

Contributions to be presented at the Statutory Meeting.

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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 cooperating organisations".
Gen:1.a		"Reports on Symposia arranged by the Council in 1982".
Gen:2		"Activities of the International Council for the Exploration of the Sea 1981/82".
Gen:3 Symp.	P M Kelly	"Recent climatic variations in the North Atlantic sector".
Gen:4 Symp.	S Aa. Malmberg and A Svansson	"Variations in the physical marine environment in relation to climate".
Gen:5 Symp.	G Radach	"Variations in the plankton in relation to climate".
Gen:6 Symp.	J G Pope and J G Shepherd	"Variations in fish stocks plus a review of hypotheses concerning their links with climate".
Gen:7 Poster Symp.	G Robinson	"Environmental control of phytoplankton in the southern North Sea, 1958-80".
Gen:8 Poster Symp.	J M Colebrook	"Plankton and climate, North Atlantic and North Sea, 1948-81".
Gen:9 Poster Symp.	P C Reid, H Hunt and T D Jonas	"An exceptional event in the plankton of the Southern Bight in early 1977".
Gen:10 Poster Symp.	A Southward	"Hypotheses concerning climatic fluctuations and changes in the plankton and fish of the Western Channel".
Gen:11 Poster Symp.	R J R Grainger	"Herring abundance west of Ireland in relation to oceanographic variation".
Gen:12 Poster Symp.	R Lasker	"Sensitivity of reproductive success of pelagic fish stocks to the dissipation of fine-scale food strata by wind mixing during early larval feeding".
Gen:13 Poster Symp.	A Bakun <u>et al.</u>	"Comparative studies: transport, turbulence, anchovies and sardines". (Coded H:28)

Gen (ctd)

Gen:14 Poster Symp.	R R Dickson	"On the possible transport of haddock larvae to the northern North Sea".
Gen:15 Poster Symp.	S Skreslet	"Climate, freshwater discharge and marine biological production".
Gen:16 Poster Symp.	D H Cushing	"Cod recruitment and <u>Galanus</u> ".
Gen:17 Poster Symp.	T Wyatt and J G Shepherd	"A long period cycle in fish populations".
Gen:18		"Advance Release of Tables 1-5 and K of Bulletin Statistique, Vol.66, 1981".
Gen:19		"Oceanographic Data Centres in the ICES Community".
Gen:20		"Election of Committee Chairmen at the 70th Statutory Meeting". (E+F)
Gen:21		"Notes to the recommendations and reports". (E+F)
Gen:22		"Rules and regulations for permission for research in Member Countries' exclusive economic zones".

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(E+F) = in English and French.

DEL - DELEGATES PAPERS

- Del:1\* "Audited accounts for 1980/81 with balance sheet as per 31/10 1981".
- Del:2\* "Preliminary report on the administration 1981/82".
- Del:3\* "Administrative reports of area- and subject Committees".
- Del:4\* "Estimated accounts for the financial year 1981/82".
- Del:5\* "Budget for the financial year 1982/83". (E+F)
- Del:6\* "Forecast budget for the financial year 1983/84". (E+F)
- Del:7\* "Amendments to the Rules of Procedure". (E+F)
- Del:8\* "Elections to be undertaken by the Council at the 70th Statutory Meeting". (E+F)
- Del:9\* "Appointment of General Secretary" (with Appendix 1).
- Del:10\* "Arrangements for requests regarding extra meetings of ACFM".
- Del:11\* "Cooperation agreement with the International Maritime Organisation (IMO)".
- Del:12\* "Request from Canada and EEC for advice on seal stocks".
- Del:13\* "Possibilities for commercial firms publishing proceedings from two Symposia".

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\* For Delegates only.

(E+F) = in English and French.

Fi - FINANCE COMMITTEE

Fi:1\* Agenda for the Finance Committee.  
Fi:2\* "Write-off of non-received payments".

ACFM - ADVISORY COMMITTEE ON FISHERY MANAGEMENT

ACFM:1\* "Draft Agenda for the consultations  
concerning ACFM matters".  
ACFM:2\* K Hoydal "Brief report on the Eighth Session  
of IBSFC, Poland, 20-27 September  
1982".

ACMP - ADVISORY COMMITTEE ON MARINE POLLUTION

ACMP:1\* Agenda for the Advisory Committee  
on Marine Pollution.  
ACMP:2\* "Results of a Norwegian study on  
the long-range dispersion of air  
pollutants from a proposed common  
incineration site (from the 6th  
meeting (1978) of the Standing  
Committee for Scientific Advice  
under the Oslo Commission, Paper  
No. SACSA VI/11/3)".  
ACMP:3\* "Amount of wastes incinerated at  
sea in 1980 in the North-East  
Atlantic".  
ACMP:4\* "Considerations relevant to  
selection and monitoring of  
dumping grounds".  
ACMP:5\* M Waldichuk "Lead in the marine environment:  
an overview".  
ACMP:6\* L Otto "Notes on the problems of atmo-  
spheric input of pollutants on the  
basis of the GESAMP report 13".

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\* For the relevant Committee only.

Pub - PUBLICATIONS COMMITTEE

Pub:1*		Agenda for the Publications Committee.
Pub:2*		"Sale of ICES publications during the last three years".
Pub:3*		"Review of the publications".
Pub:4*	G Kurc	"Enquête préliminaire sur les publications du CIEM".
Pub:5*		"Proposals for publication(s) stemming from the Symposium on Fisheries Acoustics".

A - CONSULTATIVE COMMITTEE

A:1*		Agenda for the Consultative Committee.
A:2*		"Annotated Agenda".
A:3*		"Guidelines for drafting of reports and recommendations".
A:4*	G Kurc	"Réflexions sur le Rapport Administratif".
A:5*	G Kurc	"Chronologie des réunions statutaires du CIEM".
A:6*	General Secretary	"Deadlines to be observed for delivery of reports and recommendations, 1982".

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\* For the relevant Committees only.

ASSESS - ASSESSMENT WORKING GROUPS' REPORTS

- Assess:1 "Report of the Arctic Fisheries Working Group, Copenhagen, 16-23 September 1981".
- Assess:2 "Atlanto-Scandian Herring and Capelin Working Group Report, Part II, Copenhagen, 28-30 October 1981".
- Assess:3 "Report of the North Sea Flatfish Working Group, Copenhagen, 21-26 September 1981".
- Assess:4 "Report of the Working Group on Cod Stocks off East Greenland, Copenhagen, 2-6 March 1982".
- Assess:5 "Report of the Working Group on Redfish and Greenland Halibut in Region 1, Copenhagen, 10-18 March 1982".
- Assess:6 "Working Group for Norway Pout, Sandeel and Sprat Fisheries in the North Sea and Adjacent Waters, Copenhagen, 16-22 March 1982".
- Assess:7 "Herring Assessment Working Group for the Area South of 62°N, Copenhagen, 23 March - 1 April 1982".
- Appendix/Assess:7 "Assessment of the herring stocks in the Celtic Sea and Division VIIj" by J Molloy and R Grainger.
- Assess:8 "Report of the North Sea Roundfish Working Group, Copenhagen, 23 March - 1 April 1982".
- Assess:9 "Report of the Saithe (Coalfish) Working Group, Copenhagen, 20-27 April 1982".
- Assess:10 "Working Group for the Appraisal of Sardine Stocks in Divisions VIIIc and IXa, ICES headquarters, 27 April - 1 May 1982".
- Assess:11 "Report of the Mackerel Working Group, Copenhagen, 14-21 April 1982".



Assess (ctd)

Assess:12 "Atlanto-Scandian Herring and Capelin Working Group Report, Part I. Copenhagen, 4-6 May 1982".

Assess:13 "Report of the Irish Sea and Bristol Channel Working Group, Copenhagen, 29 March - 7 April 1982".

Assess:14 "Report of the Working Group on Assessment of Hake, Copenhagen, 29 April - 6 May 1982".

Assess:15 "Report of the ad hoc Working Group on Multispecies Assessment in the Baltic, ICES headquarters, 25-28 May, 1982".

Assess:16 "Report of the Working Group on Assessment of Pelagic Stocks in the Baltic, ICES headquarters, 4-13 May 1982".

Assess:17 "Report of the Working Group on Assessment of Demersal Stocks in the Baltic, Copenhagen, 4-11 May 1982".

Assess:18 "Preliminary Report of the Working Group on Division IIIa Stocks".

Assess:19 "Report of the Meeting of the North Atlantic Salmon Working Group, Copenhagen, 13-16 April 1982".

Assess:20 "Report of the Baltic Salmon Assessment Working Group, Copenhagen, 20-26 April 1982".

Assess:21 K Hoydal "From normative to exploratory advice on fishery management and the general framework of advice".

Assess:22 D de G Griffith "Review of scientific advice on fisheries management 1982".

