

Contributions to be presented at the Statutory Meeting

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Contributions to be presented at the Statutory Meeting.

Gen General Assembly Reports and

Papers of General Interest

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| Gen:1 | | Observers' Reports presented to the General Assembly. |
| Gen:2 | Hans Tambs-Lyche | "Note concerning Recommendations and Reports". |
| Gen:3 | FAO | "Report by the FAO Department of Fisheries to the 58th Statutory Meeting". |
| Gen:4 | | "Extract of the Proceedings of the ICNAF Research and Statistics Committee". |
| Gen:5 | Hans Tambs-Lyche | "Elections of Committee Chairmen at the 58th Statutory Meeting". |
| Gen:6 | | "Second International Congress on the History of Oceanography: Challenger Expedition Centenary, Edinburgh, 12-20 September 1972". |

Contributions to be presented at the Statutory Meeting.

Del - DELEGATES MEETINGS

- Del:1* "Estimated Statement of Accounts for 1969/1970".
- Del:2* "Preliminary Report of the Administration for the Year 1/11-1969 to 31/10-1970".
- Del:3* "Budget for the Financial Year 1970/1971".
- Del:4* "Forecast Budget for the Financial Year 1971/1972".
- Del:5* "Audited Accounts for the Financial Year 1/11-1968 to 31/10-1969".
- Del:6* "The Council's Budgeting Procedure".
- Del:7* "Proposals for Amendments of the Rules of Procedure".
- Del:8* "Elections to be undertaken at the 58th Statutory Meeting".
- Del:9* "Convention on the Continental Shelf".

* for Delegates only.

Contributions to be presented at the Statutory Meeting.

Li: LIAISON COMMITTEE

Fi: FINANCE COMMITTEE

Fi:1* Finance Committee Agenda.

Ed: EDITORIAL COMMITTEE

Ed:1 "Review of the Publications".

Ed:2 "Sales of ICES' Publications for the last three Years".

Ed:3 "Editorial Policy and Possible Changes in the Contents of 'Annales Biologiques'".

Contribution from other Committees with
Reference to the Editorial Committee

L:15 J. H. Fraser "Plankton Identification Sheets. Editor's
Plankton Report for 1969-70".
Cttee.

A: CONSULTATIVE COMMITTEE

A:1* Agenda for the Consultative Committee.

A:2* Note concerning contributions for Council Meeting.

* for the relevant
Committees only.

Contributions to be presented at the Statutory Meeting.

B: GEAR AND BEHAVIOUR COMMITTEE

- B:1 "Administrative Report".
- B:2 "Report of the Third Meeting of the ICES/ICNAF Joint Working Group on Selectivity Analysis".
- B:3 "Report of the Working Group to Study Characteristics of Fishing Vessels in Terms of their Effect on Fishing Effort Measurement".
- Ref.Spec. Meeting
- B:4 S. J. de Groot & G. P. Boonstra "Preliminary notes on the development of an electrical ticklet chain for sole (Solea solea L.)".
- B:5 G. P. Boonstra & S. J. de Groot "Report on the development of an electrified shrimp trawl in the Netherlands".
- B:6 A. R. Margetts "Report on the 6th Meeting of Sub-Committee 9, Textile Products for Fishing Nets, of the International Organisation for Standardisation Technical Committee 38 - Textiles, in Hamburg, 12-13 November 1969".
- B:7 L. Midttun & O. Nakken "On acoustic identification, sizing and abundance estimation of fish".
- B:8 O. Wrzesiński "A note on the influence of temperature on the behaviour of cod shoals".
- Ref.Dem(N) Cttee.
- B:9 P. Scholes & A. E. Urquhart "The apparent relationship between wind direction and the catch in Lowestoft trawlers; a description of the skippers' log sheets and data input forms for computer processing".
- B:10 J. P. Bridger "Some effects of the passage of a trawl over the seabed".
- B:11 H. v. Seydlitz "Fish concentration and water temperature".
- B:12 A. R. Margetts & B. B. Parrish "The FAO Technical Conference on Fish-Finding, Purse-Seining and Aired Trawling, held at Reykjavik, May 1970".
- B:13 J. J. Forster & C.C. Hemmings "Theory and practice".
- B:14 D. N. MacLennon "Evaluation on gear performance by physical measurement; state of the art and a forward look".
- B:15 P. Hovart and G. Vanden Broucke "Fishing gear and fishing power of beam trawlers".
- B:16 P. Hovart and G. Vanden Broucke "Effect of wind on catches".

Gear and Behaviour Cttee. (ctd.)

