

Contributions to be presented at the Statutory Meeting.

| <u>Contents</u> | <u>Page</u> |
|-------------------------------------------------------------------|-------------|
| Gen General Assembly Reports and Papers of General Interest | 1 |
| Dei Delegates Meetings Documents | 2 |
| Li Liaison Committee | 3 |
| Fi Finance Committee | 3 |
| Ed Editorial Committee | 3 |
| A Consultative Committee | 4 |
| B Gear and Behaviour Committee | 5 |
| C Hydrography Committee | 7 |
| D Statistics Committee | 11 |
| E Fisheries Improvement Committee | 12 |
| F Demersal Fish (Northern) Committee | 15 |
| G Demersal Fish (Southern) Committee | 18 |
| H Pelagic Fish (Northern) Committee | 19 |
| J Pelagic Fish (Southern) Committee | 22 |
| K Shellfish and Benthos Committee | 23 |
| L Plankton Committee | 26 |
| M Anadromous and Catadromous Fish Committee | 28 |
| N Marine Mammals Committee | 29 |

Del - DELEGATES MEETINGS

- Del:1* "Audited Accounts for 1/11-1969 to 31/10-1970".
- Del:2* "Preliminary Report of the Administration for 1/11-1970 to 31/10-1971".
- Del:3* "Estimated Accounts for the Financial Year 1970/71".
- Del:4* "Budget for the Financial Year 1971/72".
- Del:5* "Forecast Budget for the Financial Year 1972/73".
- Del:6* "Elections to be undertaken by the Council at the 59th Statutory Meeting".
- Del:7* Administrative Reports.
- Del:8* "International Investigations of the Pollution of the North Sea and the Baltic".

* for Delegates only.

B - GEAR AND BEHAVIOUR COMMITTEE

| | | |
|-------------------------------------------|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| B:1 | | "Administrative Report". |
| B:2 | S J de Groot and J Apeldoorn | "Some experiments on the influence of beam-trawling on the bottom fauna". |
| B:3 | | "Report of the Gear and Behaviour Methodology Working Group". |
| B:4 | H Bohl | "Selection of cod by polyamide trawl codends in ICNAF Division 4Vn". |
| B:5 | R G Houghton, T Williams and R V Blacker | "Some effects of double beam trawling". |
| B:6 | D J Symonds and A C Simpson | "Preliminary report on a specially designed <u>Nephrops</u> trawl for releasing undersized roundfish". |
| Ref.Shellfish and Benthos Committee | | |
| B:7 | V A Teplitsky | "A method of quantitative evaluation of the effect of the scientific-technological progress upon the development of the marine fisheries". |
| B:8 | A R Margetts and J P Bridger | "The effect of a beam trawl on the sea bed". |
| B:9 | A I Treschev | "Fishing unit measures". |
| B:10 | J C Medcof and J F Caddy | "Underwater observations on performance of clam dredges of three types". |
| B:11 | J F de Veen and W F Rodenburg | "Discarding in the Dutch sole fisheries in 1969 and 1970". |
| Ref.Demersal Fish (N) Cttee. | | |
| B:12 | A D Hawkins and D N MacLennan | "Measurement of gear and ship noise". |
| B:13 | J J Foster | "Data collecting methods and computer application in gear and fish behaviour work". |
| B:14 | R Boddeke and J F de Veen | "Results of tagging experiments with the by-catch of plaice of a Dutch shrimpboat". |
| Ref.Shellfish and Benthos Committee | | |
| B:15 | J Blindheim and O Nakken | "Abundance estimation of the spawning Lofoten cod in 1971". |
| Ref.Demersal Fish(N) Cttee. | | |
| B:16 | J Blindheim and P Eide | "The use of a digital computer in fisheries research". |
| Ref.Hydrography Committee | | |
| B:17 | Kjell Olsen | "Position of orientation of cod in Lofoten, measured on photographs". |

Gear and Behaviour Cttee (ctd)

B:18

C S Wardle

"An assessment of the role of lactic acid as a limit to fish performance during capture".

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

D:6

FAO

"Interim Report on the International Standard Statistical Classification of Fishing Gear".

C - HYDROGRAPHY COMMITTEE

| | | |
|-----------------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C:1 | A Zsolnay | "Diagenesis of the function of redox conditions in nature. A comparative survey of certain organic compounds in anoxic and oxic Baltic Basin sediments". |
| C:2 | C R Mann and A R Coote | "Silicates and their relation to the water masses of the Western Atlantic Ocean". |
| C:3 | H D Dooley | "On the use of a current meter mooring as a drift marker". |
| C:4 | H W Hill | "A report on the UK-German-Dutch - Belgian Pilot Ocean Data Station Network for the North Sea". |
| C:5* | | "WMO Technical Conference on the Means of Acquisition and Communication of Ocean Data". |
| C:6 | H W Hill | "Hydrographic observations at Rockall during April/May 1969". |
| C:7 | A D Kirichek | "Water circulation in the north-eastern part of the Tropical Atlantic". |
| C:8 | J W Ramster | "A long-term current meter station in Liverpool Bay". |
| C:9 | R Schemainda, S Schulz and D Nehring | "Preliminary results of the first cruise of GDR R/V 'Alexander von Humboldt' to central Atlantic waters in 1970". |
| C:10 Ref. Plankton Committee | D Nehring, H J Brosin <u>et al.</u> | "Review on recent Baltic research by the GDR Institute for Marine Research in Warnemünde". |
| C:11 | Jens Smed | "Report on the 5th Session of the IOC Working Group on International Oceanographic Data Exchange". |
| C:12 Ref.: Pelagic (N), Demersal (N) and Plankton Committees | Jens Smed | "Monthly charts of temperature and salinity in the North Sea for the period of the ICES Young Herring Survey 1971". |
| C:13 | Jens Smed | "Activities of the ICES Service Hydrographique 1970/71". |
| C:14 | Jens Smed | "Provisional programme of work for Service Hydrographique 1971/72". |
| C:15 | Jens Smed | "Report on the 3rd Session of the IOC Working Committee for IGOS, and on the Committee's 3rd joint Session with the WMO EC Panel on Meteorological Aspects of Ocean Affairs". |