B - FISH CAPTURE COMMITTEE

- B:1 Administrative Report.
- B:2 O Bagge "Selection of Nephrops in 70 mm  
Ref.Shellfish Cttee Nephrops trawl".
- B:3 H Bohl "Selection of sole by beam trawls in  
and G Rauck the inshore waters of the German  
Bight in 1981 and 1982".
- B:4 E Dahm "Adaption of a modern longline  
technique to the situation in the  
German inshore fishing fleet".
- B:5 E C E Potter "The physical properties of gill nets  
Ref. Anacat Cttee in relation to mesh regulations".
- B:6 V A Sakhno and "On experimental studies of trawl  
M K Sadokhin codend selectivity".
- B:7 Withdrawn.
- B:8 Withdrawn.
- B:9 P Porché "Réalisation économique d'un dispositif  
de photographie sous-marine poly-  
valent".
- B:10 P Beillois "Une technique artisanale pour la pêche  
et F Gully de la crevette grise: les tésures en  
baie du Mt Saint Michel".
- B:11 J Massé "Réflexions préliminaires sur les  
Ref. Pelagic détectations et le comportement du  
Fish Cttee hareng observées pendant la campagne  
d'échointégration de novembre 1981  
(sud Mer du Nord et Manche orientale)".
- B:12 N Diner "Essai d'application de l'échointé-  
gration à la mesure de l'efficacité  
des chaluts".
- B:13 A Charuau, "Survie des rejets de Nephrops  
Shellfish Cttee Y Morizur et norvegicus dans le Golfe de Gascogne  
J J Rivoalen et en Mer Celtique".
- B:14 Y Morizur, "Survie des langoustines (Nephrops  
Ref.Shellfish Cttee A Charuau et norvegicus) s'échappant d'un cul de  
J J Rivoalen de chalut".

Fish Capture Cttee (ctd)

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|---------------------------------|--|--|
| B:15<br>Ref. Shellfish<br>Cttee | A Charuau,<br>Y Morizur et<br>J J Rivoalen | "Sélectivité des fonds de chalut équipés d'un sac de renforcement dans la pêche de la langoustine, <u>Nephrops norvegicus</u> ". |
| B:16                            |  | Withdrawn.   |
| B:17                            |  | Withdrawn  |
| B:18                            | R S T Ferro                                | "Discussion paper on twine diameter measurement".  |
| B:19<br>Ref.Shellfish<br>Cttee  | J P Hillis<br>and J J Early                | "Selectivity in the <u>Nephrops</u> trawl".  |
| B:20                            |  | Withdrawn.   |
| B:21                            | R D Galbraith                              | "Performance trials on chalut 36/47 GOV constructed in both nylon and polyethylene twine".                                       |
| B:22                            | R S T Ferro and<br>P A M Stewart           | "The drag of cod-ends".  |
| B:23                            |  | Withdrawn.   |
| B:24                            | R S T Ferro                                | "Report by the Study Group on twine thickness measurement techniques".   |
| B:25                            | E S Strange                                | "Nylon fishing yarns shrinkage and elongation tests".  |
| B:26                            | J J Foster<br><u>et al.</u>                | "A new technique for line fishing based on multiple baiting - preliminary results and discussion".                               |
| B:27<br>Ref.Shellfish<br>Cttee  | P Fontaine<br><u>et al.</u>                | "Echantillonneur vertical à crevettes - construction et essais".   |
| B:28<br>Ref.Shellfish<br>Cttee  | M Monette                                  | "Essais de casiers à homards munis d'évents d'échappement".  |
| B:29                            | Y Boudreault                               | "Données préliminaires sur la consommation de carburant par les pêcheurs québécois".   |
| B:30                            | A J Kemmerer<br><u>et al.</u>              | "Fuel relationships in southeastern United States shrimp fisheries".   |

Fish Capture Cttee (ctd)

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|------------------------------------|---------------------------------------|--|
| B:31<br>Ref.Demersal<br>Fish Cttee | G Junge,<br>G Strebelow<br>and J Voss | "Selection experiments with codends of different mesh sizes in fisheries on grenadier ( <u>Macrurus rupestris</u> ) and Greenland halibut ( <u>Rheinhardtius hippoglossoides</u> )". |
| B:32                               | B Rothe                               | "Measuring the net twine diameter".  |
| B:33<br>Ref.Pelagic<br>Fish Cttee  | O Hagström<br>and I Røttingen         | "Measurements of the density coefficient and average target strength of herring using purse seine".  |
| B:34<br>Ref.Demersal<br>Fish Cttee | F Cardador<br>and M F Borges          | "Mesh selection of hake ( <u>Merluccius merluccius</u> ) and horse mackerel ( <u>Trachurus trachurus</u> ) on the Portuguese coast".   |
| B:35                               |                                       | "Report of the Working Group on Research on Engineering Aspects of Fishing Gear, Vessels and Equipment, Aberdeen, 10-11 May 1982".   |
| B:36                               | W Dickson and<br>J W Valdemarsen      | "Demersal pair trawling and its operational parameters".   |
| B:37                               | A Beltestad                           | "New gear handling systems for coastal purse seining".   |
| B:38<br>Ref.Pelagic<br>Fish Cttee  | K G Foote                             | "On multiple scattering in fisheries acoustics".   |
| B:39<br>Ref.Demersal<br>Fish Cttee | F A van Beek                          | "On the effects of mesh enlargement in the North Sea sole fishery".  |
| B:40                               |                                       | "Report of the Working Group on Reactions of Fish to Fishing Operations, Aberdeen, 10-14 May 1982".  |
| B:41                               | C S Wardle                            | "Energy considerations in fish locomotion during the fish capture process".  |

C - HYDROGRAPHY COMMITTEE

- C:1  
Ref. MBQC "Fourth Report of the Marine Chemistry Working Group, Copenhagen, 2-5 February 1982".
- C:2 R R Dickson "Properties of nepheloid layers on the  
and I N McCave upper slope west of Porcupine Bank".
- C:3 "Report of the Working Group on Oceanic Hydrography, Bergen, 4-5 February 1982".
- C:4 "Report on the ad hoc meeting on the Future Role of the Council's Service Hydrographique (The Council's Headquarters, 26-27 March 1982)".
- C:5 E Buch "Hydrographic conditions off West Greenland in 1980 and 1981".
- C:6 M Stein "Hydrographic conditions off East Greenland in autumn 1981 and in spring 1982".
- C:7 V V Rossov "On optimal conditions of internal waves indication from space".
- C:8 A G Alexeeva and "Hydrochemical conditions in waters of  
N G Sapronetskaya the Faroe-Hatton area in winter 1979/80".
- C:9 M Bock, "First results from the 'Meteor' deep  
G A Becker and water cruise in May-July 1982".  
K P Koltermann
- C:10 Chairman of the "Note on new terms of reference for the  
Hydrography Cttee Aerospace Remote Sensing Working Group".
- C:11 J Meincke "The North Atlantic current in the Mid-Atlantic Ridge region".
- C:12 J Munday "Atlantic coastal water mass detection by satellite and implications for fisheries".
- C:13 W Brechner Owens "Lagrangian observations using SOFAR floats of the vertical and horizontal structure of the Gulf Stream and its recirculation".
- C:14 S E McDowell "Mesoscale eddies: a mechanism for dispersal of North Atlantic intermediate waters".
- C:15 W Lenz "On the hydrography of the Fladen  
Ref. Biol. Ground area (North Sea) in spring".  
Oceanography  
Cttee

Hydrography Cttee (ctd)

- |   |                      |  |
|---|----------------------|--|
| C:16  | J Smed               | "Introduction to the hydrography section of Annales Biologiques, Vol.38 (for 1981)".   |
| C:17  | ICES<br>Hydrographer | "Activities of the ICES Service Hydrographique during 1981/82".  |
| C:18  | ICES<br>Hydrographer | "Provisional programme of work for ICES Service Hydrographique 1982/83".   |
| C:19<br>Ref. Biol.<br>Oceanography<br>Cttee | J Smed               | "Report on the Third Session of the SCOR/IOC Committee on Climatic Changes and the Ocean (Split, Yugoslavia, 1-5 March 1982)". |
| C:20  | P C Smith            | "Anatomy of a warm-core ring interaction with the continental margin".   |
| C:21  | P L Richardson       | "Western North Atlantic: a vertical section of eddy kinetic energy along 55°W".  |
| C:22  | W Matthäus           | "Vertical mixing across the open Baltic halocline".  |
| C:23<br>Ref. MEQC                           |                      | "Report of the Working Group on Marine Data Management, Copenhagen, 11-14 May 1982".   |
| C:24  | H W Riepma           | "Currentmeter records and the problem of dispersion in the sea".   |
| C:25  |                      | "Report of the ICES/SCOR Working Group on North Atlantic Circulation".   |

Reference Papers to the Hydrography Committee

- |              |                             |   |
|--------------|-----------------------------|---|
| E:6<br>MEQC  |                             | "Report on the Second Meeting of the Working Group on Marine Sediments in relation to Pollution, Lowestoft, 16-18 February 1982". |
| E:22<br>MEQC | J M Bewers<br><u>et al.</u> | "Guidelines for the preparation of regional environmental assessments".   |
| E:45<br>MEQC | G Topping                   | "ICES Quality Assurance Programme: proposals for a further ICES trace metal intercomparison exercise for biological tissue".      |

Hydrography Cttee (ctd)

Reference papers

- |   |  |  |
|---|--|--|
| E:53<br>MEQC                              | J M Cabanas<br><u>et al.</u>                 | "Physical-chemical conditions in winter in the Ria of Pontevedra (NW of Spain) and their influences on contamination".                       |
| H:52<br>Pelagic Fish<br>Cttee             | J Smed                                       | "Bottom temperature and salinity of the North Sea during the International Young Fish Survey 1982".  |
| H:61<br>Pelagic Fish<br>Cttee             |  | "Report on joint Soviet-Icelandic investigations on hydro-biological conditions in the Norwegian Sea and Icelandic waters in May-June 1982". |
| L:5<br>Poster<br>Biol.Oceanogr.<br>Cttee  | F Nast,<br>T Pommeranz<br>and M Stein        | "A comparison of krill abundance between the 1975/76 and 1980/81 seasons around the Weddell-Scotia-confluence".                              |
| L:14<br>Poster<br>Biol.Oceanogr.<br>Cttee | J P Thomas<br><u>et al.</u>                  | "Seasonal patterns of surface temperature and phytoplankton pigments in the Georges Bank region".  |
| L:18<br>Biol.Oceanogr.<br>Cttee           | G Kullenberg<br><u>et al.</u>                | "Tracing internal layers of plankton".   |
| L:50<br>Biol.Oceanogr.<br>Cttee           | A F J Draxler,<br>A Matte and<br>R Waldhauer | "An examination of inorganic nitrogen data on and off of Georges Bank in 1979".  |