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

No.16 Special Meeting	F. de Beer	"Tonnage certificate data as fishing power parameters".
No.19 Special Meeting	R. Guichet	"Relations entre le pouvoir de pêche et les caractéristiques des chalutiers de La Rochelle dans la pêche du merlu".
No.23 Special Meeting	W. Karger	"Remarks on the relationship between fishing power and vessel characteristics (Stern trawlers with mid-water trawls)".
M:9 Anacat. Cttee.	M. Kaulin	"German salmon drift-net experiments in the Baltic".
No.15 Spec. Meeting	E. J. de Boer	"Comments on the use of brake horse power as a parameter for the fishing power".

Contributions to be presented at the Statutory Meeting.

C: HYDROGRAPHY COMMITTEE

C:1 Ref. Dem(N) and (S), Pel (N) and (S), and Anacat.Cttees.	R. C. Junghans	"The Status of IGOSS".
C:2	H. D. Dooley	"Major features of current flow adjacent to the Scottish east coast".
C:3	H. D. Dooley	"Strong residual currents near Fair Isle".
C:4	K. Ya. Mratov	"On formation of water gyres in the eastern tropical Atlantic".
C:5	N. F. Paliy and A. D. Kirichek	"On the thermal dome and the water circulation south-east of Cape Verde".
C:6	A. Glowńska	"A review of influxes of saline waters from the west and their effects within particular water layers upon the total salinity in the Bornholm Deep for the period 1948-1970".
C:7 Ref. Plankton Cttee.	G. Weichart	"Continuous recording of surface temperature and phosphate concentration in the upwelling area off North-West Africa".
C:8	S. H. Fonselius and Ch. Rattanasen	"On the water renewals in the Eastern Gotland Basin after World War II".
C:9		"The Council's Hydrographic Publications".
C:10		"The future of the 'Interlaboratory Information on Techniques and Methods for Sea-Water Analysis'".
C:11	Jens Smed	"Report on the 3rd Meeting of the Joint WMO/IOC Group of Experts on Co-ordination of Requirements".
C:12 Ref. Pel(N), Dem(N) and Plankton Cttees.	Jens Smed	"Synoptic charts based upon the hydrographic investigations in the North Sea in connection with the ICES Young Herring Survey, January-March, 1970".
C:13	Jens Smed	"Activities of ICES Service Hydrographique 1969/70".
C:14	Jens Smed	"Provisional programme of work for ICES Service Hydrographique 1970/71".
C:15	Jens Smed	"Publications from ICES Service Hydrographique, issued in 1969/70 or planned for 1970/71".

C:16	Jens Smed	"An appraisal of the possibilities for production of synoptic oceanographic charts in the ICES region".
C:17 Ref.Pel(N), Dem(N) and Plankton Cttees.	Jens Smed	"Monthly synoptic charts of temperature and salinity at 10 m depth and at bottom in ICES statistical area IIIa: a trial for May and June 1970".
C:18	Jens Smed	"Note on annual inventories of oceanographic data".
C:19	Jens Smed	"Note on the 'Monthly Means of Surface Temperature and Salinity for Areas of the North Sea and the North-Eastern North Atlantic'".
C:20	Jens Smed	"Inventories, data lists and analyses of observations from Ocean Weather Stations A, I, J, K and M".
C:21	L. Otto	"The mean residual transport pattern in the southern North Sea".
C:22	A. J. Meerburg	"A diffusion experiment near an amphidromic point in the North Sea".
C:23 Ref.Fish. Impr.Cttee.	S. R. Carlberg and C.B.Skarstedt	"Some results of determination and monitoring of oil content in sea water".
C:24	A. G. Kislyakov (+) and V.V. Rossov	"The North-Atlantic Current on Dynamic Charts".
C:25	J. W. Ramster	"Current measurements from stations moored at Rockall in April/May 1969".
C:26 Ref.Fish. Impr.Cttee.		"7th Conference of Baltic Oceanographers (Helsinki, May 11-15, 1970). Agenda and Recommendations".
C:27	F. Hermann and O.Vagn Olsen	"Long-term fluctuations in oxygen and phosphate concentrations in the Kattegat, the Belt Sea and the western Baltic".
C:28		"Working Groups of the Hydrography Committee".
C:29	J. W. Ramster	"The United States national data buoy development project".
C:30	A. J. Lee	"Introduction to the Hydrography chapter in Vol.26 of 'Annales Biologiques'".
C:31	ICES Service Hydrographique	"National ship codes used in the ICES Punch Card System as per 1st August 1970".

Hydrography Cttee. (ctd.)

C:32

"Collaboration with WMO in collection, storage and retrieval of data".

C:33

F. Koroleff

"World-wide intercalibration arranged by ICES/SCOR. Progress Report, September 1970".

Contributions from other Committees with Reference to
the Hydrography Committee

H:22
Pelagic
Fish (N)
Cttee.

