

Contributions to be presented at the Statutory Meeting.

Contents

Gen	General Assembly Reports and Papers of General Interest
Del	Delegates Meetings Documents
Li	Liaison Committee
Fi	Finance Committee
Ed	Editorial Committee
A	Consultative Committee
B	Gear and Behaviour Committee
C	Hydrography Committee
D	Statistics Committee
E	Fisheries Improvement Committee
F	Demersal Fish (Northern) Committee
G	Demersal Fish (Southern) Committee
H	Pelagic Fish (Northern) Committee
J	Pelagic Fish (Southern) Committee
K	Shellfish and Benthos Committee
L	Plankton Committee
M	Anadromous and Catadromous Fish Committee
N	Marine Mammals Committee

Contributions to be presented at the Statutory Meeting.

Gen: General Assembly Reports and

Papers of General Interest

Gen:1		Observers' Reports presented to the General Assembly.
Gen:1/Suppl.	E. Feyn	"Report on the Study Course in Chemical Oceanography, arranged by ICES with the Support of UNESCO".
Gen:2	FAO	"Report by the FAO Department of Fisheries to the 57th Statutory Meeting of ICES".
Gen:3	A. E. J. Went	"Report on the Sixth Session of the Intergovernmental Oceanographic Commission".
Gen:4		"Extract of the Report of the 1969 Meeting of the Research and Statistics Committee of ICNAF".
Gen:5		"Election of Committee Chairmen at the 57th Statutory Meeting".

Contributions to be presented at the Statutory Meeting.

Del: DELEGATES MEETINGS

- Del:1^x) "Estimated Statement of Accounts for 1968/1969".
- Del:2^x) "Preliminary Report of the Administration for the Year 1/11-1968 to 31/10-1969".
- Del:3^x) "Convention on the Continental Shelf".
- Del:4^x) "Election of Bureau Members at the 57th Statutory Meeting".
- Del:5^x) "The scale of contributions from Member Countries".

x) for the Delegates only.

Contributions to be presented at the Statutory Meeting.

Li: LIAISON COMMITTEE

- Li:1^x) "Note on the greater silver smelt".
Li:2^x) "Note on the North Atlantic saury".

Fi: FINANCE COMMITTEE

- Fi:1^x) "Agenda for the Finance Committee".

Ed: EDITORIAL COMMITTEE

- Ed:1^x) "Report of the Meeting of the Editorial Committee,
London, 12th May 1969".
Ed:2^x) "Sales of ICES Publications for the last three
years".
Ed:3^x) General Secretary "Possible transfer of 'Journal du Conseil' to
a commercial firm".
Ed:4^x) General Secretary "Review of the publications".

Contributions from other Committees with Reference to
the Editorial Committee

- I:2 J. H. Fraser "Plankton Identification Sheets. Editors'
Plankton & Vagn Kr. Hansen Report 1968-69".
Cttee.

A. CONSULTATIVE COMMITTEE

- A:1^x) "Agenda for the Consultative Committee".

^x) for the relevant Committees
only.

Contributions to be presented at the Statutory Meeting.

B. GEAR AND BEHAVIOUR COMMITTEE

- B:1 "Administrative Report/Gear and Behaviour Committee".
- B:2 A. von Brandt "Mesh measurement in salmon drift-nets".
Ref.
Anacat.
- B:3 L. Midttun "Report from the ICES/FAO Acoustic Training Course held in Svolvær, Norway, 2-15 March 1969".
- B:4 I. Hoff "A log sheet for use on acoustic fish surveys".
& D. F. S. Raitt
- B:5 T. Laevastu "Effects of ocean thermal structure on fish finding with sonar".
Ref.
Hydrogr.
- B:6 H. v. Seidlitz "A thermosonde for the trawl fishery".
- B:7 Per S. Enger "Nervous response in the fish brain to pure tones and to noise".
- B:8 G. Klust "Identification of netting yarns made of synthetic fibres"
- B:9 "Report of the Working Group to Study Characteristics of Fishing Vessels in terms of their Effect on Fishing Effort Measurement".
- B:10 J. G. de Wit "Proposals on a future working pattern of the Gear and Behaviour Committee".
- B:11 G. Kurc "Etude préliminaire d'un chalut sélectif pour la pêche des langoustines et des merlus".
Ref.
Shellfish
& Benthos
& J. Betus
- B:12 G. Freytag "Investigations on noises caused by fishing vessels and their sources".
& W. Karger
- B:13 "Report of the Joint ICES/ICNAF Working Group on Selectivity Analysis. Comparative selectivity of bottom trawls made of different materials (Moscow, March 1969, and Charlottenlund, September 1969)".
- B:14 F. R. Harden Jones "An apparent effect of wind direction on the catch of a Lowestoft trawler".
Ref.
Dem. (N)
& C. Cheeseman
- B:15 O. Christensen "Progress Report on experimental fishery with salmon drift nets".
Ref.
Anacat.

Gear and Behaviour Cttee. (ctd.)

B:16	J. F. de Veen	"Escape through the belly in beam-trawls".
B:17	D. W. McLeese	"Detection of chemical odours by the lobster, <u>Homarus americanus</u> ".
B:18	H. J. Bohl	"Preliminary results of German mesh-selection experiments on cod and redfish off Iceland and Newfoundland".
B:19 Ref. Shellfish & Benthos Cttee.	R. Abbès & N. Warluzel	"Sélectivité des chaluts en polyamide dans la pêche de la langoustine".