D - STATISTICS COMMITTEE

D:1		Administrative Report.
D:2		"Report of the <u>ad hoc</u> Working Group on Fishing Area Boundaries, Copenhagen, 8-9 June 1982".
D:3		"Report of the Statistics Committee Liaison Working Group, Copenhagen, 10-11 June 1982".
D:4	ICES Statistician	"Progress Report 1981/82".
D:5	J M Hoenig	"Estimating mortality from the maximum observed age".
D:6		Withdrawn.
D:7	J M Hoenig and W D Lawing	"Estimating the total mortality rate using the maximum order statistic for age".
D:8	P Lewy	"SOP - A measure of the goodness of the sampling programme".
D:9	J A Pope and A M Shanks	"Fitting relationships in fishery research".
D:10	P F Lett and W Wayne Barchard	"A bio-mathematical study of the relationship between natural mortality and the growth of fish".
D:11*	FAO/CWP Secretary	"Report of the Eleventh Session of the Coordinating Working Party on Atlantic Fishery Statistics, Luxembourg (Grand Duchy), 21-28 July 1982".

Reference Papers to the Statistics Committee

H:15 Pelagic Fish Cttee		"Report of the Study Group on Computerization of International Young Fish Survey Data, IJmuiden, 1-4 June 1982".
H:21 Pelagic Fish Cttee	T Westgård	"Programs for handling and analysis of stomach contents data".

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\* For members of the Committee only.



E - MARINE ENVIRONMENTAL QUALITY COMMITTEE

- E:1 Administrative Report.
- E:2 "Report on the 4th Meeting of the Working Committee for GIPME, 6-12 January 1982".
- E:3 "Report of the Eighth Meeting of the Working Group on Marine Pollution Baseline and Monitoring Studies in the North Atlantic, Gothenburg, 26-29 February 1982".
- E:4 "Report on the Second Joint Session of the Working Group on Marine Pollution Baseline and Monitoring Studies in the North Atlantic and the ICES/SCOR Working Group on the Study of the Baltic, Gothenburg, 27 January 1982".
- E:5 "Report of the ICES/SCOR Working Group on the Study of the Pollution of the Baltic. Gothenburg, 25-27 January 1982".
- E:6  
Ref. Hydrography  
& Biological  
Oceanography  
Cttees  
"Report on the Second Meeting of the Working Group on Marine Sediments in relation to Pollution, Lowestoft, 16-18 February 1982".
- E:7 J M Bewers  
"Report to ICES of the Fourth Session of the IOC Group on Methods, Standards and Intercalibration (GEMSI) held in Curaçao, Netherlands Antilles, 25-31 March 1982".
- E:8 U Harms  
et al.  
"Identification of problems in the determination of lead in biological material".
- E:9 P Zubkoff  
Ref. Biol.  
Oceanogr.  
Cttee  
"Red waters of the Chesapeake Bay, 1979-81".
- E:10 G Cabeçadas  
et al.  
Ref. Biol.  
Oceanogr.  
Cttee  
"A bloom of Mesodinium rubrum in the outer Tejo estuary".
- E:11 H Koops  
et al.  
Ref. Mariculture  
& Anacat Cttees  
"On the reduction of the mercury content in wild eels from the river Elbe by pond feeding".

MEQC (ctd)

- |   |   |  |
|---|---|--|
| E:12  | J G Pope and<br>J E Portmann                  | "Unusually low fish catches west<br>of Jutland - September 1981".  |
| E:13  | R A A Blackman,<br>T W Fileman<br>and R J Law | "Oil-based drill-muds in the North<br>Sea - the use of alternative<br>base-oils".  |
| E:14  | R J Law,<br>R A A Blackman<br>and T W Fileman | "Surveys of hydrocarbon levels<br>around five North Sea oil<br>production platforms in 1981".  |
| E:15  |   | "Information on sand and gravel<br>extraction, 1981, with supplemen-<br>tary information for 1980".  |
| E:16<br>Ref.Pelagic<br>Fish Cttee                       | E Egidius<br>and T Monstad                    | "Pseudobranchial tumours in blue<br>whiting from Norwegian waters".  |
| E:17  | H MSller                                      | "Some general considerations on<br>fish disease surveys".  |
| E:18  |   | Withdrawn.   |
| E:19  | V Dethlefsen<br>and B Watermann               | "Diseases of major fish species<br>in the western Baltic Sea".   |
| E:20  | D H Loring                                    | "Overview of trace metal levels<br>in eastern Canadian coastal<br>and estuarine sediments".  |
| E:21  | N P Morozov                                   | "Biogeochemical approach to the<br>study of the World Ocean pollution".  |
| E:22<br>Ref.Hydrography<br>and Biol.Oceanogr.<br>Cttees | J M Bewers<br><u>et al.</u>                   | "Guidelines for the preparation of<br>regional environmental assessments".   |
| E:23<br>Ref.Biol.<br>Oceanogr.Cttee                     | W C Phoel                                     | "A comparison of the seabed oxygen<br>consumption rates of different<br>benthic environments along the<br>northeast United States continen-<br>tal shelf". |
| E:24  | M Kat,<br>J Speur and<br>P F Otte             | "Diarrhetic mussel poisoning in<br>the Netherlands related to the<br>occurrence of <u>Dinophysis</u><br><u>acuminata</u> , September-October 1981".        |
| E:25  | M Munk Hansen,<br>A Jensen and<br>H Lassen    | "Trend monitoring. I. Problems in<br>the interpretation of contaminant<br>concentrations using fish as<br>indicator organisms".                            |
| E:26  | H Lassen                                      | "Trend monitoring. II. Statistical<br>theory".   |

MEQC (ctd)

