

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.

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Gen - General Assembly Reports and Papers of General Interest

- Gen:1 "Reports by Observers from Collaborating Organisations".
- Gen:1.a "Brief Reports on Symposia and Workshops arranged by ICES 1978/79" (including Doc. C.M.1979/E:68).
- Gen:2 "Activities of the International Council for the Exploration of the Sea 1978/79".
- Gen:3 "Advance Release of Tables 1-5 and K of Bulletin Statistique, Vol. 63, 1978".
- Gen:4 "Election of Committee Chairmen at the 67th Statutory Meeting". (E+F)
- Gen:5 "Note on Recommendations and Reports". (E+F)
- Gen:6 A Saville "Shortcomings and Gaps in Data required for Stock Assessment Purposes".
- Gen:7 G Kullenberg "On the potential input of physical (Symp.) oceanography to the elucidation of processes in other marine disciplines".
- Gen:8 Compiled by ICES Hydrographer "Catalogue of regularly issued marine environmental data products for the ICES area. 1979 issue".
- Gen:9 M Whitfield "The role of chemical reactor theory (Symp.) in integrated studies of saline waters".
- Gen:10 "Possibilities for a dialogue on fishery management".
- Gen:11 D H Cushing "Production in the central gyres of (Symp.) the Pacific".

Del - DELEGATES MEETINGS

- Del:1* "Audited accounts for 1977/78 with balance sheet per 31/10 1978".
- Del:2* "Preliminary report on the administration 1978/79".
- Del:3* "Administrative reports of area- and subject Committees 1978" - please see under the respective Committees.
- Del:4* "Estimated accounts for the financial year 1978/79".
- Del:5* "Budget for the financial year 1979/80". (E+F)
- Del:6* "Forecast Budget for the financial year 1980/81". (E+F)
- Del:7* "Proposals for amendment of the Rules of Procedure". (E+F)
- Del:8* "Elections to be undertaken by the Council at the 67th Statutory Meeting". (E+F)
- Del:9* "The Council's computer problems".
- Del:10* "Information on the free distribution of the Council's publications".
- Del:11* "Arrangements for international fisheries research".
- Del:12* "Possibilities for savings on future budgets".
- Del:13* "Job descriptions for the Secretariat staff".

* For Delegates only.

B - FISHING TECHNOLOGY COMMITTEE

- B:1 Administrative Report.
- B:2 P J G Carrothers "The effect of load distribution on the mathematical planforms of trawl frame lines".
- B:3 "Report of the Working Group on Research on Engineering Aspects of Fishing Gear, Vessels and Equipment".
- B:4 "Working Group on Reactions of Fish to Fishing Operations, 9-10 May 1979, Göteborg".
- B:5 T J Pitcher "The role of schooling in fish capture".
Ref. Pelagic
Fish Cttee
- B:6 K Lange "Full scale trials with long-rope trawls".
Ref. Pelagic
Fish Cttee
- B:7 H Mohr "First results of German experiments
and G Rauck with a selective shrimp trawl".
Ref. Shellfish
Cttee
- B:8 "Report of the Data Collection Working Group Meeting in Gothenburg, Sweden, 9 May 1979".
- B:9 A C Burd "Experiments with beam trawls".
and M R Vince
- B:10 G Kurc "Rapport général sur les réunions du Comité de Technologie des Pêches à Göteborg (Suède), 7 au 11 mai 1979".
"General Report - Fishing Technology Committee Working Groups, Göteborg, Sweden, 7 to 11 May 1979".
- B:11 D J Garrod "Fishing performance in the UK fleet
1974-77".
Ref. Demersal
and Pelagic
Fish Cttees
- B:12 A Watson, "Selection of sole (Solea solea (L.))
R Millner and by trammel nets and the effect of
B Mumford mesh size on catches".
- B:13 R Guichet "Sélectivité des poches en polyamide
dans la pêche de la sole (Golfe de
Ref. Demersal Gascogne, 1979)".
Fish Cttee
- B:14 J Bertrand "Principaux types d'engins fixes utilisés
et J Kopp le long des côtes du Cotentin pour la
Cttee capture des crustacés et des mollusques".

