

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 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 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 "Reports by Observers from Collaborating Organisations".
- Gen:2 "Activities of ICES 1976/77".
- Gen:3 "ICES statistical rectangle coding system".
- Gen:4 "Advance Release of Tables 1-5 of Bulletin Statistique, Vol. 61 (for 1976)".
- Gen:5 "Election of Committee Chairmen at the 65th Statutory Meeting". (E + F)
- Gen:6 "Notes on recommendations and reports".

Del - DELEGATES MEETINGS

- Del:1* "Audited Accounts for 1975/76 with Balance Sheet per 31/10 1976, and Notes by the General Secretary".
- Del:2* "Preliminary Report on the Administration for the Year 1/11-1976 - 31/10 1977".
- Del:3* "Administrative Reports of Area and Subject Committees 1976".
- Del:4* "Estimated Accounts for the Financial Year 1976/77".
- Del:5* "Budget for the Financial Year 1977/78". (E + F)
- Del:6* "Forecast Budget for the Financial Year 1978/79". (E + F)
- Del:7* "Report of the 'Bureau Working Group' London 30 June - 2 July 1977 (with proposals for amendments of the Rules of Procedure)".
- Del:8* "Proposals for amendments of the Rules of Procedure". (E + F)
- Del:9* "Freedom of research in the Council's area".
- Del:10* "Elections to be undertaken by the Council at the 65th Statutory Meeting". (E + F)

B - GEAR AND BEHAVIOUR COMMITTEE

- B:1 Administrative Report.
- B:2 "Report of the Working Group on Research on Engineering Aspects of Fishing Gear, Vessels and Equipment".
- B:3 "Report of the Special Joint Session on biological and technological aspects of electrical fishing".
- B:4 "Report of the Working Group on Reactions of Fish to Fishing Operations".
- B:5 T Carstens "Bottom trawling across sea pipelines".
Ref. Fisheries
Improvement Cttee
- B:6 R Le Men "Etude d'un système de pêche par lumière, champ électrique et pompe pour la capture des sardines, Sardina pilchardus (Walbaum)".
- B:7 H Aloncle "Etudes comparatives de différents leurres à germons (Thunnus alalunga)".
et F Delaporte
Ref. Pelagic
Fish (S) Cttee
- B:8 S J de Groot "The relation between beam trawling and submarine pipelines and possible adaptations of the fishing gear to reduce impact forces".
Ref. Fisheries
Improvement Cttee
- B:9 S J de Groot "Dutch fishing activities in the North Sea and adjacent waters relevant to the safety of underwater pipelines".
Ref. Fisheries
Improvement Cttee
- B:10 S J de Groot "Literature references relevant to the interaction between the fishing industry and the offshore gas/oil industries".
and A D McIntyre
Ref. Fisheries
Improvement Cttee
- B:11 H R vander Wal "Pipeline surveying on the Dutch shelf".
Ref. Fisheries
Improvement Cttee
- B:12 J W Brouwer "Use of offshore platforms for other activities".
Ref. Fisheries
Improvement Cttee
- B:13 F Lous "Burial depth requirements and experience with pipeline burial on the Dutch continental shelf".
Ref. Fisheries
Improvement Cttee
- B:14 RWS North Sea "Disposal of chemicals used in offshore industry".
Directorate
Ref. Fisheries
Improvement Cttee
- B:15 Ministerie van "A short note on the Dutch legislation and short regulations of the interaction between the offshore oil and gas industry and the fisheries".
Ref. Fisheries
Improvement Cttee
Economische
Zaken, Directie
Mijnwezen, The
Hague
- B:16 S Malkiavichus "The main points of the method of calculation of pulse generators for electric fishing".
- B:17 V R Protasov "To the problem of complex influence and N A Treschova on fish of signals of various

Gear and Behaviour Cttee (ctd)

B:18	P J G Carrothers	"Concerning the International Standards Organization draft proposal for a standard method of test for determining mesh size using the ICES meter".
B:19	P J G Carrothers	"General Report of the Gear and Behaviour Working Group meetings, Hamburg, 18-22 April 1977".
B:20		"Concerning the Draft Manual by Dr A I Treschev (ed. by P J G Carrothers) on: "Application of the Fish Volume Method for Measuring Fishing Effort".
B:21	E Dahm, K Lange and R Steinberg	"Recent studies on rope trawls".
B:22	G Freytag and H Mohr	"Aimed trawling on oceanic red-fish (<u>Sebastes mentella</u> Travin) in the Irminger Sea".
B:23	H Bohl	"Selection of saithe by bottom trawl codends in Icelandic waters".
B:24	M Portier et J Prado	"Expérimentation et mesures sur un chalut pélagique et deux chaluts de fond".
B:25	A Verbaan	"Review of the Netherlands' investigations into a pelagic rope trawl".
B:26	J C Brabant et P Cousin	"Calculs des différentes longueurs dans un chalut à cordes".
B:27 Ref. Fisheries Improvement Cttee	R Fonteyne	"Some Belgian information on the interaction between the offshore gas/oil industries and the fishing industry".
B:28	J G de Wit	"Some Notes on Paper C.M.1977/B:18".
B:29		Withdrawn.
B:30	M P Sissenwine and E W Bowman	"Fishing power of two bottom trawls towed by research vessels off the north-east coast of the USA during day and night".
B:31 Ref. Fisheries Improvement Cttee	H D McDiarmid	"Navigation and position recording to avoid oil/gas seabed obstructions".
B:32 Ref. Fisheries Improvement Cttee	R S Aitken	"Fishing interference with submarine telephone cables in the southern North Sea".
B:33 Ref. Fisheries Improvement Cttee	D N MacLennan and E S Strange	"Fishing activities in the northern North Sea relevant to the safety of underwater pipelines".
B:34 Ref. Fisheries Improvement Cttee	J J Foster	"The performance of otter boards and other parts of fishing gear when in contact with the sea".

Gear and Behaviour Cttee (ctd)

B:35		Withdrawn.
B:36	G Hering	"Analysis of catching efficiency and fish behaviour by means of the sigma-function".
B:37	H Stengel	"Some considerations to the non-uniform motion of trawl systems".
B:38	A K Beltestad	"Selectivity experiments with topside chafers and round straps".
B:39	A K Beltestad	"Experiments with nets of hexagonal meshes in a purse seine".
B:40	L Karlsen	"Development and testing of rope and large meshed midwater trawls in Norway".
B:41 Ref. Fisheries Improvement Cttee	S Olsen and J W Valdemarsen	"Fish distribution studies around offshore installations".
B:42 Ref. Demersal Fish (N) Committee	J W Valdemarsen, A Fernø and A Johannessen	"Studies on the behaviour of some gadoid species in relation to traps".
B:43	I Huse and L Karlsen	"Further results of Norwegian long-line studies".
B:44	A Fernø, S Tilseth and P Solemdal	"The behaviour of whiting (<u>Gadus merlangus</u>) in relation to long lines".
B:45	S Tilseth and P Solemdal	"Methods for testing smell response in fish".

Reference Papers to the Gear and Behaviour Committee

E:7 Fisheries Improvement Committee	G Rauck	"The activities of offshore gas and oil industries on the German continental shelf and their interference with the fishery".
E:41 Fisheries Improvement Committee	A D Read and A D McIntyre	"National regulations and procedures in the United Kingdom relating to the co-existence of fisheries and offshore oil/gas operations".
E:59 Fisheries Improvement Committee	B Rasmussen	"Effects on fishing of debris left or dumped by the Norwegian oil and gas industry".
H:35 Pelagic Fish (N) Cttee.	O Nakken and A Dommasnes	"Acoustic estimates of the Barents Sea capelin stock 1971-76".
K:18 Shellfish and Benthos Committee	J F Caddy	"Some considerations underlying definitions of catchability and fishing effort in shellfish fisheries, and their relevance for stock assessment purposes".
K:24	A Charuau	"Comparaison des prises de la"

C - HYDROGRAPHY COMMITTEE

C:1	J C J Nihoul	"Three-dimensional model of tides and storm surges in a shallow well-mixed continental sea".
C:2 Ref. Fisheries Improvement and Plankton Cttees		"Report of the ICES Study Group on the Flushing Time of the North Sea (2-3 February 1977, Lowestoft)".
C:3 Ref. Fisheries Improvement and Plankton Cttees	G Weichart	"The pH in the waters of the German Bight as influenced by primary production and respiration and by acid TiO_2 wastes".
C:4 Ref. Fisheries Improvement Cttee		"Results of the Baltic Intercalibration Workshop, Kiel, March 1977".
C:5	K J Medler	"Residual drift regimes in the west central North Sea during JONSDAP 76".
C:6	J A Durance	"An estimate of Stokes' drift in the North Sea".
C:7	J W Ramster and A R Burgess	"Two aspects of moored current meter data recorded off the east coast of England".
C:8	J W Ramster	"Residual drift regimes off the northeast coast of England during 1976".
C:9	A R Folkard and B L Hampson	"Automated analysis of ammonia in seawater".
C:10 Ref. Fisheries Improvement Cttee	D Schmidt	"Use of aircraft remote sensing in marine chemistry and pollution research with particular reference to the dumping of TiO_2 waste solutions".
C:11	H W Hill and R R Dickson	"Preliminary analysis of deep-water movements in the eastern North Atlantic".
C:12	Jens Smed	"Introduction to the Hydrography Chapter of Annales Biologiques, Vol.33 (for 1976)".
C:13	ICES Hydrographer	"Activities of the ICES Service Hydrographique during 1976/77".
C:14	D J Lawrence and J W Ramster	"An evaluation of the use of stream function fitting in the interpretation of data collected from moored current meter networks".
C:15	S H Fonselius	"An inflow of unusually warm water into the Baltic deep basins".
C:16	W Matthäus	"General trends in the development of the oxygen regime in the deep water of the Baltic".