- E:27 M Munk Hansen "Trend monitoring. III. Statistical analysis of factors affecting the concentrations of cadmium, copper and zinc in three species of fish".
- E:28 A Jensen "Trend monitoring. IV. Statistical analysis of factors affecting the concentrations of mercury in flounder".
- E:29 S Berman  
et al. "Preparation of the sea water reference material for trace metals, NASS-1".
- E:30 L Despres-Patanjo,  
J Ziskowski and  
R A Murchelano "Distribution of fish diseases monitored on stock assessment cruises in the western North Atlantic".
- E:31 P-D Hansen,  
H Rosenthal and  
H von Westernhagen "Chlorinated hydrocarbons and hatching success in spring spawners of Baltic herring".
- E:32 R L Swanson  
and M Devine "Ocean dumping policy - a coming reversal?".
- E:33 F Dehairs  
et al. "Boundary conditions for heavy metals at the air-sea interface".
- Note: E:34-E:39  
is one document  
as follows:  
=====
- E:34 G Gillain  
et al. "Part 1: Sampling techniques and analytical methods".
- E:35 G Decadt  
et al. "Part 2: Spatial, temporal and compartmental distribution in the water column".
- E:36 F Dehairs  
et al. "Part 3: The atmosphere as a transport route of heavy metals to the sea".
- E:37 W Baeyens  
et al. "Part 4: The River Scheldt as a transport route for heavy metals to the sea".
- E:38 W Baeyens  
et al. "Part 5: Interaction kinetics between dissolved inorganic mercury and estuarine suspended matter".
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- E:40 M Somville "Mathematical modelling for evaluating water quality of aquatic environments".
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- E:42 A D McIntosh and A P Ward "The levels of hydrocarbons in the water and sediments in areas around Sullom Voe and the Beatrice oil field".
- E:43 I M Davies "Measurements of metals in sediments from the Firth of Forth".
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E:54	J Fumega, J M Masso and J J Gonzalez	"Previous data of DDTs, PCBs and lipids in the Ria of Pontevedra (NW of Spain)".
E:55	N Gonzalez, M T Nunes and J J Gonzalez	"Preliminary data of heavy metals in the Ria of Pontevedra (NW of Spain)".
E:56	B Böhle	"Avoidance from petroleum hydrocarbons by the cod ( <u>Gadus morhua</u> )".
E:57	M Kerkhoff, P Otte and J de Boer	"Chlordane components in the North Sea, their origin and pathway".
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E:61	C Lima	"Heavy metals in hake ( <u>Merluccius merluccius</u> L.) from the Portuguese coast (ICES Division IXa)".
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- K:11  
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- F:1 Administrative Report.
- F:2 "Report of the Working Group on  
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- F:3 J Gropp,  
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- F:8 V Hilge "Experimental pH-stabilization of  
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- F:9 M Cadena Roa  
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- F:13 J H Robin "Comparaison de deux méthodes d'amélioration de la valeur alimentaire d'Artemia salina pour nourrir des larves de bar (Dicentrarchus labrax)".
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- F:32 H E Booke "New approaches to fish stock  
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- F:34 J A Mork,  
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- G:1 Administrative Report.
- G:2 B W Jones "A stock assessment on haddock at Rockall Bank".
- G:3 C T Macer "Mesh size and yield in the North Sea fisheries for cod, haddock and whiting".
- G:4 J J Zijlstra and J Y Witte "On the relation between length and abundance in 0-group plaice of the North Sea".
- G:5 K Brander and R G Houghton "Predicting the recruitment of North Sea plaice from egg surveys".
- G:6 A C Burd "English catch per unit effort data in the North-East Arctic cod fishery".
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- Ref. Pelagic Fish Cttee
- G:8 A Laurec and J G Shepherd "On the analysis of catch and effort data".(E+F)
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- G:11 A C Burd and W G Parnell "Further studies on North Sea cod recruitment".
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|                              | G:22           | Jutta Magnússon                                   | "Age, growth and weight of blue<br>ling ( <u>Molva dypterygia</u> ) in<br>Icelandic waters".  |
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|                              | G:24           | B Fontaine et<br>F Theret                         | "Données sur la biologie des<br>grondins de la Manche orientale".   |
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|                              | G:26           | A Souplet   | "La pêche du merlan par les<br>navires français de 1976 à 1980<br>(Analyse statistique de la pro-<br>duction par secteur de pêche)".      |
|                              | G:27           | J B Pérodou<br>et D Nédélec                       | "Croissance des dorades grises".  |
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- G:31 A D Rijnsdorp and M van Stralen "Selective tidal migration of plaice larvae (*Pleuronectes platessa* L.) in the eastern Scheldt and the western Waddensea".
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- G:35 S A Murawski "Deterministic yield per recruit simulations of mixed-species fisheries".
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- G:37 K L Foster "An application of a multispecies cohort analysis to six fish stocks located on Georges Bank".
- G:38 I Olaso, P Peredo and R González "The feeding of young angler fishes (*Lophius budegassa* Spinola and *L. piscatorius* L.) in Division VIIIc and IXa of ICES".
- G:39 F Sánchez "Preliminary fishing and biological data about red sea bream (*Pagellus bogaraveo* B.) in the Cantabrian Sea (N. Spain)".
- G:40 K Brander "Assessment of stocks in ICES Sub-area VII".
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| G:46<br>Ref. Baltic Fish Cttee  | T Moth-Poulsen                | "Genetic variation of cod from the Danish Sound. Inter-relations of stocks from adjacent waters".                                     |
| G:47                            | E Ursin                       | "On the growth parameters of Atlantic cod as a function of body size".  |
| G:48                            | P Sparre                      | "A comment to the 1982 North Sea Roundfish Working Group report".   |
| G:49                            | N A Nielsen                   | "Estimation of the relation between nominal effort and fishing mortality in the fishery for sand-eels".                               |
| G:50<br>Ref. Pelagic Fish Cttee | N A Nielsen                   | "Estimation of VPA parameters in a model of restricted fishing mortalities".  |
| G:51<br>Ref. Shellfish Cttee    | E Fannon and<br>J P Hillis    | "Studies on cod prey with special attention to <u>Nephrops norvegicus</u> ".  |
| G:52                            | H Heessen<br><u>et al.</u>    | "The results of the international 0-group gadoid survey in the North Sea in 1982".  |
| G:53<br>Ref. Pelagic Fish Cttee | D W Armstrong<br>and R M Cook | "A proposal for the use of catch per unit effort data for the assessment of terminal F in VPA".                                       |
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| G:56                            | B B Rae and<br>R G J Shelton  | "Notes on the food of two species of Elasmobranch (Part I) and nine species of demersal teleost (Part II) fish from Scottish waters". |

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| G:58<br>Ref. Biol.Oceanogr.<br>Cttee                      | M J Silverman<br>and J Myron          | "The distribution and abundance of silver hake ( <u>Merluccius bilinearis</u> ) larvae off northeastern United States, 1977-80".                          |
| G:59  | W Morse                               | "Spawning stock biomass estimates of sand lance, <u>Ammodytes</u> sp., off northeastern United States, determined from MARMAP plankton surveys, 1974-80". |
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| G:63  |                                       | Withdrawn.  |
| G:64  | U Labarta<br>and J Ferreiro           | "Spawning season and first maturity size and age of the Galician coast pouting ( <u>Trisopterus luscus</u> L.)".  |
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| G:66  | H Heessen                             | "Report on the catches of cod, haddock, whiting and Norway pout during the ICES young fish survey 1982".  |
| G:67  |                                       | Withdrawn.  |
| G:68  | K Hoydal                              | "Cod stocks in 1981 - Introduction to Annales Biologiques, Vol.38 (for 1981)".  |
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B:34 Fish Capture Cttee	F Cardador and M F Borges	"Mesh selection of hake ( <u>Merluccius merluccius</u> ) and horse mackerel ( <u>Trachurus trachurus</u> ) on the Portuguese coast".
B:39	F A van Beek	"On the effects of mesh enlargement in the North Sea sole fishery".
H:15 Pelagic Fish Cttee		"Report of the Study Group on Computerization of International Young Fish Survey Data, IJmuiden, 1-4 June 1982".
H:18 Pelagic Fish Cttee	M E Vasconcelos	"Some biological data on the blue whiting from ICES Division IXa in 1981".
H:21 Pelagic Fish Cttee	T Westgård	"Programs for handling and analysis of stomach contents data".
H:22 Pelagic Fish Cttee	R C Hennemuth and S M Avtges	"Effects of variability of recruitment on management advice".
H:51 Pelagic Fish Cttee	J A Gould and W S MacDonald	"The results of tagging experiments on spurdogs, <u>Squalus acanthias</u> L., around Scotland".
J:16 Baltic Fish Cttee	N Brielmann and R Oeberst	"Collective samples - A possibility to reduce laboratory work in larval surveys".
K:8 Shellfish Cttee	A Charuau, Y Morizur et J J Rivoalen	"Evolution de l'activité des flotilles françaises en Mer d'Irlande et en Mer Celtique"
K:25 Shellfish Cttee	F Redant	"Caridean shrimps in the food of demersal fish off the Belgian coast. I. Gadiformes".
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See also: Assess: 1, 3, 4, 5, 6, 8, 9, 13, 14, 18 and 21.

H - PELAGIC FISH COMMITTEE

- H:1 Administrative Report.
- H:2 R J Wood "Report on the international surveys of herring larvae in the North Sea and adjacent waters in 1981/82".
- H:3 "Report of the ICES Planning Group on a Herring Tagging Experiment".
- H:4 "Report of the 1982 Planning Group on ICES-coordinated Herring and Sprat Acoustic Surveys".
- H:5 "Report of the International Acoustic Survey on Blue Whiting in the Norwegian Sea, July/August 1982".
- H:6 "Report of the Blue Whiting Planning Group for the Coordinated Acoustic Survey 1982 - Copenhagen, 3-5 May 1982".
- H:7 S A Iversen "Spawning and stock size of North Sea mackerel in 1981".
- H:8 "Bibliography of papers published by members of the Pelagic Fish Committee in 1981 relevant to the interests of that Committee".
- H:9 J Gjøsater  
and T Monstad "Primary growth rings in otoliths of the Barents Sea capelin".
- H:10 R J Wood "On variability in catches of  
Ref.Biol. herring larvae by different survey  
Oceanogr.Cttee vessels".
- H:11 A C Burd "Monitoring the North Sea herring stock recovery".
- H:12 J M Last "The food of juvenile sprat (Sprattus sprattus L.) and herring (Clupea harengus L.) in inshore waters of the southern North Sea".
- H:13 P O Johnson  
et al. "Report on echo-integrator surveys for sprat undertaken in the North Sea during the 1981-82 winter season".
- H:14 J W Horwood  
and J K Hunton "Stochastic projections of the southwestern stock of mackerel".

Pelagic Fish Cttee (ctd)

H:15 Ref. Statistics and Demersal Fish Cttees		"Report of the Study Group on Computerization of International Young Fish Survey Data, IJmuiden, 1-4 June 1982".
H:16	L S Gordo, M M B Martins and I M Jorge	"Preliminary study on the age and growth of mackerel ( <u>Scomber scombrus</u> L.) in the ICES Sub-area IX".
H:17	M M B Martins, I M Jorge and L S Gordo	"Preliminary analysis on some biometrical data of <u>Scomber scombrus</u> L. from the occidental coast of Portugal during 1981".
H:18 Ref. Demersal Fish Cttee	M E Vasconcelos	"Some biological data on the blue whiting from ICES Division IXa in 1981".
H:19	C C Monteiro and I M Jorge	"Age and growth of <u>Sardina pilchardus</u> (Walb.) from the Portuguese coast (ICES Division IXa)".
H:20		"Report on the Acoustic Survey in ICES Division IIIa, August/September 1981".
H:21 Ref. Statistics and Demersal Fish Cttees	T Westgård	"Programs for handling and analysis of stomach contents data".
H:22 Ref. Demersal Fish Cttee	R C Hennemuth and S M Avtges	"Effects of variability of recruitment on management advice".
H:23	N V Plekhanova and M S Soboleva	"Peculiarities of blue whiting feeding on copepods and plankton development in open areas of the Norwegian Sea in 1979-1981".
H:24	V S Bakanev <u>et al.</u>	"The results of Soviet investigations of blue whiting in April-May 1981".
H:25	N M Timoshenko	"Preliminary results of studies on blue whiting from the areas south of Ireland".
H:26	V K Zilanov	"Data on feeding and fatness of blue whiting".
H:27	P O Johnson	"An evaluation of recent changes in the North Sea sprat fishery in relation to indices of abundance and distribution derived from international young fish surveys".

