

Contributions to be presented at the Statutory Meeting.

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Gen: General Assembly Reports and Papers of General Interest

Gen:1		"Observers' Reports presented to the General Assembly of ICES 1973".
Gen:1/two Supplements		
Gen:2		"Progress Report on some important activities of the Council or where the Council is engaged".
Gen:3		"Election of Committee Chairmen at the 61st Statutory Meeting".
Gen:4		"Notes on Recommendations and Reports".
Gen:5		"Annotated list of selected acronyms".
Gen:6	A Bückmann	"On the History of ICES - A review of the book by Dr A E J Went".
Gen:7	FAO	"Summary Report on the activities of the FAO Fishery Resource Division in the field of marine resources research".
Gen:8		"Advance release of Tables 1-5 of 'Bulletin Statistique', Vol. 57, 1972".

Del - DELEGATES MEETINGS

- Del:1* "Audited Accounts for 1971/72 and Balance Sheet per 31/10-1972".
- Del:2* "Preliminary Report on the Administration for the Year 1/11-1972 to 31/10-1973".
- Del:3* "Administrative Reports of Area- and Subject Committees".
- Del:4* "Estimated Accounts for the Financial Year 1972/1973".
- Del:5* "Budget for the Financial Year 1973/74".
- Del:6* "Forecast Budget for the Financial Year 1974/75".
- Del:7* "Amendments to Rule 27 of the Council's Rules of Procedure".
- Del:8* "Elections to be undertaken by the Council at the 61st Statutory Meeting".
- Del:9* "Joint chairmanship of the Consultative Committee, the Liaison Committee and the Advisory Committee on Marine Pollution".
- Del:10* "Eventual amendments to the Scheme of contributions".
- Del:11* "Eventual transfer to the UN Salary Scale".
- Del:12* "The contributions of the United States of America to the finances of the Council".
- Del:13* "Italian arrears in contributions".

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* for Delegates only.

Li - LIAISON COMMITTEE

- Li:1* Agenda for the Liaison Committee.
- Li:2* "Conclusions and Recommendations of the 11th Meeting (May 1973) of NEAFC".
- Li:3* "Additional documents relevant to the Liaison Committee Meeting, Lisboa, 6 October 1973".

Pol - ADVISORY COMMITTEE ON MARINE POLLUTION

- Pol:1* "Monitoring requirements of the Oslo Commission".

Fi - FINANCE COMMITTEE

- Fi:1* Agenda for the Finance Committee.

Ed - EDITORIAL COMMITTEE

- Ed:1* Agenda for the Editorial Committee.
- Ed:2* "Sale of ICES Publications during the last three years".
- Ed:3* General Secretary "Review of the publications".

A - CONSULTATIVE COMMITTEE

- A:1* Agenda for the Consultative Committee.
- A:2* "International Course on Analysis of Marine Pollutants".
- A:3* "Joint Oceanographic Assembly".

* for the relevant Committees only.

B - GEAR AND BEHAVIOUR COMMITTEE

- B:1 "Administrative Report".
- B:2 Chairman of the "Effects of trawls and dredges on
Ref. Fisheries Impr. Gear and Behaviour the sea-bed".
and Shellfish & Committee
Benthos Cttees
- B:3 "Report of the Working Group on
Research on Engineering Aspects
of Fishing Gear, Vessel and
Equipment (IJmuiden, 3-5 May 1973)".
- B:4 "Report of the Meeting on Fishing
Effort Measurement, IJmuiden, 7-8
May 1973".
- B:5 H C Besançon "The Isaac-Kidd midwater trawl
(IKMT); experiences with a new way
of rigging".
- B:6 E J de Boer "Diagrams for the determination of
the propellor thrust under fishing
conditions".
- B:7 "Report of the Working Group on
Standardisation of Scientific Methods
for Comparing the Catching Performance
of Different Fishing Gear".
- B:8 H Bohl "Comments on progress by the Working
and J A Pope Group for Standardisation of Scien-
tific Methods for Comparing the
Catching Performance of Different
Fishing Gear".
- B:9 J C Brabant, "Tentative d'application de la méthode
Ref. Demersal Fish G Lefranc et de détermination de l'effort de pêche
(Northern) Cttee M Portier du Dr Treschev à une pêcherie de
morue du sud de la Mer du Nord".
- B:10 M Portier "Essais d'un nouveau chalut de type
semi-pélagique à 4 faces".
- B:11 P A M Stewart "The selection of electrode materials
for electrical fishing".
- B:12 "Rapport du Groupe de Travail sur les
réactions des poissons aux manoeuvres
de pêche" and "Report of the Working
Group on the Reactions of Fish to
Fishing Operations".
- B:13 A R Margetts "Report on the Symposium on 'Acoustic
Methods in Fisheries Research', Bergen,
19-22 June 1973".

Gear and Behaviour Cttee (ctd)

B:14	G Vanden Broucke	"Further investigations on electrical fishing".
B:15	R Fonteyne	"Preliminary results on hydro-acoustic measurements".
B:16		Withdrawn.
B:17	G Vanden Broucke, P Hovart and K Michielsen	"A further application of the Treschev method on fishing effort measurement".
B:18		"Report of the Working Group on Research on Sound and Vibration in Relation to Fish Capture".
B:19		"Proposal for a standardised procedure of noise measurements in fishing vessels".
B:20		"ICES Working Group on Data Collection and Processing in Fish Capture Research. - Report of Meeting in Aberdeen, 23-25 May 1973".
B:21	D N MacLennan	"Engineering characteristics of single boat pelagic gears for vessel powers between 200 and 2000 HP".
B:22	C S Wardle and P D Anthony	"Experimental methods used for the study of fish behaviour in large tanks".
B:23	R H Osborne and T H Simpson	"A possible relationship between the thyroidal status and the ease of capture of fish".
B:24 Ref. Demersal Fish (N) Cttee	A Maucorps et G Lefranc	"Dispositif expérimental permettant de capturer au chalut des poissons vivants".

Contributions from other Committees with Reference
to the Gear and Behaviour Committee

C:23 Hydrography Committee	N C Lucaya	"Paper about the sound propagation in the Alboran Sea".
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Gear and Behaviour Cttee (ctd)

F:25
Demersal Fish (N) Cttee

W Strzyzewski,
W Szymański and
G Zdziebkowski

"Investigations on the selectivity of Baltic cod and flounder carried out in 1972/73".

G:6
Demersal Fish (S) Cttee

A Forest

"Biologie et pêche du céteau (Dicologlossa cuneata Moreau) dans le sud du golfe de Gascogne".

M:7
Anadromous and Catadromous Fish Committee

F Thurow

"Local movements of salmon in the Baltic Sea".

M:20
Anadromous and Catadromous Fish Committee

Secretary of EIFAC

"Possible areas of active cooperation between the European Inland Fisheries Advisory Commission and the International Council for the Exploration of the Sea".