* for the relevant Committee only.

Hydrography Committee (ctd)

| | | |
|--------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| C:16 Ref.: Pelagic (N), Demersal (N) and Plankton Cttees. | Jens Smed | Monthly synoptic charts of bottom temperature and salinity in the North Sea: a trial for the months May-December, 1970". |
| C:17 Ref.: Pelagic (N), Demersal (N) and Plankton Cttees. | Jens Smed | "Monthly synoptic charts of temperature and salinity at 10 m depth and near bottom in Skagerrak + Kattegat". |
| C:18 Ref.: Plankton Committee | Jens Smed and Poula Holm | "Sample pages of 'Annual Report on Oceanographic Cruises and Data Stations in 1970'". |
| C:19 | Jens Smed | "Report on the 1st Session of the WMO CMM Working Group on Requirements for Marine Meteorological Services". |
| C:20* | | "Work in 1970/71 on inventories, data lists and analysis of observations from Ocean Weather Stations A, I, J, K and M". |
| C:21 | J W Ramster and G W Lennon | "On the need for a systematic comparison of techniques for determining residual drift". |
| C:22 | H W Hill and J W Horwood | "A computer simulation of surface drifter returns". |
| C:23 | J W Ramster | "Preliminary report of the Working Group on Permanent Moored Current Meter Stations in the North Sea". |
| C:24 | Trygve Gytre | "An ultrasonic current meter". |
| C:25 | L Midttun | "Long-term observation series on surface temperature and salinity in Norwegian coastal waters". |
| C:26 | Jyrki Hari | "Current measurement by a telemetering system in the Helsinki sea area". |
| C:27 | H W Hill and M J Paramore | "An analysis of long-term trends in temperature and salinity at four English lightvessels". |
| C:28 | Erkki Palosuo | "Water exchange and the rate of cooling in the Gulf of Bothnia". |
| C:29 | A Voipio and P Mätkki | "Variations of the vertical stability in the Northern Baltic". |
| C:30 | B Kullenberg | "A formula for the density of sea-water". |
| C:31* | D A Greenberg | "Archival of data from multiple probe recorders. A Canadian proposal". |

* for the relevant Committee only.

Hydrography Cttee - Ref.Papers (ctd)

| | | |
|-------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| E:7 Fisheries Improvement Committee | A Preston, D F Jefferies, J W R Dutton, B R Harvey and A K Steele | "British Isles coastal waters: the concentrations of selected heavy metals in sea water, sus- pended matter and biological indicators - a pilot study". |
| E:8 Fisheries Improvement Committee | K W Wilson and P M Connor | "The use of a continuous flow apparatus in the study of longer- term toxicity of heavy metals". |
| G:4 Demersal Fish (S) Committee | | Withdrawn |
| H:31 Pelagic Fish (N) Committee | | "Report on joint Soviet-Icelandic investigations into the distrib- ution and availability of pelagic fish in relation to oceanographic conditions in the Norwegian and Iceland Seas in May-June 1971". |
| L:15 Plankton Committee | J C de Kroon and W W C Gieskes | "Studies of primary productivity and of particle size spectra in the southern North Sea". |
| L:16 Plankton Committee | S H Fonselius | "On primary production in the Baltic". |
| H:32 Pelagic Fish (N) Committee | | "Preliminary Report of the Inter- national O-Group Fish Survey in the Barents Sea and adjacent waters in August-September 1971". |

D - STATISTICS COMMITTEE

| | | |
|-------------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------|
| D:1 | | "Administrative Report". |
| D:2 | The Statistician | "Progress Report". |
| D:3 | | "Advance Release of Tables 1-5 of 'Bulletin Statistique', Volume 55, 1970". |
| Ref.: Pelagic Fish (S) and (N) and Demersal Fish (S) and (N) Committees | | |
| D:4 | The Statistician | "Suggestions for changes in coverage and lay-out of Statistical News Letters 'Demersal Species'". |
| Ref.: Demersal Fish (S) and (N) Cttees. | | |
| D:5 | The Statistician | "Review of Table 5 'Invertebrates' in Bulletin Statistique". |
| Ref.: Shellfish and Benthos Committee | | |
| D:6 | FAO | "Interim Report on the International Standard Statistical Classification of Fishing Gear". |
| Ref.: Gear and Behaviour Committee | | |
| D:7* | FAO | "Report on the STATlant Programme 1971". |
| D:8 | FAO | "Conversion factors: North Atlantic species". |
| D:9* | FAO | "Northwest and Northeast Atlantic: Classification of Aquatic Animals and Plants for Statistical Purposes". |
| D:10* | FAO | "Notes for the Completion of Forms STATlant 27A and 27B - Northeast Atlantic Area: Catch/Effort". |
| D:11* | FAO | "Prospectus for the Seventh Session of CWP". |
| D:12 | The Statistician | "Subdivision of ICES' statistical area". |
| D:13* | FAO | "North Atlantic Fishing Vessels, 1969". |
| D:14 | General Secretary | "Collaboration between biologists, technologists and economists". |