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

D:8 Stat. Cttee.		"Draft Prospectus. Special Meeting on Methods for Measurement of Fishing Effort for Different Fisheries, and Application of such Methods for Fishery Statistics".
D:11 Stat. Cttee.	J. Møller Christensen	"Report of the OECD Meeting on Fishing Fleet Statistics".
G:5 Dem.(S) Cttee.		"Plans for 'Cooperative Investigations of the Northern Part of the Eastern Central Atlantic (CINECA)".
L:19 Plankton Cttee.	D. Harding, J. H. Nichols & D. S. Tungate	"Comparative tests with high-speed plankton samplers".

Contributions to be presented at the Statutory Meeting.

C. HYDROGRAPHY COMMITTEE

C:1		"Administrative Report/Hydrography Committee".
C:2	M. P. Visser	"On the light regime of the southern North Sea".
Ref. Plankton		
C:3	A. Glowńska	"Results of Polish hydrographical observations in the Southern Baltic May 1968-February 1969".
C:4	H. D. Dooley and J. H. A. Martin	"Currents at the continental slope of the northern North Sea".
C:5	D. Kohnke	"On the value of attenuation measurements in an upwelling area".
C:6	E. Mittelstaedt	"A note on internal tides in the upwelling area off NW-Africa".
C:7	R. R. Dickson	"On the relationship between ocean transparency and the depth of the sonic scattering layers in the North Atlantic".
Ref. Plankton Cttee.		
C:8	F. Koroleff	"Determination of total nitrogen in natural waters by means of persulfate oxidation".
Ref. Plankton Cttee.		
C:9	F. Koroleff	"Direct determination of ammonia in natural waters as indophenol blue".
Ref. Plankton Cttee.		
C:10		"Working Groups of the Hydrography Committee".
C:11	J. Smed	"Report on the 1st Meeting of the IOC/WMO Session on the Integrated Global Ocean Station System".
C:12		"Replies to circular on availability of data for synoptic oceanographic charts".
C:13	J. Smed	"Activities of the ICES Service Hydrographique 1968/69".
C:14	A. Svansson	"A semi-permanent automatic current meter station in the eastern Skagerrak".
C:15	J. D. Riley & J. W. Ramster	"The pattern of bottom currents along the coast of East Anglia in 1968".
C:16	J. W. Talbot & G. A. Talbot	"Some aspects of the variation of turbulent energy in the sea during the RHEINO experiment".

Hydrography Committee (ctd.)

- C:17 K. Palmork "Amino-acids in sea-water by gaschromatography".
- C:18 "Publishing of oceanographic data collected at OWS A, I, J, K and M".
- C:19 "Hydrographic requirements of the Plankton Committee".

Contributions from other Committees with Reference
to the Hydrography Committee

- B:5 T. Laevastu "Effects of ocean thermal structure on fish
Gear & Beh. finding with sonar".
Cttee.
- E:5 "Report of the Working Group on Pollution
Fish.Impr. of the Baltic".
Cttee.
- E:21 A. Voipio "On total phosphorus content in the northern
Fish.Impr. Baltic Sea".
Cttee.
- G:5 "Plans for 'Cooperative Investigations of the
Dem.(S) Northern Part of the Eastern Central Atlantic
Cttee. (CINECA)!".
- H:18 L. V. Shirokov "On the influence of abiotic factors upon the
Pel.(N) strength of Downs and Dogger herring year-
Cttee. classes in the North Sea".
- H:24 G. Wagner, "Preliminary report of investigations on
Pel.(N) Schulz, Atlanto-Scandian herring and the hydrographic
Cttee. H. Dornheim situation in the Norwegian Sea (June/July 1969)".
& Lenz
- H:26 "Report on the joint investigations by Iceland,
Pel.(N) Norway and USSR on the distribution of herring
Cttee. in relation to hydrography and plankton in the
Norwegian Sea May/June 1969".
- J:10^x) G. Kurc "Les variations de la situation thermique dans
Pel.(S) & A. Vincent le Golfe de Gascogne, et leur incidence sur
Cttee. l'écologie et la pêche de la sardine en 1968".
- L:10 M.-L. Furnestin, "Plancton de l'upwelling ibérique.
Plankton Ch. Allain II. Observations complémentaires sur les
Cttee. & M. R. Calandra Chaetognathes".
- L:18 J. W. Talbot "Some thoughts on the diffusion of
Plankton planktonic ova and larvae".
Cttee.

x) for the relevant
Committees only.

Contributions to be presented at the Statutory Meeting.

D. STATISTICS COMMITTEE

D:1		"Administrative Report/Statistics Committee".
D:2	J. Møller Christensen	"Statistical Editor's Report".
D:3	FAO	"Report of the Sixth Session of the Coordinating Working Party on Atlantic Fishery Statistics". (In English and French).
D:4 ^x)	FAO	"STANA 1 E and 2 Forms and Notes for their Completion".
D:5	FAO	"Quantity Conversion Factors for Use in Fishery Statistics".
D:6	FAO	"Fishery Statistical Notes: Northeast Atlantic Statistical Area (FAO Fishing Area 27)".
D:7	FAO	"Northeast Atlantic: Nominal Catches, 1968".
D:8 Ref. Gear & Beh. Cttee.		"Draft Prospectus. Special Meeting on Methods for Measurement of Fishing Effort for Different Fisheries, and Application of such Methods for Fishery Statistics". (In English and French).
D:9 Ref. Pel(S) & Dem(S) Cttees.	FAO	"Eastern Central Atlantic: Fishery Statistics, 1967".
D:10	J. Møller Christensen	"Proposal for a revised numbering of statistical rectangles".
D:11 Ref. Gear & Beh. Cttee.	J. Møller Christensen	"Report of the OECD Meeting on Fishing Fleet Statistics".
D:12	J. Møller Christensen	"Draft Table for Bulletin Statistique giving Long-Term Series of Nominal Catch Statistics".
D:13	Hans Tambs-Lyche and J. Møller Christensen	"Note on change of boundaries between NEAFC Regions I and II".
D:14		"Proposal of changing the name of the Form STANA 2 to: STATLANF 1".