C - HYDROGRAPHY COMMITTEE

C:1	C B Duggan	"Inshore timed self-anchoring float (ITSA Float)".
C:2 Ref. Pelagic Fish (N) Cttee	J W Ramster, T C Doddington and J W Horwood	"An assessment of water movements in the northern North Sea and off the north coast of Scotland in September 1972".
C:3	J W Ramster and M J Howarth	"A detailed comparison of the data recorded by Aanderaa Model 4 and Plessey MO21 recording current meters moored at two shelf-sea locations with strong tidal currents".
C:4	J W Ramster and J A Durance	"A comparison, from the northern North Sea, of the drift of a parachute drogue with estimates of Lagrangian drift calculated from the data collected at a triangle of moored current meter stations".
C:5 Ref. Fisheries Improvement Cttee	P G W Jones, J L Henry and A R Folkard	"The distribution of selected trace metals in the water of the North Sea 1971-73".
C:6	R Molina	"Contribution to the study of the Canary Current".
C:7	A K Sigaev	"Nomogram of thermal variability in shelf waters from Mauritania to Liberia".
C:8	V V Rossov and D A Ped	"On the problem of an interrelation between the temperature field in the North Atlantic and the development of atmospheric processes".
C:9	D J Dixey and D L Kelf	"A progress report on the presentation of oceanographic data from OWS KIL0 for the years 1963-66".
C:10	H D Dooley	"Space and time variability in the Fair Isle current".
C:11	Jens Smed	"Report on the 6th Conference of Baltic Oceanographers".
C:12	Jens Smed	"Marine environmental data products for the ICES area. List and samples".
C:13	Jens Smed	"Activities of the ICES Service Hydrographique 1972/1973".
C:14	K Kremling	"Determination of copper and iron in 1 cm ³ of seawater by flameless atomic absorption spectrophotometry".

Hydrography Cttee (ctd)

C:15	J W Ramster	"A Third Preliminary Report of the Working Group on Permanent Moored Current Meter Stations in the North Sea".
C:16 Ref. Statistics, Pelagic Fish (N) and Demersal Fish (N) Committees	J W Ramster, K J Medler and J A Bedwell	"Fishing intensity in the North Sea and the planning of moored current meter exercises".
C:17	J W Ramster	"Report of the Moored Current Meter Data Exchange Study Group".
C:18	C R Mann	"Report to ICES on the Third Meeting of the Group of Experts on Oceanographic Research as it relates to IGOSS (IRES)".
C:19	G Becker	"Temporal variations of the hydrographical stratification of the northern German Bight".
C:20	Jens Smed	"Report on the IOC/WMO/ICES Working Meeting on 'Manual for IGOSS Data Archiving and Exchange'".
C:21	Jens Smed	"Report on an Informal Meeting on International Oceanographic Data Exchange".
C:22	J Meincke	"Report on the 2nd Meeting of the Working Group on the 'Overflow' Expedition 1973".
C:23 Ref. Gear and Behaviour Cttee	N C Lucaya	"Paper about the sound propagation in the Alboran Sea".
C:24	S H Fonselius	"On nitrate and ammonia in the Baltic Deep water".
C:25	A Svansson and J Szaron	"Preliminary results of sea levels computations in the Baltic with a 20 canals model".
C:26 Ref. Fisheries Impr. Cttee	Jens Smed	"Report on the 2nd Session of the Joint IOC/WMO Planning Group for IGOSS".
C:27	Jens Smed	"Report on the 7th Session of the IOC Working Group on International Oceanographic Data Exchange".
C:28	C Kraan	"Remote sensing of the sea surface temperature off the Netherlands North Sea coast".
C:29*	ICES Hydrographer	"Information on publishing of pre-1963 data from OWS A, I, J, K, L and M".

* for the relevant Cttees
or Working Groups only.

Hydrography Cttee (ctd)

C:30	ICES Hydrographer	"Provisional programme of work for ICES Service Hydrographique 1973/74".
C:31		"Summary of US cruises in the ICES Area".
C:32*	ICES Hydrographer	"Punch cards for marine pollution data and for classical marine chemical data".
C:33*	Jens Smed	"Report on the activities of the Joint Task Team on Interdisciplinary and Interorganisational Data and Information Management and Referral".
C:34	Jens Smed	"Report on the Meeting in 1973 of the ICNAF Environmental Subcommittee".
C:35	Jens Smed	"Monthly charts of temperature and salinity in the Baltic. An experiment".

Contributions from other Committees with Reference to
the Hydrography Committee

E:7 Fisheries Improvement Committee		"Report of the ICES/SCOR Working Group on the Study of Pollution of the Baltic Kiel, 26-29 June 1973".
E:9 Fisheries Improvement Committee	A J Lee	"Report by the Chairman of the Working Group for the International Study of the Pollution of the North Sea and its Effects on Living Resources and their Exploitation".
E:19 Fisheries Improvement Committee	Math. Modelsea	"Mathematical Models of Continental Seas Further results concerning the Southern Bight".
E:22 Fisheries Improvement Committee	A Zsolnay	"The absolute concentration of hydrocarbons in the Baltic in April 1973, determined by a method which was suitable for use at sea".
E:26 Fisheries Improvement Committee	S R Carlberg	"A three year study of the occurrence of non-polar hydrocarbons (oil) in Baltic waters".
E:33 Fisheries Improvement Committee	K H Palmork, S Wilhelmsen and T Neppelberg	"Report on the contribution of polycyclic aromatic hydrocarbons (PAH) to the marine environment from different industries".
F:9 Demersal Fish (N) Committee		"Report on the International O-Group Survey in Faroese, Icelandic and Greenland Waters in July-August 1973".

* for the relevant WG only.

Hydrography Committee (ctd)

F:44
Demersal Fish (N)
Committee

"Report of the Meeting of the Planning Group for a Symposium on Causes of Changes in the North Sea Fish Stocks, IJmuiden 20-21 August 1973".

H:12
Pelagic Fish (N)
Committee

"Report on Joint Soviet-Icelandic Investigations on the Distribution, Behaviour and Availability of Pelagic Fish and Oceanographic Conditions in the Norwegian, Iceland and Greenland Seas in May-June 1973".

H:15
Pelagic Fish (N)
Committee

"Preliminary Report of the International O-Group Fish Survey in the Barents Sea and Adjacent Waters in August-September 1972".

H:16
Pelagic Fish (N)
Committee

Jens Smed

"Temperature and salinity in the North Sea during the ICES Young Herring Survey 1973".

H:17
Pelagic Fish (N)
Committee

Jens Smed

"Temperature and salinity in the North Sea during the ICES Young Herring Survey 1972".

H:25
Pelagic Fish (N)
Committee

"Preliminary Report of the International O-Group Fish Survey in the Barents Sea and Adjacent Waters in August-September 1973".

L:8
Plankton Cttee

J W Ramster,
T Wyatt and
R G Houghton

"Towards a measure of the rate of drift of planktonic organisms in the region of the Straits of Dover".

D - STATISTICS COMMITTEE

D:1		Administrative Report.
D:2*	J A Pope and A Saville	"Scottish fisheries statistics".
D:3*	F Billström	"Swedish fisheries statistics: a description of the current system and the forms used".
D:4		"Report of the Meeting of the Working Group on Eventual Establishment of an ICES ADP System for Fishery Statistics, Charlottenlund Slot, 18-20 June 1973".
D:5	K Michielsen and P Hovart	"Fish landing records at ports in Belgium. A description of methods of collecting statistical data in Belgium".
D:6	Arno Meyer	"The new German log-book system and the working-up of the data".
D:7	K Hoydal	"A new statistical system for the Faroese fishery".
D:8		"Report of the Statistics and Sampling Subcommittee of ICNAF (Copenhagen, 30 May - 1 June 1973)".
D:9	D Griffith	"A comparison of national catch and national sampling activities in the ICES areas".
	Ref. Demersal Fish (N) and Pelagic Fish (N) Cttees	
D:10*	FAO	"Notes for the completion of forms STATLANT 27A and 27B - NE Atlantic Area: Catch/Effort".
D:11*	FAO	"Progress Report on an interagency cooperation in statistical matters".
D:12	ICES Statistician	"Progress Report".
D:13*	J F de Veen	"Netherlands fisheries statistics system".
D:14*	P L Mietle	"The Norwegian fishery statistics system".