Contributions from other Committees with Reference to the Statistics Committee

| | | |
|---------------------------------------|----------|---------------------------------------------|
| H:14 Pelagic Fish (N) Committee | A C Burd | "The area reportage of herring statistics". |
|---------------------------------------|----------|---------------------------------------------|

* for the relevant Committee only.

E - FISHERIES IMPROVEMENT COMMITTEE

| | | |
|-------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| E:1 | | "Administrative Report". |
| E:2 | H Mann | "Toxicity of proteolytic enzymes as additives to washing compounds". |
| E:3 | | "Pollution of the North Sea - Report on an <u>ad hoc</u> Meeting held at Lowestoft 25-26 March 1971". |
| E:4 | B I Dybern | "Report of the FAO Technical Conference on Marine Pollution and its Effects on Living Resources and Fishing, Rome, 9-18 December 1970". |
| E:5 | E Halme | "Zinc and the etiology of cancer". |
| E:6 | J Wierzchowski | "Investigations on traces of mercury compounds in fish and fish products". |
| E:7 | A Preston, D F Jeffories, J W R Dutton, B R Harvey and A K Steele | "British Isles coastal waters: the concentrations of selected heavy metals in sea water, suspended matter and biological indicators - a pilot study". |
| E:8 | K W Wilson and P M Connor | "The use of a continuous flow apparatus in the study of longer-term toxicity of heavy metals". |
| E:9 | B Braaten, E Egidius, Møllerud and P. Solemdal | "The influence of byproducts from vinylchloride production on fertilization, development and larval survival on plaice, cod and herring eggs". |
| E:10 | B Braaten and E Egidius Møllerud | "Accumulation and disposal of some byproducts from vinylchloride production in cod liver". |
| E:11 | B Braaten and E Egidius Møllerud | "Acute toxicity of some byproducts from vinylchloride production to saithe (<u>Pollachius virens</u>)". |
| E:12 | R G J Shelton | "Two recent problems in oil pollution research". |
| E:13 | J E Portmann | "The levels of certain metals in fish from coastal waters around England and Wales". |
| E:14 | R G J Shelton and M S Rolfe | "The effects of disposing china clay wastes off the Cornish coast". |
| E:15* | IMCO | "UN Conference on Human Environment - Agenda, Item III(a)(i) - Identification and control of pollutants emanating from ships, vessels and other equipment operating in the marine environment". |

* for the relevant
Committee only

Fisheries Improvement Committee (ctd)

| | | |
|------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| E:16 Ref. Demersal Fish (N) Cttee. | R G Kirk | "Nutritional deficiencies of frozen and freeze-dried <u>Lumbricillus vivalis</u> as a food for young plaice (<u>Pleuronectes platessa</u> L.)". |
| E:17* | | "Draft Report. Working Group on the Introduction of Non-Indigenous Marine Organisms". (and Supplement). |
| E:18 Ref. ICES/SCOR Meeting | G Oko l otowicz | "Preliminary investigations to determine the biological indicators of sea water pollution by diatoms - Bacillariophyceae". |
| E:19 Ref. ICES/SCOR Meeting | L Zmudziński | "Research on marine pollution in Poland". |
| E:20 Ref. ICES/SCOR Meeting | M Maciejowska and E Rakowska | "Note on research of microbial degradation of oils in the marine environment". |
| E:21 | R Anttila and M Michelsson | "City of Helsinki fishery investigations". |
| E:22 | J K Miettinen | "On the cadmium in the Finnish coastal waters". |
| E:23 | V Miettinen | "Mercury pollution in the Finnish coastal waters". |
| E:24 | G R Harvey, V T Bowen, R H Backus and G D Grice | "Chlorinated hydrocarbons in open-ocean Atlantic organisms". |
| E:25 | | "International Study of Pollution of the North Sea and its Effects on Living Resources and their Exploitation. - Report of an <u>ad hoc Meeting held on 2 June 1971 at Charlottenlund Slot</u> ". |
| E:25 Supplement | | "Questionnaire to determine sources of input to North Sea". |
| E:26 Ref. Demersal Fish (N) Committee | B R Howell | "Rearing the larvae of the lemon sole, <u>Microstomus kitt</u> Walbaum, on cultured foods". |
| E:27 Ref. Shellfish and Benthos and Plankton Committees | P A Ayres | "Results of the 1971 monitoring programme for mussel toxicity on the NE coast of Britain". |
| E:28 | | Withdrawn. |
| E:29 | P Bratland and P Solemdal | "Selective breeding of marine fish. I. Automatized feeding of pelagic fish larvae under controlled environmental conditions". |

* for the relevant
Committee only.