Contributions from other Committees with reference
to the Statistics Committee

K:2 Shellfish & Benthos Cttee.	J. Møller Christensen	"Proposal for revision of the international standard statistical classification of molluscs and crustaceans".
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x) for the relevant Committee only.

Contributions to be presented at the Statutory Meeting.

E. FISHERIES IMPROVEMENT COMMITTEE

- E:1 "Administrative Report/Fisheries Improvement Committee".
- E:2 J. B. Timpson "Biological magnification of organo-chlorine pesticide residues in brown trout (Salmo trutta) and their environment".
- E:3 H. Kuhl "On the formation of various biocenoses in a concrete brackish water pond".
Ref.
Shellfish
Cttee.
- E:4 H. Mann "On the decomposition of detergents in sea-water".
- E:5 "Report of the Working Group on Pollution of the Baltic".
Ref.
Hydrogr.
Cttee.
- E:6 J. R. M. Forster & T. W. Beard "Some experiments on the preparation of a compounded diet for the prawn Palaemon serratus Pennant".
- E:7 N. M. Helm "The effect of diet on the culture of the larvae of the European flat oyster Ostrea edulis".
- E:8 J. E. Portmann "Further data on the occurrence of pesticides in oysters".
- E:9 J. E. Portmann "A summary of the results of toxicity tests with 36 oil-dispersing mixtures".
- E:10 A. C. Simpson "The benefits and dangers in the introduction of fish and shellfish to the ICES area from other parts of the world".
- E:11 J. F. Wickins "Preliminary experiments in the culture of the prawn Pandalus platyceros (Brandt) and the giant prawn Macrobrachium rosenbergii (de Man)".
- E:12 H. Ackefors "Recent advances in mercury investigations with special reference to fish".
- E:13 H. Ackefors & S. H. Fonselius Preliminary investigations on the effect of sand suction work on the bottom in the Øresund".
- E:14 S. Jensen, A. G. Johnels, M. Olsson & G. Otterlind "Contamination from DDT and PCB in certain organisms in Swedish marine waters".
- E:15 H. A. Cole "Report on the First Meeting of the Joint Group of Experts on Marine Pollution".
- E:16 Withdrawn.

Fisheries Improvement Cttee. (ctd.)

- E:17 W. Kühnhold "Effect of water soluble substances of crude oil on eggs and larvae of cod and herring".
- E:18 V. Zitko,
D. E. Aiken,
S. N. Tibbo,
K. W. T. Berch
& J. M. Anderson "Toxicity of yellow phosphorus to herring (Clupea harengus), Atlantic salmon (Salmo salar L.), lobster (Homarus americanus), and beach flea (Gammarus oceanicus Segerstråle)".
- E:19 J. M. Anderson
& H. B. Prins "Effect of sublethal DDT on a simple reflex in brook trout".
- E:20 R. G. Kirk "The fecundity and fertility of the enchytraeid worm, Lumbricillus rivalis, a live food for post-larval flatfish".
Ref.
Dem(N)
Cttee.
- E:21 A. Voipio "On total phosphorus content in the northern Baltic Sea".
Ref.
Hydrogr.
Cttee.
- E:22 A. V. Holden "Organochlorine residues in seals".

Contributions from other Committees with reference to
the Fisheries Improvement Committee

- F:24 J. E. Shelbourne "Growth of captive plaice larvae".
Dem(N)
Cttee.
- F:27 R. Alderson "The survival of flatfish eggs, larvae and post larvae in low concentrations of free chlorine".
Dem(N)
Cttee.
- K:8 J. Moreau "La composition hivernale des eaux de claires à huîtres en ions Mg⁺⁺ et Ca⁺⁺ en rapport avec la teneur en phosphore minéral".
Shellfish
and Benth.
Cttee.
- K:20 B. T. Hepper "A case of insecticide poisoning in stored lobsters".
Shellfish
and Benth.
Cttee.
- L:12 E. de Sousa e Silva
& Maria E. Assis "Pigments in sea-water samples of Ria de Faro-Olhão and the predominant plankton".
Plankton
Cttee.
- L:15 T. Braarud "Pollution effect upon the phytoplankton of the Oslofjord".
Plankton
Cttee.

Contributions to be presented at the Statutory Meeting.

F. DEMERSAL FISH (NORTHERN) COMMITTEE

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| F:1 | | "Administrative Report/Demersal Fish (Northern) Committee". |
| F:2 | | "North-East Arctic Fisheries Working Group. Report of Meeting at Copenhagen, January 13th to 17th 1969". |
| F:3 | | "Report of the 1969 Coalfish Working Group". |
| F:4 | S. J. de Groot | "The occurrence of <u>Bothricephalus scorpii</u> Müller (Cestoda) in turbot and brill from Dutch coastal waters". |
| F:5 | N. Daan | "Cod tagging experiments in Dutch coastal waters". |
| F:6 | M. A. Sonina | "Forecasting methods of autumn migrations of haddock in the Barents Sea". |
| F:7 | N. P. Biriukov | "Spawning communities of Baltic Sea cod and extent of their mixing". |
| F:8 | T. S. Berger | "Features of migration and distribution of cod in the southern Barents Sea in 1968". |
| F:9 | W. Cieglewicz
& G. Hoppe | "The relation between the water temperature and the rate of growth of flounder (<u>Platichthys flesus</u> L.) in Gdańsk Bay". |
| F:10 | Maria Kosior | "Total mortality of cod from the southern Baltic in 1965-1969". |
| F:11
+ Suppl. | J. Netzel | "Report of Polish cod tagging experiments in the southern Baltic in 1969". |
| F:12
Ref.
Dem(S)
Cttee. | A. Wysokiński | "A method of cleaving otoliths of some gadoid fish to facilitate age-readings". |
| F:13 | G. P. Nizovtsev
& M. F. Trambachev | "Soviet investigations on young cod of the 0, I, II, and III age-groups in the Barents Sea". |
| F:14 | G. Lefranc | "Résultats des marquages de morue effectués en septembre 1967 dans la région du Dogger Bank". |
| F:15 | G. Lefranc | "L'exploitation du stock de morue du Détroit du Pas-de-Calais en 1967 et 1968". |
| F:16 | G. Rauck | "A simple way for tagging flatfish by means of a tagging gun". |
| F:17 | K. Tiews
& F. Lamp | "Further comparative tagging experiments on Baltic cod". |