Contributions from other Committees with Reference to
the Statistics Committee

C:16 Hydrography Committee	J W Ramster, K J Medler and J A Bedwell	"Fishing intensity in the North Sea and the planning of moored current meter exercises".
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* for the relevant
Committee only

Statistics Cttee (ctd)

F:12
Demersal Fish (N)
Committee

"Report of the Roundfish Working
Group 1973".

H:16
Pelagic Fish (N)
Committee

Hans Lassen,
Bente Mörck-
Larsen and
A F Ismail
Elkarachily

"A method of obtaining estimates of
catch composition in a mixed fishery".

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E - FISHERIES IMPROVEMENT COMMITTEE

E:1		"Administrative Report".
E:2	A Preston	"Report of the XVth Meeting of the Marine Pollution Sub-Committee of IMCO and the Preparatory Committee Meeting for the 1973 Marine Pollution Conference".
E:3	K Lillelund	"An artificial marine food chain for testing the accumulation rate of pesticides - the contamination of <u>Dunaliella</u> with Lindane".
E:4	Grim Berge	"Report of the First Session of the International Co-Ordination Group (ICG) for the Global Investigation of Pollution in the Marine Environment (GIPME)".
E:5	H A Cole and A Franklin	"Report of the ICES Working Group on the Introduction of Non-Indigenous Marine Organisms (London, 26-28 June 1973)".
Ref.Shellfish and Benthos Cttee		
E:6	L Marteil	"Etat actuel de l'introduction d'organismes marins non-indigènes".
E:7		"Report of the ICES/SCOR Working Group on the Study of Pollution of the Baltic, Kiel, 28-29 June 1973".
Ref. Hydrography and Plankton Committees		
E:8	J P Braud, E Etcheverry D. et R Pérez	"Développement de l'algue <u>Macrocystis pyrifera</u> (L.) sur les côtes bretonnes".
Ref.Shellfish and Benthos Cttee		
E:9	A J Lee	"Report by the Chairman of the Working Group for the International Study of the Pollution of the North Sea and its Effects on Living Resources and their Exploitation".
Ref.Hydrography and Plankton Committees		
E:10	R A A Blackman	"Toxicity of oil-sinking agents".
E:11	R S Millner	"Toxicity of paper mill effluent to larvae and spat of the oyster (<u>Crassostrea gigas</u> Thunberg)".
Ref. Shellfish and Benthos Cttee		
E:12	J E Portmann and P Neall	"The relationship between age of fish and the levels of accumulated substances".
E:13	J E Portmann and K W Wilson	"Disposal of wastes at sea: I. Factors to be considered in assessing the suitability of wastes for disposal".
E:14	M S Rolfe	"Disposal of wastes at Sea: II. Factors to be considered in the selection of a dumping ground".

Fisheries Improvement Cttee (ctd)

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| E:15 | K W Wilson
and R A A Blackman | "Observations on the effects of red mud on marine animals". |
| E:16 | K W Wilson
and P M Connor | "The accumulation of mercury and cadmium from water by shrimps". |
| E:17 | R G Kirk | "Adaptation of the young common sole (<u>Solea solea</u> L.) to diets prepared from the mussel, <u>Mytilus edulis</u> L., and the slipper limpet, <u>Crepidula fornicata</u> ". |
| E:18 | R G Kirk | "Growth of sole (<u>Solea solea</u> L.) on enchytraeid worm diets". |
| E:19
Ref. Hydrography
and Plankton Cttees | Math. Modelsea | "Mathematical models of Continental Seas. Further results concerning the Southern Bight". |
| E:20 | R Alderson
and P J Bromley | "A method for rearing larvae of the turbot, <u>Scophthalmus maximus</u> L., to metamorphosis". |
| E:21 | B R Howell | "The effect of unicellular algae on the growth of early larvae of the turbot (<u>Scophthalmus maximus</u> L.)". |
| E:22
Ref. Hydrography
Cttee | A Zsolnay | "The absolute concentration of hydrocarbons in the Baltic in April 1973, determined by a method which was suitable for use at sea". |
| E:23 | R A A Blackman
and P Mackie | "Preliminary results of an experiment to measure the up-take of n-alkane hydrocarbons by fish". |
| E:24 | ICES
General Secretary | "Report on a WHO Working Group Meeting on the Hazards to Health and Ecological Effects of Pollution of the North Sea". |
| E:25
Ref. Marine Mammals
Cttee | A W Mansfield
and D E Sergeant | "Seals as indicators of pollution". |
| E:26 | H A Cole | "Report of the 5th Session of the United Nations Joint Group of Experts on the Scientific Aspects of Marine Pollution (GESAMP) in Vienna, 18-23 June 1973". |
| E:27 | G Mulkins-Phillips
and J E Stewart | "Survey of northwestern Atlantic waters and coastal sediments for hydrocarbon utilising bacteria". |
| E:28
Ref. Hydrography
Cttee | S R Carlberg | "A three year study of the occurrence of non-polar hydrocarbons (oil) in Baltic waters". |
| E:29
Ref. Pelagic Fish
(N) Committee | I G Baxter
and J H Steele | "Mortality of herring larvae in the Clyde Sea area". |

Fisheries Improvement Committee (ctd)

E:30	K J Whittle, P R Mackie, R Hardy and A D MacIntyre	"A survey of hydrocarbons in Scottish coastal waters".
E:31	G Topping, J M Pirie and W C Graham	"Trace metals in zooplankton from Scottish waters".
E:32 Ref. Demersal Fish (N) Committee	J Flüchter and H Trommsdorf	"Nutritive stimulation of spawning in common sole (<u>Solea solea</u> L.)".
E:33 Ref. Hydrography Committee	K H Palmork, S Wilhelmssen and T Neppelberg	"Report on the contribution of polycyclic aromatic hydrocarbons (PAH) to the marine environment from different industries".

Contributions from other Committees with Reference to
the Fisheries Improvement Committee

B:2 Gear and Behaviour Committee	Chairman of the Gear and Behaviour Committee	"Effects of trawls and dredges on the sea-bed".
C:5 Hydrography Committee	P G W Jones, J L Henry and A R Folkard	"The distribution of selected trace metals in the water of the North Sea 1971-73".
C:26 Hydrography Committee	Jens Smed	"Report on the 2nd Session of the Joint IOC/WMO Planning Group for IGOSS".
F:44 Demersal Fish (N) Committee		"Report of the meeting of the Planning Group for a Symposium on Causes of Change in the North Sea Fish Stocks, IJmuiden 20-21 August 1973".
K:5 Shellfish and Benthos Committee	Maria José de Figueiredo	"Some food studies in the larval rearing of <u>Palaemon serratus</u> (Pennant)".
K:7 Shellfish and Benthos Committee	Maria Etelvina Assis and Maria Celeste Nunes	"Sur la prospection de la teneur en cuivre et en fer des huîtres du Tage et du Sado".
K:23 Shellfish and Benthos Committee	G D Pickett and A Franklin	"The effect of recent topographical change on stocks of cockles (<u>Cardium edule</u> L.) in the Burry Inlet, South Wales".
K:30 Shellfish and Benthos Committee	J F Wickins	"The tolerance of prawns to recirculated water".
K:33 Shellfish and Benthos Committee	P F Millican and M M Helm	"Preliminary observations on the culture requirements of the larvae of the Pacific oyster <u>Crassostrea gigas</u> Thunberg

Fisheries Improvement Committee (ctd)