Pelagic Fish Cttee (ctd)

- H:28  
Poster
- H:29           A Corten                            See Gen:13  
To be presented at the Symposium.
- H:29           A Corten                            "Report on the International  
Young Fish Survey in the North  
Sea, Skagerrak and Kattegat in  
1982: Herring".
- H:30           G v.d. Kamp  
and A Corten                        "A hypothesis for the decline of  
the Dogger Bank herring stock".
- H:31           A Eltink  
and J Gerritsen                     "Growth, spawning and migration  
of western mackerel".
- H:32           H B Becker                          "Comparison of some robust  
estimators of IYFS abundance  
indices for herring based on  
regression with VPA estimates".
- H:33           R Schöne                            "Investigations on blue whiting  
west of the British Isles, off  
Faroe Islands and in the Iceland/  
East Greenland area in spring  
1982".
- H:34           E D Anderson                        "The use of commercial cpue data  
in assessing the Northwest  
Atlantic mackerel stock".
- H:35           J L Cort                            "Bioloogy and fishing of the  
mackerel, Scomber scombrus L.,  
in the Cantabrian Sea (N.Spain)".
- H:36           V N Feldman                         "On the effect of age and seasonal  
variations of natural mortality  
on the North Sea sprat stock size  
and sustainable yield estimates".
- H:37    Withdrawn.
- H:38           R Grainger  
et al.                              "Herring larval surveys in the  
Celtic Sea in 1981/82".
- H:39           E McArdle                          "Fecundity studies on herring  
from the northwest of Ireland".
- H:40           B A Block  
and F G Carey                        "Warm brains in lamnid sharks".
- H:41           F G Carey and  
E Don Stevens                        "Visceral warming during  
digestion in bluefin tuna,  
Thunnus thynnus".

Pelagic Fish Cttee (ctd)

- H:42 S Sveinbjörnsson "Investigations on spawning of blue whiting at Iceland in April 1982".
- H:43 Withdrawn.
- H:44 S Ehrich and R Robles "Investigations on maturity of blue whiting populations between 42°N (Vigo/Spain) and 61°N during February and March 1982".
- H:45 J Hamre and S Tjelmeland "Sustainable yield estimates of the Barents Sea capelin stock".
- H:46 K MacKenzie and S Mehl "Estimates of mackerel stock composition in different areas and seasons as indicated by a cestoda parasite".
- H:47 R S Bailey et al. "Report on the 1982 herring acoustic survey in the northwestern North Sea".
- H:48 J A Morrison "A preliminary evaluation of tagging and detection methods of coded microwire tags in herring tagging experiments".
- H:49 M Walsh, D N MacLennan and J I Edwards "Results of acoustic surveys for mackerel to the north and west of Scotland in 1980 and 1981".
- H:50 S T Forbes, J R Hutcheon and D N MacLennan "Report of the 1982 survey of blue whiting stock west of the British Isles".
- H:51 J A Gould and W S MacDonald "The results of tagging experiments on spurdogs, Squalus acanthias L., around Scotland".
- Ref. Demersal Fish Cttee
- H:52 J Smed "Bottom temperature and salinity of the North Sea during the International Young Fish Survey 1982".
- H:53 S A Berkeley and E W Irby, Jr. "Analysis of catch, effort and landing data in the swordfish long-line fishery of the Florida Strait".
- H:54 N Schultz and N Verch "Results of the blue whiting survey in the Norwegian Sea in summer 1981".
- H:55 S Holzlöhner and G Kloxin "On the species composition and length/age structure of the important pelagic fish species off northwest Africa 1981".

Pelagic Fish Cttee (ctd)

H:56		Withdrawn.
H:57	J Ferreiro and U Labarta	"Distribution and abundance of sardine eggs and larvae ( <u>Sardina pilchardus</u> ) from the Ria de Vigo (Galician coast, NW Spain), 1979-80".
H:58	I M Jorge, L S Gordo and M M B Martins	"On the sexual maturation and the condition factor of <u>Scomber scombrus</u> L. from the occidental coast of Portugal during 1981".
H:59	M Giedz	"Polish exploratory fishing and biological investigations on blue whiting in the North-East Atlantic in 1981".
H:60	M Giedz	"Comparison of otolith width distribution of blue whiting taken in different parts of the North-East Atlantic".
H:61	Ref. Hydrogr. and Biol. Oceanogr. Cttees	"Report on joint Soviet-Icelandic investigations on hydro-biological conditions in the Norwegian Sea and Icelandic waters in May-June 1982".
H:62	K Hoydal	"Herring stocks in 1981 - Introduction to Annales Biologiques, Vol. 38 (for 1981)".
H:63	H Vilhjálmsson and J V Magnússon	"Report on the 0-group fish survey in Icelandic and East Greenland waters, August 1982".

Reference Papers to the Pelagic Fish Committee

B:11	J Massé	"Réflexions préliminaires sur les détections et le comportement du hareng observées pendant la campagne d'échointégration de novembre 1981 (sud Mer du Nord et Manche orientale)".
B:33	O Hagström and I Røttingen	"Measurements of the density coefficient and average target strength of herring using purse seine".

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Reference papers (ctd)

B:38 Fish Capture Cttee	K G Foote	"On multiple scattering in fisheries acoustics".
E:16 MEQC	E Egidius and T Monstad	"Pseudobranchial tumours in blue whiting from Norwegian waters".
F:2 Mariculture Cttee		"Report of the Working Group on Genetics, 30 March - 3 April 1982".
G:7 Demersal Fish Cttee	T Westgård	"A program for estimation of number and survival of a population, given a series of tag release/recapture data".
G:8 Demersal Fish Cttee	A Laurec and J G Shepherd	"On the analysis of catch and effort data". (E+F)
G:12 Demersal Fish Cttee	J G Pope	"Shortcut formulae for the estimation of coefficients of variation of <u>status quo</u> TACs".
G:20 Demersal Fish Cttee	V K Aldonov and V P Serebryakov	"Changes in species diversity of ichthyoplankton from the Barents Sea and Norwegian Sea during the period from 1959 to 1980".
G:28 Demersal Fish Cttee	J G Shepherd	"Two measures of overall fishing mortality".
G:32 Demersal Fish Cttee	W Dekker	"Theoretical aspects of the multi-species virtual population analysis".
G:33 Demersal Fish Cttee	N Daan	"Report of the meeting of the Coordinators of the North Sea Stomach Sampling Project 1981".
G:44 Demersal Fish Cttee		"Preliminary report of the International O-Group Fish Survey in the Barents Sea and Adjacent Waters in August-September 1982".
G:45 Demersal Fish Cttee	J S Beckett	"A simple barge to hold live fish".
G:50 Demersal Fish Cttee	N A Nielsen	"Estimation of VPA parameters in a model of restricted fishing mortalities".

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Reference papers (ctd)

G:53 Demersal Fish Cttee	D W Armstrong and R M Cook	"A proposal for the use of catch per unit effort data for the assessment of terminal F in VPA".
G:55 Demersal Fish Cttee	D W Armstrong	"Development of a semi-automatic fish measuring board III".
G:60 Demersal Fish Cttee	R L Edwards and S Avtges	"New techniques for describing growth".
J:16 Baltic Fish Cttee	N Brielmann and R Oeberst	"Collective samples - a possibility to reduce the laboratory work in larval surveys".
M:17 Anacat Cttee	D G Reddin and J E Carscadden	"Salmon-capelin interactions".

See also: Assess:2, 6, 7 (with Appendix), 10, 11, 12, 18 and 21



J - BALTIC FISH COMMITTEE

J:1		Administrative Report.
J:2		"Publications of interest to the Baltic Fish Committee, 1981".
J:3	O Bagge	"Sampling of cod stomachs in the Baltic for multispecies assessments".
J:4	O Bagge	"Danish discards in the Baltic".
J:5	F Thurow	"Growth production of the Baltic fish community".
J:6	O Hagström <u>et al.</u>	"Acoustic estimates of the herring and the sprat stocks in the Baltic proper and the Bothnian Sea 1981. Preliminary results".
J:7	G Grauman and L Sukhorukova	"On the emergence of sprat and cod abnormal embryos in the open Baltic".
Ref. MEQC		
J:8	M Vitinsh	"Stock and exploitation pattern of the flounder in the Eastern Baltic (Sub-division 28) in 1970-81".
J:9	F G Shvevtsov	"The use of trawling surveys for the determination of Baltic sprat stock, natural and fishing mortality".
J:10	I Lablaika and D Uzars	"Young cod abundance survey in the eastern Baltic".
J:11	H Möller	"Effect of jellyfish predation on larval herring in Kiel Bight".
Ref. Biol. Oceanogr. Cttee		
J:12	M Berner	"Relations between the total length $L_T$ and the length from the beginning of the 1st dorsal fin to the end of the caudal fin $L_{P1}$ in cod stocks of the western Baltic".
J:13	D Kästner and K Hamann	"On the recruitment of the Baltic spring-spawning herring of Rügen Island according to a hydroacoustic survey".
J:14	N Schultz and B Vaske	"Further results of bottom trawl surveys in the Mecklenburg Bay and in the Arkona Basin".
J:15	C C Friess and H Borrman	"Stock assessment for flounder in the Arkona Basin for the years 1970-81".