"Report on Joint Soviet and Icelandic Investigations of pelagic fish in relation to oceanographic conditions in the Norwegian and Iceland Seas in May-June 1970".

L:2
Plankton
Cttee.

M.-L. Furnestin

"Desiderata du Comité du Plancton dans le domaine hydrologique".

Contributions to be presented at the Statutory Meeting.

D: STATISTICS COMMITTEE

D:1		" Administrative Report".
D:2	J. Møller Christensen	"Statistical Editor's Report".
D:3	FAO	"Progress Report to ICES on various statistical matters".
D:4		"Advance Release of Tables 1-5 of Bulletin Statistique, Volume 54, 1969".
D:5	J. Møller Christensen	"Data submitted for Statistical Newsletters for 1968".
	Ref. Dem(N) and Pel(N) Cttees.	

Contribution from Special Meeting with Reference to the Statistics Committee

No.24	ICES' Statistician	"Effort data published by ICES".
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Contributions to be presented at the Statutory Meeting.

E: FISHERIES IMPROVEMENT COMMITTEE

- E:1 "Administrative Report".
- E:2 H. Mann "The toxicity of amino acid chelating agents".
- E:3 B. I. Dybern "Report of the 2nd Meeting of the U.N. Joint Group of Experts on the Scientific Aspects of Marine Pollution (GESAMP), Paris, 2-6 March 1970".
- E:4 J. F. Endes "Pesticide residue levels in mussels in Irish coastal waters".
Ref. & M. Crowley
Shellfish & Benthos Cttee.
- E:5 H.-J. Schlotfeldt "Preliminary results on the influence of anionic detergents and metal salts on Crangon crangon".
Ref. Shellfish & Benthos Cttee.
- E:6 J. F. Wickins "The food value of brine shrimp (Artemia salina L.) to larvae of the prawn (Palaemon serratus Pennant)".
- E:7 B. E. Spencer "The growth of the spat of the European flat oyster (Ostrea edulis L.), in a closed water system".
- E:8 R. G. J. Shelton "The effects of dumping of sewage sludge on the fauna of the outer Thames estuary".
- E:9 J. E. Portmann "Monitoring of organochlorine residues in fish from round England and Wales, with special reference to polychlorinated biphenyls (PCBs)".
- E:10 R. E. Drinnan "The introduction of the European flat oyster (Ostrea edulis) to eastern Canada".
- E:11 R. G. Kirk "Growth of hatchery-reared juvenile plaice (Pleuronectes platessa L.) on live and artificial foods".
& B. R. Howell
- E:12 B. Böhle "Cultivation of mussels (Mytilus edulis) by use of net bags".
Ref. Shellfish & Benthos Cttee.
- E:13 G. Otterliind "Swedish records of sturgeons (Acipenser guldentäddti and A. baeri) introduced into the Baltic by the USSR".
Ref. Anacot. Cttee.
- E:14 D. J. Scarratt, "Some biological and chemical investigations of a major winter oil spill on the Canadian east coast".
J. B. Sprague,
D. G. Wilder,
V. Zitko and
J. M. Anderson

Fisheries Improvement Cttee. (ctd.)

E:15 Ref. Shellfish and Benthos Cttee.	Ann Stirling	"Observations on the response of the benthic bivalve <u>Tellina tenuis</u> to pollutants".
E:16	H. A. Cole	"Report of 1st Meeting of the Working Group on the Introduction of Non-indigenous Marine Organisms".

Contributions from other Committees with Reference to the
Fisheries Improvement Committee

C:23 Hydrography Cttee.	S. R. Carlberg & C.B. Skarstedt	"Some results of determination and monitoring of oil content in sea water".
C:26 Hydrography Cttee.		"7th Conference of Baltic Oceanographers (Helsinki, May 11-15, 1970). Agenda and Recommendations".
K:12 Shellfish & Benthos Cttee.	P. C. Wood & P. A. Ayres	"Mussel toxicity and dinoflagellate distribution off north-east Britain in 1970".
K:11 Shellfish & Benthos Cttee.	D. J. Alderman	"Progress on research into oyster gill disease in the United Kingdom in 1970".
M:5 Anacat. Cttee.	L. Wehrmann	"Tagging experiments in fishes with magnetic tags".
M:8 Anacat. Cttee.	C. T. Hatfield & J.M. Anderson	Effect of two insecticides on the vulnerability of Atlantic salmon parr to trout predation."

Contributions to be presented at the Statutory Meeting.