Fishing Technology Cttee (ctd)

- B:15 "Preliminary survey report on Joint USA/USSR meeting on Hydroacoustical Methods (7 July, 1979)".
- B:16 S H í Jakupsstovu "Faroese experiments with very big meshed trawls for blue whiting fishery".
Ref. Pelagic Fish Cttee
- B:17 P A M Stewart "The selection of pulse characteristics for electrical fishing experiments from measurements on direct muscle stimulation".
- B:18 K Olsen "Observed avoidance behaviour of herring in relation to passage of an echo survey vessel".
Ref. Pelagic Fish Cttee
- B:19 K K Angelsen, K Haugen and S Floen "The catching efficiency of cod gill-nets with different hanging ratio (E) and different floatline buoyancy".
Ref. Demersal Fish Cttee
- B:20 K K Angelsen and I Huse "Qualitative contrast comparisons of differently coloured gillnets".
- B:21 A Fernø and J W Valdemarsen "Preliminary studies on the influence of bottom obstructions and topography on the availability of demersal fish for gillnet fishing in the North Sea".
Ref. Demersal Fish Cttee
- B:22 I Huse "Fish behaviour studies as an aid to cod and haddock longline hook design".
Ref. Demersal Fish Cttee
- B:23 B Isaksen "Estimates of capelin trawl efficiency by comparing the available fish with the actual catch".
Ref. Pelagic Fish Cttee
- B:24 B Isaksen, H Jensen and S Olsen "Recent developments on blue whiting trawls in Norway".
Ref. Pelagic Fish Cttee
- B:25 L Karlsen "Fullscale experiments with a new midwater 3-foil type and standard Waco and süberkrüb otterboards".
- B:26 W Dickson "Trawl drag area and netting geometry".
- B:27 J W Valdemarsen "Behaviour aspects of fish in relation to oil platforms in the North Sea".
- B:28 W Seidel "Development of a sea turtle excluder shrimp trawl".

Fishing Technology Cttee (ctd)

Reference Papers to the Fishing Technology Committee

G:51
Demersal Fish
Cttee

J Dalen and
O M Smedstad

"Acoustic method for estimating
absolute abundance of young cod
and haddock in the Barents Sea".

K:29
Shellfish
Cttee

J B Perodou
et R Pinget

"Observations sur la pêche de la
seiche Sepia officinalis au casier
en baie de Vilaine".

K:30
Shellfish
Cttee

A Charuau

"Sélectivité des fonds de chaluts
en polyéthylène dans la pêche de
la langoustine".

C - HYDROGRAPHY COMMITTEE

- C:1
Ref. Marine
Environmental
Quality Cttee
"First Report of the Marine Chemistry
Working Group, Lisbon, 8-11 May 1979".
- C:2
Ref. Marine
Environmental
Quality Cttee
G Dahlmann,
H Gaul and
G Weichart
"Investigations of temperature,
salinity, oxygen, pH, alkalinity and
organic pollutants in the Baltic Sea
during BOSEX 77".
- C:3
Withdrawn.
- C:4
Ref. Marine
Environmental
Quality Cttee
D Schmidt
and H Zehle
"Trace metals in Baltic Sea water
during BOSEX 77".
- C:5
Ref. Anacat.
Cttee
G Wegner
"First hydrographic results from the
Sargasso Sea expedition with FRV
'Anton Dohrn', 19.3. - 9.5.1979".
- C:6
J Malicki and
D Wielbińska
"Meteorological research of the Baltic
Sea area and prospects of their
further development".
- C:7
A Juśkiewicz
"Air-temperature transformation over
the Baltic Sea during BOSEX 77".
- C:8
E Skrzypczak and
D Wielbińska
"Wind field pattern and moisture
content over Southern Baltic during
BOSEX 77".
- C:9
Ref. Marine
Environmental
Quality Cttee
E Andrulewicz,
A Brzezińska and
A Trzosińska
"Some aspects of the chemical
composition of particulate matter
in the Southern Baltic".
- C:10
Z Catewicz
"Mesoscale variability of currents
in the Southern Baltic Sea".
- C:11
A Jankowski
and Z Kowalik
"Diagnostic model of wind- and
density-driven currents in the
Baltic Sea".
- C:12
A Grelowski and
M Pastuszak
"Preliminary determination of
occurrence and movements of water
masses in the region of South
Georgia Island".
- C:13
A Majewicz
"Note on water dynamic in the frontal
zone of Brazil and Falkland currents".
- C:14
Ref. Biol.
Oceanography
Cttee.
B Szpiganowicz
"The content of biogenic elements and
oxygen in the frontal zone of the
Brazil and Falkland currents".

Hydrography Cttee (ctd)