Hydrography Cttee (ctd)

C:17	D Nehring	"On the input of nutrients into the Baltic through the Belts and the Sound".
C:18	P C Smith	"Low frequency fluxes of momentum, heat, salt and nutrients at the edge of the Scotian Shelf".
C:19	ICES Hydrographer	"Catalogue of regularly issued marine environmental data products for the ICES area. 1977 issue".
C:20	A Walton and W D Jamieson	"The Canadian marine analytical chemistry standards program".
C:21	T Gytre	"Measurements of salinity with a new ultrasonic salinity sensor".
C:22	T Gytre	"The design and use of a profiling instrument for measuring and recording physical variables in the sea".
C:23	T Gytre and S Sundby	"A new instrument for simple observations of current speed and direction in the field".
C:24	H D Dooley	"The long-term transport of diurnally migrating plankton".
Ref. Plankton Cttee		
C:25	B Lundgren and N Højerslev	"Inherent and apparent optical properties of Icelandic waters. 'Bjarni Sæmundsson', Overflow 73".
C:26	F Schott	"The calculation of absolute currents from hydrographic data alone".
C:27	J Meincke	"Characteristics of low salinity intermediate waters around the Faroes".
C:28	ICES Hydrographer	"National ship codes of the ICES punch card system, as per August 1977".
C:29	J W Sherman III	"Review of 1978 satellite systems for oceanic applications".
C:30		Withdrawn.
C:31		Withdrawn.
C:32	J C Swallow, W J Gould and P M Saunders	"Evidence for a poleward eastern boundary current in the North Atlantic Ocean".
C:33	D Webb	"Analysis of some current meter observations in the Rockall Trough".
C:34	W J Gould	"Nimbus buoy tracks in the NE Atlantic".
C:35	P G Collar and R M Carson	"Laboratory and field experiments on surface buoys for current

Hydrography Cttee (ctd)

C:36	F E Dahl	"Variations in the Norwegian coastal current off Arendal during 1975 and 1976".
C:37	G A Becker and D P Kohnke	"Comments on long-term variations of sea-surface temperature in the European shelf seas".
C:38	G A Becker and K Huber	"Air-borne infrared radiometry in the German Bight".
C:39*	ICES Hydrographer	"ICES catalogue of computer programmes in physical and chemical oceanography. 1977 issue".
C:40	ICES Hydrographer	"Provisional programme of work for ICES Service Hydrographique 1977/78".
C:41*	U.S. NODC	"ROSCOP summary of U.S. cruises in the ICES area 1976".
C:42 Ref. Plankton Cttee	N K Højerslev	"Spectral daylight irradiance and light transmittance in natural waters measured by means of a Secchi Disc only".
C:43	H W Riepma	"Spatial variability of residual currents in an area of the southern North Sea".
C:44	A Shor, D Muller and D Johnson	"Transport of Norwegian Sea Overflow - Preliminary results of "Atlantis II" cruise 94, June-July 1977".
C:45	H Bullis Jr.	"Aerospace remote sensing: Potential and limitations as applied to fisheries problems".

Reference Papers to the Hydrography Committee

E:4 Fisheries Improvement Committee	D Stadler	"Chlorinated hydrocarbons in seawater of the German Bight and the Western Baltic".
E:8 Fisheries Improvement Committee		"Working Group on Pollution Baseline and Monitoring Studies in the Oslo Commission and ICNAF Areas, Sub-Group on Contaminant Levels in Sea Water, Report of 2nd Meeting, Hamburg, 19-21 April 1977".
E:16 Fisheries Improvement Committee	P G W Jones	"A preliminary report on the ICES intercalibration of seawater samples for the analysis of trace metals".
E:28 Fisheries Improvement Committee	H W Hill and J Pawlak	"Site selection criteria for dumping grounds".

* For the relevant

Hydrography Cttee (ctd)

Reference papers

- | | | |
|--|--|---|
| E:68
Fisheries Improvement
Committee | A J Lee,
R R Dickson
and A S Millner | "ICES Working Group on the Effects
on Fisheries of Marine Sand and
Gravel Extraction: Report of
Coordinators of material supplied
in response to C.Res.1976/4:14". |
| F:31
Demersal Fish (N)
Committee | O K Pálsson
and Sv Aa Malmberg | "Investigations on demersal
juvenile cod (age groups 0-IV)
in Icelandic waters in 1976". |
| H:19
Pelagic Fish (N)
Committee | Jens Smed | "Bottom temperature and salinity
in the North Sea during the ICES
Young Herring Survey in February
1977". |
| H:21
Pelagic Fish (N)
Committee | | "Report on Joint Soviet-Icelandic
investigations on the distribution
of pelagic fish and oceanographic
conditions in the Norwegian Sea
and waters adjacent to Iceland in
May-July 1977". |
| H:22
Pelagic Fish (N)
Committee | | "Report on the 0-Group Fish Survey
in Iceland and Greenland waters
in August 1977". |
| H:23
Pelagic Fish (N)
Committee | H Vilhjálmsón
and Sv Aa Malmberg | "Observations on capelin and hydro-
graphy off the northwest
peninsula of Iceland during the
winter 1977". |
| P:11
Baltic Fish Cttee | A Glowńska
and S Woźniak | "Influence of the hydrological
conditions on the Baltic
fisheries during 1974-76". |

D - STATISTICS COMMITTEE

D:1		Administrative Report.
D:2	M J Holden and T Williams	"Bias in a sampling programme".
D:3	T Williams	"Quantities of fish discarded at Sea by English and Welsh vessels in 1976".
D:4		"Report of the Working Group on the Eventual Establishment of an ICES ADP System for Fishery Statistics, Charlottenlund, 8-11 February 1977".
D:5	ICES Statistician	"Progress Report".
D:6	V Nikolaev	"ICES three alpha code for species items".
D:7	V Nikolaev	"Proposals on new format of Table 7 of Bulletin Statistique".
D:8	E Lahn-Johannessen	"Sampling of the industrial fisheries in Norway".
D:9*	CWP	"Report of the Ninth Session of CWP, Dartmouth, 17-23 August 1977".
D:10	ICES Statistician	"Splitting of ICES statistical Sub-area IX".
D:11	A Ropelewski	"Information on the system used for collecting and processing statistical information regarding the Polish sea fishery".

Reference Paper to the Statistics Committee

F:43
Demersal Fish (N)
Committee

P Sparre,
H Knudsen
and S Munch-
Petersen

"Optimization of sampling programs
for estimation of age distribution
and average fishing mortality".

* For the relevant
Committee only.

E - FISHERIES IMPROVEMENT COMMITTEE

E:1		Administrative Report.
E:2		"ICES <u>ad hoc</u> meeting of specialists in the field of pollutants in sediments, 31 August - 2 September 1976, Texel, Netherlands".
E:3		"Report on the meeting of the ICES/SCOR Working Group on the Study of Pollution of the Baltic".
E:4	D Stadler	"Chlorinated hydrocarbons in seawater of the German Bight and the Western Baltic".
Ref. Hydrography Committee		
E:5	G van de Kamp	"Vertebral deformities of herring around the British Isles and their usefulness for a pollution monitoring programme".
E:6		"Papers of interest to the Fisheries Improvement Committee, published 1976".
E:7	G Rauck	"The activities of offshore gas and oil industries on the German continental shelf and their interference with the fishery".
Ref. Gear and Behaviour Cttee		
E:8		"Working Group on Pollution Baseline and Monitoring Studies in the Oslo Commission and ICNAF Areas, Sub-Group on Contaminant Levels in Sea Water, Report of 2nd meeting, Hamburg, 19-21 April 1977".
Ref. Hydrography Committee		
E:9	E Somer	"Heavy metals in the Baltic".
E:10		"Third Report of the Working Group on Pollution Baseline and Monitoring Studies in the Oslo Commission and ICNAF Areas, Charlottenlund, 25-27 May 1977".
E:11	D J Wildish, A J Wilson and H Akagi	"Avoidance by herring of suspended sediment from dredge spoil dumping".
E:12	V Dethlefsen	"Uptake, retention and loss of cadmium by <u>Crangon crangon</u> ".
Ref. Shellfish and Benthos Cttee		
E:13	C J Sindermann and F W Steimle	"Oxygen depletion and mass mortalities of shellfish in the Middle Atlantic Bight of the United States in 1976".
Ref. Shellfish and Benthos Cttee		
E:14	C J Sindermann	"Recent data on possible associations of coastal/estuarine pollution with fish and shellfish diseases".
Ref. Shellfish and Benthos Cttee		
E:15	C J Sindermann	"A synopsis of diseases and disease control measures in United States marine aquaculture".
E:16	P G W Jones	"A preliminary report on the ICES inter-calibration of seawater samples for the analysis of trace metals".
Ref. Hydrography Committee		
E:17	R J Pentreath	"The accumulation of arsenic by the plaice and thornback ray: some preliminary observations".

Fisheries Improvement Cttee (ctd)

- E:18 R van Thielen and H Grave "Krill, Euphausia superba, and blue mussel, Mytilus edulis, as supplementary food in aquaculture experiments".
- E:19 H Grave "Spherical net cages - A pilot mariculture experiment in thermal effluents".
- E:20 H Möller "Distribution of some parasites and diseases of fishes in the North Sea in February, 1977".
- E:21 P Johansen, V B Jensen and A Büchert "Hydrocarbons in marine organisms and sediments off West Greenland".
- E:22 H Koops, K Tiewes, J Gropp and H Beck "Replacement of fishmeal by krillmeal in experimental diets for rainbow trout".
- E:23
Ref. Shellfish and Benthos, and Anacat Cttees "Report of the third meeting of the ICES Working Group on Mariculture".
- E:24 J B Sochasky, R L Saunders and E B Henderson "Use of a water recycle system for culture of salmonids".
- E:25 J M Bowers and P A Yeats "Trace metal discharges to the North Atlantic from the St. Lawrence River".
- E:26 J A Percy "Effects of oil on Arctic marine organisms: a review of studies conducted by the Arctic Biological Station".
- E:27 G Otte, V Hilge and H Rosenthal "Effect of ozone on yellow substances accumulated in a recycling system for fish culture".
- E:28
Ref. Hydrography Committee H W Hill and J Pawlak "Site selection criteria for dumping grounds".
- E:29 P A Ayres "A major outbreak of food poisoning associated with the consumption of cockles (Cardium edule)".
- E:30 A Franklin "The introduction of non-indigenous marine organisms to the ICES area - Progress report for the United Kingdom".
- E:31 R J Law "Investigations made during the EKOFISK blow-out".
- E:32 J Person-Le Ruyet et A Salaun "Etude comparative des possibilités d'élevage larvaire de quelques poissons marins avec une souche d'oeufs d'Artemia salina de Chypre".
- E:33 J B Pearce "Information on production of marine sand and gravel in the ICNAF areas off the northeast coast of the United States".
- E:34 "Report to the Working Group on Pollution Baseline and Monitoring Studies in the Oslo Commission and ICNAF Areas on heavy metals in selected finfish and shellfish from the North Atlantic".

Fisheries Improvement Cttee (ctd)

- E:35 I M Davies "Further observations of the atmospheric deposition of some heavy metals around the Firth of Forth".
- E:36 J M Pirie and I M Davies "The use of the mussel, Mytilus edulis, as a bio-assay organism for mercury in sea water".
- E:37 W C Graham "Processes affecting electroanalytical studies of copper in sea water".
- E:38 R J Shepherd and G Topping "Arsenic in fish and shellfish from Scottish waters".
- E:39 G Topping and W C Graham "Some observations on the mercury content of the North Atlantic halibut (Hippoglossus hippoglossus)".
- E:40 A D McIntyre "Proposal for a Workshop on the problems of monitoring the biological effects of marine pollution".
- E:41 A D Read and A D McIntyre "National regulations and procedures in the United Kingdom relating to the co-existence of fisheries and offshore oil/gas operations".
- Ref. Gear and Behaviour Cttee
- E:42 J M Davies and A D McIntyre "The use of sediment traps in marine pollution studies".
- E:43 M S Mounib and J S Eisan "Effects of exposing berried female lobster (Homarus americanus) to cadmium on carbon dioxide fixing enzymes of their developing eggs close to hatching".
- E:44 M S Mounib and J S Eisan "In vitro effects of cadmium on the relative activities of some dehydrogenases and aminotransferases in the mitochondria and cytosol of Atlantic cod (Gadus morhua) and white New Zealand rabbit (Oryctolagus cuniculus) testes".
- E:45 D E Aiken and V Zitko "Effect of Iranian crude oil on lobsters Homarus americanus held in floating crates".
- E:46 C E Nash "Ocean ranching and fisheries management".
- E:47 A Schur, J C van Olst, J Carlberg and R A Shleser "Engineering design and water management systems for the production of the American lobster Homarus americanus".
- Ref. Shellfish and Benthos Cttee
- E:48 R S Millner, R R Dickson and M S Rolfe "Physical and biological studies of a dredging ground off the east coast of England".
- E:49 G D Pickett "Artificial collection of pectinid spat: preliminary experiments in Start Bay, South-West England, 1975-77".
- Ref. Shellfish and Benthos Cttee
- E:50 R L Saunders, U H M Fagerlund, J R McBride and E B Henderson "17 α - methylestosterone: a potential anabolic hormone in Atlantic salmon culture".