Fisheries Improvement Committee (ctd)

| | | |
|-----------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| E:30 | | Withdrawn. |
| E:31 Ref.Special Meeting | G Otterlind, S Jensen and M Olsson | "DDT and PCB in Baltic fish". |
| E:32 | G Berge, L Føyn, R Ljøen and K H Palmork | "Experimental dumping of waste ferrosulphate (copperas) into the Skagerrak". |
| E:33 | G Berge and K H Palmork | "Mercury in marine fish. A preliminary report". |
| E:34 | E G Bligh and F A J Armstrong | "Marine mercury pollution in Canada". |
| E:35 | | "Pollution of the North Sea. - Report of a Meeting of Analysts and Biologists held at Charlottenlund, 17-18 August 1971". |
| E:36 | Jan Boëtius | "Mercury content in Danish marine fishes". |

Contributions from other Committees with Reference
to the Fisheries Improvement Committee

| | | |
|--------------------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| K:10 Shellfish and Benthos Committee | M M Helm and Mrs F M Smith | "Observations on a bacterial disease in laboratory-cultured larvae of the European flat oyster <u>Ostrea edulis</u> L.". |
| K:11 Shellfish and Benthos Committee | P J Dare | "Preliminary studies on the utilization of the resources of spat mussels, <u>Mytilus edulis</u> L., occurring in Morecambe Bay, England". |
| K:16 Shellfish and Benthos Committee | P M Connor | "The acute toxicity of heavy metals to the larvae of some marine animals". |
| K:17 Shellfish and Benthos Committee | P A Ayres | "Non-specific illness associated with the consumption of molluscan shellfish: a report of current investigations in England". |
| L:9 Plankton Committee | J D Dodge and Mrs J H Carslake | "Distribution of marine dino-flagellates around the British Isles". |
| M:7 Anadromous and Catadromous Fish Committee | J M Anderson and P F Elson | "Effect on adult returns of exposure of native wild smolt to sublethal DDT". |

F - DEMERSAL FISH (NORTHERN) COMMITTEE

| | | |
|------------------------------------|---------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| F:1 | | "Administrative Report". |
| F:2 | | "Report of the North-Western Working Group, 1970". |
| F:3 | | "Report of the North-East Arctic Fisheries Working Group, February 1-5, 1971" (with Supplement). |
| F:4 | | "Preliminary Report of the North Sea Roundfish Working Group" (with Supplement). |
| F:5 | | "Report by the North Sea Roundfish Working Group on North Sea Cod". |
| F:6 | Secretary, Liaison Committee | "Various items for consideration by the Committee". |
| F:7 | V N Schleinik | "On the fecundity of Polar cod (<u>Boreogadus saida</u>) in the Barents Sea". |
| F:8 | T K Syssoeva | "Survival of larvae of the Barents Sea cod in connection with the feeding conditions and water temperature". |
| F:9 | A Hysten, J Gjosater and O M Smedstad | "Preliminary report of a fish survey in the Barents Sea and adjacent waters in June 1971". |
| F:10 | R Jones | "Further experiments on catching roundfish in good condition". |
| F:11 | J R G Hislop and R S Bailey | "Scottish investigations on the pelagic 0-group phase of some demersal gadoids in 1970". |
| F:12 | R S Bailey and W B Hall | "Year-class fluctuations and mortality rates of Norway pout around Scotland." |
| F:13 | D W Armstrong | "Scottish plaice tagging experiments in the North Sea 1910-1961". |
| F:14 | | "Report of the North Sea Flatfish Working Group on Plaice" (with Corrigendum). |
| F:15 | A S Baranenikova | "Long-term fluctuations of abundance of eggs and larvae of Barents Sea fish". |
| Ref. Pelagic Fish (N) Committee | | |
| F:16 | M A Sonina | "La fécondité de l'églefin arcto-norvégien (<u>Melanogrammus aeglefinus</u> Linné)!" |
| F:17 | T S Berger | "Peculiarities of cod distribution in the Barents Sea in 1970". |
| F:18 | M J Holden | "A preliminary assessment of the state of the sole stocks in the Irish Sea and Bristol Channel". |
| F:19 | Elsie Nielsen | "On growth and fertility of <u>Myoxocephalus scorpius</u> in the Danish waters". |

Demersal Fish (N) Committee (ctd)

| | | | |
|------|---|--------------------------------------|---------------------------------------------------------------------------------------------------|
| F:20 |) | A Hylan and T Jakobsen | "O-group saithe in the West Spitsbergen area". |
| F:21 | | I D Tormosova | "Survey of haddock eggs and larvae in the northern part of the North Sea, 1969 and 1970". |
| F:22 | | V P Shestov and Z V Blagodetskaya | "Investigations of the haddock stock on the Rockall Bank in 1969 and 1970". |
| F:23 | | I P Golubjatnikova | "Soviet investigations of saithe (<u>Pollachius virens</u>) in the North Sea in 1966-1970". |
| F:24 | | Erik Hoffmann | "The fecundity of the flounder (<u>Platichthys flesus</u> L.) in a Danish fjord". |
| F:25 | | | Withdrawn. |
| F:26 |) | G Navdal | "Differentiation of 'marinus' and 'mentella' types of redfish by electrophoresis of hemoglobins". |