- | | | |
|---|--------------------------------|--|
| C:15 | A Furtak
and J Wysocki | "Distribution of water temperature on Flemish Cap Bank in spring 1978". |
| C:16 | T S Jacobsen | "Recent results on the water exchange of the Baltic". |
| C:17 | | "Recommendation from the International Workshop on Remote Sensing. Sea truth data. (ISPRA, Sept. 12-14,1978)". |
| C:18 | B Hansen | "Residual flow and temperature on the Faroe plateau during the first half of 1978 in relation to the circulation". |
| C:19 | O V Tyagunova | "Large-scale temporal variations of hydrological conditions in the Denmark Strait and adjacent areas". |
| C:20 | S H Fonselius | "Intercomparison of hydrographical measurements during the BOSEX-77". |
| C:21
Ref. Pelagic
Fish Cttee | E Hagen
and R Weiss | "Mesoscale coastal upwelling dynamics off the NW-African coast and hypothetic relations to the chub mackerel concentrations". |
| C:22 | W Matthäus | "Long-term variations of the primary halocline in the Gotland Basin". |
| C:23 | N Michelsen | "Analysis of long-term meteorological field variations in the upwelling area along the NW-African coast". |
| C:24
Ref. Biol.
Oceanography
Cttee | D Nehring | "Relationships between salinity and increasing nutrient concentration in the mixed winter surface layer of the Baltic from 1969-78". |
| C:25
Ref. Biol.
Oceanography
Cttee | D Nehring
and A Wilde | "Investigations on the atmospheric transport of nutrients into the Baltic". |
| C:26
Ref. Biol.
Oceanography
Cttee | J W Ramster | "Some of the lessons learnt from JONSDAP '76 in the planning and organisation of large-scale cooperative oceanographic exercises". |
| C:27 | J W Ramster
and P A Gurbutt | "A near-bed intercomparison in 1172 metres of water of an Aanderaa RCM4 current meter and a Plessey 9021 current meter". |
| C:28 | K Grasshoff | "The carbon dioxide problem, a challenge for marine chemists". |

Hydrography Cttee (ctd)

- C:29 "Report on the meeting of ICES Working Group on Aerospace Remote Sensing (Valbonne, France, 13-14 June, 1979)".
- C:30 Jens Smed "Report on the Joint IOC/WMO Seminar and Workshop on Oceanographic Products and the IGOSS Data Processing and Services System (IDPSS)".
- C:31 ICES Hydrographer "Activities of the ICES Service Hydrographique during 1978/79".
- C:32 Jens Smed "Report on the 9th Session of the IOC Working Committee on International Oceanographic Data Exchange".
- C:33 U Stefánsson "Particulate matter in Icelandic surface waters".
- C:34 A Edwards,
D J Ellett,
P Kruseman and
G J Prangmsma "Temperature-salinity variability in the northern Rockall Trough during JASIN 1978".
- C:35 D J Ellett,
H D Dooley and
H W Hill "Is there a North-East Atlantic slope current?".
- C:36 G A Becker "Mean net surface heat exchange of the North Sea".
- C:37 ICES Hydrographer "ICES catalogue of computer programmes in physical and chemical oceanography. 1979 issue".
- C:38 Jens Smed "Introduction to the Hydrography section of 'Annales Biologiques', Vol. 35 (1978)".
- C:39 ICES Hydrographer "Provisional programme of work for ICES Service Hydrographique, 1979/80".
- C:40 A M Davies "Comparison of computed and observed residual currents during JONSDAP '76: preliminary results".
- C:41 Geophysical Inst.,
Div. of Physical
Oceanogr., Bergen "Comments on the IAPSO S.U.N. WG's Preliminary Draft Recommendations".
- C:42 J Szaron "Preliminary transport computations of water, salt and nutrients through the Göteborg-Frederikshavn (GF) section in the northern Kattegat, based on measurements 1975-77".

Hydrography Cttee (ctd)

C:43	M Perttilä and V Tervo	"Distribution of total organic carbon in the Baltic Sea water in 1977-78".
C:44	M Perttilä	"Comments on the intercomparison of the chemical data of the BOSEX-77".
C:45	P Mälkki	"Regional survey of current variability in the Archipelago Sea".
C:46 Ref. Marine Environmental Quality Cttee	A Voipio and L Niemistö	"Sedimentological studies and their use in pollution research".
C:47	J C Nihoul, Y Runfola and B Roisin	"Shear effect dispersion in a shallow tidal sea".
C:48	A Loffet and A Bah	"Air-sea interactions".
C:49	G Belhomme and F C Ronday	"Hydrodynamic models for very shallow coastal seas. Application to the Belgian coast".
C:50*		"Ninth Report of the Joint Panel on Oceanographic Tables and Standards".
C:51*	ICES Hydrographer	"Fourth Edition of Manual on ICES Oceanographic Punch Cards".
C:52	T Gytre	"The performance of a three axis ultrasonic current sensor when inte- grated into an oceanographic data acquisition system".
C:53	T Gytre	"A simple field instrument for measuring and recording up to 16 observations of current speed and direction".
C:54	S R Ramp and W R Wright	"Northeast Channel flow: the view after one year's measurements".
C:55		"ROSCOP summary of U.S. cruises in the ICES area 1978".
C:56	ICES Hydrographer	"Notes on the series 'ICES Oceanographic Data Lists and Inventories'".
C:57*	R E Moffatt, E G Trammel, Jr., C L Sazama and A L Roberson	"World Data Centre A (Oceanography). Oceanographic data exchange 1978".

* For the relevant Committee only.