Fisheries Improvement Cttee (ctd)

- E:51 K J Whittle, "Further studies on hydrocarbons in the
P R Mackie, North Sea".
R Hardy and
A D McIntyre
- E:52 A D McIntyre, "Field and experimental observations in
J M Davies, relation to the EKOFISK oil blow-out".
L Massey,
R Hardy,
K J Whittle and
P R Mackie
- E:53 B Luckas, "On the contamination of cod livers with
Ref. Baltic Fish M Berner and chlorinated hydrocarbons in the Baltic
Committee H Pscheidl in 1976/77".
- E:54 K Pedersen "Mercury in the Sound".
and B Larsen
- E:55 "The EKOFISK BRAVO blow out. Compiled
Ref. Shellfish and Benthos Cttee Norwegian contributions".
- E:56 D O'Sullivan "A comparison of heavy metal levels in sea-
weeds and shellfish from areas of the
Irish coast".
- E:57 D G Wright "Hydrocarbon exploration and the marine
environment in the Canadian Arctic -
A regulatory approach".
- E:58 K Sherman (Ed.) "The Argo Merchant oil spill and fishery
resources of Nantucket shoals. - A
preliminary assessment of impact".
- E:59 B Rasmussen "Effects on fishing of debris left or
Ref. Gear and dumped by the Norwegian oil and gas
Behaviour Cttee industry".
- E:60 G Nævdal, "Individual growth rate and age at first
Ref. Anacat Cttee M Holm, R Lerøy sexual maturity in Atlantic salmon".
and D Møller
- E:61 S Knutsson "An experiment with migrating smolt of
Ref. Anacat Cttee Atlantic salmon (Salmo salar)".
- E:62 J H Ryther "A pilot scale waste recycling mariculture
Ref. Shellfish and Benthos and Anacat system".
Committees
- E:63 D A Delistraty, "Ammonia toxicity in cultured larvae of
Ref. Shellfish and J M Carlberg, the American lobster (Homarus americanus)".
Benthos and Anacat J C van Olst
Committees and R F Ford
- E:64 J L Hyland and "Petroleum hydrocarbons and their effects
E D Schneider on marine organisms, populations
communities and ecosystems".
- E:65 J B Pearce "A report on a new environmental assessment
and monitoring program, OCEANPULSE".
- E:66 G B Sangalang "The use of radioimmunoassay in sexing
and H C Freeman fish".
- E:67 H C Freeman "The effects of a polychlorinated biphenyl
and G B Sangalang (Aroclor 1254) contaminated diet on
steroidogenesis and reproduction in the
Atlantic cod (Gadus morhua)".

Fisheries Improvement Cttee (ctd)

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| E:68
Ref. Hydrography,
Demersal (N) and
Pelagic (N) and
Shellfish & Benthos
Committees | A J Lee,
R R Dickson
and A S Millner | "ICES Working Group on the Effects on
Fisheries of Marine Sand and Gravel
Extraction: Report of Coordinators
of material supplied in response to
C.Res.1976/4:14". |
| E:69
Ref. Plankton Cttee | J H vander
Meulen and
R W Lee | "Absence of mutagenicity due to crude
and refined oils in the alga,
<u>Chlamydomonas reinhardtii</u> ". |
| E:70
Ref. Plankton Cttee | J H vander
Meulen and
T C Hemsworth | "Altered grazing patterns in a copepod
alga ecosystem by low level
naphtalene exposure". |
| E:71 | | "The potential of remote sensing in
the global investigation of pollution
in the marine environment". |
| E:72 | | "Proposed arrangement of a Workshop on
the role of Sediments in the Retention
and Cycling of Pollutants". |

Reference Papers for the Fisheries Improvement Committee

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|---|---|--|
| B:5
Gear and Behaviour
Committee | T Carstens | "Bottom trawling across sea pipelines". |
| B:8
Gear and Behaviour
Committee | S J de Groot | "The relation between beam trawling and
submarine pipelines and possible
adaptations of the fishing gear to
reduce impact forces". |
| B:9
Gear and Behaviour
Committee | S J de Groot | "Dutch fishing activities in the North Sea
and adjacent waters relevant to the
safety of underwater pipelines". |
| B:10
Gear and Behaviour
Committee | S J de Groot
and A D McIntyre | "Literature references relevant to
the interaction between the fishing
industry and the offshore gas/oil
industries". |
| B:11
Gear and Behaviour
Committee | H R vander Wal | "Pipeline surveying on the Dutch shelf". |
| B:12
Gear and Behaviour
Committee | J W Brouwer | "Use of offshore platforms for other
activities". |
| B:13
Gear and Behaviour
Committee | F Lous | "Burial depth requirements and experience
with pipeline burial on the Dutch con-
tinental shelf". |
| B:14
Gear and Behaviour
Committee | RWS North Sea
Directorate | "Disposal of chemicals used in offshore
industry". |
| B:15
Gear and Behaviour
Committee | Ministerie van
Economische
Zaken, Directie
Mijnwizen, The
Hague | "A short note on the Dutch legislation
and short regulations of the inter-
action between the offshore oil and
gas industry and the fisheries". |
| B:27
Gear and Behaviour
Committee | R Fonteyne | "Some Belgian information on the inter-
action between the offshore gas/oil
industries and the fishing industry". |
| B:31
Gear and Behaviour | H D McDiarmid | "Navigation and position recording to
avoid oil/gas seabed obstructions". |

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Reference papers

B:32 Gear and Behaviour Committee	R S Aitken	"Fishing interference with submarine telephone cables in the southern North Sea".
B:33 Gear and Behaviour Committee	D N MacLennan and E S Strange	"Fishing activities in the northern North Sea relevant to the safety of underwater pipelines".
B:34 Gear and Behaviour Committee	J J Foster	"The performance of otter boards and other parts of fishing gear when in contact with the sea".
B:41 Gear and Behaviour Committee	S Olsen and J W Valdemarsen	"Fish distribution studies around offshore installations".
C:2 Hydrography Cttee		"Report of the ICES Study Group on the Flushing Time of the North Sea (2-3 February 1977, Lowestoft)".
C:3 Hydrography Cttee	G Weichart	"The pH in the waters of the German Bight as influenced by primary production and respiration and by acid TiO ₂ wastes".
C:4 Hydrography Cttee		"Results of the Baltic Intercalibration Workshop, Kiel, March 1977".
C:10 Hydrography Cttee	D Schmidt	"Use of aircraft remote sensing in marine chemistry and pollution research with par- ticular reference to the dumping of TiO ₂ waste solutions".
J:13 Pelagic Fish (S) Committee	S J Lockwood, J H Nichols and S H Coombs	"The development rates of mackerel (<u>Scomber scombrus</u> L.) eggs over a range of temperatures".
K:7 Shellfish and Benthos Committee		"Réunion du Groupe de Travail du CIEM sur la Pathologie des Mollusques et Crustacés, Nantes, 18-20 janvier 1977".
K:26 Shellfish and Benthos Committee	C Auger, G Tigé, H Grizel, A Langlade et M A Rabouin	"Etude comparée de la croissance de <u>Crassostrea gigas</u> Thunberg dans trois rivières du Morbi- han".
L:8 Plankton Cttee	M Heral	"Utilisation des dosages d'adénosine triphosphate (A.T.P.) dans l'estimation des pertes de matières vivantes au cours du transit dans les condenseurs de centrale thermique".
L:25 Plankton Cttee	O A Roels, S Laurence, M W Farmer and L van Hemmelryck	"Organic production potential of artificial upwelling marine culture".
L:32 Plankton Cttee	B Ottway, M Parker, D McGrath and M Crowley	"Mortalities of littoral and sub-littoral organisms associated with an algal bloom on the south coast of Ireland, summer 1976".
M:9 Anacat Committee	R Bartel	"Variability of sea trout returns as shown from many years' tagging experiments with hatchery-reared parr and smolts".

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Reference papers

- | | | |
|------------------------------------|---|--|
| M:11
Anacat Committee | M Szymelfenig | "Influence of different sea water salinities on rainbow trout (<u>Salmo gairdneri</u> Rick. 1836) and sea trout (<u>Salmo trutta trutta</u> L. 1758) spermatozoons and eggs". |
| M:12
Anacat Committee | R Bartel | "Variability of sea trout returns as shown from many years tagging experiments with hatchery-reared smolts". |
| M:23
Anacat Committee | R J Gibson | "Behavioural interactions between juvenile coho salmon (<u>Oncorhynchus kisutch</u>), and juvenile Atlantic salmon (<u>Salmo salar</u>) and brook trout (<u>Salvelinus fontinalis</u>)". |
| M:27
Anacat Committee | J A Ritter | "Relationship between smolt size and tag return rate for hatchery-reared Atlantic salmon (<u>Salmo salar</u>)". |
| M:28
Anacat Committee | A Foda
and J A Ritter | "Effect of diet on rate of return of hatchery-reared Atlantic salmon (<u>Salmo salar</u>) smolts". |
| M:29
Anacat Committee | C Frantsi,
J A Ritter and
P F Elson | "Effect of Corynebacterial kidney disease on ocean survival and return of Atlantic salmon (<u>Salmo salar</u>)". |
| M:41
Anacat Committee | N Johansson
and O Ljungberg | "Ulcerative dermal necrosis (UDN) in Swedish salmon rivers". |
| M:43 | P O Larsson | "Size-dependent mortality in salmon smolt plantings". |
| M:44
Anacat Committee | H O Larsson | "The influence of predation after release on the result of salmon smolt plantings". |
| N:2
Marine Mammals
Committee | M Kerkhoff
and J de Boer | "Organochlorine residues in a harbour porpoise (<u>Phocoena phocoena</u>) found dead in the Dutch Wadden Sea in 1971". |
| N:5
Marine Mammals
Committee | U Harms,
H E Drescher and
E Huschenbeth | "Data on heavy metals and organochlorines in marine mammals from German coastal waters". |