Baltic Fish Cttee (ctd)

J:16 Ref. Demersal and Pelagic Fish Cttees	N Brielmann and R Oeberst	"Collective samples - a possibility to reduce the laboratory work in larval surveys".
J:17	R Parmanne and V Sjöblom	"The abundance of spring spawning Baltic herring larvae in the seas around Finland in 1981 and the effect of zooplankton abundance on the herring year class strength".
J:18	E Aro, V Sjöblom and R Hudd	"The abundance of 0-group Baltic herring off the coast of Finland in 1979-81 according to exploratory fishing with Isaacs-Kidd mid-water trawl".
J:19	R Parmanne and V Sjöblom	"Recaptures of Baltic herring tagged off the coast of Finland in 1975-81".
J:20	E Aro and V Sjöblom	"The abundance of Baltic herring and sprat according to echo counting in the seas around Finland in 1981".
J:21	R Parmanne and V Sjöblom	"Fishing effort and catch per unit of effort of Baltic herring and sprat in Finnish fisheries in 1976-80".
J:22	R Parmanne and V Sjöblom	"Abundance of sprat eggs and larvae in the northern Baltic in 1981".
J:23	E Aro and V Sjöblom	"The abundance of cod in the seas around Finland in 1974-81".
J:24	E Aro and V Sjöblom	"Fishing effort and catch per unit effort of cod in Finnish fisheries in 1976-80".
J:25	E Aro and V Sjöblom	"Stock assessment of flounder off the coast of Finland in 1975-81".
J:26	E Aro and V Sjöblom	"The abundance of 0-group and 1 year old flounder off the coast of Finland in 1978-81 according to exploratory fishing with a beach seine".
J:27	J Elwertowski and W Grygiel	"The young herring by-catch in the Polish sprat fishery in the southern Baltic".
J:28	J Horbowy	"The estimation of parameters of predator-prey preference function for Baltic cod".

Baltic Fish Cttee (ctd)

Reference Papers to the Baltic Fish Committee

E:31 MEQC	P-D Hansen, H Rosenthal and H von Westernhagen	"Chlorinated hydrocarbons and hatching success in spring spawners of Baltic herring".
G:46 Demersal Fish Cttee	T Moth-Poulsen	"Genetic variation of cod from the Danish Sound. Interrelations of stocks from adjacent waters".

See also: Assess:15, 16 and 17.

K - SHELLFISH COMMITTEE

- K:1 Administrative Report (with a Corrigendum).
- K:2 "Publications of interest to the members of the Shellfish Committee".
- K:3 "Report of the Nephrops Working Group, Brest, 24-27 May 1982".
- K:4 Withdrawn.
- K:5 I Arrobas and A Ribeiro Cascalho "Some aspects of the fishery and biology of Parapanaeus longirostris (Lucas, 1846) off south Portuguese coast".
- K:6 A Ribeiro Cascalho and I Arrobas "Aristeus antennatus (Risso, 1816): some considerations about its biology and fishery in Portuguese waters".
- K:7 S Tveite and C J Rørvik "A stock assessment of lobster (Homarus gammarus) on the Norwegian Skagerrak coast".
- K:8 A Charuau, Y Morizur et J J Rivoalen "Evolution de l'activité des flotilles françaises en Mer d'Irlande et en Mer Celtique".
- Ref. Demersal Fish Cttee
- K:9 Y Morizur et J J Rivoalen "Fécondité de Nephrops norvegicus en Mer Celtique. Approche quantitative et qualitative".
- K:10 Y Morizur "Estimation de la mortalité pour quelques stocks de langoustine Nephrops norvegicus".
- K:11 R Meixner "The introduced halophyte Spartina townsendii as a habitat for Mytilus edulis off Ulvesbüll (Schleswig-Holstein)".
- Ref. MBQC
- K:12 G Teigsmark and P Øynes "Norwegian investigations on the deep sea shrimp (Pandalus borealis) in the Barents Sea in 1982".
- K:13 S H Clark "Assessment and management of the Gulf of Maine northern shrimp (Pandalus borealis) fishery".
- K:14 M J Fogarty et al. "Assessment of the USA offshore American lobster (Homarus americanus) fishery".

Shellfish Cttee (ctd)

- K:15 J W Ropes and D Pyoas "Preliminary age and growth observations of ocean quahogs, Arctica islandica Linné, from Georges Bank".
- K:16 H Eiriksson "Estimating the growth of Nephrops at Iceland".
- K:17 H Eiriksson "A trial VPA on the Nephrops stock at Iceland, with comparisons to catch and effort data".
- K:18 P Camus "Marquage d'une population côtière de tourteaux (Cancer pagurus L.) en baie d'Audierne (Bretagne sud) - Premiers résultats".
- K:19 Withdrawn.
- K:20 K A Marti, J M Hoenig and S B Saila "A catastrophic decline in a population of sea scallops (Placopecten magellanicus)".
- K:21 J P Hillis and J J Early "On some problems in sampling the Nephrops catch".
- K:22 C J Chapman "Nephrops tagging experiments in Scottish waters, 1977-81".
- K:23 R J G Shelton, A Shanks and J A M Kinnear "An analysis of short-term changes in cpue for a group of Scottish lobster-fishing vessels".
- K:24 J Mason et al. "A comparison of methods of determining the distribution and density of the scallop, Pecten maximus L.".
- Ref. Demersal Fish Cttee K:25 F Redant "Caridean shrimps in the food of demersal fish off the Belgian coast. I. Gadiformes".
- Ref. Demersal Fish Cttee K:26 F Redant "Caridean shrimps in the food of demersal fish off the Belgian coast. II. Perciformes".
- K:27 I Arrobas "Some aspects on the biology and fishery of Nephrops norvegicus (L.) from the south Portuguese coast".
- K:28 M J Figueiredo "The occurrence of resorbition in the ovaries of Nephrops norvegicus (L.) in Portuguese waters".

Shellfish Cttee (ctd)

- K:29 M J Figueiredo "The fecundity of Nephrops  
et al. norvegicus (L.) in Portuguese  
waters".
- K:30 K F Wiborg "The squid, Todarodes sagittatus  
et al. (Lamarck). Distribution and  
biology in northern waters,  
August 1981 - April 1982".
- K:31 K F Wiborg, "The squid Gonatus fabricii  
J Gjørsater (Lichtenstein). Investigations in  
and J M Beck the Norwegian Sea and western  
Barents Sea, 1978-81".
- K:32 J Bertrand "Données sur la distribution des  
Ref. Biol. larves de homard (Homarus  
Oceanogr. gammarus) dans le golfe normando-  
Cttee breton".
- K:33 Withdrawn.
- K:34 M L Coelho "Preliminary results of research on  
et al. squids, Loliginidae and Ommastre-  
phidae, from the Portuguese coastal  
waters".
- K:35 G Conan, "Growth at molt of lobsters in two  
D Robinson areas of Northumberland Strait,  
and D Maynard Canada".

Reference Papers to the Shellfish Committee

- B:2 O Bagge "Selection of Nephrops in 70 mm  
Fish Capture Nephrops trawl".  
Cttee
- B:13 A Charuau, "Survie des rejets de Nephrops  
Fish Capture Y Morizur et norvegicus dans le Golfe de  
Cttee J J Rivoalen Gascogne et en Mer Celtique".
- B:14 Y Morizur, "Survie des langoustines (Nephrops  
Fish Capture A Charuau et norvegicus) s'échappant d'un cul  
Cttee J J Rivoalen de chalut".

Shellfish Cttee

Reference papers (ctd)

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|---------------------------------|---|--|
| B:15<br>Fish Capture<br>Cttee   | A Charneau,<br>Y Morizur<br>et J J Rivoalen | "Sélectivité des fonds de chalut équipés d'un sac de renforcement dans la pêche de la langoustine, <u>Nephrops norvegicus</u> ".                       |
| B:19<br>Fish Capture<br>Cttee   | J P Hillis and<br>J J Early                 | "Selectivity in the <u>Nephrops</u> trawl".  |
| B:27<br>Fish Capture<br>Cttee   | P Fontaine<br><u>et al.</u>                 | "Echantillonneur vertical à crevettes - construction et essais".   |
| B:28<br>Fish Capture<br>Cttee   | M Monette                                   | "Essais de casiers à homards munis d'évents d'échappement".  |
| F:30<br>Mariculture<br>Cttee    | M P Gras et<br>P Gras                       | "Etude de la variabilité génétique de populations naturelles d'huîtres creuses, <u>Crassostrea gigas</u> (Thunberg), du littoral atlantique français". |
| G:51<br>Demersal Fish<br>Cttee  | E Fannon<br>and J P Hillis                  | "Studies on cod prey, with special attention to <u>Nephrops norvegicus</u> ".  |
| L:59<br>Biol.Oceanogr.<br>Cttee | Z Witek,<br>A Grelowski<br>and J Kalinowski | "Formation of Antarctic krill concentrations in relation to hydrodynamic processes and social behaviour".  |
| L:60<br>Biol.Oceanogr.<br>Cttee | J Kalinowski<br>and Z Witek                 | "Forms of Antarctic krill aggregations".   |

L - BIOLOGICAL OCEANOGRAPHY COMMITTEE

- L:1 Administrative Report (with an Addendum).
- L:2 E Rachor "Biomass distribution and production estimates of macro-endofauna in the North Sea".
- L:3 "Report of the Working Group on Larval Fish Ecology, Lowestoft, England, 3-6 July 1981".
- L:4 "Papers of interest to the Biological Oceanography Committee 1981".
- L:5 F Nast,  
Poster T Pommeranz  
Ref. Hydrogr. and M Stein  
Cttee "A comparison of krill abundance between the 1975/76 and 1980/81 seasons around the Weddell-Scotia confluence".
- L:6 M Gillbricht "A red tide in the southern North Sea during summer/autumn 1981".
- L:7 Withdrawn.
- L:8 W Hickel "Ceratium red tide in the German Bight in August 1981: spatial distribution".
- L:9 E Cospier  
and J C Stepien "Phytoplankton-zooplankton coupling in the outer continental shelf and slope waters of the Mid-Atlantic Bight, June 1979".
- L:10 Å Niemi  
Ref. MEQC "Plankton blooms in the central and northern Baltic Sea".
- L:11 T Melvasalo  
Ref. MEQC et al. "Blue-green algal blooms and nitrogen fixation in the Baltic Sea".
- L:12 Withdrawn.
- L:13 A W White  
Ref. MEQC "Toxic dinoflagellate blooms in the Bay of Fundy since 1944".
- L:14 J P Thomas  
Poster et al.  
Ref. Hydrogr. Cttee "Seasonal patterns of surface temperature and phytoplankton pigments in the Georges Bank region".
- L:15 G Schneider "Abundance and chemical composition of the ctenophore, Pleurobrachia pileus, in western Kiel Bight".