F: DEMERSAL FISH (NORTHERN) COMMITTEE

- F:1 "Administrative Report".
- F:2 "Report of the Meeting of the North-East Arctic Fisheries Working Group, Copenhagen, 14-16 January 1970".
- F:3 "Report of the Meeting of the Coalfish Working Group, Copenhagen, January 12-13, 1970".
- F:4 F. Thurow "Sex ratio in the western Baltic stock of cod".
- F:5 M. Vitinsh "Experimental release of tagged flounders in the central part of Gotland Deep in 1969".
- F:6 W. Templeman "Vertebral numbers of Greenland halibut, Reinhardtius hippoglossoides, from the north-west Atlantic".
- F:7 G. Lefranc "Premiers résultats des marquages de morue effectués en août 1969 dans la région du Dogger Bank".
- F:8 G. Lefranc "L'exploitation du stock de morue du Détroit du Pas-de-Calais en 1969".
- F:9 S. Rymaszewski "Some observations on the distribution and composition of demersal fish stocks in the north-east Arctic region, made during a cruise of the Polish research vessel m/t "Wieczno" (April-June 1969)".
- F:10 H. Knudsen "On the Danish whiting fishery in Kattegat".
- F:11 J. Lahn-Johannessen "The Norwegian fisheries for sandeel".
- F:12 J. R. G. Hislop "Preliminary investigations on the pelagic 0-group phase of some demersal gadoids".
- F:13 J. Lahn-Johannessen & N. Radhakrishnan "Observations on silver smelts (Argentina sp.) from the Norwegian Deep".
- F:14 "Report of the North Sea Flatfish Working Group (1970)".
- F:15 "Interim Report of the North Sea Cod Working Group".
- F:16 R. C. A. Bannister
P.V.A. Callan &
M. J. Rogers "Maximum age and the yield of North Sea plaice".
- F:17 R. C. A. Bannister "The fecundity of North Sea plaice".
- F:18 J. Lahn-Johannessen & N. Radhakrishnan "Further investigations on Norway pout from the North Sea".
- F:19 V.P. Ponomarenko "The structure of otoliths and the reasons for changing the ratio between the abundances of populations of the Barents Sea cod".

Demersal Fish (N) Cttee. (ctd.)

- F:20 V. N. Shleinik "Distribution and migrations of Polar cod in the eastern Barents Sea".
- F:21 T. S. Berger "Some data on plaice in the Murmansk coast waters".
- F:22 M. A. Sonina "Factors determining haddock stocks in the Barents Sea".
- F:23 A. S. Polonsky & I.P. Golubiatnikova "Size and age composition of saithe in catches of Soviet vessels taken from the North Sea and adjacent areas".
- F:24 G. P. Nizovtsev "Migrations of Greenland halibut Reinhardtius hippoglossoides Walb. in Icelandic waters".
- F:25 A. S. Polonsky & V.S. Proskurnja "Size and age composition of Norway pout (Trisopterus esmarkii Nilsson) in the catches of Soviet vessels in the North Sea and the area of the Hebrides".
- F:26 Withdrawn.
- F:27 O. Bagge "Danish cod tagging experiments in the Baltic 1968 and 1969".
- F:28 P. Solemdal "Intraspecific variations, in size, buoyancy and growth of eggs and early larvae of Arcto-Norwegian cod, Gadus morhua L., due to parental and environmental effects".
- F:29 P. Solemdal "Variations in physical properties of pelagic eggs in different populations - genetic aspects".
- F:30 P. Solemdal "The reproductive adaptation of marine teleosts to water of low salinity".
- F:31 Ref. Pel. (N) and Dem (S) Cttees. R. S. Bailey "A re-interpretation of age determination in the blue whiting Micromesistius poutassou".
- F:32 Withdrawn.
- F:33 R. Jones "A note on filter feeding in haddock and cod".
- F:34 M. Kosior & J. Netzel "Report on Polish cod investigations in the southern Baltic in the years 1968-1970".

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

- B:8 Gear & Beh. Cttee. O. Wrzesiński "A note on the influence of temperature on the behaviour of cod shoals".

Demersal Fish (N) Cttee. (ctd.)

C:1 Hydrography Cttee.	R. Junghans	"The Status of IGOSS".
C:12 Hydrography Cttee.	Jens Smed	"Synoptic charts based upon the hydro- graphic investigations in the North Sea in connection with the ICES Young Herring Survey, January-March 1970".
C:17 Hydrography Cttee.	Jens Smed	"Monthly synoptic charts of temperature and salinity at 10 m depth and at bottom in ICES statistical area IIIa: a trial for May and June 1970".
D:5 Statistics Cttee.	J. Møller Christensen	"Data submitted for Statistical News Letters for 1968".
H:31 Pelagic (N) Cttee.	D. H. Cushing & J. G. K. Harris	"The error on a stock and recruitment curve".
H:33 Pelagic (N) Cttee.		"Preliminary Report of Joint Icelandic- Norwegian Investigations in the Area between Iceland and East Greenland, August 1970".
H:34 Pelagic (N) Cttee.		"Preliminary Report of the Joint Soviet Norwegian O-Group Fish Survey in the Barents Sea and Adjacent Waters in August/September 1970".
L:18 Plankton Cttee.	T. Pommeranz	"Resistance of plaice eggs to mechanical stress".