Demersal Fish (Northern) Cttee. (ctd.)

F:18	N. Daan	"Some results of young cod research in the North Sea".
F:19	A. Hylan	"Expected year-class strength and yield of Arctic cod".
F:20	E. Smidt	"The Greenland halibut in Greenland waters".
F:21	J. F. de Veen	"Recent changes in growth and fecundity in the common sole in the eastern North Sea".
F:22	M. J. Holden	"Possible alteration of the length-girth ratio of Arcto-Norwegian cod".
F:23	R. W. Blacker	"FAO Synopsis on Haddock".
F:24 Ref. Fish. Impr. Cttee.	J. E. Shelbourne	"Growth of captive plaice larvae".
F:25	D. J. Garrod	"Results of an echo-survey off north Iceland, July 1969".
F:26	G. Otterlind	"Preliminary report on Swedish cod tagging experiments in the Baltic in 1969".
F:27 Ref. Fish.Impr. Cttee.	R. Alderson	"The survival of flatfish eggs, larvae and post larvae in low concentrations of free chlorine".
F:28	F. Thurow	"On the development of sexual maturity in cod, <u>Gadus morhua</u> (L.), of the Kiel Bay".
F:29	O. Bagge	"Preliminary results of the cod tagging experiments in the Western Baltic 1969".
F:30	O. Bagge	"Preliminary results of cod tagging experiments in the Baltic proper 1968 and 1969".
F:31 Ref. Plankton Cttee.	R. S. Bailey & D. D. Seaton	"Observations on spawning and distribution of spawning products of blue whiting at Rockall".
F:32	C. T. Macer	"Variations in catch-rates in the fishery for sand-eels (Ammodytidae) in the North Sea".
F:33 Ref. Pel.(N) Cttee.		"Preliminary report on the international O-group survey in the Barents Sea and adjacent waters August/September 1968".
F:34 Ref. Pel(N) Cttee.		"Preliminary report on the international O-group survey in the Barents Sea and adjacent waters August/September 1969".

Demersal Fish (Northern) Cttee. (ctd.)

Contributions from other Committees with Reference

to the Demersal Fish (Northern) Committee

B:14 Gear & Beh.Cttee.	F. R. Harden Jones & C. Cheeseman	"An apparent effect of wind direction on the catch of a Lowestoft trawler".
E:20 Fisheries Impr.Cttee.	R. G. Kirk	"The fecundity and fertility of the enchytraeid worm, <u>Lumbricillus rivalis</u> , a live food for post-larval flatfish".
G:2 Dem.Fish. (S) Cttee.		"Report of the Hake Working Group".
L:24 Plankton Cttee.	D. D. Seaton & R. S. Bailey	"The identification and development of the eggs of blue whiting (<u>Micromesistius poutassou</u>)".
H:8 Pel.(N) Cttee.	Olav Aasen	"Method of estimating mortality in fish stocks".

Contributions to be presented at the Statutory Meeting.

G. DEMERSAL FISH (SOUTHERN) COMMITTEE

G:1		"Administrative Report/Demersal Fish (Southern) Committee".
G:2		"Report of the Hake Working Group".
Ref. Dem(N) Cttee.		
G:3	FAO	"Report of the ACMRR/ICES Working Party on the Fishery Resources of the Eastern Central and Southeast Atlantic". (In English and French).
Ref. Pel.(S), Stat. Cttees.		
G:4 ^x	FAO	"Report of the First Session of the FAO Fishery Committee for the Eastern Central Atlantic (CECAF)". (In English and French).
Ref. Pel.(S) Cttee.		
G:5		"Plans for 'Cooperative Investigations of the Northern Part of the Eastern Central Atlantic (CINECA)'".
Ref. Pel.(S), Hydrogr., Plankton, Gear & Beh.Cttees.		
G:6	R. Guichet & M. Meriel-Bussy	"Association du merlu et du merlan bleu dans Le Golfe de Gascogne".
G:7	R. Guichet	"Croissance du merlan bleu, <u>Micromesistius poutassou</u> (Risso), dans le Golfe de Gascogne".
G:8	M. Meriel-Bussy & L. Hédé-Hatry	"Estimation de la mortalité totale du merlu dans le Golfe de Gascogne".
G:9	J. Gueguen	"Evolution des rendements et des captures de dorade dans les trois principaux ports français de l'Atlantique, de 1955 à 1967".

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

D:9	FAO	"Eastern Central Atlantic: Fishery Statistics, 1967".
Stat. Cttee.		
F:12	A. Wysokiński	"A method of cleaving otoliths of some gadoid fish to facilitate age-readings".
Dem.(N) Cttee.		
J:9	B. A. Friomina	"The report on the infection of some commercial fish species off the north-west coast of Africa".
Pel.(S) Cttee.		
H:3	Olav Ansen	"Method of estimating mortality in fish stocks".
Pel.(N) Cttee		

Contributions to be presented at the Statutory Meeting.