Hydrography Cttee (ctd)

Reference papers

Reference Papers to the Hydrography Committee

E:8 Marine Environmental Quality Cttee	G Topping, J M Bewers and P G W Jones	"Summary of past and present measurements of selected trace elements in sea water in the Oslo Commission and ICNAF areas".
E:37 Marine Environmental Quality Cttee	J M Bewers, P A Yeats, J Dalziel and J L Baron	"Report of the Fourth Round Inter- calibration for trace metals in sea water".
E:49 Marine Environmental Quality Cttee	J Piuze and M Tremblay	"Mercury in the waters of the St. Lawrence estuary, Quebec, Canada".
E:63 Marine Environmental Quality Cttee	V Klemas	"Remote sensing of coastal fronts and their effects on pollutant dispersion".
H:42 Pelagic Fish Cttee	Jens Smed	"Bottom temperature and salinity in the North Sea during the ICES Young Herring Survey in February and March 1979".
H:59 Pelagic Fish Cttee		"Report on joint Soviet-Icelandic investigations on hydrobiological conditions in the Norwegian Sea and Icelandic waters in May-June 1979".
L:36 Biol.Oceanogr. Cttee	W R Wright and R G Lough	"The Georges Bank larval herring patch study of 1978: a preliminary report".

D - STATISTICS COMMITTEE

- D:1 Administrative Report.
- D:2 ICES Statistician "ICES List of Species Items (as at 31 March 1979)".
- D:3 "Report of the Working Group on the Eventual Establishment of an ICES ADP System for Fishery Statistics, Charlottenlund, 5-9 March 1979".
- D:4 ICES Statistician "Progress Report".

E - MARINE ENVIRONMENTAL QUALITY COMMITTEE

- E:1 Administrative Report.
- E:1/Appendix 1 "Information about sand and gravel extraction, 1978".
- E:2 "Report of the meeting of the ICES/SCOR Working Group on the Study of the Pollution of the Baltic, Tallinn, USSR, 23-25 January 1979".
- E:3 "Report of the ICES Working Group on Effects on Fisheries of Marine Sand and Gravel Extraction, 21-23 March, 1979, Rijswijk (Z-H), the Netherlands".
- E:4 R T E Schüttenhelm "The superficial geology of the Dutch sector of the North Sea".
- E:5 S J de Groot "The consequence of marine gravel extraction for the spawning of herring".
Ref. Pelagic Fish Cttee
- E:6 J E Portmann and L Woolner "Residue monitoring: biological factors of importance: results of regression analyses".
- E:7 G Topping "Summary report on a 5th ICES trace metal intercomparison exercise for biological tissue".
- E:8 G Topping, J M Bowers and P G W Jones "Summary of past and present measurements of selected trace elements in sea water in the Oslo Commission and ICNAF areas".
Ref. Hydrography Cttee
- E:9 "Recent publications of interest to the Marine Environmental Quality Committee".
- E:10 "Overall report of ad hoc Group on Oil Pollution Incidents, based on meetings in Brest, France, 2-9 June 1978 and Charlottenlund, 13-15 March 1979".
- E:11 Withdrawn.
- E:12 H von Westernhagen, V Dethlefsen and H Rosenthal "Combined effects of Cd, Cu, and Pb on developing herring eggs and larvae".

Marine Environmental Quality Cttee (ctd)

- E:13
Ref. Demersal and
Pelagic Fish
Cttees
- H Möller
- "Review of the geographical distribution of fish diseases in the northeast Atlantic".
- E:14
- M Baeteman
and W Wyncke
- "Phenolic compounds in the water and marine organisms off the Belgian coast".
- E:15
- R J Law
- "Hydrocarbon concentrations in water and sediments from the North Sea and English Channel".
- E:16
- C Osterroht
and V Smetacek
- "Vertical transport of chlorinated hydrocarbons by sedimentation of particulate matter in Kiel Bight".
- E:17
- A V Holden
- "Summary report on 1978/79 ICES Intercalibration Exercise for Organochlorine Analyses".
- E:18
- A Franklin
- "The immigrant Japanese seaweed Sargassum muticum in U.K. waters".
- E:19
- M F Hovmand
- "Atmospheric heavy-metal deposition on land and sea".
- E:20
- Withdrawn.
- E:21
- R A A Blackmann,
J Bonnett and
J E Thain
- "Uptake and loss of cadmium under field conditions by the oyster (Ostrea edulis L.)".
- E:22
Ref. Mariculture,
Shellfish and
Anacat Cttees
- "Report of the Working Group on the Introduction of Non-Indigenous Marine Organisms, Conwy, 1-3 April 1979".
- E:23
- R Murchelano
and J Ziskowski
- "Some observations on an ulcer disease of red hake, Urophycis chuss, from the New York Bight".
- E:24
Ref. Mariculture
Cttee
- R Murchelano
and T Azarowitz
- "Fish disease surveys in the western North Atlantic".
- E:25
Ref. Mariculture
Cttee
- R Murchelano
and J Ziskowski
- "Fin rot disease - a sentinel of environmental stress?".
- E:26
Ref. Pelagic Fish
Cttee
- M W Newman,
E B Stephens and
F M Hetrick
- "Etiology of 'spinning disease' of Menhaden".