Biol.Oceanography Cttee (ctd)

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|--------------------------------|---------------------------------|---|
| L:16                           | R Länge                         | "Investigations on primary production, population density and biomass of benthic microflora on tidal flats in the river Elbe estuary".                |
| L:17                           | M A Baars and<br>S S Oosterhuis | "Diurnal rhythms in grazing on labelled food, gut fluorescence and digestive enzyme activities of the North Sea copepods".                            |
| L:18<br>Ref. Hydrogr.<br>Cttee | G Kullenberg<br><u>et al.</u>   | "Tracing internal layers of plankton".  |
| L:19                           | S S Drobysheva                  | "Degree of isolation of <u>Thysanoessa inermis</u> (Krøyer) and <u>T. raschii</u> (Crustacea, Euphausiacea) populations in the Southern Barents Sea". |
| L:20<br>Ref. MEQC              | L Edler and<br>G Artebjerg      | "Exceptional blooms in the transition area to the Baltic-Kattegat and Belt Sea"   |
| L:21                           | H G Marshall                    | "Mesoscale concentration and composition patterns for phytoplankton from the United States north-eastern continental shelf".                          |
| L:22<br>Ref. MEQC              | M Kat                           | "The sequence of the principal phytoplankton blooms in the Dutch coastal area (1973-81)".   |
| L:23                           | G A Robinson<br>and H G Hunt    | "Biological sub-divisions of the North Sea".  |
| L:24                           | G A Robinson                    | "Plankton Identification Sheets: Editor's Report 1981-82".  |
| L:25                           |                                 | Withdrawn.  |
| L:26                           | E Ursin<br>and W Arntz          | "Biomass as a function of body size in the benthos of Kiel Bay (western Baltic)".   |
| L:27<br>Ref. MEQC              | M J Campos<br><u>et al.</u>     | "Red tide monitoring program in NW Spain. Report of 1977-81".   |
| L:28                           | E Post<br><u>et al.</u>         | "Determination of marine phytoplanktonic biomass".  |



Biol.Oceanography Cttee (ctd)

- L:44 M M Parker "Exceptional marine blooms in  
Ref. MEQC et al. Irish coastal waters".
- L:45  
Withdrawn.
- L:46 M F Li and "Studies of recent mortalities  
Ref. MEQC J W Cornick of the sea urchin (Strongylo-  
centrotus droebachiensis) in  
Nova Scotia".
- L:47 E B Cohen, "Comparison of energy flow in  
D G Mountain three northwestern Atlantic eco-  
and S H Clark systems".
- L:48 C Evans-Zetlin "Gradients in surface phyto-  
J E O'Reilly plankton biomass on and around  
and A Matte Georges Bank".
- L:49 J E O'Reilly "A comparison of the abundance  
and C Evans-Zetlin (chlorophyll a) and size com-  
position of the phytoplankton  
communities in 20 sub-areas of  
Georges Bank and surrounding  
waters".
- L:50 A F J Draxler, "An examination of inorganic  
Ref. Hydrogr. A Matte and nitrogen data on and off of  
Cttee R Waldhauer Georges Bank in 1979".
- L:51 K Sherman "Coherence in the zooplankton  
et al. component of the marine eco-  
system off the northeast coast  
of the United States".
- L:52 E D Houde and "Variability in ichthyoplankton  
J D Alpern Lovdal and microzooplankton abundances  
and feeding by fish larvae in  
Biscayne Bay, Florida".
- L:53 K Tangen "Shellfish poisoning and the  
Ref. MEQC occurrence of potentially toxic  
dinoflagellates in Norwegian  
waters".
- L:54 J J Gonzalez, "Primary productivity in winter  
Ref. MEQC J M Cabanas and in the Ria of Pontevedra (NW of  
A Gonzales-Quijano Spain) and the changes caused by  
the contamination".
- L:55 G Cabeçadas "Red tide in Cascais Bay,  
Ref. MEQC et al. Portugal".

Biol.Oceanography Cttee (ctd)

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|---------------------------------|---|--|
| L:56<br>Ref. MEQC               | E Dahl,<br>D S Danielssen<br>and B Böhle    | "Mass occurrence of <u>Gyrodinium aureolum</u> Hulbert and fish mortality along the southern coast of Norway in September-October 1981". |
| L:57                            | J Koszteyn                                  | "Seasonal changes in the vertical distribution and composition of mesozooplankton in the Gulf of Gdańsk".                                |
| L:58                            | J Warzocha                                  | "Structure of benthic macrofauna communities in the Gulf of Gdańsk".   |
| L:59<br>Ref. Shellfish<br>Cttee | Z Witek,<br>A Grelowski and<br>J Kalinowski | "Formation of Antarctic krill concentrations in relation to hydrodynamic processes and social behaviour".                                |
| L:60<br>Ref. Shellfish<br>Cttee | J Kalinowski<br>and Z Witek                 | "Forms of Antarctic krill aggregations".   |
| L:61                            | M Borysiak<br>and Z Ringer                  | "Composition and biomass distribution of phytoplankton in the southern Baltic in July 1981".   |
| L:62                            | General<br>Secretary                        | "Introduction to the plankton chapter of Volume 38 of Annales Biologiques".  |
| L:63                            | K Jensen                                    | "Report of the 2nd Intercalibration Workshop on Biological Methods, Rønne, Denmark, 17-20 August 1982".                                  |

Reference Papers to the Biological Oceanography Committee

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|------------------------------|--------|--|
| C:15<br>Hydrography<br>Cttee | W Lenz | "On the hydrography of the Fladen Ground area (North Sea) in spring".  |
| C:19<br>Hydrography<br>Cttee | J Smed | "Report on the Third Session of the SCOR/IOC Committee on Climatic Changes and the Ocean (Split, Yugoslavia, 1-5 March 1982)". |

Biol. Oceanography Cttee

Reference papers (ctd)

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|--------------------------------|--------------------------------------|--|
| E:6<br>MEQC                    |                                      | "Report on the Second Meeting of the Working Group on Marine Sediments in relation to Pollution, Lowestoft, 16-18 February 1982".            |
| E:9<br>MEQC                    | P Zubkoff                            | "Red waters of the Chesapeake Bay, 1979-81".   |
| E:10<br>MEQC                   | G Cabeçadas<br><u>et al.</u>         | "A bloom of <u>Mesodinium rubrum</u> in the outer Tejo estuary".   |
| E:22<br>MEQC                   | J M Bewers<br><u>et al.</u>          | "Guidelines for the preparation of regional environmental assessments".  |
| E:23<br>MEQC                   | W C Phoel                            | "A comparison of the seabed oxygen consumption rates of different benthic environments along the northeast United States continental shelf". |
| E:66<br>MEQC                   | G Kullenberg                         | "Summary report of Baltic Marine Biologists' Committee Meeting in Helsinki, 26-28 August 1982".  |
| G:16<br>Demersal Fish<br>Cttee | H W van der Veer<br>and J J Zijlstra | "Predation of flatfish larvae by <u>Pleurobrachia pileus</u> in coastal waters".   |
| G:58<br>Demersal Fish<br>Cttee | M J Silverman<br>and J Myron         | "The distribution and abundance of silver hake ( <u>Merluccius bilinearis</u> ) larvae off northeastern United States, 1977-80".             |
| G:60<br>Demersal Fish<br>Cttee | R L Edwards<br>and S Avtges          | "New techniques for describing growth".  |
| H:10<br>Pelagic Fish<br>Cttee  | R J Wood                             | "Variability in catches of herring larvae by different survey vessels".  |
| H:61<br>Pelagic Fish<br>Cttee  |                                      | "Report on joint Soviet-Icelandic investigations on hydro-biological conditions in the Norwegian Sea and Icelandic waters in May-June 1982". |
| J:11<br>Baltic Fish<br>Cttee   | H Möller                             | "Effect of jellyfish predation on larval herring in Kiel Bight".   |
| K:32<br>Shellfish<br>Cttee     | J Bertrand                           | "Données sur la distribution des larves de homard ( <u>Homarus gammarus</u> L.) dans le golfe normando-breton".                              |

M - ANADROMOUS AND CATADROMOUS FISH COMMITTEE

- M:1 Administrative Report.
- M:2 "List of papers of interest to the members of the Anadromous and Catadromous Fish Committee 1981".
- M:3 F-W Tesch "Further studies on eel larvae collections taken by 'Friedrich Heincke' 1981 in the Sargasso Sea and during North Atlantic transects".
- M:4 E L Bakshtansky and V D Nesterov "Water current velocity at the parrs 'starting point' and parrs activity rhythm during 24 hours".
- M:5 E L Bakshtansky et al. "Change in the behaviour of Atlantic salmon (Salmo salar) smolts in the process of downstream migration".
- M:6 U Löwenberg "Investigations on the food of the European eel (Anguilla anguilla L.) in the German Bight".
- M:7 M Holm "Behaviour of Atlantic salmon smolts during seaward migration. I. Preliminary report on ultrasonic tracking in a Norwegian fjord system".  
Ref. Mariculture Cttee
- M:8 G Rasmussen "A pilot experiment with different types of external tags".
- M:9 O Christensen "Danish experiments with salmon smolt released into the Baltic Sea from the island of Bornholm".
- M:10 Withdrawn.
- M:11 K R Torrissen and O J Torrissen "Protease activities in the digestive tract of Atlantic salmon fry from five different river strains".
- M:12 O J Torrissen and K R Torrissen "The effect of carotenoids on the development of roe and on growth rate of Atlantic salmon fry".
- M:13 Withdrawn.
- M:14 J H C Pippy and D G Reddin "Report on the 1981/82 International Atlantic Salmon Scale-Reading Exercise".