H. PELAGIC FISH (NORTHERN) COMMITTEE

H:1 + Suppl.		"Administrative Report/Pelagic Fish (Northern) Committee".
H:2	J. J. Zijlstra	"List of publications on herring (<u>Clupea harengus L.</u>) in the years 1965, 1966 and 1967".
H:3		"Report of the Working Group on the Bløden Tagging Experiment, January 20th-22nd 1969".
H:4		"Preliminary Report of the Assessment Group of North Sea Herring".
H:4/Suppl.		"Corrections to Preliminary Report of the Assessment Group of North Sea Herring".
H:5		"Report of the Working Group on Atlanto- Scandian Herring".
H:6 Ref. Pel.(S) Cttee.	A. Revheim	"The Norwegian mackerel fisheries in the Skagerrak and northern North Sea".
H:7 Ref. Pel.(S) Cttee.	J. P. Castello, J. Hamre & A. Revheim	"Age and growth of mackerel from Skagerrak and northern North Sea".
H:8 Ref. Dem.(N), Dem.(S), Pel.(S) and Anacat.Cttees.	Olav Aasen	"Method of estimating mortality in fish stocks".
H:9	K. H. Postuma & J. J. Zijlstra	"Report on the international trawling survey for immature herring in the North Sea, 1969".
H:10	J. J. Zijlstra	"Egg weights of North Sea herring (<u>Clupea harengus L.</u>)".
H:11	I. G. Yudanov	"Estimation of the abundance of the 1968 year-class of Atlanto-Scandian herring on the main spawning grounds in the Norwegian Sea".
H:12	A. Kompowski	"Types of otoliths of southern Baltic herring".
H:13	J. Sosiniski	"The types of otoliths of the Dunmore herring (South Ireland)".
H:14	J. Molloy	"Mortalities in the Dunmore East herring stock 1967/68 - 1968/69".
H:15	J. Molloy	"Investigations on herring off the north- west coast of Ireland, 1968/69".
H:16	K. Hoydal	"Preliminary notes on the Faroese herring".

Polagic Fish (Northern) Cttee. (ctd.)

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| H:17 | A. Saville | "Larval abundance and year-class strength in the Buchan stock of herring". |
| H:18
Ref.
Hydrogr.
Cttee. | L. V. Shirokov | "On the influence of abiotic factors upon the strength of Downs and Dogger herring year-classes in the North Sea". |
| H:19
Ref.
Pel.(S)
Cttee. | P. Agger | "Danish mackerel fishery 1930-1968". |
| H:20 | J. Jakobsson | "On the Icelandic herring stocks and their exploitation". |
| H:21
Ref.
Pel.(S)
Cttee. | K. H. Postuma | "On the mackerel in the north-eastern North Sea". |
| H:22 | K. H. Postuma | "On the herring larvae in the Dutch Waddensea 1967-1969". |
| H:23 | J. J. Zijlstra | "Introduction to the chapter on Herring in the Annales Biologiques, Vol.25 (for 1968)". |
| H:24
Ref.
Hydrogr.
Cttee. | G. Wagner,
Schulz,
Dornheim &
Lenz | "Preliminary report of investigations on Atlanto-Scandian herring and the hydrographic situation in the Norwegian Sea (June/July 1969)". |
| H:25 | | "Report of the North Sea Young Herring Working Group". (New version of Sections E and F). |
| H:26
Ref.
Hydrogr.
& Plankton
Cttees. | | "Report on the joint investigations by Iceland, Norway and USSR on the distribution of herring in relation to hydrography and plankton in the Norwegian Sea May/June 1969". |
| H:27
Ref.
Plankton
Cttee. | A. Saville
& D. W. McKay | "Tests with an encased and an unencased Gulf III sampler". |
| H:28 | G. Howlett | "English herring fisheries - fecundity studies". |
| H:29 | A. C. Burd | "The state of the North Sea herring stock". |
| H:30 | A. C. Burd | "Trials with principal component analysis for herring racial studies". |
| H:31
Ref.
Pel.(S)
Cttee. | G. C. Bolster | "English mackerel tagging experiments". |
| H:32 | A. Saville
& J. Salter | "The inter-relations of the herring spawning on various grounds in the north-western North Sea". |

Pelagic Fish (Northern) Cttee. (ctd.)

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| H:33 | I. G. Baxter
& J. A. Pope | "Annual variations in fecundity of Clyde spring-spawning herring". |
| H:34 | I. Boëtius | "A report of the international surveys of herring larvae in the North Sea in 1968". |

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

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| J:4
Pel.(S)
Cttee. | H. Vilela | "Information sur la pêche aux maquereaux au Portugal". |
| F:33
Dem.(N)
Cttee. | | "Preliminary report on the international O-group survey in the Barents Sea and adjacent waters August/September 1968". |
| F:34
Dem.(N)
Cttee. | | "Preliminary report on the international O-group survey in the Barents Sea and adjacent waters August/September 1969". |

Contributions to be presented at the Statutory Meeting.