F - DEMERSAL FISH (NORTHERN) COMMITTEE

- F:1 Administrative Report.
- F:2 "Report of the Working Group on Fish Stocks at the Faroes, Charlottenlund, 7-11 February 1977".
- F:2/APPENDIX "Review of Fish Resources in the NEAFC Convention Area".
- F:3 "Report of the Saithe (Coalfish) Working Group, Charlottenlund, 14-18 February 1977".
- F:3/APPENDIX "Review of Saithe, Pollack, Dogfishes and Sharks within the NEAFC Convention Area".
- F:4 "Report of the Working Group on Greenland Halibut in Region 1, Charlottenlund, 7-11 March 1977".
- F:4/APPENDIX "Review of some Fish Stocks within the NEAFC Convention Area".
- F:5 "Report of the North Sea Flatfish Working Group, Charlottenlund, 8-23 February 1977".
- F:5/APPENDIX "Review of some Fish Resources within the NEAFC Convention Area".
- F:6 "Report of the North-East Arctic Fisheries Working Group, Charlottenlund, 14-18 March 1977".
- F:6/APPENDIX "Review on the Distribution in relation to Zones of extended Fisheries Jurisdiction of the following Species: Cod, Haddock, Polar Cod, Halibut, Plaice, Common Dab, Long Rough Dab, Catfish and Lumpsucker".
- F:7 "Report of the Working Group on Norway Pout and Sandeels in the North Sea, Charlottenlund, 28 February - 4 March 1977".
- F:7/APPENDIX "Review of Norway Pout and Sandeel within the NEAFC Convention Area".
- F:8 "Report of the North Sea Roundfish Working Group, Charlottenlund, 21-25 March 1977".
- F:8/APPENDIX "Review of some Fish Resources within the NEAFC Convention Area".
- F:9 M L Zaferman and A M Sonina "Abundance and biological characteristics of beaked redfish Sebastes mentella Travin in the Bear-Spitsbergen area".
- F:10 "Publications relative to the interests of the Demersal Fish (Northern) Committee".

Demersal Fish (Northern) Cttee (ctd)

F:11	N Daan, J R G Hislop, M J Holden, W G Parnell and J Lahn- Johannessen	"The results of the international 0-group gadoid survey in the North Sea, 1977".
F:12		"Review by the Working Group on Redfish in Region 1 on some Fish Resources within the NEAFC Area".
F:13	A S Malkov and N M Timoshenko	"The results of 0-group haddock and whiting investigations in the North Sea, 1973-76".
F:14	B D Kudrin, V P Ponomarenko and A I Mukhin	"Results of detection and fishery of beaked redfish (<u>Sebastes mentella</u> Travin) in the East Greenland area in 1975-76".
F:15	I Ya. Ponomarenko	"Influence of wintering temperature conditions on the survival of young cod and haddock in the Barents Sea".
F:16	V V Dimitrova	"Fecundity of long rough dab of the Barents Sea".
F:17	J M Last	"The food of four species of Pleuro- nectiform larvae in the eastern English Channel and southern North Sea".
F:18	G Rauck	"Two German plaice tagging experi- ments (1970) in the North Sea".
F:19		"Report of the Gadoid I-Group Working Group".
F:20 Ref. Demersal Fish (S) Cttee	D J Garrod, J G Pope and B Knights	"The ICES Stock Evaluation Course. An experiment with replicate assessments".
F:21 Ref. Plankton Committee	D Harding and J H Nichols	"Preliminary observations on the distribution, abundance, survival and drift of eggs and larval stages of cod and plaice in the west central North Sea in 1976".
F:22	T Jakobsen and S H i Jákupsstovu	"Laboratory experiments with internal tagging of saithe".
F:23	J Dalen, A Hysten and O M Smedstad	"Investigations on demersal fish in the Barents Sea in winter 1977".
F:24 Ref. Pelagic Fish (N) Committee	B C Bedford	"Further development of the technique of preparing thin sections of otoliths set in black polyester resin".
F:25	J D Riley	"On the evaluation of the English east coast 0-group flatfish year class measurements 1973-76".
F:26 Ref. Pelagic Fish (N) Committee	K Brander	"The assessment of Irish Sea and Bristol Channel fisheries".

Demersal Fish (Northern) Cttee (ctd)

F:27 Ref. Pelagic Fish (N) and Marine Mammals Committees	J G Shepherd	"The sensitivity of populations to environmental noise, and the implications for management".
F:28	A Sigurdsson	"On the spawning grounds of Greenland halibut in Icelandic waters".
F:29	M J Holden	"The International North Sea 0-Group Gadoid Surveys: the methodology used and evaluation of the results".
F:30	V M Nikolaev	"Cod stocks in 1976 - Introduction to Annales Biologiques, Vol.33 (for 1976)".
F:31 Ref. Hydrography Committee	O K Pálsson and Sv Aa Malmberg	"Investigations on demersal juvenile cod (age groups 0-IV) in Icelandic waters in 1976".
F:32	W H Marshall	"An analysis of factors influencing catch rates of juvenile roundfish from North Sea Young Herring Surveys".
F:33 Ref. Pelagic Fish (N) Cttee	D F Gray	"An iterative derivation of fishing and natural mortality from catch and effort data giving measurements of goodness of fit".
F:34 Ref. Pelagic Fish (N) Cttee	P F Lett	"The importance of population energetics, recruitment, species interaction, and environmental fluctuations in the simultaneous management of Gulf of St. Lawrence cod and northwestern Atlantic mackerel".
F:35	R C Minton	"Species interaction between gadoid larvae".
F:36	R Jones	"Some inter-relations between North Sea fish species".
F:37	J Richards	"Abundance, growth and yield per recruit in the North Sea Norway pout".
F:38	D W Armstrong	"A proposed subdivision of the North Sea for biological sampling purposes".
F:39	S A Schopka and H H Reinsch	"Estimates of natural mortality for the Icelandic stock of saithe".
F:40	R De Clerck	"The migration of plaice on the spawning grounds 'Noord-Hinder'".
F:41	R De Clerck	"Belgian tagging results of plaice in the Irish Sea".
F:42 Ref. Pelagic Fish (N) Cttee	E Ursin	"Multispecies fish stock assessment for the North Sea 1960-79".
F:43 Ref. Statistics Committee	P Sparre, H Knudsen and S Munch-	"Optimization of sampling programs for estimation of age distribution and average fishing mortality".

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- | | | |
|--|---|--|
| F:44
Ref. Pelagic Fish
(N) Cttee | | "Preliminary report on the international O-group fish surveys in Faroe waters 1976". |
| F:45 | P Geistdoerfer | "Contribution à la biologie de <u>Coryphaenoides rupestri</u> . Répartition et reproduction dans l'Atlantique nord est". |
| F:46 | J G Pope | "Note on the problem of the capture of immature gadoids in the North Sea". |
| F:47 | J V Magnússon | "Notes on the eggs and larvae of Greenland halibut at Iceland". |
| F:48 | J V Magnússon
and J Magnússon | "On the distinction between larvae of <u>Sebastes marinus</u> and <u>S. mentella</u> . Preliminary report". |
| F:49 | J V Magnússon | "Some notes on the spawning habits of <u>Macrurus</u> at Iceland". |
| F:50 | B E Brown,
M Parrack, W Cain
and P Lanham | "A virtual population analysis of the Georges Bank yellowtail flounder stock". |
| F:51 | K Hoydal | "A method of mesh assessment making it possible to check growth parameters and evaluate effective mesh size in operation". |

Reference Papers to the Demersal Fish (Northern) Committee

- | | | |
|--|--|--|
| B:42
Gear and Behaviour
Committee | J W Valdemarsen,
A Fernø and
A Johannessen | "Studies on the behaviour of some gadoid species in relation to traps". |
| E:68
Fisheries Improve-
ment Committee | A J Lee,
R R Dickson and
A S Millner | "ICES Working Group on the Effects on Fisheries of Marine Sand and Gravel Extraction: Report of Coordinators of material supplied in response to C.Res.1976/4:14". |
| G:3
Demersal Fish (S)
Committee | | "Rapport du Groupe de Travail sur le Merlu, Nantes, 30 novembre - 3 décembre 1976". |
| G:3/APPENDIX
Demersal Fish (S)
Committee | | "Résumé des connaissances sur le merlu (<u>Merluccius merluccius</u>)". |
| G:9
Demersal Fish (S)
Committee | A Fernández,
S Iglesias,
F J Pereiro and
J M García | "On the hake population dynamics from Galicia (NW Spain) with a preliminary assessment". |
| G:11
Demersal Fish (S)
Committee | R Guichet | "Observations françaises sur les nurseries du merlu du golfe de Gascogne au nord-ouest de l'Irlande. Essai de synthèse". |

Demersal Fish (Northern) Cttee (ctd.)

Reference papers

- | | | |
|---------------------------------------|---|---|
| H:10
Pelagic Fish (N)
Committee | H O Boysen,
U Damm and
G Hempel | "Distribution and abundance of fish in the North Sea in February 1977 as compared with earlier winter surveys". |
| H:21
Pelagic Fish (N)
Committee | | "Report on Joint Soviet-Icelandic investigations on the distribution of pelagic fish and oceanographic conditions in the Norwegian Sea and waters adjacent to Iceland in May-July 1977". |
| H:22
Pelagic Fish (N)
Committee | | "Reports on the O-group fish survey in Iceland and Greenland waters in August 1977". |
| H:43
Pelagic Fish (N)
Committee | J Magnússon | "Pelagic redfish in the Irminger Sea. Distribution and abundance". |
| L:28
Plankton Committee | K Sherman,
R Maurer,
R Byron and
D Bearse | "Relationship between larval fish communities and zooplankton prey species in and offshore spawning ground". |
| L:29
Plankton Committee | L Buckley | "Biochemical changes during ontogenesis of winter flounder (<u>Pseudopleuronectes americanus</u>) and the effect of starvation". |
| L:31
Plankton Committee | G C Laurence | "Comparative growth, respiration and delayed feeding abilities of larval cod (<u>Gadus morhua</u>) and haddock (<u>Melanogrammus aeglefinus</u>) as influenced by temperature during laboratory studies". |
| L:33
Plankton Committee | B Ellertsen,
E Moksness,
P Solemdal,
T Strømme,
S Tilseth,
T Westgård and
V Øiestad | "Vertical distribution and feeding of cod larvae in relation to occurrence and size of prey organisms". |

G - COMITÉ DES POISSONS DE FOND (SUD)

- G:1 Administrative Report.
- G:2 "Bibliographie des publications produites en 1976 intéressant les membres du Comité des Poissons de Fond (Sud)".
- G:3
Ref. Cté des Poissons de Fond (Nord) "Rapport du Groupe de Travail sur le Merlu, Nantes, 30 novembre - 3 décembre 1976".
- G:3/APPENDIX
Réf. Cté des Poissons de Fond (Nord) "Résumé des connaissances sur le merlu (Merluccius merluccius)".
- G:4 S Cárdenas "Occurrence of Solea senegalensis Kaup 1858 (Pisces, Heterosomata), on the SW coast of Spain".
- G:5 A Arias "Régime alimentaire du loup, Dicentrarchus labrax L., dans les 'esteros' des salines de Cadix (S. de l'Espagne)".
- G:6 Withdrawn.
- G:7 J R Fuertes "Age, growth and mortality of Lepidorhombus boscii (Risso) off the Galician coast, NW Spain".
- G:8 Withdrawn.
- G:9 A Fernández,
Ref. Demersal Fish S Iglesias,
(N) Committee F J Pereiro and
J M García "On the hake population dynamics from Galicia (NW Spain) with a preliminary assessment".
- G:10 J Guéguen "Données préliminaires sur la croissance de la dorade grise Spondylionoma cantharus (Linne 1758)".
- G:11 R Guichet "Observations françaises sur les nurseries du merlu du golfe de Gascogne au nord-ouest de l'Irlande. Essai de synthèse".
- G:12 J Bravo de-
Laguna,
M A R Fernández
and J C Santana "Discardings of Sparids in the bottom trawl fishery off Northwest Africa".
- G:13 J Bravo de-Laguna,
M A R Fernández
and J C Santana "Length distributions of the fishes discarded in the bottom trawl fishery off Northwest Africa".