Marine Environmental Quality Cttee (ctd)

- E:27 H C Freeman and G Sangalang "A preliminary study of the effect of di-2-ethylhexyl phthalate on the Atlantic cod (Gadus morhua)".
- E:28 D W McLeese, S Ray and C D Metcalfe "Chlorinated hydrocarbon pesticides and polynuclear aromatic hydrocarbons in sediments and invertebrates from three coastal areas in New Brunswick, Canada, a natural bioassay".
- E:29 S Ray, D W McLeese and C D Metcalfe "Heavy metals in sediments and invertebrates from three coastal areas in New Brunswick, Canada, a natural bioassay".
- E:30 C M Morrison and P H Odense "The use of scanning electron microscope in assessing the condition of gill lamellae, with particular reference to the effects of cadmium on the gill of brook trout (Salvelinus fontinalis)".
- E:31 Ref. Mariculture Cttee C M Morrison, R G Appy, G Shum, C Annand, and P H Odense "Histology and the incidence of pseudobranch tumours in Atlantic cod (Gadus morhua) in Halifax harbour".
- E:32 Ref. Mariculture Cttee M Gutierrez "On the staining of capsules and filaments of Myxobolus sp. and Kudoa sp. parasite protozoa on certain marine fishes".
- E:33 R Establier and M Gutierrez "Accumulation and histopathological effects of cadmium to the Lisa, Mujil auratus Risso".
- E:34 A Lucas et S le Roux "Les embryons et larves de bivalves organismes-tests, vis-à-vis de la toxicité des hydrocarbures".
- E:35 L Brüggmann "Trace metals in the central tropical Atlantic Ocean".
- E:36 "Report of the Fifth Meeting of the Working Group on Marine Pollution Baseline and Monitoring Studies in the North Atlantic, Lisbon, 15-17 May 1979".
- E:37 Ref. Hydrography Cttee J M Bewers, P A Yeats, J Dalziel and J L Baron "Report of the Fourth Round Intercalibration for trace metals in sea water".

Marine Environmental Quality Cttee (ctd)

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| E:38 | R F Addison | "An assessment of the hazard to the marine environment of a PCB replacement based on butylated monochlorodiphenyl ethers". |
| E:39
Ref. Marine
Mammals Cttee | J C Duinker and
M Th. J Hillebrand | "Mobilization of organochlorines from female lipid tissue and transplacental transfer to fetus in a harbour porpoise (<u>Phocoena phocoena</u>) in a contaminated area". |
| E:40
Ref. Marine
Mammals Cttee | J C Duinker,
M Th. J Hillebrand
and R F Nolting | "Organochlorines and metals in harbour seals (Dutch Wadden Sea)". |
| E:41 | P F Larsen
and L F Doggett | "An overview of nearshore environmental research in the Gulf of Maine". |
| E:42 | R L Lippson
and A J Lippson | "The condition of Chesapeake Bay - an assessment of its present state and its future". |
| E:43 | D Maurer | "A brief review of the status of selected pollutants (pesticides, hydrocarbons, trace metals) in relation to benthic invertebrates in Delaware Bay". |
| E:44 | K McCarthy, C Gross,
R Cooper, R Langton,
K Pecci and J Uzman | "Biology and geology of Jeffreys ledge and adjacent basins: an unpolluted inshore fishing area, Gulf of Maine, NW Atlantic". |
| E:45 | J B Pearce | "Raritan Bay - a highly polluted estuarine system". |
| E:46 | D K Phelps | "Narragansett Bay - a gradient of stress?" |
| E:47 | R N Reid | "Contaminant concentrations and effects in Long Island Sound". |
| E:48 | R L Swanson,
H M Stanford
and D M Goodrich | "A monitoring plan for the New York Bight". |
| E:49
Ref. Hydrography
Cttee | J Piuze and
M Tremblay | "Mercury in the waters of the St. Lawrence estuary, Quebec, Canada". |
| E:50 | D Cossa,
E Bourget
and J Piuze | "Age dependence of trace metal content in <u>Mytilus edulis</u> L.". |

Marine Environmental Quality Cttee (ctd)