K:35 Shellfish and Benthos Committee	D B Edwards	"Experiments on the survival and yield of relaid seed mussels (<u>Mytilus edulis</u>)".
K:36 Shellfish and Benthos Committee	B E Spencer, D Key, P Millican and M J Thomas	"The effect of tidal exposure on the growth and survival of the Pacific oyster (<u>Crassostrea gigas</u> Thunberg)".
K:39 Shellfish and Benthos Committee	T W Beard and J R M Forster	"A growth experiment with <u>Penaeus monodon</u> Fab. in a closed system".
K:40 Shellfish and Benthos Committee	B E Spencer and D R Williams	"The growth and survival of Pacific oyster spat (<u>Crassostrea gigas</u> Thunberg) after treatment with saturated salt solution".
L:22 Plankton Committee	P Hagel and J W A van Rijn van Alkemade	"Eutrophication of the North Sea".
M:20 Anadromous and Cata- dromous Fish Cttee	Secretary of EIFAC	"Possible areas of active cooperation between EIFAC and ICES".
M:21 Anadromous and Cata- dromous Fish Cttee	R L Saunders	"Atlantic herring as a dietary component for culture of Atlantic salmon".
M:22 Anadromous and Cata- dromous Fish Cttee	H C Freeman and D R Idler	"The effect of polychlorinated biphenyl (PCB) on steroidogenesis and reproduction in the brook trout <u>Salvelinus fontinalis</u> ".
N:2 Marine Mammals Cttee	Y Thibaud et R Duguy	"Teneur en mercure chez les Cétacés des côtes de France".
N:4 Marine Mammals Cttee	R F Addison	"Organochlorine residues in Canadian Arctic marine mammals".
N:9 Marine Mammals Cttee	J H Koeman, J W P M Brus, J J M Goeij, P S Tjice and K J Volkers	"Correlations between mercury and selenium in the tissues of marine mammals".

F - DEMERSAL FISH (NORTHERN) COMMITTEE

- F:1 Administrative Report.
- F:2 "Report of the Working Group on Irish Sea Whiting".
- F:3 "Report of the North-East Arctic Fisheries Working Group".
- F:4 B A Arntz "On the relationship of otolith size to body size in Baltic cod".
- F:5 H Knudsen "On mortality rates for dab in the Belt Sea and the Western Baltic".
- F:6 "Report of the Working Group for Assessment of Demersal Stocks in the Baltic".
- F:7 O Bagge "A preliminary report on Danish cod tagging experiments in the North Sea 1971 and the Kattegat 1972".
- F:8 J Gjøseter "Preliminary results of Norwegian Polar cod investigations 1970-1972".
- F:9
Ref. Hydrography and
Pelagic Fish (N)
Committees "Report on the International O-Group Survey in Faroese, Icelandic and Greenland Waters in July-August 1973".
- F:10 "Report of the Saithe (Coalfish) Working Group".
- F:11 S A Schopka and
J Jónsson "Reassessment of the cod stock at Iceland".
- F:12
Ref. Statistics and
Pelagic Fish (N)
Committees "Report of the Roundfish Working Group 1973".
- F:13 M A Sonina "Peculiarities of the fecundity dynamics of the Arcto-Norwegian haddock (Melanogrammus aeglefinus (Linné))".
- F:14 G Lefranc "Résultats préliminaires de marquages de morue réalisés sur FORTY MILE GROUND en 1970-1971 et 1972".
- F:15 A Müller
and O Bagge "Distribution of cod eggs in Bornholm Basin in 1972".
- F:16 J R G Hislop "Scottish surveys of pelagic O-group gadoids in the northern North Sea, 1969-1972".
- F:17 R S Bailey "Observations on diurnal behaviour patterns of North Sea gadoids before recruitment".

Demersal Fish (N) Cttee (ctd)

F:18		"Report of the North Sea Flatfish Working Group, IJmuiden, 28-31 August 1973".
F:19	S Flatman	"Density-dependent growth in North Sea cod".
F:20	W E Arntz	"The food of adult cod <u>Gadus morhua</u> L. in the Western Baltic".
F:21	F Lamp	"Studies on the migrational behaviour of cod tagged in the German Bight".
F:22	G Rauck	"On the characteristics of plaice otoliths in the North Sea".
F:23	G Rauck	"On the arrival of different groups of young plaice in the Wadden Sea area of the German North Sea".
F:24	A S Baranenkova	"On the methods to determine survival of the eggs of the Barents Sea long rough dab".
F:25	W Strzyzewski, W Szymański and G Zdziebkowski	"Investigations on the selectivity of Baltic cod and flounder carried out in 1972/73".
Ref. Gear and Behaviour Committee		
F:26	T Williams and M Macdonald	"English investigations on the distribution of pelagic 0-group gadoids in the central North Sea in 1972".
F:27		"Report of the North Sea Flatfish Working Group, Charlottenlund, 22-26 January 1973".
F:28	N E Platt	"The incidence of codworm in stocks of cod from Greenland and Iceland waters".
F:29	D H Cushing	"The variability of a yield curve calculated from a stock and recruitment relationship".
F:30	R C A Bannister	"An assessment of the state of the North Sea plaice stock, using English data".
F:31	R C A Bannister	"The result of a virtual population analysis of North Sea plaice data".
F:32	R De Clerck	"Belgian sole and plaice fisheries in the Irish Sea and Bristol Channel".
F:33	R De Clerck	"Tagging experiments on cod off the Belgian coast".
F:34	R De Clerck and J van de Velde	"A study of the spawning and nursery areas of soles along the Belgian coast".

Demersal Fish (N) Cttee (ctd)

F:35		"Report on the I- and II-group cod, haddock and whiting caught during the International Young Herring Survey 1973".
F:36	N Daan	"Dutch investigations on the distribution of pelagic 0-group gadoids in the North Sea 1973".
F:37	N Daan	"Results of Dutch cod egg surveys in the North Sea in 1973".
F:38	N Daan	"Results of a study of consumption and production of North Sea cod".
F:39	Else Nielsen	"On the problem of by-catch in relation to protective measures in the North Sea fisheries for plaice and sole".
F:40	J P Hillis	"Irish Sea whiting: 1973 prospects".
F:41	Ø Ulltang	"The relation between fishing mortality on juveniles and total yield of Arcto-Norwegian cod".
F:42		Withdrawn.
F:43	Arno Meyer	"Introduction to the chapter on Cod in 'Annales Biologiques', Vol.29 (for 1972)".
F:44	Ref. Hydrography, Fisheries Improvement, Pelagic Fish (N), Shellfish and Benthos and Plankton Cttees	"Report of the meeting of the Planning Group for a Symposium on Causes of Change: in the North Sea Fish Stocks, IJmuiden, 20-21 August 1973".
F:45	D W Armstrong and M D Nicholson	"An alternative method for producing age-length keys".
F:46	J R G Hislop	"Scottish underwater tagging experiments 1968-1972".
F:47	J R G Hislop	"Scottish investigations on the abundance and distribution of pelagic 0-group gadoids in the northern North Sea in 1973".
F:48	K MacKenzie and R Wootten	"Parasites as biological tags for whiting populations in the northern North Sea".