Contributions to be presented at the Statutory Meeting.

G: DEMERSAL FISH (SOUTHERN) COMMITTEE

- G:1 "Administrative Report".
- G:2 A. Fonteneau "La pêche au chalut sur le plateau continental ivoirien: équilibre maximal des captures".
- G:3 J. Razniewski,
Ref. J. Wiktor &
Pel(S) A. Wysokinski
Cttee. "Essai d'évaluation des changements des ressources des principales espèces des poissons du nord-ouest de l'Afrique d'après les résultats des pêches polonaises dans la période de 1965 à 1969".
- G:4 J. Gueguen "Déplacements saisonniers de la dorade. Essai d'interprétation des statistiques de La Rochelle (1966-1968) et des premières expériences de marquage".
- G:5 A. Guillou "La pêche artisanale à La Rochelle. Sa contribution aux apports de merlu".

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

- No.19 R. Guichet "Relations entre le pouvoir de pêche et les caractéristiques des chalutiers de La Rochelle dans la pêche du merlu".
Spec. Meeting
- C:1 R. Junghans "The Status of IGOSS".
Hydrography Cttee.
- H:22 "Report of Joint Soviet and
Pelagic Iceland investigations of pelagic fish
(N) Cttee. in relation to oceanographic conditions in the Norwegian and Iceland Seas in May-June 1970".
- H:31 D. H. Cushing "The error on a stock and recruitment
Pelagic & J. G. K. Harris curve".
(N) Cttee.

Contributions to be presented at the Statutory Meeting.

H: PELAGIC FISH (NORTHERN) COMMITTEE

- H:1 "Administrative Report".
- H:2 "Report on the state of herring stocks around Ireland and north-west of Scotland, December 1969".
- H:3 L. N. Lisivnenko & M. N. Lishev "Number and growth of eggs of autumn-spawning herring at the eastern coast of the Gulf of Riga".
- H:4 R. J. Wood "Report on the international surveys of herring larvae in the North Sea and adjacent waters in 1969/70".
- H:5 J. Gjøsaeter "Age, growth, reproduction and feeding of Benthosema glaciale (Myctophidae) from Western Norway".
- H:6 "Report of the North Sea Herring Assessment Working Group".
- H:7 A. Saville & D.W. McKay "Tests of the efficiency of various high speed samplers for catching herring larvae".
Ref. Plankton Cttee.
- H:8 J. Molloy "The spawning of herring off the south coast of Ireland".
- H:9 J. Molloy "Nematodes in Irish herring".
- H:10 J. Sosiński "The fecundity of winter-spring spawning herring of the Norwegian Channel".
- H:11 P. Ciszewski "Some observations on quantitative occurrence and distribution of herring larvae in the North Sea and on the Celtic Shelf".
Ref. Plankton Cttee.
- H:12 J. Jakobsson "The biological position of the 'Faroese Bank' herring within the Atlanto-Scandian herring stocks".
- H:13 K. Schubert "Report on the International Trawling Survey for Immature Herring in the North Sea 1970".
- H:14 W. Weber "Mortality of herring and relative strength of the herring stocks in the western Baltic".
- H:15 R. J. Wood "On the abundance and distribution of 0-group herring along the English east coast in July 1970".
- H:16 A. C. Burd & W. G. Parnell "The relationship between larval abundance and stocks in the North Sea herring".
- H:17 Yu. K. Benko & V. S. Bakanov "Population structure of the Atlanto-Scandian herring in the Norwegian Sea".
- H:18 A. F. Iysenko "Soviet studies on immature herring in the North Sea in 1969".

Pelagic Fish (N) Cttee. (ctd.)