J. PELAGIC FISH (SOUTHERN) COMMITTEE

J:1		"Administrative Report/Pelagic Fish (Southern) Committee".
J:2	J. Hamre, C. Maurin, J. Rodriguez-Roda & K.Tiews	"Report from the Bluefin Tuna Working Group. Observations on the size-composition of bluefin tuna catches from 1968".
J:3 Ref. Plankton Cttee.	K. Wiktor	"Distribution of fish eggs and larvae in shelf waters off North-West Africa in the period June-August".
J:4 Ref. Pel.(N) Cttee.	H. Vilela	"Information sur la pêche aux maquereaux au Portugal".
J:5	G. Kurc, R. L'Herrou & R. Le Men	"Nouvelle étude de la croissance des sardines (<u>Sardina pilchardus</u> Walb.) du Golfe de Gascogne".
J:6	Ch. Allain & H. Aloncle	"La prospection du germon depuis le secteur portugais jusqu'au SO de l'Irlande pendant la saison de pêche 1968".
J:7	H. Aloncle & F. Delaporte	"Rythmes alimentaires et circadiens du germon".
J:8 Ref. Plankton Cttee.	S. Arbault & N. Lacroix	"Oeufs et larves de clupéidés et engraulidés dans le Golfe de Gascogne et sur le plateau Celtique".
J:9 Ref. Dem.(S) Cttee.	B. A. Eriomina	"The report on the infection of some commercial fish species off the north-west coast of Africa".
J:10 ^x Ref. Hydrogr. Cttee.	G. Kurc & A. Vincent	"Les variations de la situation thermique dans le Golfe de Gascogne, et leur incidence sur l'écologie et la pêche de la sardine en 1968".

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

D:9 Statistics Cttee.	FAO	"Eastern Central Atlantic: Fishery Statistics, 1967".
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x) for the relevant Committees only.

Pelagic Fish (Southern) Committee (ctd.)

G:3 Dem.(S) Cttee.	FAO	"Report of the ACMRR/ICES Working Party on the Fishery Resources of the Eastern Central and Southeast Atlantic". (In English and French).
G:4 ^x) Dem.(S) Cttee.	FAO	"Report of the First Session of the FAO Fishery Committee for the Eastern Central Atlantic (CECAF)". (In English and French).
G:5 Dem.(S) Cttee.		"Plans for 'Cooperative Investigations of the Northern Part of the Eastern Central Atlantic (CINECA)'".
H:6 Pel.(N) Cttee.	A. Revheim	"The Norwegian mackerel fisheries in the Skagerrak and northern North Sea".
H:7 Pel.(N) Cttee.	J. P. Castello, J. Hamre & A. Revheim	"Age and growth of mackerel from Skagerrak and northern North Sea".
H:8 Pel.(N) Cttee.	O. Aasen	"Method of estimating mortality in fish stocks".
H:19 Pel.(N) Cttee.	P. Agger	"Danish mackerel fishery 1930-1968".
H:21 Pel.(N) Cttee.	K. H. Postuma	"On the mackerel in the north-eastern North Sea".
H:31 Pel.(N) Cttee.	G. C. Bolster	"English mackerel tagging experiments".

Contributions to be presented at the Statutory Meeting.

K. SHELLFISH AND BENTHOS COMMITTEE

- K:1 "Administrative Report/Shellfish and Benthos Committee".
- K:2 J. Møller Christensen "Proposal for revision of the international
Ref. standard statistical classification of
Statistics molluscs and crustaceans".
Cttee.
- K:3 L. Zmudziński "The changes in distribution of Nephtys ciliata as an index of hydrographical changes in the Baltic Sea".
- K:4 Claudine Lasserre "Premières observations sur les anomalies
& P. Gras des branchies de la moule (Mytilus edulis)".
- K:5 R. N. Burukovsky "On the variability of pink shrimp (Penaeus duorarum Burkenroad, 1939) along the African coast".
- K:6 R. N. Burukovsky "On the bathymetric distribution and feeding of the shrimp, Parapenaeus longirostris (Lucas)".
- K:7 J. P. Deltreil "Deux cas d'affection massive par la maladie des branchies observés sur des huîtres portugaises, Crassostrea angulata Lmk., élevées en suspension dans le bassin d'Arcachon".
- K:8 J. Moreau "La composition hivernale des eaux de claires à huîtres en ions Mg^{++} et Ca^{++} en rapport avec la teneur en phosphore minéral".
Ref. Fish.Impr.
Cttee.
- K:9 J. Moreau "La flore planctonique et benthique des claires à huîtres et l'évolution pigmentaire de Navicula ostrearia B."
Ref. Plankton
Cttee.
- K:10 J. Moreau "Le verdissement dans les claires à huîtres et l'évolution corrélative des chlorophylles a et c".
- K:11 E. His "Un dispositif simple permettant d'étudier le comportement des huîtres. Exemple d'application: comportement de Crassostrea angulata Lmk. aux basses salinités".
- K:12 M. Comps "Anomalies branchiales chez Crassostrea gigas Thunberg".
- K:13 H. Vilela "La maladie des branchies chez les huîtres et les moules".
& M. A. Saupayo
- K:14 U. Elss "On the seasonal distribution of Crangon larvae on the German coast".
- K:15 R. Meixner "Is there a spot disease in Crangon crangon L.?"

Shellfish and Benthos Committee (ctd.)