- E:51 J E Solbakken
and K H Palmork "Accumulation and metabolism of phenanthrene in rainbow trout (Salmo gairdneri)".
- E:52 P Tulkki "Oil spill of the tanker 'Antonio Gramsci'. Measures and observations in Finland".
- E:53 K H Palmork
and J E Solbakken "Accumulation and metabolism of phenanthrene in Norway lobster (Nephrops norvegicus)".
- E:54 G Conan
and M Friha "Impact of the 'Amoco Cadiz' oil spill on the growth of soles and plaice in the 'Aber' estuaries of Northern Brittany".
- Ref. Demersal
Fish Cttee
- E:55 J N Kremer
and P Kremer "Ecological simulation model of Los Angeles harbor receiving waters (California, USA)".
- E:56 S W Nixon
and V Lee "Spatial and temporal pollution gradients in Narragansett Bay".
- E:57 M E Q Pilson,
G Vargo, C Hunt,
J Gearing,
P Gearing and
K Hinga "Use of MERL microcosms to study the fates and effects of marine pollutants".
- E:58 J M Bouquegneau,
F Noël-Lambot
and A Disteche "Fate of heavy metals in experimental aquatic food chains. Uptake and release of Hg and Cd by some marine organisms. Role of metallo-thioneins".
- E:59 G Gillain,
G Duyckaerts and
A Disteche "The determination of trace metals in sea water and suspended matter by classical anodic stripping (Zn, Cd, Pb, Cu) or differential pulse anodic stripping voltammetry with a hanging mercury drop electrode (Zn, Cd, Pb, Cu, Sb and Bi). An approach to speciation".
- E:60 J P Mommaerts,
W Baeyens and
G Decadt "Synthesis of research on nutrients in the Southern Bight of the North Sea".
- Ref. Biol.
Oceanogr.Cttee
- E:61 W Baeyens,
G Decadt and
I Elskens "Determination of dissolved, particulate and total mercury in the watercolumn of the Southern Bight of the North Sea, with adapted analytical procedures".

Marine Environmental Quality Cttee (ctd)

Reference papers

Reference Papers to the Marine Environmental Quality Committee

C:1 Hydrography Cttee		"First Report of the Marine Chemistry Working Group, Lisbon, 8-11 May 1979".
C:2 Hydrography Cttee	G Dahlmann, H Gaul and G Weichart	"Investigations of temperature, salinity, oxygen, pH, alkalinity and organic pollutants in the Baltic Sea during BOSEX 77".
C:4 Hydrography Cttee	D Schmidt and H Zehle	"Trace metals in Baltic Sea water during BOSEX 77".
C:9 Hydrography Cttee	E Andruliewicz, A Brzezińska and A Trzosińska	"Some aspects of the chemical composition of particulate matter in the Southern Baltic".
C:46 Hydrography Cttee	A Voipio and L Niemistö	"Sedimentological studies and their use in pollution research".
F:15 Mariculture Cttee	J E Stewart	"Special Meeting on Diseases of Commercially Important Marine Fish and Shellfish".
F:61 Mariculture Cttee		"Working Group on the Pathology of Marine Organisms, Conwy, 3-7 April 1979". (E+F)
L:7 Biological Oceanogr. Cttee	N P Morozov and S A Petukhov	"Trace elements in hydrobionts and biotope of the surface layer of sea water in the North Atlantic and the Mediterranean".
N:15 Marine Mammals Cttee	General Secretary	"UNEP plan of action for marine mammals".
N:18 Marine Mammals Cttee	P J H Reijnders	"Organochlorine and heavy metal residues in harbour seals of Schleswig-Holstein plus Denmark, and the Netherlands in relation to the reproduction in both populations".

F - MARICULTURE COMMITTEE

- F:1 Administrative Report.
- F:2 "Report of Study Group on Standardisation of Methodology in Fish Nutrition Research, Hamburg, 21-23 March 1979".
- F:3 "List of publications in the field of the Mariculture Committee, 1978".
- F:4 J Gropp, J Beck,
H Koops and
K Tiews "Rape-seed, lupine and field beans in trout diets".
- F:5 H Koops and
H Kuhlmann "Grading of eels by means of mesh wire boxes".
- F:6 D Kuhlmann,
W Nellen,
P H Koske, J Lenz
and U Witt "Studies on the growth of 0-group plaice and plankton in artificial biocoenoses in outdoor tanks of 2 and 24 m³ volumes".
- F:7 J Lenz,
R Queisser,
W Nellen and
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résultats préliminaires".

K:31
Shellfish Cttee

C C E Hopkins

"Ecobiochemical studies on Pandalus
borealis (Krøyer) from Balsfjord,
northern Norway: preliminary
results from a winter situation".