- H:19 I. G. Yudanov "Spawning efficiency and abundance estimation of Atlanto-Scandian herring, based on the results of sampling on the spawning grounds, 1969".
- H:20 V. V. Penin "Heat condition of the waters and a migration pattern of the Norwegian herring".
- H:21 E.I. Seliverstova "Comparative characteristics of the Atlanto-Scandian herring of the 1950 and 1959 year-classes (ratio of types of growth; a rate of sexual maturity)".
- H:22 Ref. Dem. (S), Plankton & Hydrogr. Cttees. "Report on Joint Soviet and Icelandic investigations of pelagic fish in relation to oceanographic conditions in the Norwegian and Iceland Seas in May-June 1970".
- H:23 G. Otterlind "Swedish herring fishery in the Baltic".
- H:24 P. Agger "Danish tagging experiment with mackerel (Scomber scombrus) 1959, 1967, 1968 and 1969".
- H:25 J. Hamre "Internal tagging experiments of mackerel in the Skagerak and north-eastern North Sea".
- H:26 J. Hamre "Size and exploitation of the mackerel stock in the Skagerak and north-eastern North Sea".
- H:27 Withdrawn.
- H:28 T. Sluiter & J. J. Zijlstra "Egg size and fecundity of the Veerse Meer herring".
- H:29 A. Saville "The stock fished by the Scottish herring fishery to the west of Shetland".
- H:30 J. J. Zijlstra "Introduction to the Herring chapter of "Annales Biologiques", Vol.26 (for 1969)".
- H:31 Ref. Dem. (N) and (S) and Pel. (S) Cttees. D. H. Cushing & J. G. K. Harris "The error on a stock and recruitment curve".
- H:32 J. A. Pope & W. B. Hall "A statistical analysis of morphometric characters in Buchan and Kobbergrund herring".
- H:33 Ref. Dem(N) Cttee. "Preliminary Report of the Joint Icelandic-Norwegian Investigations in the area between Iceland and East Greenland, August 1970".
- H:34 Ref. Dem(N) Cttee. "Preliminary Report of the Joint Soviet-Norwegian O-Group Fish Survey in the Barents Sea and Adjacent Waters in August/September 1970".

Pelagic Fish (N) Cttee. (ctd.)

Contributions from other Committees with Reference to the

Pelagic Fish (Northern) Committee

C:1 Hydrogr. Cttee.	R. Junghans	"The Status of IGOS".
C:12 Hydrogr. Cttee.	Jens Smed	"Synoptic charts based upon the hydrographic investigations in the North Sea in connection with the ICES Young Herring Survey, January-March 1970".
C:17	Jens Smed	"Monthly synoptic charts of temperature and salinity at 10 m depth and at bottom in ICES statistical area IIIa: a trial for May and June 1970".
D:5 Statistics Cttee.	J. Møller Christensen	"Data submitted for Statistical News Letters for 1968".
F:31 Dem(N) Cttee.	R. S. Bailey	"A re-interpretation of age determination in the blue whiting <u>Micromesistius poutassou</u> ".

Contributions to be presented at the Statutory Meeting.

J: PELAGIC FISH (SOUTHERN) COMMITTEE

- J:1 "Administrative Report".
- J:2 J. Hamre,
C. Maurin,
J. Rodriguez-Roda
& H. Tiews "Report from the Bluefin Tuna Working Group. Observations on the size composition of bluefin tuna catches from 1969".
- J:3 H. Aloncle
& F. Delaporte "Populations et activité de Thunnus alalunga de l'Atlantique nord-est étudiées en fonction du parasitisme stomacal".
- J:4 S. Arbault
Ref. & N. Lacroix
Plankton Cttee. "Oeufs et larves de Clupéidés et d'Engraulidés dans le Golfe de Gascogne en 1969".
- J:5 F. F. Paliy "On certain oceanographic features limiting depth range distribution of Abacore".
- J:6 V. G. Kolesnikov
& S. M. Overko "Features of dynamic processes in the central-eastern Atlantic Ocean and their effects on horse-mackerel".
- J:7 Krystyna Wiktor "La composition de la nourriture du maquereau (Scomber colias) des eaux côtières de l'Afrique du nord-ouest".
- J:8 H. Aloncle
et F. Delaporte "Un thon rouge (Thunnus thynnus) traverse l'Atlantique d'est en ouest".

Contributions from other Committees with Reference to the

Pelagic Fish (Southern) Committee

- C:1 R. Junghans "The Status of IGOS".
Hydrography Cttee.
- G:3 J. Razniowski,
Dem (S) J. Wiktor
Cttee. & A. Wysokinski "Essai d'évaluation des changements des ressources des principales espèces des poissons du Nord-Ouest de l'Afrique d'après les résultats des pêches polonaises dans la période de 1965 à 1969".
- H:31 D. H. Cushing
Pel(N) & J. G. K. Harris
Cttee. "The error on a stock and recruitment curve".

Contributions to be presented at the Statutory Meeting.