- K:16 H. Dornheim & R. Kändler "On the biology of Crangon crangon (L.) in the Western Baltic".
- K:17 D. J. Alderman "Progress report on observations on the gill disease of oysters in UK".
- K:18 P. J. Dare "The settlement, growth and survival of mussels (Mytilus edulis L.) in Morecambe Bay, England".
- K:19 D. A. Hancock & A. Franklin "Winter changes in the meat yield of cockles (Cardium edule L.)".
- K:20 Ref. Fish. Impr. Cttee. B. T. Hepper "A case of insecticide poisoning in stored lobsters".
- K:21 N. M. Kerr "The continuous delivery dredge - a new method for harvesting cockles".
- K:22 M. S. Rolfe "The determination of the abundance of scallops and of the efficiency of the Baird scallop dredge".
- K:23 D. J. Symonds "Infestation of Nephrops norvegicus L. by Stichocotyle nephropis Cunningham in British waters".
- K:24 P. R. Walne "The influence of current speed and body size on the filtration rate of bivalves".
- K:25 P. C. Wood "Mussel toxicity in Great Britain during 1969".
- K:26 Sv. Aa. Horsted "Tagging of deep-sea prawn (Pandalus borealis Kr.) in Greenland waters".
- K:27 H. Hallbäck "Swedish crab investigations. Some preliminary results".
- K:28 Ref. Plankton Cttee. B. I. Dybern "New damage to Swedish deep-sea prawn and other fisheries caused by the medusa, Tima bairdii".
- K:29 H. J. Thomas "Some observations on the exploitation and distribution of squid around Scotland".
- K:30 A. Eleftheriou & A.D. McIntyre "The intertidal fauna of Scottish flatfish nursery grounds".
- K:31 H. J. Thomas "Recent fluctuations in the Norway lobster fishery of the Firth of Forth".
- K:32 J. Mason "The growth of spat of Pecten maximus (L.)".
- K:33 J. Mason & J. Drinkwater "Scallops (Pecten maximus (L.)) in the Firth of Clyde".
- K:34 J. Mason & F. G. Howard "Notes on the distribution and biology of Pandalus bonnierii off the west of Scotland".
- K:35 H. J. Thomas "Further observations on the seasonal variations in the catch composition of the lobster".

Shellfish and Benthos Committee (ctd.)

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| K:36 | F. A. Gibson | "Catch effort and size. Distribution of the catch in the Irish lobster fishery 1968". |
| K:37 | S. A. Gerlach | "On the importance of marine meiofauna for benthos communities". |
| K:38 | K. Gundersen | "Preliminary results of field tagging experiments on lobster (<u>Homarus vulgaris</u>) in Norwegian waters". |
| K:39 | G. Davies | "Observations on the growth of <u>Mytilus edulis</u> in the Menai Straits in the period 1962-68". |

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

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| B:11
Gear and
Beh.Cttee. | G. Kuro
& J. Betus | "Etude préliminaire d'un chalut sélectif pour la pêche des langoustines et des merlus". |
| E:3
Fish.Impr.
Cttee. | H. Kühn | "On the formation of various biocoenoses in a concrete brackish water pond". |
| L:17
Plankton
Cttee. | G. A. Robinson | "Distribution of <u>Gonyaulax tamarensis</u> Lebour in the western North Sea in 1969". |
| B:19
Gear and
Beh.Cttee. | R. Abbès
& N. Warluzel | "Sélectivité des chaluts en polyamide dans la pêche de la langoustine". |

Contributions to be presented at the Statutory Meeting.

L. PLANKTON COMMITTEE

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| L:1 | | "Administrative Report/Plankton Committee". |
| L:2 | J. H. Fraser
& Vagn Kr. Hansen | "Plankton Identification Sheets. Editors' Report 1968-69". |
| Ref.
Edit.
Cttee. | | |
| L:3 | Zofia Ringer | "Phytoplankton of the southern Baltic in 1967 and 1968". |
| L:4 | J. H. Fraser | "On the consumption of fish larvae by Medusae". |
| L:5 | P. Ciszewski | "Spatial distribution and species composition of micro-zooplankton mass in the southern Baltic". |
| L:6 | P. Ciszewski | "Propagation and development of the copepod <u>Pseudocalanus elongatus</u> in the southern Baltic". |
| L:7 | P. Ciszewski | "Vertical distribution of micro-zooplankton against the background of some more important environmental factors in the southern Baltic". |
| L:8 | K. Siudziński | "Larvae in the bottom animals in plankton of the southern Baltic". |
| L:9 | K. Siudziński | "The quantitative occurrence of Rotatoria in the southern Baltic Sea". |
| L:10 | M.-L. Furnestin,
Ch. Allain &
M. R. Calandra | "Plancton de l'upwelling ibérique. II. Observations complémentaires sur les Chaetognathes". |
| Ref.
Hydrogr.
Cttee. | | |
| L:11 | J.-P. Casanova | "Remarques écologiques sur quelques pêches planctoniques profondes des côtes atlantiques ouest-ibériques". |
| L:12 | E. de Sousa e
Silva & Maria
E. Assis | "Pigments in sea-water samples of Ria de Faro-Olhão and the predominant plankton". |
| Ref.
Fish.Impr.
Cttee. | | |
| L:13 | L. N. Gruzov | "On the structure of the equatorial productive zone in the eastern Atlantic Ocean". |
| L:14 | J. Beaudouin | "Zooplankton. Aperçu sur le peuplement planctonique du plateau continental - Golfe de Gascogne et Mer Celtique (été et automne 1964)". |
| L:15 | T. Braarud | "Pollution effect upon the phytoplankton of the Oslofjord". |
| Ref.
Fish.Impr.
Cttee. | | |
| L:16 | G. A. Robinson | "Fluctuations in the timing of the spring outbreak of phytoplankton in the north-east Atlantic and the North Sea". |

Plankton Committee (ctd.)