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

| | | |
|-----------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| A:3 Consultative Committee | General Secretary | "Division of tasks between the Fish Committees". |
| B:11 Gear and Behaviour Committee | J F de Veen and W F Rodenburg | "Discarding in the Dutch sole fisheries in 1969 and 1970". |
| B:15 Gear and Behaviour Committee | J Blindheim and O Nakken | "Abundance estimation of the spawning Lofoten cod in 1971". |
| D:3 Statistics Committee | | "Advance Release of Tables 1-5 of Bulletin Statistique, Vol.55, 1970". |
| D:4 Statistics Committee | Statistician | "Suggestions for changes in coverage and lay-out of Statistical News Letters 'Demersal Species'". |
| C:12 Hydrography Committee | Jens Smed | "Monthly charts of temperature and salinity in the North Sea for the period of the ICES Young Herring Survey 1971". |
| C:16 Hydrography Committee | Jens Smed | "Monthly synoptic charts of bottom temperature and salinity in the North Sea: a trial for the months May-December, 1970". |

Demersal Fish (N) Cttee, Ref. Papers (ctd)

| | | |
|----------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C:17 Hydrography Committee | Jens Smed | "Monthly synoptic charts of temperature and salinity at 10 m depth and near bottom in Skagerrak + Kattegat". |
| H:16 Pelagic Fish (Northern) Committee | P Agger, I Boëtius and H Lassen | "On errors in the virtual population analysis". |
| H:17 Pelagic Fish (Northern) Committee | H Lassen | "Estimation of strength of year classes and of fishing efficiency based on environmental assumptions in a self-generating dynamic population model". |
| H:30 Pelagic Fish (Northern) Committee | | "Report on the international 0-group fish survey in Icelandic and Greenland waters in June-August 1971". |
| H:31 Pelagic Fish (Northern) Committee | | "Report on joint Soviet-Icelandic investigations into the distribution and availability of pelagic fish in relation to oceanographic conditions in the Norwegian and Iceland Seas in May-June 1971". |
| H:32 Pelagic Fish (Northern) Committee | | "Preliminary report of the International 0-group fish survey in the Barents Sea and adjacent waters in August-September 1971". |
| Cod No.4 Special Meeting | A Müller | "Spawning of cod in Bornholm Basin - Preliminary Report". |

G - DEMERSAL FISH (SOUTHERN) COMMITTEE

| | | |
|-----------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| G:1 | | "Administrative Report". |
| G:2 | Lê Trong Phán and A Kompowski | "Studies on sea breams from the north- west African region". |
| G:3 | S M Overko | "Studies on length structure of the <u>Caranx rhonchus</u> stock off the West- African coast (Cape Verde - Cape Blanc)". |
| G:4 | | Withdrawn. |
| G:5 Ref. Dem.Fish (N) Cttee | R Guichet et J Gueguen | "Données nouvelles sur les rendements de la pêche au merlu dans l'Atlantique européen". |

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

| | | |
|----------------------------------|----------------------|---------------------------------------------------------------------------------------------------------|
| A:3 Consultative Committee | General Secretary | "Division of tasks between the Fish Committees". |
| D:3 Statistics Committee | | "Advance Release of Tables 1-5 of Bulletin Statistique, Volume 55, 1970". |
| D:4 Statistics Committee | Statistician | "Suggestions for changes in coverage and lay-out of Statistical News Letters 'Demersal Species'". |

H - PELAGIC FISH (NORTHERN) COMMITTEE

- H:1 "Administrative Report".
- H:2 "Report of the Meeting of the Working Group on Atlanto-Scandian Herring 12-13 January 1971".
- H:3 "ICES Working Group on the Bløden Tagging Experiment. Report on Meeting 29 March to 2 April 1971".
- H:4 "Report of the Working Group on North Sea Young Herring Surveys".
- H:5 K H Postuma and K Kuitert "Report on the International Trawling Survey for Immature Herring in the North Sea".
- H:6 V N Kuznetsov "Results of Soviet investigations of blue whiting in the Norwegian Sea in summer and autumn 1970".
- H:7 E I Seliverstova "Relations between growth of the body and of scales in the Atlanto-Scandian herring".
- H:8 V V Penin "On the influence of hydrometeorological factors on the distribution of capelin in the spawning period, and the time of their approach to the southern Barents Sea coast".
- H:9 V S Zenkin "About the identity of 'C' and 'A' erythrocyte antigens in Atlantic herring (Clupea harengus harengus L.)".
- H:10 "Report of the Working Group on North Sea Herring Larval Surveys".
- H:11 T E Pashkova "Distribution and biological characteristics of herring with a smaller vertebral count in the south-eastern Barents Sea in the autumn-winter period, 1968-1971".
- H:12 A S Seliverstov "Soviet investigations on the Atlanto-Scandian herring in the Norwegian Sea in 1970".
- H:13 E I Seliverstova "The abundance of the Barents Sea herring of the 1959 year class in the Norwegian Sea".
- H:14 A C Burd "The area reportage of herring statistics".
Ref. Statistics Committee
- H:15 J J Zijlstra "Report on the International Surveys of Herring Larvae in the North Sea and adjacent Waters in 1970/71".
- H:16 P Agger, I Boëtius and H Lassen "On errors in the virtual population analysis".
Ref. Dem. Fish (N) Committee
- H:17 H Lassen "Estimation of strength of year classes and of fishing efficiency based on environmental assumptions in a self-generating dynamic population model".
Ref. Dem. Fish (N) Committee