Contributions from other Committees with Reference to the Demersal Fish (Northern) Committee

B:9 Gear and Behaviour Committee	J C Brabant, G Lefranc et M Portier	"Tentative d'application de la méthode de détermination de l'effort de pêche du Dr Treschev à une pêcherie de morue du sud de la Mer du Nord".
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Demersal Fish (Northern) Cttee (ctd)

B:24 Gear and Behaviour Committee	A Maucorps et G Lefranc	"Dispositif expérimental permettant de capturer au chalut des poissons vivants".
C:16 Hydrography Committee	J W Ramster, K J Medler and J A Bedwell	"Fishing intensity in the North Sea and the planning of moored current meter exercises".
D:9 Statistics Committee	D Griffith	"A comparison of national catch and national sampling activities in the ICES areas".
E:32 Fisheries Improvement Committee	J Flüchter and H Trommsdorf	"Nutritive stimulation of spawning in common sole (<u>Solea solea</u> L.)".
G:2 Demersal Fish (S) Cttee		"Report of the Working Group on the Assess- ment of the Stocks of Hake".
G:5 Demersal Fish (S) Cttee	R Guichet, J C Quéro et J Labastie	"Estimation de la composition du stock de merlu au nord et à l'ouest de l'Irlande".
G:7 Demersal Fish (S) Cttee	R Guichet	"Estimation de la mortalité totale du merlu".
G:8 Demersal Fish (S) Cttee	J C Quéro et J Labastie	"Une technique pour faciliter la lecture des otolithes des merlus (<u>Merluccius merluccius</u>) de grande taille".
H:15 Pelagic Fish (N) Cttee		"Preliminary Report of the International O-Group Fish Survey in the Barents Sea and Adjacent Waters in August-September 1972".
H:16 Pelagic Fish (N) Cttee	Jens Smed	"Temperature and salinity in the North Sea during the ICES Young Herring Survey 1973".
H:17 Pelagic Fish (N) Cttee	Jens Smed	"Temperature and salinity in the North Sea during the ICES Young Herring Survey 1972".
H:20 Pelagic Fish (N) Cttee	K P Andersen, H Lassen and E Ursin	"A multispecies extension to the Beverton & Holt assessment model, with an account of primary production".
H:23 Pelagic Fish (N) Cttee	Hans Tambs-Lyche	"Periodical O-group and young fish surveys in the North-East Atlantic".
H:25 Pelagic Fish (N) Cttee		"Preliminary Report of the International O-Group Fish Survey in the Barents Sea and Adjacent Waters in August-September 1973".

G - DEMERSAL FISH (SOUTHERN) COMMITTEE

G:1		Administrative Report.	
G:2	Ref. Demersal Fish (N) Committee	"Report of the Working Group on the Assessment of the Stocks of Hake".	
G:3	L N Domanevsky and M V Stiopkina	"The peculiarities of distribution and the first estimation of abundance of the major groundfish species on the north-west African shelf".	
G:4	Ref. Pelagic Fish (S) Committee	Maria de Fátima Oliveira et Olga Moura	"Quelques aspects de la pêche au chalut des côtes portugaises".
G:5	Ref. Demersal Fish (N) Committee	R Guichet, J C Quéro et J Labastie	"Estimation de la composition du stock de merlu au nord et à l'ouest de l'Irlande".
G:6	Ref. Gear and Behaviour Cttee	A Forest	"Biologie et pêche du céteau (<u>Dicologlossa cuneata</u> Moreau) dans le sud du golfe de Gascogne".
G:7	Ref. Demersal Fish (N) Committee	R Guichet	"Estimation de la mortalité totale du merlu".
G:8	Ref. Demersal Fish (N) Committee	J C Quéro et J Labastie	"Une technique pour faciliter la lecture des otolithes des merlus (<u>Merluccius merluccius</u>) de grande taille".
G:9		A Guillou	"Croissance et reproduction de la sole dans le sud du golfe de Gascogne".

Contributions from other Committees with Reference to the
Demersal Fish (Southern) Committee

J:17	Pelagic Fish (S) Committee	J Bravo	"Elasmobranchii off Canary Islands".
J:23	Pelagic Fish (S) Committee	O J Østvedt, J Blindheim, L Føyn, G Berge, O Smedstad and G Vestnes	"Report on a cruise by the RV "G.O.Sars" to West Africa 23 October - 15 December 1972".
J:24	Pelagic Fish (S) Committee	O J Østvedt and J Blindheim	"Studies of the abundance and distribution of fish off West Africa November-December 1972".

H - PELAGIC FISH (NORTHERN) COMMITTEE

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|---|-------------------------------|---|
| H:1 | | Administrative Report. |
| H:2 | | "Report of the Working Group on Celtic Sea Herring Assessment". |
| H:3 | A Lindquist | "Further observations on growth and environment of sprat". |
| H:4 | J Jakobsson | "Population studies on the Icelandic herring stocks". |
| H:5 | R J Wood | "Comparative tests on herring larvae with high-speed plankton samplers employing two sizes of nose cone aperture". |
| Ref. Plankton Committee | | |
| H:6 | A Corten and C J Kuitert | "Report on the International Trawling Survey for Immature Herring in the North Sea 1973". |
| H:7 | G B Grauman and A G Polivaiko | "Changes in spawning efficiency and in population characteristics of Baltic sprat during the spawning season". |
| H:8 | E I Seliverstova | "Recruitment rate of the spawning population of the Atlanto-Scandian herring and the abundance of different groups in the period 1951-1971". |
| H:9 | V V Rossov and V S Zlobin | "On fishery prospects of the zone of the oceanic Polar Front in the North Atlantic". |
| Ref. Plankton Committee | | |
| H:10 | | "Preliminary Report of the ICES Working Group on the Bløden Tagging Experiment - 27 June - 3 July 1973". |
| H:11 | A C Burd | "Recruitment to the North Sea herring stocks". |
| H:12 | | "Report on Joint Soviet-Icelandic Investigations on the distribution, behaviour and availability of pelagic fish and oceanographic conditions in the Norwegian, Iceland and Greenland Seas in May-June 1973". |
| Ref. Hydrography and Plankton Cttees | | |
| H:13 | A Saville and D W McKay | "Report on the International Survey of Herring Larvae in the North Sea and Adjacent Waters in 1972/73". |
| H:14 | K Strzyzewska and J Popiel | "Changes in the growth of herring in the Southern Baltic". |
| H:15 | | "Preliminary Report of the International O-Group Fish Survey in the Barents Sea and Adjacent Waters in August-September 1972". |
| Ref. Hydrography and Demersal Fish (N) Cttees | | |

Pelagic Fish (N) Cttee (ctd)

H:16 Ref. Hydrography and Demersal Fish (N) Committees	Jens Smed	"Temperature and salinity in the North Sea during the ICES Young Herring Survey 1973".
H:17 Ref. Hydrography and Demersal Fish (N) Committees	Jens Smed	"Temperature and salinity in the North Sea during the ICES Young Herring Survey 1972".
H:18 Ref. Statistics Committee	Hans Lassen, Bente Mörck-Larsen and A F Ismail Elkarachily	"A method of obtaining estimates of catch composition in a mixed fishery".
H:19	O Dragesund and Ø Ulltang	"Further studies on stock size fluctuations and rate of exploitation of the Norwegian spring-spawning herring, 1950-1971".
H:20 Ref. Demersal Fish (N) and Plankton Cttees	K P Andersen, H Lassen and E Ursin	"A multispecies extension to the Beverton & Holt assessment model, with an account of primary production".
H:21	Paul H Odense, T C Leung and Christina Annand	"Isoenzyme systems of some Atlantic herring populations".
H:22	E Bakken	"Sprat in Norwegian waters, a short review of biology, fishery and current research".
H:23 Ref. Demersal Fish (N) Committee	Hans Tambs-Lyche	"Periodical 0-group and young fish surveys in the North-East Atlantic".
H:24	A Saville and J A Morrison	"A re-assessment of the herring stock to the west of Scotland".
H:25 Ref. Hydrography and Demersal Fish (N) Committees		"Preliminary Report of the International 0-Group Fish Survey in the Barents Sea and Adjacent waters in August-September 1973".
H:26	G Otterlind	"Swedish herring fishery in the Baltic in 1971-1973".
H:27		"Report of the North Sea Herring Assessment Working Group, 3-7 September 1973".

Contributions from other Committees with Reference to
the Pelagic Fish (Northern) Committee

C:2 Hydrography Committee	J W Ramster, T C Doddington and J W Horwood	"An assessment of water movements in the northern North Sea and off the north coast of Scotland in September 1972".
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Pelagic Fish (Northern) Cttee (ctd)

C:16
Hydrography Committee

J W Ramster,
K J Medler and
J A Bedwell

"Fishing intensity in the North Sea and the planning of moored current meter exercises".