M - ANADROMOUS AND CATADROMOUS FISH COMMITTEE

- M:1 Administrative Report.
- M:1/Annex 1 Administrative Report for Poland.
- M:2 S Knutsson "Factors affecting the parr-smolt transformation in Atlantic salmon".
Ref. Mariculture Cttee.
- M:3 "Report of the Joint ICES/EIFAC Working Group on Stocks of Eels, Charlottenlund, 20-22 March 1979".
- M:4 "The 25th Meeting of the Baltic Salmon Working Group, Älvkarleby, Sweden, 2-3 April 1979".
- M:4/Appendix (Corrections to M:4).
- M:5 P Ottestad "On the fluctuations in the yield of the Norwegian salmon fishery".
- M:6 F-W Tesch, R Kracht, M Schoth, D G Smith and G Wegner "Report on the Eel Expedition of FRV 'Anton Dohrn' and RK 'Friedrich Heincke' to the Sargasso Sea 1979".
- M:7 Withdrawn.
- M:8 K W Jensen "Saltwater releases and saltwater adaptation of smolts of Atlantic salmon".
- M:9 K W Jensen "Experimental drift-netting for salmon in Norway 1978".
- M:10 "Report of the Working Group on North Atlantic Salmon, Charlottenlund 30 April - 3 May 1979".
- M:10/Addendum 1 (Amendments to C.M.1979/M:10 and addendum to the Appendix of the same document)
- M:11 R Sych "Report by the Baltic Salmon Working Group on cooperative sea trout tagging".
- M:12 F Chrzan "Feeding of salmon and sea trout and their food resources in the Baltic Sea".
- M:13 L P Hansen "Net mark frequencies on Atlantic salmon, Salmo salar L., in Norwegian rivers and coastal areas 1978".

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| M:14 | P-O Larsson | "Experiments with Carlin-tags of different colours". |
| M:15 | T R Porter | "A review of factors affecting the rate of return of tagged Atlantic salmon smolt and effects of tagging". |
| M:16 | D G Reddin
and R F Burfitt | "The stock composition of Atlantic salmon off West Greenland and in the Labrador Sea". |
| M:17 | D G Reddin | "Evidence of an underestimation of the proportion of North American origin Atlantic salmon caught in the commercial fisheries at West Greenland". |
| M:18 | D G Reddin | "Refinement of the estimation of North American and European origin salmon at West Greenland". |
| M:19 | D J Fairbairn | "Evidence for the underestimation of the proportion of North American salmon in West Greenland feeding aggregate". |
| M:20 | D G Reddin
and R F Burfitt | "Length, weight, sex and age characteristics of Atlantic salmon (<u>Salmo salar</u>) of North American and European origin caught at West Greenland in 1978". |
| M:21 | J K Bailey and
R L Saunders | "Preliminary report on releases and returns of two year classes of Atlantic salmon from various pure strains and strain crosses". |
| M:22 | R L Saunders | "Physiological and behavioural changes involved in salmonid smolting with particular reference to Atlantic salmon". |
| M:23
Ref. Mariculture
Cttee | B D Glebe,
R G Appy and
R L Saunders | "Variation in Atlantic salmon reproductive traits and their implication in breeding programs". |
| M:24 | R A Eisner
and J A Ritter | "The Canadian Atlantic salmon (<u>Salmo salar</u>) smolt tag and its recovery system: a review". |
| M:25 | J A Ritter
and T L Marshall | "A review of non-catch fishing mortality as it relates to Atlantic salmon (<u>Salmo salar</u>) fisheries". |
| M:26 | W G Doubleday,
J A Ritter and
K U Vickers | "Natural mortality rate estimates for North Atlantic salmon in the sea". |

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M:27*	Ole Christensen	"Catches of Baltic salmon in 1976-78".
M:28	E Hoffmann, H Hansen and P M Christensen	"Changes in catch per effort unit and catch composition of silver eels in the southeastern Denmark, 1949-77".
M:29 Ref. Mariculture Cttee	Y Harache et G Boeuf	"Variations saisonnières de la tolérance à l'eau de mer de juvéniles de saumon coho (<u>Oncorhynchus kisutch</u>)".
M:30	P Prouzet, Y Harache et B Jalabert	"Rapports des sexes dans les captures de saumon atlantique d'une rivière de Bretagne, France".
M:31	P Prouzet	"Compétition interspécifiques entre les juvéniles de truite fario (<u>Salmo trutta</u>) et de saumon atlantique (<u>Salmo salar</u>) dans un ruisseau pépinière".
M:32	T H Simpson and A F Youngson	"Changes in thyroidal status associated with the migrations of the Atlantic salmon (<u>Salmo salar</u> L.)".
M:33	D W Hay, T H Simpson and A F Youngson	"Nutritional status and the downstream migration of juvenile Atlantic salmon <u>Salmo salar</u> L.".
M:34	R J G Buck and A F Youngson	"The downstream migration of precociously mature Atlantic salmon (<u>Salmo salar</u> L.) parr in autumn".
M:35	Sv. Aa. Horsted and I Meldal	"Progress report on checking the lists of tagged salmon recaptured in Greenland waters".