K: SHELLFISH AND BENTHOS COMMITTEE

- K:1 "Administrative Report".
- K:2 "Bibliography of papers published by members of the Shellfish and Benthos Committee during 1969".
- K:3 E. His "Comparaison de la filtration entre une population de Crassostrea angulata Imk. et une population de Crassostrea gigas Thunberg élevées dans le Bassin d'Arcachon".
- K:4 M. Comps "Observations sur les causes d'une mortalité anormale des huîtres plates (Ostrea edulis L.) dans le Bassin de Marennes".
- K:5 H. Eiriksson "The Nephrops fishery of Iceland 1958-1969".
- K:6 H. Eiriksson "On the breeding cycle and fecundity of the Norway lobster at south-west Iceland".
- K:7 S. Garcia & P. Petit "Biologie de la crevette rose Penaeus duorarum (Burk.) en côte d'Ivoire: croissance".
- K:8 J. Porębski "La participation des céphalopodes d'utilisation industrielle dans les produits de pêche polonaise au large de la côte nord-est de l'Afrique".
- K:9 B. T. Hepper "Observations on the growth of crawfish (Palinurus vulgaris Latr.) off the coast of Cornwall".
- K:10 B. T. Hepper "The growth at moulting of lobsters, Homarus vulgaris Milne-Edwards, in the Menai Straits, North Wales".
- K:11 Ref. Fish. Impr. Cttee. D. J. Alderman "Progress on research into oyster gill disease in the United Kingdom in 1970".
- K:12 Ref. Plankton & Fish. Impr. Cttees. P. C. Wood & P. A. Ayres "Mussel toxicity and dinoflagellate distribution off north-east Britain in 1970".
- K:13 D. B. Bennet "Crab tagging in south west England; an interim report".
- K:14 R. Boddeke "The crisis in the Dutch shrimp fisheries in 1969".
- K:15 U. Skúladóttir "The deep-sea prawn (Pandalus borealis) fisheries in Icelandic waters".

Shellfish and Benthos Cttee. (ctd.)

K:16	V. Dethlefsen	"On the parasitology of <u>Mytilus edulis</u> (L. 1758)".
K:17	H. J. Thomas	"The <u>Nephrops</u> fisheries of the ICES area".
K:18	K. R. Gundersen	"Artificial feeding of crabs (<u>Cancer pagurus</u>)".
K:19	J. Mason	"A comparison of various gears used in catching queens and scallops in Scottish waters".
K:20	E. Smidt	"The <u>Pandalus</u> fisheries of the ICES area".

Contributions from other Committees with Reference to the

Shellfish and Benthos Committee

E:4 Fisheries Impr.Cttee.	J. F. Eades & M. Crowley	"Pesticide residue levels in mussels in Irish coastal waters".
E:5 Fisheries Impr.Cttee.	H.-J. Schlotfeldt	"Preliminary results on the influence of anionic detergents and metal salts on <u>Crangon crangon</u> ".
E:12 Fisheries Impr. Cttee.	B. Böhle	"Cultivation of mussels (<u>Mytilus edulis</u>) by use of net bags".
E:15 Fisheries Impr.Cttee.	Ann Stirling	"Observations on the response of the benthic bivalve <u>Tellina tenuis</u> to pollutants".
L:13 Plankton Cttee.	L. Marteil & G. Paulmier	"Le phytoplancton des 'eaux rouges' sur les côtes européennes de l'Atlantique".

Contributions to be presented at the Statutory Meeting.

L: PLANKTON COMMITTEE

- L:1 "Administrative Report".
- L:2 M.-L. Furnestin "Desiderata du Comité du Plancton dans
Ref. Hydrogr. le domaine hydrologique".
Cttee.
- L:3 Trevor Platt "Spatial heterogeneity in phytoplankton
populations".
- L:4 V. S. Zlobin "Uptake and regeneration of phosphates
on the section along 67°30'N in the
Norwegian Sea in 1969 as evidence of
metabolism of cells of phytoplankton".
- L:5 J. Beaudouin "Aperçu sur le peuplement planctonique
au large du Golfe de Gascogne".
- L:6 M.-L. Furnestin "Chaetognathes des eaux Canariennes".
- L:7 J.-P. Casanova, "Inventaire de quelques pêches planctoniques
B. Casanova- profondes de l'Atlantique Ouest-Ibérique".
Soulie,
F. Ducret et
J. Rampal
- L:8 J. Krey "Primary production and seasonal cycle
and Sarma of phytoplankton in Kiel Bight during
1967 and 1968 and its relation to
environmental factors".
- L:9 Sarma "The pattern of spring bloom of phyto-
plankton in the Baltic Sea during 1968
and the mechanism causing its outburst".
- L:10 J. Krey "A comparison of typical vertical
and Sarma profiles of primary production and standing
crop of phytoplankton in various types
of marine localities".
- L:11 B. Zak "Anomalies in the body structure of the
jellyfishes Aurelia aurita L. and Cyanea
capillata L. in the Baltic Sea".
- L:12 W. Marikowski "Polish investigations in zooplankton
in the southern and central Baltic in
1969".
- L:13 L. Marteil "Le phytoplankton des 'eaux rouges'
Ref. & G. Paulmier sur les côtes européennes de l'Atlantique".
Shellfish
and Benth.
Cttee.
- L:14 Y. Dandonneau "Un phénomène d'eaux rouges au large de
la côte d'Ivoire causé par Gymnodinium
splendens Lebour".