D:9
Statistics Committee

D Griffith

"A comparison of national catch and national sampling activities in the ICES areas".

E:29
Fisheries Improvement
Committee

I G Baxter
and J H Steele

"Mortality of herring larvae in the Clyde Sea area".

F:9
Demersal Fish(Northern)
Committee

"Report on the International O-Group Survey in Faroese, Icelandic and Greenland Waters in July-August 1973".

F:12
Demersal Fish (Northern)
Committee

"Report of the Roundfish Working Group 1973".

F:44
Demersal Fish (Northern)
Committee

"Report of the meeting of the Planning Group for a Symposium on Causes of Changes in the North Sea Fish Stocks, IJmuiden, 20-21 August 1973".

J:10
Pelagic Fish (Southern)
Committee

S Arbault
et N Lacroix

"La ponte de la sardine, du sprat et de l'anchois dans le golfe de Gascogne en 1972".

J:21
Pelagic Fish (Southern)
Committee

J Dann

"Statistics of the English mackerel fishery to the south of the British Isles, 1969-1973".

J - PELAGIC FISH (SOUTHERN) COMMITTEE

- J:1 Administrative Report.
- J:2 "Bibliography of papers published by adherents to the Pelagic Fish (Southern) Committee during 1972".
- J:3 H Aloncle et F Delaporte "Températures internes et régulation thermique chez Thunnus alalunga".
- J:4 H Aloncle, J Hamre, J Rodriguez-Roda and K Tiews "Report of the Bluefin Tuna Working Group. Observations on the size composition of the Bluefin Tuna Catches from 1972".
- J:5 H Aloncle "Activités de l'ICCAT intéressant le Comité des Poissons Pélagiques (Sud) du CIEM".
- J:6 J Gueguen "Précisions sur les migrations de la dorade (Pagellus centrodontus DeLaroche). - Résultats préliminaires d'une campagne de marquages sur la côte cantabrique en janvier 1972".
- J:7 S M Overko and N A Barkova "The peculiarities in distribution and biology of horse-mackerel, Trachurus trecae Cad., from the north-west African coast".
- J:8 D Ya Berenbeim, S M Overko and V A Sedletskaya "On regularities in the variability of the optimum surface temperature in the course of development of the eggs and larvae of horse-mackerel, Trachurus trachurus Linné".
- J:9 António Antunes Dias, Maria Damásia Serrano et Isabel Maria Jorge "Etude de la fécondité de la sardine des côtes portugaises".
- J:10 S Arbault et N Lacroix "La ponte de la sardine, du sprat et de l'anchois dans le golfe de Gascogne en 1972".
- Ref. Pelagic Fish (N) Committee
- J:11 D Guerault et J L Avrilla "L'anchois du golfe de Gascogne - Captures de 1972 - Données biologiques et biométriques".
- J:12 A Vincent, D Guerault et J L Avrilla "La pêche de la sardine du golfe de Gascogne en 1972".
- J:13 R F Fediakhina "Utilization of iodine sample in studies on species structure in commercial fishes".
- J:14 V N Chur "On use of mean index of stomach filling in short-term forecasts of Bigeye Tuna (Thunnus obesus) catches".

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J:15	G P Rudomiotkina	"Distribution of larval tunas (Thunnidae, Berciformes) in the Central Atlantic Ocean".
J:16	A I Galaktionova and V V Ovchinnikov	"On the population structure of the South-African horse-mackerel <u>Trachurus trachurus capensis</u> ".
J:17 Ref. Demersal Fish (S) Committee	J Bravo	"Elasmobranchii off Canary Islands".
J:18	Carmelo Garcia Cabrera and José A Pereiro	"Skipjack fishery at Hierro Island (Canary Islands)".
J:19	D Thompson and S Mostert	"Muscle esterases genotypes in the pilchard <u>Sardinops ocellata</u> ".
J:20	B Habashi and J Wojciechowski	"Observations on the biology of <u>Scomber japonicus</u> off northwest Africa".
J:21 Ref. Pelagic Fish (N) Committee	J Dann	"Statistics of the English mackerel fishery to the south of the British Isles, 1969-1973".
J:22	G Krefft	"Investigations on midwater fish in the Atlantic Ocean".
J:23 Ref. Demersal Fish (S) Committee	O J Østvedt, J Blindheim, L Føyn, G Berge, O Smedstad and G Vestnes	"Report on a cruise by the RV "G. O. Sars" to West Africa 23 October - 15 December 1972".
J:24 Ref. Demersal Fish (S) Committee	O J Østvedt and J Blindheim	"Studies of the abundance and distribution of fish off West Africa November-December 1972".
J:25 Ref. Plankton Committee	W Nellen	"Kinds and abundance of fish larvae in the neuston of patches of upwelled water off West Africa.

Contributions from other Committees with Reference to the

Pelagic Fish (Southern) Committee

G:4 Demersal Fish (S) Committee	Maria de Fátima Oliveira et Olga Moura	"Quelques aspects de la pêche au chalut des côtes portugaises".
L:7 Plankton Committee	Jacqueline Beaudouin	"Relations entre trophoplancton, ichthyoplancton et pêches de sardines et d'anchois en 1971 dans le golfe de Gascogne".

K - SHELLFISH AND BENTHOS COMMITTEE

- K:1 Administrative Report.
- K:2 "Report of the Meeting of the Working Group on Assessment of Pandalus borealis Stocks, 12-15 March 1973".
- K:3 "Bibliography of publications relative to the interests of the ICES Shellfish and Benthos Committee, 1972".
- K:4 Alvarez de Meneses "Etudes biologiques sur le champs d'algues rouges benthiques de la mer Cantabrique".
- K:5 Maria José de "Some food studies in the larval rearing of Palaemon serratus (Pennant)".
Ref. Fisheries
Improvement Cttee
- K:6 Pedro Soares "Sur la répartition et l'évolution de l'altération des branchies de Crassostrea angulata dans le Tage, le Sado et l'Algarve".
Ferreira et António
Antunes Dias
- K:7 Maria Etelvina "Sur la prospection de la teneur en cuivre et en fer des huîtres du Tage et du Sado".
Ref. Fisheries
Improvement Cttee
Assis et Maria
Celeste Nunes
- K:8 B T Hargrave "Comparison of benthic biomass with depth and primary production in some Canadian east coast inshore waters".
Ref. Plankton
Committee
and D L Peer
- K:9 A Charuan "Le cycle d'intermue chez la langoustine. Essai d'application à l'étude de la croissance".
- K:10 H Quiroga "Notes on flat oyster growth (Ostrea edulis L.) in Ría de Ribadeo (NW Spain)".
- K:11 J Marin, "Prédation de l'huître plate, Ostrea edulis, par le crabe enragé, Carcinus maenas".
R Bellail et
D Latrouite
- K:12 D Latrouite "Le bryozoaire encroûtant Conopeum seurati (Canu 1926) compétiteur du naissain d'huîtres plates".
- K:13 H Grizel "La maladie de la glande digestive d'Ostrea edulis Linné".
et G Tige
- K:14 J P Deltreil "Evolution et conséquences de la mortalité de C. angulata dans le bassin d'Arcachon et l'estuaire de la Gironde de 1971 à 1973".
- K:15 M Comps et "Evolution de la mortalité des huîtres portugaises C. angulata dans le bassin de Marennes".
P Gras
- K:16 Mme Le Borge, "Observations sur la reproduction des huîtres dans la Seudre (Bassin de Marennes-Oléron) en 1972".
et MM. Gras, Comps,
Carruesco et Razet