Pelagic Fish (N) Committee (ctd)

| | | |
|-----------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| H:18 | A C Burd and G J Howlett | "Fecundity of Bank and Downs herring". |
| H:19 | A Lindquist | "Contributions to the knowledge of the Baltic sprat (<u>Sprattus sprattus</u>)". |
| H:20 | A Lindquist and B A Bengtsson | "Routine for data processing of fishery biological samples". |
| H:21 | A Saville | "Mortality rates of the herring stock in the north-western North Sea". |
| H:22 | R S Bailey | " Scottish investigations on the midwater population of blue whiting in the Faroe-Iceland region". |
| H:23 | J Hamre | "Further results of the Norwegian mackerel investigations". |
| H:24 | O Dragesund, J Gjørseter and T Monstad | "Preliminary results of the Norwegian capelin investigations during winter and spring 1971". |
| H:25 | S Bakke and H Bjørke | "Diving observations on Barents Sea capelin at its spawning grounds off the coast of northern Norway". |
| H:26 | O Dragesund and S H Jakupsstovu | "Observations on distribution and migration of <u>Micromesistius poutassou</u> (Risso 1810) in the north-east Atlantic". |
| H:27 | P Solemdal | "Physical parameters of mackerel eggs, naturally and artificially fertilized; size, dry weight, and neutral buoyancy of the eggs and larval length at yolk-sac stage". |
| H:28 | | "Report of the North Sea Herring Assessment Working Group's Meeting". |
| H:29 | | Withdrawn. |
| H:30 Ref.Dem(N) Cttee | | "Report on the international O-group fish survey in Iceland and Greenland waters in June-August 1971". |
| H:31 Ref.Dem.Fish(N), Hydrography and Plankton Cttees. | | "Report on joint Soviet-Icelandic investigations into the distribution and availability of pelagic fish in relation to oceanographic conditions in the Norwegian and Iceland Seas in May-June 1971". |
| H:32 Dem. Fish(N) and Hydrography Cttees. | | "Preliminary Report of the International O-group fish survey in the Barents Sea and adjacent waters in Aug-Sept.1971". |

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

| | | |
|----------------------------------|----------------------|--------------------------------------------------|
| A:3 Consultative Committee | General Secretary | "Division of tasks between the Fish Committees". |
|----------------------------------|----------------------|--------------------------------------------------|

Pelagic Fish (N) Cttee., Ref.Papers (ctd)

| | | |
|----------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------|
| C:12 Hydrography Committee | Jens Smed | "Monthly charts of temperature and salinity in the North Sea for the period of the ICES Young Herring Survey 1971". |
| C:16 Hydrography Committee | Jens Smed | "Monthly synoptic charts of bottom temperature and salinity in the North Sea: a trial for the months May-December, 1970". |
| C:17 Hydrography Committee | Jens Smed | "Monthly synoptic charts of temperature and salinity at 10 m depth and near bottom in Skagerrak + Kattegat". |
| D:3 Statistics Committee | | "Advance Release of Tables 1-5 of Bulletin Statistique, Volume 55, 1970". |
| F:15 Demersal Fish (N) Cttee. | A S Baranenkova | "Long-term fluctuations of abundance of eggs and larvae of Barents Sea fish". |
| Herring No.2 Special Meeting | D Schnack | "On the biology of herring larvae in the Schlei fjord, western Baltic". |

J - PELAGIC FISH (SOUTHERN) COMMITTEE

- J:1 "Administrative Report".
- J:2 H Aloncle,
J Hamre,
J Rodriguez-Roda,
and K Tiews "Report from the Bluefin Tuna Working Group -
Observations on the size composition of
bluefin tuna catches from 1970".
- J:3 S M Overko "Size composition of Trachurus
trecae stock in the shelf waters of the
north-western African coast".
- J:4 S M Overko "Dynamics of the length structure of
commercial stocks of horse-mackerel
(Trachurus trachurus) in the central-
eastern Atlantic waters".
- J:5 Pham-Thuoc and
J Szypuła "Age and growth rate of gilt sardine
(Sardinella aurita Cuv. et Val.) from the
north-west African waters".
- J:6 J Wojciechowski "Some observations on the biology of
Trichiurus lepturus L. from Cape Blanc to
the Cape Verde area".
- J:7 S Arbault et
N Lacroix "Ponte de la sardine, de l'anchois et du
sprat dans le Golfe de Gascogne en 1970 -
Etablissement de zones-test et étude de
l'environnement zooplanctonique".
- J:8 G Kurc,
A Vincent,
D Guerault,
J Prado et
J L Avrilla "Hydrologie et pêche des sardines dans
le Golfe de Gascogne en 1970".
- J:9 H Aloncle et
F Delaporte "Données nouvelles sur la physiologie du
germon Thunnus alalunga (Bonnaterre 1788)".
- J:10 H Aloncle et
F Delaporte "Remarques sur les principales proies du
germon (Thunnus alalunga Bonnaterre 1788)".
- J:11 V G Kolesnikov
and S M Overko "Habitat and distribution of horse-mackerel
in the area off North-West Africa depending
on the oceanological environment".