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| L:17
Ref.
Shellfish
& Benthos
Cttee. | G. A. Robinson | "Distribution of <u>Gonyaulax tamarensis</u> Lebour in the western North Sea in 1969". |
| L:18
Ref.
Hydrogr.
Cttee. | J. W. Talbot | "Some thoughts on the diffusion of planktonic ova and larvae". |
| L:19
Ref.
Gear & Beh.
Cttee. | D. Harding,
J. H. Nichols
& D. S. Tungate | "Comparative tests with high-speed plankton samples". |
| L:20 | T. Wyatt | "Ecology of <u>Oikopleura dioica</u> in the Southern Bight". |
| L:21 | Vagn Kr. Hansen
& A.H. Wiswanatha
Sarna | "On a Gymnodinium red water in the eastern North Sea during autumn 1968 and accompanying fish mortality, with notes on the oceanographic conditions". |
| L:22 | W. Nellen
& G. Hempel | "Efficiency of an unencased Gulf III sampler". |
| L:23 | G. Hempel
& W. Nellen | "Ichthyoneuston in the North Sea and the Baltic". |
| L:24
Ref.
Dem. (N)
Cttee. | D. D. Seaton
& R. S. Bailey | "The identification and development of the eggs of blue whiting (<u>Micromesistius putassou</u>)". |
| L:25 | J. C. Quero | "Liste des poissons capturés au cours des pêches pélagiques profondes de la 'Thalassa' dans l'Atlantique nord-est". |
| L:26 | J. A. Posgay | "Recent investigations in the ICNAF Area into some of the problems of collecting zooplankton". |

Contributions from other Committees with Reference
to the Plankton Committee

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| C:2
Hydrogr.
Cttee. | M. P. Visser | "On the light regime of the southern North Sea". |
| C:7
Hydrogr.
Cttee. | R. R. Dickson | "On the relationship between ocean transparency and the depth of the sonic scattering layers in the North Atlantic". |
| C:8
Hydrogr.
Cttee. | F. Koroleff | "Determination of total nitrogen in natural waters by means of persulfate oxidation". |
| C:9
Hydrogr.
Cttee. | F. Koroleff | "Direct determination of ammonia in natural waters as indophenol blue". |

Plankton Committee (ctd.)

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| F:31
Dem.(N)
Cttee. | R. S. Bailey
& D. D. Scaton | "Observations on spawning and distribution of spawning products of blue whiting at Rockall". |
| G:5
Dem.(S)
Cttee. | | "Plans for 'Cooperative Investigations of the Northern Part of the Eastern Central Atlantic (CINECA)'" |
| H:26
Pel.(N)
Cttee. | | "Report on the joint investigations by Iceland, Norway and USSR on the distribution of herring in relation to hydrography and plankton in the Norwegian Sea May/June 1969". |
| H:27
Pel.(N)
Cttee. | A. Saville
& D. W. McKay | "Tests with an encased and an unencased Gulf III sampler". |
| J:3
Pel.(S)
Cttee. | K. Wiktor | "Distribution of fish eggs and larvae in shelf waters off north-west Africa in the period June-August". |
| J:8
Pel.(S)
Cttee. | S. Arbault
& N. Lacroix | "Oeufs et larves de clupéidés et engraulidés dans le Golfe de Gascogne et sur le plateau Celtique". |
| K:9
Shellf.
& Benthps
Cttee. | J. Moreau | "La flore planctonique et benthique des claires à huîtres et l'évolution pigmentaire de <u>Navicula ostrearia</u> B." |
| K:28
Shellf.
& Benthos
Cttee. | B. I. Dybern | "New damage to Swedish deep-sea prawn and other fisheries caused by the medusa, <u>Tima bairdii</u> ". |

Contributions to be presented at the Statutory Meeting.

M. ANADROMOUS AND CATADROMOUS FISH COMMITTEE

M:1		"Administrative Report/Anadromous and Catadromous Fish Committee".
M:2	A. E. J. Went	"The weight division between 'salmon' and 'grilse' in Ireland".
M:3	B. Carlin	"Data processing in Swedish salmon tagging experiments".
M:4	A. E. J. Went	"Report on a meeting called by the Atlantic Salmon Research Trust on 15th and 16th April 1969, to discuss the 'high seas' fishery for the Atlantic salmon".
M:5		"Report of the ICES/ICNAF Joint Working Party on North Atlantic Salmon 20-21 May 1969".
M:6	L. Rosseland	"Salmon tagging in Norway 1968".
M:7	H. Mann	"New results of investigations concerning the cauliflower disease of eels".
M:8	C. Moriarty	"Biological studies of Irish eels".
M:9	P. F. Elson	"Interim report on international Atlantic salmon smolt tagging test in Canada, May 1969".
M:10		"The exploitation and biology of Baltic salmon in the marine phase".
M:11	R. L. Saunders & E. B. Henderson	"Influence of photoperiod on smolt development and growth of Atlantic salmon".
M:12	P. F. Elson	"High temperatures and river ascent of Atlantic salmon".
M:13	A. E. J. Went	"Report on a meeting of the Fisheries Sub-Committee of the Committee on Agriculture of the Council of Europe".

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

B:2 Gear & Beh. Cttee.	A. von Brandt	"Mesh measurement in salmon drift-nets".
B:15 Gear & Beh. Cttee.	O. Christensen	"Progress report on experimental fishery with salmon drift-nets".
H:8 Pel.(N)Cttee.	Olav Aasen	"Method of estimating mortality in fish stocks".

Contributions to be presented at the Statutory Meeting.

N. MARINE MAMMALS COMMITTEE

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| N:1 | | "Administrative Report/Marine Mammals Committee". |
| N:2 | S. G. Brown | "Whale marking in the North Atlantic in post-war years". |
| N:3 | S. Söderberg | "Investigations on seals in the Baltic". |
| N:4 | A. W. Mansfield | "Occurrence of the bowhead or Greenland right whale <u>Balaena mysticetus</u> Linnaeus in Canadian Arctic waters". |
| N:5 | S. G. Brown | "Some preliminary results of work on whales caught in Icelandic waters". |
| N:6 | Å. Jonsgård
& P. B. Lyshoel | "A contribution to the knowledge of the biology of the killer whale (<u>Orcinus orca</u>)". |