Reference Papers to the Anadromous and Catadromous Fish Committee

C:5 Hydrography Cttee	G Wegner	"First hydrographic results from the Sargasso Sea Expedition with FRV 'Anton Dohrn', 19.3. - 9.5.1979".
E:22 Marine Environmental Quality Cttee		"Report on the Working Group on the Introduction of Non-Indigenous Marine Organisms, Conwy, 1-3 April 1979".

* For the relevant Committee only.

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Reference papers

F:10
Mariculture Cttee

G Quantz,
W Nellen and
J Lenz

"Tolerance limits of rainbow trout fry (S. gairdneri) to salinity. - Adaptation strategy, survival and growth".

F:31
Mariculture Cttee

F M Utter,
D Campton,
S Grant,
G Milner,
J Seeb and
L Wishard

"Population structures of indigenous salmonid species of the Pacific northwest".

F:45
Mariculture Cttee

S R Zell

"Preservation of rainbow trout and Atlantic salmon gametes!"

N:9
Marine Mammals
Cttee

E C E Potter
and A Swain

"Seal predation in the North-East England coastal salmon fishery".

N - MARINE MAMMALS COMMITTEE

- N:1 Administrative Report.
- N:2 J C Rey and O Cendrero "Les cétacés vus en mer et échoués sur les côtes espagnoles en 1977 et 1978".
- N:3 S Söderberg "An ecosystem approach to grey seals and fisheries".
- N:4 "List of publications on marine mammals, 1978".
- N:5 "ICES ad hoc Working Group on Interaction between Grey Seal Populations and Fish Species, Charlottenlund, 14-18 May 1979".
- N:6 H E Drescher "Spatial distribution of the harbour seal in the Waddensea during the breeding season".
- N:7 R Duguy "Rapport annuel sur les cétacés et pinnipèdes trouvés sur les côtes de France en 1978".
- N:8 R Duguy et A Collet "Note sur la reproduction de Delphinus delphis dans le NE Atlantique".
- N:9 E C E Potter and A Swain "Seal predation in the North-East England coastal salmon fishery".
Ref. Anacat.
Cttee
- N:10 D Prieur et R Duguy "Nouvelles données sur le statut du phoque gris (Halichoerus grypus) en France".
- N:11 S G Brown "Whale marking in the North Atlantic 1950-78".
- N:12 A R Hiby and J Harwood "The reliability of population estimates for British grey seals".
- N:13 T S McCann, W N Bonner, J H Prime and C Ricketts "Age distribution and age at first pregnancy of South Georgia elephant seals".
- N:14 J H Prime "Observations on the digestion of some gadoid fish otoliths by a young common seal".
- N:15 General Secretary "UNEP plan of action for marine mammals".
Ref. Marine
Enviromental
Quality Cttee

Marine Mammals Committee (ctd)

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| N:16 | H Winn,
T Thompson,
W Cummings,
H Jain, J Hudnall,
H Hays and
W Steiner | "Song of the humpback whale -
population comparisons". |
| N:17 | P J H Reijnders | "Management and conservation of
the harbour seal population
(<u>Phoca vitulina</u>) in the inter-
national Wadden Sea area". |
| N:18
Ref. Marine
Environmental
Quality Cttee | P J H Reijnders | "Organochlorine and heavy metal
residues in harbour seals of
Schleswig-Holstein plus Denmark,
and the Netherlands in relation
to the reproduction in both
populations". |

Reference Papers to the Marine Mammals Committee

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| E:39
Marine
Environmental
Quality Cttee | J C Duinker and
M Th. J Hillebrand | "Mobilization of organochlorines
from female lipid tissue and
transplacental transfer to fetus
in a harbour porpoise (<u>Phocoena
phocoena</u>) in a contaminated area". |
| E:40
Marine
Environmental
Quality Cttee | J C Duinker,
M Th. J Hillebrand
and R F Nolting | "Organochlorines and metals in
harbour seals (Dutch Wadden Sea)". |
| G:40
Demersal Fish
Cttee | P H Odense | " <u>Phocanema decipiens</u> , the codworm
problem and solutions". |

POSTER SESSIONS AT THE 67th STATUTORY MEETING

- No.1 H Möller "Predation of Aurelia medusae on
 herring larvae in Kiel Bight".
- No.2 H Grave
 and H Möller "Estimation of algal beach cost
 at the western Baltic coast".
- No.3 H Möller and
 H H Janssen "Feeding of Anemonia sulcata".
- No.4 T Pommeranz,
 H Fischer,
 C Herrmann,
 H Kühn and
 P Ohm "A preliminary description of the
 multiple plankton sampler 'Messhai'".
- No.5 Withdrawn.
- No.6 H Möller "A summer survey of zooplankton in
 the North Sea and the Baltic".