Shellfish and Benthos Cttee (ctd)

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| K:17 | E His | "La reproduction de <u>Crassostrea gigas</u> Thunberg dans le bassin d'Arcachon: bilan de deux années d'observations". |
| K:18 | P A Ayres | "The sanitary control of molluscan shellfish and shellfish-growing waters. Notes on current methods and standards in use in the United Kingdom". |
| K:19 | P A Ayres
and G I Barrow | " <u>Vibrio parahaemolyticus</u> in English shellfisheries and shellfish-growing waters". |
| K:20 | P A Ayres,
Shelia Halls
and E Edwards | "Incidence of <u>Gaffkya homari</u> in natural lobster stocks - preliminary results of a survey of the English and Welsh fisheries". |
| K:21 | D B Bennett | "Offshore tagging of the edible crab (<u>Cancer pagurus</u> L.) in the English Channel: a Progress Report". |
| K:22 | E Edwards | "A review of the lobster fishery of England and Wales". |
| K:23
Ref. Fisheries
Improvement Cttee | G D Pickett
and A Franklin | "The effect of recent topographical changes on stocks of cockles (<u>Cardium edule</u> L.) in the Burry Inlet, South Wales". |
| K:24 | M S Rolfe
and A Franklin | "Tagging of scallops (<u>Pecten maximus</u>) in the English Channel". |
| K:25 | P J Warren | "English trials with the Dutch shrimp sorting machine". |
| K:26 | R Meixner | "Growth and survival of I-group <u>Crassostrea gigas</u> suspended from rafts at the Baltic coast of Schleswig-Holstein (W.Germany)". |
| K:27 | J P Hillis | "Continued growth studies on captive <u>Nephrops norvegicus</u> ". |
| K:28 | J P Hillis | "Some studies on the trawled catch in the fishery for <u>Nephrops norvegicus</u> ". |
| K:29 | V F Bryazgin | "Investigations on ecology and biology of <u>Pandalus borealis</u> in open parts of the northeast Atlantic". |
| K:30
Ref. Fisheries
Improvement Cttee | J F Wickins | "The tolerance of prawns to recirculated water". |
| K:31 | P J Dare | "Seasonal changes in meat condition of sublittoral mussels (<u>Mytilus edulis</u>) in the Conway fishery, North Wales". |
| K:32 | S Munch-Petersen | "A note on the mesh selection in the Danish trawl fishery for <u>Pandalus borealis</u> ". |

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| K:33
Ref. Fisheries
Improvement Cttee | P F Millican and
M M Helm | "Preliminary observations on the culture requirements of the larvae of the Pacific oyster <u>Crassostrea gigas Thunberg</u> ". |
| K:34 | C J Gough | "Observations on the fecundity of the European lobster (<u>Homarus gammarus Milne-Edwards</u>)". |
| K:35
Ref. Fisheries
Improvement Cttee | D B Edwards | "Experiments on the survival and yield of relaid seed mussels (<u>Mytilus edulis</u>)". |
| K:36 | | Withdrawn. |
| K:37 | U H de Graaf
and J F de Veen | " <u>Asterias rubens</u> and the influence of the beam trawl fishery on the bottom fauna". |
| K:38
Ref. Fisheries
Improvement Cttee | B E Spencer,
D Key, P F Millican,
and M J Thomas | "The effect of tidal exposure on the growth and survival of the Pacific oyster (<u>Crassostrea gigas Thunberg</u>)". |
| K:39
Ref. Fisheries
Improvement Cttee | T W Beard
and J R M Forster | "A growth experiment with <u>Penaeus monodon</u> Fab. in a closed system". |
| K:40
Ref. Fisheries
Improvement Cttee | B E Spencer
and D R Williams | "The growth and survival of Pacific oyster spat (<u>Crassostrea gigas Thunberg</u>) after treatment with saturated salt solution". |
| K:41 | K R Gundersen | "A comparison of the toggle and sphyron methods of tagging the lobster (<u>Homarus vulgaris</u> L.)". |
| K:42 | K R Gundersen | "Catch statistics of lobster (<u>Homarus vulgaris</u> L.)". |
| K:43 | K R Gundersen | "Some results of field experiments of tagging the edible crab (<u>Cancer pagurus</u> L.) with the suture and toggle method". |
| K:44 | K R Gundersen | "Feeding of crabs (<u>Cancer pagurus</u> L.)". |
| K:45 | J E Stewart | "Bibliography of Crustacean diseases". |
| K:46 | D E Aiken,
J B Sochasky
and P G Wells | "Ciliate infestation of the blood of lobster, <u>Homarus americanus</u> ". |
| K:47 | D J Scarratt | "Lobster populations on a man made rocky reef. |

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Contributions from other Committees with Reference to
the Shellfish and Benthos Committee

B:2 Gear and Behaviour Committee	Chairman of the Gear and Behaviour Committee	"Effects of trawls and dredges on the sea-bed".
E:5 Fisheries Improvement Committee	H A Cole and A Franklin	"Report of the ICES Working Group on the Introduction of Non-Indigenous Marine Organisms (London, 26-26 June 1973)".
E:6 Fisheries Improvement Committee	J P Braud, H Etcheverry D. et R Pérèz	"Développement de l'algue <u>Macrocystis pyrifera</u> (L.) AG. sur les côtes bretonnes".
E:11 Fisheries Improvement Committee	R S Millner	"Toxicity of paper mill effluent to lar- vae and spat of the oyster (<u>Crassostrea gigas</u> Thunberg)".
F:44 Demersal Fish (N) Committee		"Report of the meeting of the Planning Group for a Symposium on Causes of Changes in the North Sea Fish Stocks, IJmuiden 20-21 August 1973".
M:20 Anadromous and Cata- dromous Fish Cttee	Secretary of EIFAC	"Possible areas of active cooperation between EIFAC and ICES".

L - PLANKTON COMMITTEE

- L:1 Administrative Report.
- L:2 J Krey "A spring bloom of phytoplankton observed by microcalorimetric-, chlorophyll- and protein measurements".
- L:3 J U Lenz "On the amount and size distribution of suspended particulate matter in the Kiel Bight".
- L:4 V S Zlobin and N G Sapronetskaya "Hydrochemical indices of the primary production".
- L:5 S S Drobysheva and M S Soboleva "The abundance of the Barents Sea Euphausiids in 1954-1972".
- L:6 T Platt "Local differences in energy efficiency of natural phytoplankton populations".
- L:7 Jacqueline Beaudouin "Relations entre trophoplancton, ichthyoplancton et pêches de sardines et d'anchois en 1971 dans le golfe de Gascogne".
Ref. Pelagic Fish
(S) Committee
- L:8 J W Ramster, T Wyatt and R G Houghton "Towards a measure of the rate of drift of planktonic organisms in the region of the Straits of Dover".
Ref. Hydrography
Committee
- L:9 Z Ringer "Phytoplankton of the southern Baltic in 1972".
- L:10 H Renk, H Torbicki and St Ochocki "Primary production of the Southern Baltic in 1972".
- L:11 J W Horwood "A model to estimate avoidance from a plankton sampler".
- L:12 T Wyatt "A mechanism for the origin of red tides and some notes on the ecology of dinoflagellates".
- L:13 J W Horwood "Some aspects of the dynamics of Calanus finmarchicus, in a copepod patch, discussed in relation to the stage duration time".
- L:14 D H Cushing "The possible density-dependence of larval mortality and adult mortality in fishes".
- L:15 J Chojnacki "Cladocerans: Bosmina coregoni maritima (P. E. Müller) and Evadne nordmanni (Lowe) in the southern Baltic in 1972".