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

- A:3 General "Division of tasks between the Fish
Consultative Secretary Committees".
Committee
- D:3 "Advance Release of Tables 1-5 of Bulletin
Statistics Statistique, Volume 55, 1970".
Committee

K - SHELLFISH AND BENTHOS COMMITTEE

- K:1 "Administrative Report".
- K:2 J P Hillis "Growth studies in Nephrops".
- K:3 J P Hillis "Effects of Light on Nephrops catches".
- K:4 F A Gibson "Catch and effort in the Irish lobster/crawfish fisheries 1951-1969".
- K:5 R Meixner "The standing stock of mussels Mytilus edulis per culture raft in the 'Flensburger Förde'".
- K:6 O Cendrero "Premières données sur le parasitisme de Sacculina carcini Thompson chez Carcinus maenas (L.) dans la baie de Santander".
- K:7 A F Karpevich and A T Shurin "Salinity ranges of the Gulf of Riga invertebrates".
- K:8 B T Hepper "An apparent relationship between catch per unit of effort and temperature in the English lobster fishery".
- K:9 B T Hepper "Preliminary observations on the crawfish Palinurus vulgaris Latr. off the coast of Guernsey, Channel Islands".
- K:10 M M Helm and Mrs F M Smith "Observations on a bacterial disease in laboratory-cultured larvae of the European flat oyster Ostrea edulis L.". Ref. Fisheries Improvement Cttee
- K:11 P J Dare "Preliminary studies on the utilization of the resources of spat mussels, Mytilus edulis L., occurring in Morecambe Bay, England" Ref. Fisheries Improvement Cttee
- K:12 P R Walne "A comparison of seasonal growth of 5 species of bivalves in the Menai Straits".
- K:13 R W Blacker "Underwater observations of Pandalus borealis in the NW Barents Sea".
- K:14 P J Warren "English fishery for pink shrimp, Pandalus montagui, in the Wash".
- K:15 "Bibliography of papers published by adherents to the Shellfish and Benthos Committee during 1970".
- K:16 P M Connor "The acute toxicity of heavy metals to the larvae of some marine animals". Ref. Fisheries Improvement Cttee
- K:17 P A Ayres "Non-specific illness associated with the consumption of molluscan shellfish: a report of current investigations in England". Ref. Fisheries Improvement Cttee
- K:18 D J Symonds "The Nephrops fisheries of England and Wales".
- K:19 D J Alderman "Shellfish disease in the United Kingdom 1970-71".

Shellfish and Benthos Cttee, Ref.Papers (ctd)

| | | |
|--------------------------------------------|------------------------------------------|------------------------------------------------------------------------------------------------------|
| D:5 Statistics Committee | Statistician | "Review of Table 5 'Invertebrates' in Bulletin Statistique". |
| E:27 Fisheries Improvement Committee | P A Ayres | "Results of the 1971 monitoring programme for mussel toxicity on the NE coast of Britain". |
| L:14 Plankton Committee | E Sakshaug, A Jensen and A Prakash | " <u>Gonyaulax tamarensis</u> - the causative organism of mussel toxicity in Trondheimsfjord". |

L - PLANKTON COMMITTEES

| | | |
|--------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| L:1 | | "Administrative Report". |
| L:2 | J Corral | "Planktonic copepods from the Canary Islands". |
| L:3 | | "Travaux de Planctonologie (1970-1971)". |
| L:4 | J H Fraser | "Plankton Identification Sheets. Editor's Report 1970-1971". |
| Ref. Editorial Committee | | |
| L:5 | Krystyna Wiktor | "Biomass of zooplankton and distribution of fish larvae in the shelf waters off northwest Africa in February 1970". |
| L:6 | E Ya Rossova | "Microbiological investigations in the north-east Atlantic". |
| L:7 | Vøgg H Jacobsen | "Preliminary notes on zooplankton investigations from 3 Danish lightvessels 1962-1971". |
| L:8 | J-P Casanova | "Considérations sur les peuplements d'Euphausiacés de l'Atlantique Eurafricain (de la Bretagne au Rio de Oro)". |
| L:9 | J D Dodge and Mrs J Carslake | "Distribution of marine dinoflagellates around the British Isles". |
| Ref. Fisheries Improvement Cttee | | |
| L:10 | J-P Casanova | "Plancton et masses d'eau dans le Détroit de Davis (côte ouest du Groenland)". |
| L:11 | J Krey and B Zeitzschel | "Long-term observations of oxygen and chlorophyll <u>a</u> in Kiel Bight". |
| L:12 | T Melvasalo | "Observations on the plankton in the sea area of the City of Helsinki". |
| L:13 | J Beaudoin | "Résultats préliminaires de la campagne de la 'Thalassa' effectuée dans le Détroit de Davis (juillet-août 1970)". |
| L:14 | E Sakshaug, A Jensen and A Prakash | " <u>Gonyaulax tamarensis</u> - the causative organism of mussel toxicity in Trondheimsfjord". |
| Ref. Shellfish and Benthos Committee | | |
| L:15 | J C de Kroon and W W C Gieskes | "Studies of primary productivity and of particle size spectra in the southern North Sea". |
| Ref. Hydrography Committee | | |
| L:16 | S H Fonselius | "On primary production in the Baltic". |
| Ref. Hydrography Committee | | |