Communications ayant référence au Comité des poissons de fond (sud)

- H:9 D Sahrhage "Investigations on Blue Whiting (Micromesistius poutassou) in the Shetland-Faroe Iceland area during May-June 1977".
Pelagic Fish (N)
Committee
- H:14 R Schöne "Investigations on Blue Whiting (Micromesistius poutassou) in the Faroe area, the west coast of the British Isles and the Bay of Biscay during January 1977".
Pelagic Fish (N)
Committee

Comité des poissons de Fond (sud) (suite)

Communications de référence

H:28 Pelagic Fish (N) Committee	S H Coombs	"The development of eggs and early larvae of the blue whiting <u>Micromesistius poutassou</u> (Risso)".
F:20 Demersal Fish (N) Committee	D J Garrod, J G Pope and B Knights	"The ICES Stock Evaluation Course. An experiment with replicate assessments".

H - PELAGIC FISH (NORTHERN) COMMITTEE

- H:1 Administrative Report.
- H:2 "Report of the Mackerel Working Group,
Ref. Pelagic Fish 24 February - 3 March 1977, Char-
(S) Committee lottenlund".
- H:2/APPENDIX "Provisional information and data for
Ref. Pelagic Fish allocation of resources under the
(S) Committee new extended national fisheries
jurisdiction regime".
- H:3 "Report of the Herring Assessment
Working Group for the Area South of
62°N, Charlottenlund, 9-18 March
1977".
- H:3/APPENDIX "Review on the distribution in relation
to zones of extended fisheries juris-
diction of the following species:
North Sea herring, Celtic Sea herring,
Division VIa herring, Irish Sea herring,
North Sea sprat, Skagerrak, Kattegat
and Norwegian Fjord sprat, Herring in
Division IIIa Skagerrak and Blue
whiting (Micromesistius poutassou)".
- H:4 "Report of the Atlanto-Scandian
Herring Working Group, Bergen,
Norway, 18-22 April 1977".
- H:4/APPENDIX "Provisional information and data for
allocation of resources under the new
extended national fisheries juris-
diction regime: capelin, Icelandic
stock of capelin, Norwegian spring
spawning herring, Icelandic spring
spawning herring and Icelandic summer
spawning herring".
- H:5 V S Zenkin and A F Lysenko "Determination of population specifi-
city of the North Sea young herring
based on genetic-biochemical
morphological analyses".
- H:6 A S Galkin and N G Ushakov "Capelin investigations in the Barents
Sea for 1971-76".
- H:7 A V Gaevskaya "Parasitofauna of Baltic herring
(Clupea harengus membras) from the
southeast Baltic Sea".
- H:8 E I Seliverstova "The relationship between the growth
and maturity rates of Atlanto-
Scandian herring and the structure of
their year classes".
- H:9 D Sahrhage "Investigations on Blue Whiting
Ref. Demersal Fish (Micromesistius poutassou) in the
(S) Committee Shetland-Faroe Iceland area during
May-June 1977".
- H:10 H O Boysen, U Damm and G Hempel "Distribution and abundance of
Ref. Demersal Fish fish in the North Sea in February 1977
(N) Committee as compared with earlier winter
surveys".

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H:11		"Report of the Working Group on North Sea Young Herring Surveys".
H:12	A Corten	"Report on the ICES Young Herring Survey in the North Sea in 1977".
H:13		"Publications of interest to the Pelagic Fish (Northern) Committee". (See also C.M.1977/H:15).
H:14	R Schöne	"Investigations on Blue Whiting (<u>Micromesistius poutassou</u>) in the Faroe area, the west coast of the British Isles and the Bay of Biscay during January 1977".
Ref. Demersal Fish (S) Committee		
H:15		"Bibliography of papers published by members of the Pelagic Fish (N) Committee in 1976 or relevant to the interest of that Committee". (See also C.M.1977/H:13).
H:16	J Molloy and K Bhatnagar	"Preliminary investigations on Irish sprat stocks".
H:17	S A Iversen	"Spawning, egg production and stock size of mackerel (<u>Scomber scombrus</u> L.) in the North Sea 1968-1975".
Ref. Pelagic Fish (S) Committee		
H:18	V Nikolaev	"Herring stocks in 1976 - Introduction to Annales Biologiques, Vol.33 (for 1976)".
H:19	Jens Smed	"Bottom temperature and salinity in the North Sea during the ICES Young Herring Survey in February 1977".
Ref. Hydrography Committee		
H:20	T Gytre and H í Jákupsstovu	"Detection of internally tagged fish with special application to the Atlanto-Scandian herring".
H:21		"Report on Joint Soviet-Icelandic Investigations on the distribution of pelagic fish and oceanographic conditions in the Norwegian Sea and waters adjacent to Iceland in May-July 1977".
Ref. Hydrography, Demersal Fish (N) and Plankton Cttees		
H:22		"Report on the 0-group fish survey in Iceland and Greenland waters in August 1977".
Ref. Hydrography and Demersal Fish (N) Committees		
H:23	H Vilhjálmsón and Sv Aa Malmberg	"Observations on capelin and hydrography off the northwest peninsula of Iceland during the winter 1977".
Ref. Hydrography Committee		
H:24	H Vilhjálmsón	"On the biology of the Icelandic capelin".
H:25	S N Messieh	"The regularity of spawning time of Atlantic herring in the Gulf of St. Lawrence".
H:26	E Bakken, H Børke and M H D Afonso	"The spawning period for mackerel in the North Sea".
H:27	K Siudziński	"Spatial distribution of herring (<u>Clupea harengus</u> L.) larvae in the North Sea in 1976".

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H:28 Ref. Demersal Fish (S) Committee	S H Coombs	"The development of eggs and early larvae of the blue whiting, <u>Micromesistius poutassou</u> (Risso)".
H:29	M Walsh	"Adolescent mackerel in the North Sea International Young Herring Surveys of 1975 and 1976".
H:30	A Saville and D W McKay	"Report on the International Surveys of Herring Larvae in the North Sea and adjacent waters in 1975/76 and 1976/77".
H:31	D W McKay	"The distribution and abundance of herring larvae to the west of Scotland in 1976".
H:32	R S Bailey and R K Pipe	"Preliminary observations on the maturation cycle and fecundity of sprats in the north-western North Sea".
H:33	J Richards	"Preliminary results of the 1977 blue whiting surveys to the west of Scotland".
H:34	M Walsh	"The stock composition of the Minch mackerel fisheries 1974-76".
H:35 Ref. Gear and Behaviour Cttee	O Nakken and A Dommasnes	"Acoustic estimates of the Barents Sea capelin stock 1971-76".
H:36	A Dommasnes	"The Norwegian research programme on the Barents Sea capelin stock".
H:37	J Hamre	"On the interpretation of the central zone in otoliths of capelin from the Barents Sea".
H:38 Ref. Pelagic Fish (S) Committee	D Kästner	"Preliminary results of the occurrence of two mackerel groups (<u>Scomber scombrus</u> L.) with different growth patterns west of Britain".
H:39	T Monstad and J Gjøsæter	"Growth of the Barents Sea capelin of the year classes 1967-70".
H:40	E D Anderson	"Assessment of the Northwest Atlantic mackerel stock".
H:41		"Report of the Danish-Swedish Study Group on the Herring in Kattegat".
H:42	J Casey	"The occurrence of large sharks off northeastern U.S.; results of monitoring an annual shark fishing tournament at Bay Shore, New York, 1965-1977".
H:43 Ref. Demersal Fish (N) Committee	J Magnússon	"Pelagic redfish in the Irminger Sea. Distribution and abundance".
H:44	J Jakobsson	"A preliminary report on the ICES coordinated Blue Whiting Summer Surveys 1977".

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Reference papers

Reference papers to the Pelagic Fish (Northern) Committee

E:68 Fisheries Improvement Committee	A J Lee, R R Dickson and A S Millner	"ICES Working Group on the Effects of Fisheries of Marine Sand and Gravel Extraction: Report of Coordinators of material supplied in response to C.Res.1976/4:14".
F:24 Demersal Fish (N) Committee	B C Bedford	"Further development of the technique of preparing thin sections of otoliths set in black polyester resin".
F:26 Demersal Fish (N) Committee	K Brander	"The assessment of Irish Sea and Bristol Channel fisheries".
F:27 Demersal Fish (N) Committee	J G Shepherd	"The sensitivity of populations to environmental noise, and the implications for management".
F:33 Demersal Fish (N) Committee	D F Gray	"An iterative derivation of fishing and natural mortality from catch and effort data giving measure- ments of goodness of fit".
F:34 Demersal Fish (N) Committee	P F Lett	"The importance of population energetics, recruitment, species interaction, and environmental fluctuations in the simultaneous management of Gulf. of St. Lawrence cod and northwestern Atlantic mackerel".
F:42 Demersal Fish (N) Committee	E Ursin	"Multispecies fish stock assessment for the North Sea 1960-79".
F:44 Demersal Fish (N) Committee		"Preliminary report on the inter- national 0-group fish surveys in Faroe waters 1976".
J:7 Pelagic Fish (S) Committee	P Walker and R K Pipe	"Egg development rates of the scad (<u>Trachurus trachurus</u> L.) over a range of constant temperatures".
J:9 Pelagic Fish (S) Committee	S J Lockwood, S H Coombs and J Guéguen	"A preliminary report of the mackerel egg and larval surveys to the west of the British Isles and France in 1977".
J:11 Pelagic Fish (S) Committee	P Porche	"Relations entre l'abondance du sprat (<u>Clupea sprattus</u> L.) et la température des eaux du golfe de Gascogne".
J:13 Pelagic Fish (S) Committee	S J Lockwood, J H Nichols and S H Coombs	"The development rates of mackerel (<u>Scomber scombrus</u> L.) eggs over a range of temperatures".
J:14 Pelagic Fish (S) Committee	F Borges, H Dinis et Costa Monteiro	"Résultats préliminaires sur la ponte, composition des tailles et état du stock du chinchard (<u>Trachurus trachurus</u> L.) de la côte portugaise".