Anacat Cttee (ctd)

M:15	D G Reddin	"Some general information on discriminant functions and accuracy for identifying North American and European Atlantic salmon caught at West Greenland".
M:16	D G Reddin and D E Stansbury	"Biological characteristics of Atlantic salmon ( <u>Salmo salar</u> ) of North American and European origin sampled at West Greenland in 1981".
M:17 Ref. Pelagic Fish Cttee	D G Reddin and J E Carscadden	"Salmon-capelin interactions".
M:18	D G Reddin	"Reliability and corrections for size categories classifying Atlantic salmon ( <u>Salmo salar</u> ) into 1SW and MSW age groups in Newfoundland-Labrador catch records".
M:19		Withdrawn.
M:20	E M P Chadwick	"1SW Atlantic salmon harvests predicted one year in advance".
M:21 Ref. Mariculture Cttee	J M Lindbergh and P Brown	"Continuing experiments in salmon ocean ranching in southern Chile".
M:22		Withdrawn.
M:23		Withdrawn.
M:24	T L Marshall	"Interception in Nova Scotian coastal waters of Nova Scotia salmon returning to home rivers".
M:25 Ref. Mariculture Cttee	J R Mitchell	"The status of private ocean ranching of Pacific salmon in the western United States".
M:26	T F Cross and D J Piggins	"The effect of abnormal climatic conditions on the smolt run of 1980 and subsequent returns of Atlantic salmon and sea trout".
M:27	D Cotter and D J Piggins	"A comparison of the performance of steelhead trout and rainbow trout ( <u>Salmo gairdnerii</u> ) in sea-cage farming operations".
M:28	C Moriarty	"An analysis of the Irish eel fishery in 1981".

Anacat Cttee (ctd)

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| M:29 | B O Rosseland<br>and O K Skogheim           | "Physiological stress and mortality of Atlantic salmon, <u>Salmo salar</u> L., in acid water with high levels of aluminium".               |
| M:30 | B O Rosseland,<br>T B Lea and<br>L P Hansen | "Physiological effects and survival of Carlin-tagged and descaled Atlantic salmon, <u>Salmo salar</u> L., in different water salinities".  |
| M:31 | L P Hansen<br>and C Senstad                 | "Stocking of fingerlings of Atlantic salmon, <u>Salmo salar</u> L., in lakes, a possible smolt production method".                         |
| M:32 | L P Hansen                                  | "Size and age distribution in the Norwegian Sea and in Norwegian home waters of Atlantic salmon, <u>Salmo salar</u> L., tagged as smolts". |
| M:33 | P Aass                                      | "Fjord stockings of non-anadromous brown trout, <u>Salmo trutta</u> L.".   |
| M:34 | A Isaksson                                  | "Returns of microtagged Atlantic salmon ( <u>Salmo salar</u> ) to the Kollafjörður Experimental Fish Farm in 1976-79 tagging experiments". |
| M:35 | A Isaksson                                  | "Returns of microtagged Atlantic salmon ( <u>Salmo salar</u> ) of Kollafjörður stock to three different salmon ranching facilities".       |
| M:36 | E Ikonen,<br>J Toivonen<br>and H Auvinen    | "Report on the results of the Baltic Sea Trout Tagging Experiment".  |
| M:37 | E Ikonen,<br>J Toivonen<br>and H Auvinen    | "Annual report on the results of the Baltic Sea Trout Transfer Experiment".  |
| M:38 | E Ikonen<br>and H Auvinen                   | "Results of stocking with Baltic salmon in Finland in 1969-1980".  |
| M:39 | E Ikonen<br>and H Auvinen                   | "Results of Finnish stocking with sea trout ( <u>Salmo trutta</u> m. <u>trutta</u> ) in the Baltic Sea in 1971-1980".                      |
| M:40 | J Toivonen<br>and E Jutila                  | "Report on parr population densities, tagging experiments and river catches of the salmon stock of the River Simojoki in 1972-80".         |



Anacat Cttee (ctd)

M:41	J Salmi and E Ikonen	"Food and feeding of salmon in the Bothnian Sea".
M:42	Baltic Salmon Assessment Working Group	"Fin-clipping and microtagging of salmon in the Baltic Sea".
M:43	E M P Chadwick	"Recreational catch as an index of Atlantic salmon spawning escapement".
M:44	P-O Larsson	"Information about the COST 46/4 Project: Sea Ranching of Atlantic Salmon".
M:45	P-O Larsson	"Effects of reduced fishing for feeding salmon in the Baltic on home-water fisheries according to simulations with the Carlin-Larsson population model".

Reference Papers to the Anadromous and Catadromous Fish Committee

B:5 Fish Capture Cttee	E C E Potter	"The physical properties of gill nets in relation to mesh regulations".
E:11 MEQC	H Koops <u>et al.</u>	"On the reduction of the mercury content in wild eels from the river Elbe by pond feeding".
F:2 Mariculture Cttee		"Report of the Working Group on Genetics, 30 March - 3 April 1982".
F:32 Mariculture Cttee	H E Booke	"New approaches to fish stock identification: cultured and wild".
F:35 Mariculture Cttee	T Hansen and D Møller	"Hatching of Atlantic salmon ( <u>Salmo salar</u> ) in an artificial substrate".
F:36 Mariculture Cttee	J Chr. Holm, T Hansen and D Møller	"Start feeding of salmonids with lake zooplankton".

Anacat Cttee

Reference papers (ctd)

F:37  
Mariculture  
Cttee

"Report of the Working Group on  
Introductions and Transfers of  
Marine Organisms, La Coruña,  
Spain, 4-7 May 1982".

See also: Assess:19, 20.

N - MARINE MAMMALS COMMITTEE

- N:1 Administrative Report.
- N:2 P J H Reijnders "On the extinction of the southern Dutch harbour seal population".
- N:3 "Publications of interest to the Marine Mammals Committee, 1981".
- N:4 R Duguy "Cétacés et pinnipèdes trouvés sur les côtes françaises de la Manche et de l'Atlantique en 1981".
- N:5 R Duguy, E Hussenot et D Prieur "Note sur les variations de quelques populations de cétacés et de pinnipèdes des côtes de France".
- N:6 J C Rey et O Cendrero "Les mammifères marins trouvés sur les côtes espagnoles en 1981".
- N:7 G C Ray and R V Miller "Critical habitats of marine mammals".
- N:8 R Holt and T D Smith "A method for estimating range and bearing to sighted cetaceans".  
Poster
- N:9 G C Ray and C Rockwell "Ecological perspectives on pollutants in marine mammals".  
Ref. MEQC
- N:10 E W Born, R Dietz and M P Heide-Jørgensen "Distribution and catch of walrus (Odobenus rosmarus) in West Greenland".
- N:11 G Behrends "Analysis of stomach and colon contents of 185 common seals from the Waddensea of Schleswig-Holstein".
- N:12 R Dietz and M P Heide-Jørgensen "A new breeding attempt of grey seals (Halichoerus grypus) in the Kattegat".
- N:13 I L Boyd "Ovulation and pregnancy rates in grey seals from the British coast".
- N:14 I L Boyd "The use of Corpora albicantia for determining pregnancy rates in seals, with special reference to grey seals (Halichoerus grypus)".
- N:15 S S Anderson and M A Fedak "The energy costs and efficiency of lactation in grey seals".
- N:16 L Almkvist "Baltic Marine Mammals - A status report".  
Ref. MEQC

Marine Mammals Cttee (ctd)

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|-------------------|--|--|
| N:17              | J Poupin et<br>J P Minet                         | "Les populations de phoques des<br>iles Saint-Pierre et Miquelon.<br>I. Les phoques gris".     |
| N:18              | J Poupin et<br>J P Minet                         | "Les populations de phoques des iles<br>Saint-Pierre et Miquelon. II. Les<br>phoques communs". |
| N:19              | P F Brodie                                       | "Marine mammals: insights through<br>studies of morphology and energetics".                    |
| N:20<br>Ref. MEQC | J Frizell and<br>S Holt<br>(Submitted by<br>IWC) | "Organochlorine compounds in<br>Cetaceans - implications for popula-<br>tion modelling"        |
| N:21<br>Ref. MEQC | J Henry and<br>P B Best<br>(Submitted by<br>IWC) | "Organochlorine residues in whales<br>landed at Durban, South Africa".                         |