Contributions from other Committees with Reference to
the Plankton Committee

| | | |
|--------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------|
| C:10 | D Nehring, H J Brosin <u>et al.</u> | "Review on recent Baltic research by the GDR Institute for Marine Research in Warnemünde". |
| Hydrography Committee | | |

Plankton Committee, Ref.Papers (ctd)

| | | |
|-----------------------------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C:12 Hydrography Committee | | "Monthly charts of temperature and salinity in the North Sea for the period of the ICES Young Herring Survey 1971". |
| C:16 Hydrography Committee | Jens Smed | "Monthly synoptic charts of bottom temperature and salinity in the North Sea: a trial for the months May-December 1970". |
| C:17 Hydrography Committee | Jens Smed | "Monthly synoptic charts of temperature and salinity at 10 m depth and near bottom in Kattegat + Skagerrak". |
| C:18 Hydrography Committee | Jens Smed and Poula Holm | "Sample pages of 'Annual Report on Oceanographic Cruises and Data Stations in 1970'". |
| C:38 Hydrography Committee | F Vegter | "Nutrient intrusion by the river Rhine into Dutch coastal waters". |
| C:39 Hydrography Committee | A J van Bennekom | "The silicon cycle in the southern North Sea". |
| B:27 Fisheries Improvement Committee | P A Ayres | "Results of the 1971 monitoring programme for mussel toxicity on the NE coast of Britain". |
| H:31 Pelagic Fish (N) Cttee | | "Report on joint Soviet-Icelandic investigations into the distribution and availability of pelagic fish in relation to oceanographic conditions in the Norwegian and Iceland Seas in May-June 1971". |
| J:7 Pelagic Fish (S) Cttee | S Arbault et N Lacroix | "Ponte de la sardine, de l'anchois et du sprat dans le Golfe de Gascogne en 1970 - Etablissement de zones-test et étude de l'environnement zooplanctonique". |
| Cod No.4 Special Meeting | A Müller | "Spawning of cod in Bornholm Basin - Preliminary Report". |

M - ANADROMOUS AND CATADROMOUS FISH COMMITTEE

- M:1 "Administrative Report".
- M:2 "Report of the ICES/ICNAF Joint Working Party on North Atlantic Salmon, Pitlochry, March 29 - April 1, 1971".
- M:3 H Mann "The ulcerative dermal necrosis of salmonids (UDN) in Germany".
- M:4 V K Miténeuf "La faune des parasites du saumon atlantique (Salmo salar L.) peuplant la rivière Ponoï de la péninsule de Kola".
- M:5 E Twomey "Length and age composition of salmon of the commercial catch from seven of the major centres in Ireland".
- M:6 C Moriarty "Biological studies of Irish eel".
- M:7 J M Anderson and P F Elson "Effect on adult returns of exposure of native wild smolt to sublethal DDT".
Ref. Fisheries Improvement Cttee
- M:8 A Swain and A S Champion "The performance of darkened silver tags on Atlantic salmon smolts".
- M:9 A S Champion "An evaluation of the utility of a plastic strap tag applied to ascending salmon migrants".
- M:10 A Swain "The efficiency of certain types of smolt tags and tagging techniques adopted by the Ministry of Agriculture, Fisheries and Food".
- M:11 H Mackenzie "Some observations on the Cooperative Research Report, Series A, No.24. - Third Report of the ICES/ICNAF Joint Working Party on North Atlantic Salmon, December 1970".
- M:12 V V Ovchinnikov "The influence of hydrological factors upon the orientation of European eel (Anguilla anguilla (L.))".
- M:13 J A Ritter and D B Lister "Preliminary observations on differences in fishery contributions of hatchery-reared Atlantic salmon (Salmo salar) smolts, related to stock selection and release location".
- M:14 Dag Møller "Genetic diversity in salmon".

N - MARINE MAMMALS COMMITTEE

- N:1 "Administrative Report".
- N:2 S Söderberg "Seal hunting in Sweden and Finland during the 20th century".
- N:3 S Söderberg "Commercial damage and feeding habits of seals in the Baltic; a preliminary report".
- N:4 Withdrawn.
- N:5 W N Bonner "Increasing grey seal numbers at the Farne Islands".
- N:6 R Gambell "Sperm whale biology related to stock assessments".
- N:7 A W Mansfield "The distribution and population status of the grey seal, Halichoerus grypus, in eastern Canadian waters".
- N:8 H Aloncle "Observations sur une troupe de Globicephales (Globicephala melaena Traill 1809) à tête blanche".
- N:9 A V Holden "Organochlorine residues in harp seal pups".
- N:10 A V Holden "Organochlorine residues in seals in the North Sea".
- N:11 G Nævdal "Status of serological studies on marine mammals in Norway".
- N:12 I Christensen "Field work on bottle-nose whales in the Labrador Sea".