Pelagic Fish (Northern) Cttee (ctd)

Reference papers

- | | | |
|---------------------------------------|--|---|
| J:15
Pelagic Fish (S)
Committee | I F Barraca,
I M Jorge et
Carlos da
Costa Monteiro | "La sardine (<u>Sardina pilchardus</u> (Walb.))
de la côte continentale portugaise
pendant 1976". |
| L:19
Plankton Committee | D S Danielsen
and S A Iversen | "The development and mortality of
mackerel eggs (<u>Scomber scombrus</u> L.)
in different temperatures". |
| L:26
Plankton Committee | A S Rosenberg
and R G Lough | "A preliminary report on the age and
growth of larval herring (<u>Clupea
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in otoliths". |
| L:27
Plankton Committee | G P Dube,
R G Lough
and R E Cohen | "Comparison of Georges Bank zooplankton
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mortality of herring larvae during two
winter periods". |
| L:28
Plankton Committee | K Sherman,
R Maurer,
R Byron and
D Bearse | "Relationship between larval fish
communities and zooplankton prey
species in and offshore spawning
ground". |
| P:13
Baltic Fish Cttee | A Lindquist,
O Hagström,
N Håkonsson and
S Kollberg | "Preliminary results from echo-
integrations in the Baltic 1976 and
1977". |

J - COMITÉ DES POISSONS PELAGIQUES (SUD)

- J:1 Administrative Report.
- J:2 "Bibliographie des publications produites en 1976 intéressant les membres du Comité des poissons pélagiques (sud)".
- J:3 H Aloncle,
J Hamre,
J Rodriguez-Roda
and K Tiews "Report of the Bluefin Tuna Working Group: Observations on the size composition of Bluefin Tuna catches from 1976".
- J:4 H Aloncle
et F Delaporte "L'alimentation du germon Thunnus alalunga. Essai d'estimation quantitative".
- J:5 H Aloncle
et F Delaporte "Répartition géographique et thermique de T. obesus et K. pelamis dans l'Atlantique N.E."
- J:6 J L Cort,
O Cendrero et
E de Cárdenas "Nouvelle information sur la pêche espagnole à l'anchois du Golfe de Gascogne".
- J:7 P Walker and
R K Pipe "Egg development rates of the scad (Trachurus trachurus L.) over a range of constant temperatures".
- J:8 M G Larrañeta "Natural mortality in a Mediterranean sardine population".
- J:9 S J Lockwood,
S H Coombs and
J Guéguen "A preliminary report of the mackerel egg and larval surveys to the west of the British Isles and France in 1977".
- J:10 M Trouvery "Croissance du chinchard, Trachurus trachurus (Linné) dans le golfe de Gascogne et sur le plateau celtique".
- J:11 P Porche "Relations entre l'abondance du sprat (Clupea sprattus L.) et la température des eaux du golfe de Gascogne".
- J:12 P Porche "Réalisation d'un ichtyomètre à comptage automatique".
- J:13 S J Lockwood,
J H Nichols
and S H Coombs "The development rates of mackerel (Scomber scombrus L.) eggs over a range of temperatures".
- J:14 F Borges, H Dinis,
et Costa Monteiro "Résultats préliminaires sur la ponte, composition des tailles et état du stock du chinchard (Trachurus trachurus L.) de la côte portugaise".
- J:15 I F Barraca,
I M Jorge et
Carlos da
Costa Monteiro "La sardine (Sardina pilchardus (Walb.)) de la côte continentale portugaise pendant 1976".

Comité des Poissons pélagiques (sud) (suite)

Communications de référence

Communications ayant référence au Comité des poissons pélagiques (sud)

B:7 Comité des Engins et du comportement	H Aloncle et F Delaporte	"Etudes comparatives de différents leurre à germons (<u>Thunnus</u> <u>alalunga</u>)".
H:2 Comité des Poissons pélagiques (nord)		"Report of the Mackerel Working Group, Charlottenlund, 24 February - 3 March 1977".
H:2/APPENDIX Comité des Poissons pélagiques (nord)		"Provisional information and data for allocation of resources under the new extended national fisheries jurisdiction regime".
H:17 Comité des Poissons pélagiques (nord)	S A Iversen	"Spawning, egg production and stock size of mackerel (<u>Scomber</u> <u>scombrus</u> L.) in the North Sea 1968-75".
H:38 Comité des Poissons pélagiques (nord)	D Kästner	"Preliminary results of the occurrence of two mackerel groups (<u>Scomber scombrus</u> L.) with different growth patterns west of Britain".
L:7 Comité du Plancton	P Rubies and J Palomera	"Abundance and distribution of sardine eggs and larvae off Northwest Africa, April-May 1973".

K - SHELLFISH AND BENTHOS COMMITTEE

- K:1 Administrative Report.
- K:2 "Report of the Nephrops Working Group, Aberdeen, 28 February - 4 March 1977".
- K:3 "Bibliography of publications relative to the interests of the ICES Shellfish and Benthos Committee"
- K:3/Supplement No.1 "Bibliography of publications from Western Australia".
- K:4 R Boddeke and H B Becker "Stock size and fishing mortality rates of a Brown Shrimp (Crangon crangon) population along the Dutch coast in the years 1973-75".
- K:5 M Kat "On the green coloration of gills of the European flat oyster (Ostrea edulis L.) caused by a coccolithophorid"
- K:6 A Arias and A Rodriguez M. "Physico-chemical factors and faunistic composition in the salt-marshes of Cadiz (Southern Spain). A preliminary note".
- K:7 Ref. Fisheries Improvement Cttee "Réunion du Groupe de Travail du CIEM sur la Pathologie des Mollusques et Crustacés, Nantes, 18-20 janvier 1977" (E + F)
- K:8 Withdrawn.
- K:9 R-K O'Dor, R D Durward and D B Steadman "Laboratory studies on the life cycle and vertical migration of the squid, Illex illecebrosus".
- K:10 "Report of the Working Group on Assessment of Pandalus borealis stocks: Conwy, 24-26 May 1977".
- K:11 "Report of the Working Group on Homarus stocks. Bergen, Norway, 3-6 May 1977".
- K:12 J P Hillis "Observations on age and growth in Nephrops norvegicus".
- K:13 J P Hillis "Mesh-selection experiments on Nephrops norvegicus".
- K:14 J-Y Le Gall et M Jezequel "Variabilité annuelle du recrutement dans une pêcherie littorale de Homard Homarus gammarus en Bretagne (1973-1974-1975)".
- K:15 F Sardá and I Caballin "Some aspects on the biology of Norway lobster (Nephrops norvegicus) from the Catalan Sea".
- K:16 J I Arnal et C Fernández Pato "La croissance de la palourde Venerupis decussata L. à la Baie de Santander (Espagne): Premiers résultats".
- K:17 C Fernández Pato et J I Arnal "Relations biométriques de la palourde Venerupis decussata L. de la Baie de Santander (Espagne)".

Shellfish and Benthos Committee (ctd)

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|---|--|---|
| K:18
Ref. Gear and
Behaviour Cttee | J F Caddy | "Some considerations underlying definitions of catchability and fishing effort in shellfish fisheries, and their relevance for stock assessment purposes". |
| K:19 | G Kühlmorgen-Hille | "Growth and utilisation of cockles (<u>Cardium edule</u> L.) on the North Sea coast of Schleswig-Holstein, Federal Republic of Germany". |
| K:20
Ref. Plankton
Committee | M Heral,
J P Berthome,
D Razet et
J Garnier | "La sécheresse de l'été 1976 dans le bassin ostréicole de Marennes-Oléron: aspects hydrobiologiques". |
| K:21
Ref. Plankton
Committee | M Heral et
D Razet | "Premières approches de la composition de la nourriture organique particulaire de <u>Crassostrea gigas</u> dans les eaux du bassin de Marennes-Oléron". |
| K:22 | | Withdrawn. |
| K:23 | E His | "Observations relatives à l'infestation de <u>Crassostrea gigas</u> Thunberg par le copépode parasite <u>Mytilicola orientalis</u> Mori dans le Bassin d'Arcachon". |
| K:24
Ref. Gear and
Behaviour Cttee | A Charuau | "Comparaison des prises de langoustines par les chaluts équipés de poches en mailles de 40 et 60 mm". |
| K:25 | A Charuau | "Essai de détermination du taux d'accroissement à la mue de la langoustine dans le milieu naturel". |
| K:26
Ref. Fisheries
Improvement Cttee | C Auger, G Tigé,
H Grizel,
A Langlade et
M A Rabouin | "Etude comparée de la croissance de <u>Crassostrea gigas</u> Thunberg dans trois rivières du Morbihan". |
| K:27 | D B Bennett,
C G Brown,
A E Howard and
S R J Lovewell | "English lobster (<u>Homarus gammarus</u> L.) tagging, 1976". |
| K:28 | J Drinkwater
and T R W Howell | "A method of detecting <u>Mytilicola intestinalis</u> Steuer in mussels, <u>Mytilus edulis</u> L., using pepsin digestion, and its use in a survey in Scottish waters". |
| K:29 | F G Howard | "Some experiments to determine the cod end selectivity of a shrimp trawl". |
| K:30 | F G Howard | "Some notes on the biology of <u>Pandalus borealis</u> Krøyer on Fladen". |
| K:31 | A E Howard | "The influence of topography and current on size composition of lobster populations". |
| K:32 | E Ellingsen | "Preliminary studies on the occurrence of the larvae of deep water prawn (<u>Pandalus borealis</u> Krøyer) in southern Norway". |
| K:33 | G Conan and
S Schafee | "Growth and biannual recruitment of <u>Chlamys varia</u> (Linné) in ... |

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K:34	A Charuau et G Conan	"Croissance à la mue des langoustines: méthodes d'évaluation, dimorphisme sexuel et variabilité géographique".
K:35	G Conan, M N Depois et A Charuau	"Relations entre la biomasse et la production du stock de langoustines de la région Sud Bretagne".
K:36	F Gosselck	"On the occurrence and diurnal rhythm of <u>Eurydice truncata</u> (Isopoda) off Mauritanie".
K:37	I Hallgrímsson	"On the regulation of the Icelandic shrimp fisheries".
K:38	T Thomassen	"Comparisons of growth, fecundity and mortality between two populations of <u>Pandalus borealis</u> in northern Norway".
K:39	K R Gundersen	"Migrations of crabs (<u>Cancer pagurus</u> L.) in Norwegian waters".
K:40	Y Morizur	"Différenciation de juvéniles de <u>Chlamys varia</u> et de <u>Chlamys opercularis</u> ".