Plankton Cttee. (ctd.)

L:15 Ref. Editorial Cttee.	J. H. Fraser	"Plankton Identification Sheets. Editor's Report for 1969-1970".
L:16	J. Lenz	"Quantitative plankton sampling. A new type of plankton pump".
L:17	J. A. Adams & D. D. Seaton	"Some observations on the dinoflagellates of Scottish inshore waters".
L:18 Ref. Dem. (N) Cttee.	T. Pommeranz	"Resistance of plaice eggs to mechanical stress".
L:19	G. R. Hasle	"Trends of present diatom research". (Abstract).

Contributions from other Committees with Reference to the

Plankton Committee

C:7 Hydrography Cttee.	G. Weichart	"Continuous recording of surface temperature and phosphate concentration in the upwelling area off North-West Africa".
C:12 Hydrography Cttee.	Jens Smed	"Synoptic charts based upon the hydrographic investigations in the North Sea in connection with the ICES Young Herring Survey, January-March 1970".
C:17 Hydrography Cttee.	Jens Smed	"Monthly synoptic charts of temperature and salinity at 10 m depth and at bottom in ICES statistical area IIIa: a trial for May and June 1970".
H:7 Pelagic (N) Cttee.	A. Saville & D. W. McKay	"Tests of the efficiency of various high speed samplers for catching herring larvae".
H:11 Pelagic (N) Cttee.	P. Ciszewski	"Some observations on quantitative occurrence and distribution of herring larvae in the North Sea and on the Celtic Shelf".
H:22 Pelagic (N) Cttee.		"Report on Joint Soviet and Iceland Investigations of pelagic fish in relation to oceanographic conditions in the Norwegian and Iceland Seas in May-June 1970".
J:4 Pelagic (S) Cttee.	S. Arbault & N. Lacroix	"Oeufs et larves de Clupéidés et d'Engraulidés dans le Golfe de Gascogne en 1969".
K:12 Shellfish and Benthos Cttee.	P. C. Wood & P. A. Ayres	"Mussel toxicity and dinoflagellate distribution off north-east Britain in 1970".

Contributions to be presented at the Statutory Meeting.

M: ANADROMOUS AND CATADROMOUS FISH COMMITTEE

M:1		"Administrative Report".
M:2	Ole Christensen	"The Danish salmon fishery in the Norwegian Sea in 1967, 1968 and 1969".
M:3	F. Chrzan	"Some data on salmon and sea-trout caught off the Polish coasts".
M:4		"Report of the ICES/ICNAF Joint Working Party on North Atlantic Salmon, London, 2-5 February 1970".
M:5	L. Wehrmann	"Tagging experiments in fishes with magnetic tags".
	Ref. Fish.Impr. Cttee.	
M:6	Th. Gudjónsson	"The releases and returns of tagged salmon at Kollafjordur, Iceland".
M:7	A. M. Sutterlin	"Chemoreception in Atlantic salmon (<u>Salmo salar</u>)".
M:8	C. T. Hatfield & J. M. Anderson	"Effect of two insecticides on the vulnerability of Atlantic salmon parr to trout predation".
	Ref. Fish.Impr. Cttee.	
M:9	M. Kaulin	"German salmon drift-net experiments in the Baltic".
	Ref. Gear & Beh.Cttee.	
M:10	W. M. Shearer & W. R. Munro	"Observations on Scottish grilse and salmon catches".
M:11	A. Swain & A. S. Champion	"Variations in salmon runs of the River Axe".
M:12	A. S. Champion	"An examination with particular reference to the River Axe project, of the problems involved in isolating the effect of the West Greenland fishery on British stocks of the Atlantic salmon".

Contributions from other Committees with Reference to the
Anadromous and Catadromous Fish Committee

C:1	R. Junghans	"The Status of IGOSS".
	Hydrography Cttee.	
E:13	G. Otterlind	"Swedish records of sturgeons (<u>Acipenser gildenstädti</u> and <u>A. baeri</u>) introduced into the Baltic by the USSR".
	Fish. Impr. Cttee.	

Contributions to be presented at the Statutory Meeting.

N: MARINE MAMMALS COMMITTEE

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| N:1 | | "Administrative Report". |
| N:2 | S. G. Brown | "Whale marking in the North Atlantic in post-war years". |
| N:3 | W. N. Bonner | "Exploitation and conservation of seals in Great Britain". |
| N:4 | D. E. Sergeant | "Sea mammals and man: a look into the future". |
| N:5 | K. Ronald | "The blood property in the young and old harp seal". |
| N:6 | | "The ICES/ICNAF/IBP Symposium on the Biology of Seals". |