Plankton Committee (ctd)

L:16	M Gillbricht	"Quantitative aspects of plankton distribution".
L:17	R S Glover, G A Robinson and J M Colebrook	"Surveillance of the plankton".
L:18	J M Colebrook	"Geographical distribution and abundance of the plankton".
L:19	J B L Matthews	"The succession of generations in a population of <u>Meganyctiphanes norvegica</u> with an estimate of the energy flux".
L:20	J G Braun and A R de Léon	"Primary production in the waters between the Canary Islands and the North West Coast of Africa".
L:21	M C Sobral	"Contribution pour la connaissance de la distribution du plancton dans la côte portugaise".
L:22 Ref. Fisheries Improvement Cttee	P Hagel and J W A van Rijn van Alkemade	"Eutrophication of the North Sea".
L:23	D H Cushing	"Annales Biologiques for 1972 - Introduction to Plankton Contributions".

Contributions from other Committees with Reference to the
Plankton Committee

E:7 Fisheries Improvement Committee		"Report of the ICES/SCOR Working Group on the Study of Pollution of the Baltic, Kiel, 26-29 June 1973".
E:9	A J Lee	"Report by the Chairman of the Working Group for the International Study of the Pollution of the North Sea and its Effects on Living Resources and their Exploitation".
x)		
F:44 Demersal Fish (N) Committee		"Report of the meeting of the Planning Group for a Symposium on Causes of Changes in the North Sea Fish Stocks, IJmuiden, 20-21 August 1973".
H:5 Pelagic Fish (N) Committee	R J Wood	"Comparative tests on herring larvae with high-speed plankton samplers employing two sizes of nose cone aperture".
H:9 Pelagic Fish (N) Committee	V V Rossov and V S Zlobin	"On fishery prospects of the zone of the oceanic Polar Front in the North Atlantic".
x) E:19 Fisheries Improvement Committee	Math. Modelsea	"Mathematical Models of Continental Seas Further results concerning the Southern Bight".

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H:12
Pelagic Fish (N)
Committee

"Report on Joint Soviet-Icelandic Investigations on the Distribution, Behaviour and Availability of Pelagic Fish and Oceanographic Conditions in the Norwegian Iceland and Greenland Seas in May-June 1973".

H:20
Pelagic Fish (N)
Committee

K P Andersen,
H Lassen and
E Ursin

"A multispecies extension to the Beverton and Holt assessment model, with an account of primary production".

J:25
Pelagic Fish (S)
Committee

W Nellen

"Kinds and abundance of fish larvae in the neuston of patches of upwelled water off West Africa".

K:6
Shellfish and Benthos
Committee

B T Hargrave
and D L Peer

"Comparison of benthic biomass with depth and primary production in some Canadian east coast inshore waters".

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M - ANADROMOUS AND CATADROMOUS FISH COMMITTEE

M:1		Administrative Report.
M:2	O Christensen	"The Danish salmon fishery in the Norwegian Sea in 1972".
M:3	O Christensen	"Comparable values of catch per unit effort in the Danish salmon fishery in the Norwegian Sea 1969-1972".
M:4	F-W Tesch	"Speed and direction of silver and yellow eels, <u>Anguilla anguilla</u> , released and tracked in the open North Sea".
M:5		"Report of the ICES/ICNAF Joint Working Party on North Atlantic Salmon, Copenhagen 19-23 March 1973".
M:6	Working Group on Baltic Salmon	"Summary of a reference report on Baltic salmon".
M:7	Ref. Gear and Behaviour Committee	F Thurow "Local movements of salmon in the Baltic Sea".
M:8	R H Payne	"The use of serum transferrin polymorphism to determine the stock composition of Atlantic salmon in the West Greenland fishery".
M:9	J Dahl	"A note on lipid in yellow eels (<u>Anguilla anguilla</u> (L.))".
M:10	R Bartel	"The results of tagging rainbow trout <u>Salmo gairdneri</u> Rich. released in the Baltic Sea".
M:11	P Epler and K Bieniarz	"Results of the release of tagged lake-trout (<u>Salmo trutta</u> m. <u>lacustris</u>) into the Dunajec River".
M:12	E Grabda, T Einszporn-Orecka and A Dzidziul	"Results of studies on the health conditions of eels from the Szczecin Bay and the Dabie Lake in the years 1971-1972".
M:13	A S Champion	"The variation in proportion of the grilse (1 sea winter fish) component of the salmon runs in the River Axe, Devon".
M:14	A R Mitans	"Baltic salmon parr population estimation from change of composition caused by smolt descent".
M:15	A E J Went	"Recaptures in Ireland of foreign tagged salmon (1972/73)".

Anadromous and Catadromous Fish Cttee(ctd)

M:16	J Wiktor	"Experiments on breeding of steelhead trout (<u>Salmo gairdneri</u>) roe in Baltic Sea water".
M:17	Jorma Toivonen	"The stock of salmon in the Gulf of Finland".
M:18	C Moriarty	"Biological studies of Irish eels".
M:19	P F Elson and K A Pyefinch	"Report on the international Atlantic salmon smolt tagging tests, 1959-63 and 1969".
M:20 Ref. Gear and Behaviour, Fisheries Improvement and Shellfish and Benthos Committees	Secretary of EIFAC	"Possible Areas of Active Cooperation between the European Inland Fisheries Advisory Commission and the International Council for the Exploration of the Sea".
M:21 Ref. Fisheries Improvement Cttee	R L Saunders	"Atlantic herring as a dietary component for culture of Atlantic salmon".
M:22 Ref. Fisheries Improvement Cttee	H C Freeman and D R Idler	"The effect of polychlorinated biphenyl (PCB) on steroidogenesis and reproduction in the brook trout <u>Salvelinus fontinalis</u> ".
M:23	G E Turner	"Migration route and timing of Miramichi River salmon (<u>Salmo salar</u>) as indicated from recaptures of tagged smolt and adult salmon".
M:24	J A Ritter	"Evidence of variable tag loss among nine groups of hatchery-reared Atlantic salmon smolts released in 1973".
M:25	R W Gray	"Preliminary assessment of the contribution of hatchery-reared smolts (<u>Salmo salar</u> L.) released in 1970-71 in the Saint John River, New Brunswick, to various fisheries and the spawning escapement".
M:26	A. Isaksson	"Results of tagging experiments at the Kollafjörður Fish Farm from 1970 through 1972".
M:27	J Møller Jensen	"Salmon survey in the Irminger Sea, 1973"

N - MARINE MAMMALS COMMITTEE

N:1		Administrative Report (+ Addendum).
N:2	Y Thibaud et R Duguy	"Teneur en mercure chez les Cétacés des côtes de France".
Ref. Fisheries Improvement Cttee		
N:3	S G Brown	"Canadian whale marking in the North Atlantic 1960-1972".
N:4	R F Addison	"Organochlorine residues in Canadian Arctic marine mammals".
Ref. Fisheries Improvement Cttee		
N:5	J H Prime	"Infection of young Grey Seals with stomach nematodes".
N:6	I Koivisto and M Helminen	"Present status of the ringed seal (<u>Pusa hispidus</u>) in Lake Saimaa in Finland".
N:7	Christina Lockyer	"Observations on diving behaviour in the sperm whale, <u>Physeter catodon</u> ".
N:8	F O Kapel	"Some second-hand reports on the food of harp seals in West Greenland waters".
N:9	J H Koeman, J W P M Brus, J J M Goelj, P S Tjioe and K J Volkers	"Correlations between mercury and selenium in the tissues of marine mammals".
Ref. Fisheries Improvement Cttee		

Contribution from another Committee with Reference to the
Marine Mammals Committee

E:25	A W Mansfield and D E Sergeant	"Seals as indicators of pollution".
Fisheries Improvement Committee		

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