Reference Papers to the Shellfish and Benthos Committee

E:12 Fisheries Improvement Committee	V Dethlefsen	"Uptake, retention and loss of cadmium by <u>Crangon crangon</u> ".
E:13 Fisheries Improvement Committee	C J Sindermann and F W Steimle	"Oxygen depletion and mass mortalities of shellfish in the Middle Atlantic Bight of the United States in 1976".
E:14 Fisheries Improvement Committee	C J Sindermann	"Recent data on possible associations of coastal/estuarine pollution with fish and shellfish diseases".
E:23 Fisheries Improvement Committee		"Report of the third meeting of the ICES Working Group on Mariculture".
E:47 Fisheries Improvement Committee	A Schuur, J C Van Olst, J Carlberg and R A Shleser	"Engineering design and water management systems for the production of the American lobster <u>Homarus americanus</u> ".
E:49 Fisheries Improvement Committee	G D Pickett	"Artificial collection of pectinid spat: preliminary experiments in Start Bay, South-West England, 1975-77".
E:55 Fisheries Improvement Committee		"The EKOFISK BRAVO blow out. Compiled Norwegian contributions".
E:62 Fisheries Improvement Committee	J H Ryther	"A pilot scale waste recycling-mariculture system".

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E:63
Fisheries Improvement
Committee

D A Delistraty,
J M Carlberg,
J C van Olst
and R F Ford

"Ammonia toxicity in cultured
larvae of the American lobster
(Homarus americanus)".

E:68
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A J Lee,
R R Dickson
and A S Millner

"ICES Working Group on the
Effects of Marine Sand and
Gravel Extraction: Report of
Coordinators of material
supplied in response to
C.Res.1976/4:14".

L - PLANKTON COMMITTEE

- L:1 Administrative Report.
- L:2 M Kat "Four years phytoplankton investigations in the Dutch coastal area 1973-76".
- L:3 E M Kostrichkina and L L Sidrevits "To the question on the influence of currents on the distribution of zooplankton in the Baltic Sea".
- L:4 H Möller "Occurrence of Scyphomedusae in Kiel Bight 1976/77".
- L:5 H B Becker "Composite sampling in aquatic environments".
- L:6 "Publications of interest to the Plankton Committee, 1976".
- L:7 P Rubies and J Palomera "Abundance and distribution of sardine eggs and larvae off Northwest Africa, April-May 1973".
Ref. Pelagic Fish (S) Committee
- L:8 M Heral "Utilisation des dosages d'adénosine triphosphate (A.T.P.) dans l'estimation des pertes de matières vivantes au cours du transit dans les condenseurs de centrale thermique".
Ref. Fisheries Improvement Cttee
- L:9 J P Berthome "Développement anormal du dinoflagellé Prorocentrum micans Ehr. dans le bassin de Marennes-Oléron en juillet 1976".
- L:10 P Porche "Réalisation d'un nouveau filet à plancton à ouverture et fermeture commandées".
- L:11 M Estrada and M Wagensberg "Spectral analysis of spatial series of oceanographic parameters".
- L:12 M Alcaraz et M Wagensberg "Application de l'analyse des séries temporelles à l'étude de la relation entre la proportion sexuelle et la densité des populations en copépodes".
- L:13 M Wagensberg et M Alcaraz "Variations saisonnières de la taille des générations successives de copépodes; effets combinés de la température et de la taille comme facteurs de prédiction".
- L:14 H Tambs-Lyche "Introduction to the Plankton Chapter in Annales Biologiques, Vol.33 (for 1976)".
- L:15 S J Hay and J R G Hislop "The distribution and abundance of Scyphomedusae in the North Sea during the summer 1976".
- L:16 J C Gamble "Population structure, feeding behaviour and fecundity of the lobate ctenophore, Bolinopsis infundibulum".
- L:17 F Vallespinos and A Tejero "Taxonomy and distribution of Irichodesmium (Cyanophyceae) in the upwelling region NW Africa".
- L:18 A Tejero and

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|--|---|---|
| L:19
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(N) Committee | D S Danielsen
and S A Iversen | "The development and mortality of mackerel eggs (<u>Scomber scombrus</u> L.) in different temperatures". |
| L:20
Ref. Publications
Committee | J H Fraser | "Editor's Report 1976-77: Plankton Identification Sheets". |
| L:21 | J C Therriault
and T Platt | "Spatial variability of phytoplankton specific growth rate in the coastal waters". |
| L:22 | U Brenning | "Successions and sequences of Calanoidea populations during an anchoring station in winter 1972/73 in the area of Cap Blanc". |
| L:23 | E A Arndt
and W Wranik | "Studies on the taxonomy and distribution of Thaliaceans off North-West Africa". |
| L:24 | E A Arndt
and S Köller | "The taxonomy and ecology of the chaetognaths in the epipelagial of the North-West African upwelling region". |
| L:25
Ref. Fisheries
Improvement Cttee | O A Roels,
S Laurence,
M W Farmer and
L van Hemmelryck | "Organic production potential of artificial upwelling marine culture". |
| L:26
Ref. Pelagic Fish
(N) Committee | A S Rosenberg
and R G Lough | "A preliminary report on the age and growth of larval herring (<u>Clupea harengus</u>) from daily growth increments in otoliths". |
| L:27
Ref. Pelagic Fish
(N) Committee | G P Dube,
R G Lough and
R E Cohen | "Comparison of Georges Bank zooplankton community in relation to growth and mortality of herring larvae during two winter periods". |
| L:28
Ref. Demersal Fish
(N) and Pelagic Fish
(N) Committees | K Sherman,
R Maurer,
R Byron and
D Bearse | "Relationship between larval fish communities and zooplankton prey species in and offshore spawning ground". |
| L:29
Ref. Demersal Fish
(N) Committee | L Buckley | "Biochemical changes during ontogenesis of winter flounder (<u>Pseudopleuronectes americanus</u>) and the effect of starvation". |
| L:30 | J Green,
J B Colton Jr.
and D Bearse | "Preliminary estimates of secondary production on Georges Bank". |
| L:31
Ref. Demersal Fish
(N) Committee | G C Laurence | "Comparative growth, respiration and delayed feeding abilities of larval cod (<u>Gadus morhua</u>) and haddock (<u>Melanogrammus aeglefinus</u>) as influenced by temperature during laboratory studies". |
| L:32
Ref. Fisheries
Improvement Cttee | B Ottway, M Parker,
D McGrath and
M Crowley | "Mortalities of littoral and sublittoral organisms associated with an algal bloom on the south coast of Ireland, summer 1976". |

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L:33 Ref. Demersal Fish (N) Committee	B Ellertsen, E Moksness, P Solemdal, T Strømme, S Tilseth T Westergård and V Øiestad	"Vertical distribution and feeding of cod larvae in relation to occurrence and size of prey organisms".
L:34	T Thordadóttir and U Stefansson	"Productivity in relation to environ- mental variables in the Faxafloi region 1966-67".
L:35	G D Grice	"Zooplankton production in enclosed water columns".
L:36	J Lenz	"Variations in zooplankton biomass as observed from the analysis of discrete water samples".

Reference Papers to the Plankton Committee

C:2 Hydrography Committee		"Report of the ICES Study Group on the Flushing Time of the North Sea (2-3 February 1977, Lowestoft)".
C:3 Hydrography Committee	G Weichart	"The pH in the waters of the German Bight as influenced by primary pro- duction and respiration and by acid TiO ₂ wastes".
C:24 Hydrography Committee	H D Dooley	"The long-term transport of diurnally migrating plankton".
C:42 Hydrography Committee	N K Højerslev	"Spectral daylight irradiance and light transmittance in natural waters measured by means of a Secchi Disc only.
E:69 Fisheries Improvement Committee	J H Vandermeulen and R W Lee	"Absence of mutagenicity due to crude and refined oils in the alga, <u>Chlamydomonas reinhardtii</u> ".
E:70 Fisheries Improvement Committee	J H Vandermeulen and T C Hemsworth	"Altered grazing patterns in a copepod alga ecosystem by low level naphtalene exposure".
F:21 Demersal Fish (N) Committee	D Harding and J H Nichols	"Preliminary observations on the distribution, abundance, survival and drift of eggs and larval stages of cod and plaice in the west central North Sea in 1976".
H:21 Pelagic Fish (N) Committee		"Report on the Joint Soviet-Icelandic investigations on the distribution of pelagic fish and oceanographic conditions in the Norwegian Sea and waters adjacent to Iceland in May- July 1977".

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Reference papers

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|--|---|---|
| K:20
Shellfish and Benthos
Committee | M Heral,
J P Berthome
D Razet et
J Garnier | "La sécheresse de l'été 1976 dans
le bassin ostréicole de Marennes-
Oléron: aspects hydrobiologiques". |
| K:21
Shellfish and Benthos
Committee | M Heral
et D Razet | "Premières approches de la com-
position de la nourriture
organique particulière de
<u>Crassostrea gigas</u> dans les eaux du
bassin de Marennes-Oléron". |
| N:15
Marine Mammals Cttee | P F Brodie | " <u>Mysticeti</u> as consumers and
indicators of marine production;
ongoing studies at the Marine
Ecology Laboratory". |

M - ANADROMOUS AND CATADROMOUS FISH COMMITTEE

- M:1 Administrative Report .
- M:2 "Report of the First Joint Meeting of the ICES/EIFAC Working Group on Eels, Helsinki, 12 June 1976" (see also C.M.1977/M:45).
- M:3 F-W Tesch "Observations on the spawning migration of the eel (Anguilla anguilla) west of the European continental shelf".
- M:4 T Hecht and S Appelbaum "Otolith length/fish length relationship of Leptocephali elvers and sub-adult (reared) eels (Anguilla anguilla)".
- M:5 A L Bakshtansky and N A Chuksina "Some data on feeding and feeding relationships of young downstream migrant pink salmon and Atlantic salmon".
- M:6 A L Bakshtansky, V A Pupyshv and V N Nesterov "Behaviour of pike and pike's influence on the downstream migration of young salmon in the period of light ripples".
- M:7 J Toivonen "Differences in recaptures of wild and hatchery-reared salmon smolts".
- M:8 A Lindroth "The smolt migration in the River Mörrumsån (Sweden) 1963-66".
- M:9 R Bartel "Variability of sea trout returns as shown from many years' tagging experiments with hatchery-reared parr and smolts".
Ref. Fisheries Improvement Cttee
- M:10 R H Payne and T F Cross "Liver aspartate amino transferase polymorphism: a new tool for estimating proportions of European and North American salmon at West Greenland".
- M:11 M Szymelfenig "Influence of different sea water salinities on rainbow trout (Salmo gairdneri Rick. 1836) and sea trout (Salmo trutta trutta L. 1758) spermatozoons and eggs".
Ref. Fisheries Improvement Cttee
- M:12 R Bartel "Variability of sea trout returns as shown from many years tagging experiments with hatchery-reared smolts".
Ref. Fisheries Improvement Cttee
- (M:13) W M Shearer "Factors affecting the estimation of the survival of tagged Atlantic salmon smolts as returning adults".
- M:14 B B Parrish and W M Shearer "Effects of seals on fisheries".
Ref. Marine Mammals Committee
- M:15 K U Vickers "Survival of smolts from the river Bush".
- (M:16) M J Hosmer and Migratory Fish Research Insti- "Effects of rearing regime at Craig brook national fishery hatchery on subsequent return of adult Atlantic

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M:17	J D McCleave	"Down-estuary migration of hatchery-reared Atlantic salmon (<u>Salmo salar</u>) smolt, and its relation to tidal currents".
M:18	P Prouzet, Y Harache, P Danel and J Branellec	"Extensive production of Atlantic salmon parrs (<u>Salmo salar</u> L.) in four nursery streams of Northern Brittany".
M:19	Y Harache and P Prouzet	"Characteristics of salmon caught during the fishing season on the Elorn and Aulne rivers".
M:20	R L Saunders and E B Henderson	"Changes in Na ⁺ K ⁺ ATPase activity as an indication of smolt status in Atlantic salmon".
M:21	R L Saunders and A Sreedharan	"The incidence and genetic implications of sexual maturity in male Atlantic salmon parr".
M:22	T R Porter and D J Meerburg	"Upwelling incubation boxes for Atlantic salmon <u>Salmo salar</u> ".
M:23 Ref. Fisheries Improvement Cttee	R J Gibson	"Behavioural interactions between juvenile coho salmon (<u>Oncorhynchus kisutch</u>), and juvenile Atlantic salmon (<u>Salmo salar</u>) and brook trout (<u>Salvelinus fontinalis</u>)".
M:24	A M Sutterlin, R H Peterson and A Sreedharan	"Growth, physiology and behaviour of salmonid hybrids".
M:25	O Christensen	"Catches of Baltic salmon in 1976".
M:26	W P Wicket	"Relationship of coastal oceanographic factors to the migration of Fraser River sockeye salmon (<u>Oncorhynchus nerka</u> , W.)".
M:27 Ref. Fisheries Improvement Cttee	J A Ritter	"Relationship between smolt size and tag return rate for hatchery-reared Atlantic salmon (<u>Salmo salar</u>)".
M:28 Ref. Fisheries Improvement Cttee	A Foda and J A Ritter	"Effect of diet on rate of return of hatchery-reared Atlantic salmon (<u>Salmo salar</u>) smolts".
M:29 Ref. Fisheries Improvement Cttee	C Frantsi, J A Ritter and P F Elson	"Effect of Corynebacterial kidney disease on ocean survival and return of Atlantic salmon (<u>Salmo salar</u>)".
M:30	J A Ritter and R Gray	"Preliminary comparison of tag return rates for hatchery-reared Atlantic salmon (<u>Salmo salar</u>) released as fall yearling parr and 2-year smolts".
M:31	A Foda and T K Henderson	"Effect of water temperature on rate of embryonic development, growth and survival of Atlantic salmon (<u>Salmo salar</u>)".
M:32	J A Ritter and K Newbould	"Relationships of parentage and smolt age to age at first maturity of Atlantic salmon <u>Salmo salar</u> ".

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M:33	G J Farmer, D Ashfield and T Goff	"The influence of diet lipid content on changes in the proximate composition of Atlantic salmon (<u>Salmo salar</u>) during parr-smolt transformation"
M:34	G J Farmer, J A Ritter and D Ashfield	"Seawater acclimation and parr-smolt transformation of juvenile Atlantic salmon, <u>Salmo salar</u> L."
M:35	B Riddell and W Leggett	"Geographic variation in growth and body morphology between populations of juvenile Atlantic salmon"
M:36	A Isaksson and P K Bergman	"Evaluation of two tagging methods used to study the efficiency of Atlantic salmon hatchery operations in Iceland"
M:37	A Isaksson, T J Rasch and P Poe	"An evaluation of two release methods on a productive and non-productive stream in Iceland"
M:38	J Kristjánsson and E P Nunallee	"Hydroacoustic assessment of the fish stocks in Lake Thingvellir" ✓
M:39	M Alexandersdóttir and B Kristinsson	"Monitoring salmon runs in Icelandic streams using a resistivity counter. A preliminary report"
M:40	T Gudjónsson	"Recaptures of salmon tagged at the estuary of the river Ölfusá-Hvítá Iceland"
M:41 Ref. Fisheries Improvement Cttee	N Johansson and O Ljungberg	"Ulcerative dermal necrosis (UDN) in Swedish salmon rivers"
M:42	P O Larsson	"The importance of time and place of release of salmon and sea trout smolt on the results of stockings"
M:43 Ref. Fisheries Improvement Cttee	P O Larsson	"Size-dependent mortality in salmon smolt plantings"
M:44 Ref. Fisheries Improvement Cttee	H O Larsson	"The influence of predation after release on the result of salmon smolt plantings"
M:45		"Report of the Joint ICES/EIFAC Working Group on Eels, Charlottenlund, 8-12 August 1977" (see also C.M.1977/M:2).

Reference Papers to the Anadromous and Catadromous Fish Committee

E:23 Fisheries Improvement Cttee		"Report of the third meeting of the ICES Working Group on Mariculture"
E:60 Fisheries Impr.Cttee	G Nævdal, M Holm, R Lerøy & D Møller	"Individual growth rate and age at first sexual maturity in Atlantic salmon"
E:61 Fisheries Impr.Cttee	S Knutsson	"An experiment with migrating smolt of Atlantic salmon (<u>Salmo salar</u>)"

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Reference papers

E:62
Anacat Committee

J H Ryther

"A pilot scale waste
recycling-mariculture
system".

E:63
Anacat Committee

D A Delistraty,
J M Carlberg,
J C van Olst
and R F Ford

"Ammonia toxicity in cultured
larvae of the American
lobster (Homarus americanus)".

N - MARINE MAMMALS COMMITTEE

N:1		Administrative Report.
N:2	M Kerkhoff and J de Boer	"Organochlorine residues in a harbour porpoise (<u>Phocoena phocoena</u>) found dead in the Dutch Wadden Sea in 1971".
Ref. Fisheries Improvement Cttee		
N:3	R Duguy	"Cétacés trouvés sur les côtes de France en 1976".
N:4		"List of publications on marine mammals 1976".
N:5	U Harms, H E Drescher and E Huschenbeth	"Data on heavy metals and organochlorines in marine mammals from German coastal waters".
Ref. Fisheries Improvement Cttee		
N:6	A W Mansfield	"Growth and longevity of the grey seal <u>Halichoerus grypus</u> in eastern Canada".
N:7	J M Terhune and K Ronald	"Influence of boat noise on the vocal activity of harp seals (<u>Pagophilus groenlandicus</u>)".
N:8	N A Øritsland and K Ronald	"A simulation programme for heat balance in marine mammals".
N:9	T Benjaminsen and P F Lett	"A population model for the management of the Northwestern Atlantic hooded seal population".
N:10	R G W Nairn	"A survey of common seal stocks in North-East Ireland".
N:11		"ICES Working Group on Grey Seals. Report of the First Meeting, 16-20 May 1977, Cambridge, United Kingdom".
N:12	R Duguy et P Toussaint	"Recherches sur les facteurs de mortalité des Cétacés sur les côtes de France".
N:13	H E Winn and G P Scott	"Evidence for three substocks of humpback whales (<u>Megaptera novae-angliae</u>) in the western North Atlantic".
N:14	J R Gilbert	"Past and present status of grey seals in New England".
N:15	P F Brodie	" <u>Mysticeti</u> as consumers and indicators of marine production; ongoing studies at the Marine Ecology Laboratory".
Ref. Plankton Committee		
N:16	J Christiansen and F J Jensen	"Tagging and recapture of ringed seal (<u>Pusa hispida</u>) in Northwest Greenland".
N:17	J Christiansen	"Observations on ringed seal (<u>Pusa hispida</u>) in Northwest Greenland at the time of break-up of the ice".
N:18	R W Vaughan	"A review of the status of the common seal, <u>Phoca vitulina</u> , in Scotland".
N:19	S T Einarsson	"Seals in Icelandic waters".

Marine Mammals Cttee (ctd)

N:20	J Pálsson	"Nematode infestation and feeding habits of Icelandic seals".
N:21	R G Ackmann, C A Eaton and N Crewe	"Grey seal (<u>Halichoerus grypus</u>) dam-pup transfer of fatty acids".
N:22	S T Einarsson	"Tagging of seal pups in Icelandic waters".

Reference Papers to the Marine Mammals Committee

F:27 Demersal Fish (N) Committee	J G Shepherd	"The sensitivity of populations to environmental noise, and the implications for management".
M:14 Anacat Committee	B B Parrish and W M Shearer	"Effects of seals on fisheries".

P - BALTIC FISH COMMITTEE

- P:1 Administrative Report.
- P:2 "Report of the Working Group on Assessment of Demersal Stocks in the Baltic, Helsinki, 21-25 March 1977".
- P:3 "Report of the Working Group on Assessment of Pelagic Stocks in the Baltic, Helsinki, 21-25 March 1977".
- P:4 E Y Kondratovich "Tagging experiments on cod in the Baltic Sea in 1972-1975".
- P:5 G B Grauman "The peculiarities of flounder spawning in the Baltic Sea".
- P:6 W Weber "Assessment of herring stocks in the Western Baltic".
- P:7 U Lohmeyer and G Hempel "Winter food of the Baltic herring (Clupea harengus L.)".
- P:8 W E Arntz "Seasonal predation by flounder (Platichthys flesus (L.)) in the deeper parts of Kiel Bay".
- P:9 V Sjöblom and R Parmanne "Abundance of Baltic herring larvae in the seas around Finland in 1976".
- P:10 V Sjöblom and R Parmanne "Abundance of sprat larvae in the northern Baltic in 1976".
- P:11 A Glowinska and S Woźniak "Influence of the hydrological conditions on the Baltic fisheries during 1974-76".
Ref. Hydrography Committee
- P:12 W J Grygiel "Age-length-weight relationship in the southern Baltic sprat populations in 1974-76".
- P:13 A Lindquist, O Hagström, N Håkonsson and S Kollberg "Preliminary results from echo-integrations in the Baltic 1976 and 1977".
Ref. Pelagic Fish (N) Committee
- P:14 A Müller and O Bagge "The mortality of cod eggs, the spawning of cod and the biomass of the spawning stock in the Bornholm Basin".
- P:15 O Bagge "Meal size and digestion in cod (Gadus morhua L.) and sea scorpion (Myoxocephalus scorpius L.)".
- P:16 C C Friess "Investigations on the spring spawning Rügen herring infested by Anisakis in 1975-77".
- P:17 N Jönsson and E Biester "Preliminary results of herring taggings in Greifswalder Bodden 1977".
- P:18 E Biester, N Jönsson and G Krüger "The results of tagging experiments in 1976 on Rügen spring spawning herring".
- P:19 E Biester, F Fredrich and "Occurrence of herring larvae in the Darss-Zingst-Bodden in 1976/77"

Baltic Fish Committee (ctd)

P:20	E Biester and P Hering	"Changes in the population structure of the herring in the Greifswalder Bodden during spawning time in spring".
P:21	E Biester and N Brielmann	"Occurrence of herring larvae in the Greifswalder Bodden in 1977".

Reference Paper to the Baltic Fish Committee

E:53 Fisheries Improvement Committee	B Luckas, M Berner and H Pscheidl	"On the contamination of cod livers with chlorinated hydrocarbons in the Baltic in 1976/77".
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