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Fisheries and Aquaculture  
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INTERNATIONAL COUNCIL FOR THE EXPLORATION OF THE SEA  
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17 SEP 1992

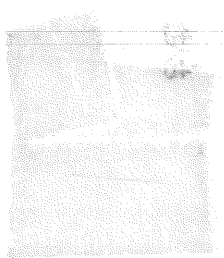
COUNCIL MEETING 1992

CONTRIBUTIONS TO BE PRESENTED AT THE 80<sup>th</sup> STATUTORY MEETING

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GEN - GENERAL ASSEMBLY REPORTS AND PAPERS OF GENERAL INTEREST

- Gen:1 Observers' reports from cooperating organizations
- Gen:2 ICES activities in 1991/1992
- Gen:3 Election of standing scientific Committee Chairmen at the 80<sup>th</sup> Statutory Meeting (E+F)
- Gen:4 Advance Release of Tables 1-6 of ICES Fisheries Statistics, Vol. 76. 1991
- Gen:5 ICES Committees and their Subsidiary Groups

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(E+F) = in English and French



## DEL - DELEGATES DOCUMENTS



- Del:1\* Audited Income and Expenditure Accounts for the Financial Year 1990/1991 with Balance Sheet at 31/10 1991
- Del:2\* Preliminary report on the administration for the year 1 November 1991 to 31 October 1992
- Del:3\* Report on Activities, 1992
- Del:4\* Estimated accounts for the financial year 1991/1992
- Del:5\* Draft budget for the financial year 1992/1993 (E+F)
- Del:6\* Draft forecast budget for the financial year 1993/1994 (E+F)
- Del:7\* Elections and appointments by the Council at the 80th Statutory Meeting (E+F)
- Del:8\* Request for Observer Status from World Wide Fund for Nature
- Del:9\* Request for Observer Status from Greenpeace International
- Del:10\* Relations with the new North Atlantic Marine Mammal Commission  
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- Del:11\* Memorandum of Understanding between HELCOM and ICES
- Del:12\* The Future of ACMP: its Role and Composition  
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- Del:13\* North Sea Task Force Progress Report
- Del:14\* Cooperation with IOC and SCOR
- Del:15\* Enhancing the interdisciplinary role of ICES: a complementary document to  
C.M.1991/Del:11  
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\*For Delegates only.  
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## FI - FINANCE COMMITTEE



Fi:1\*                    Agenda for the Finance Committee

## PUB - PUBLICATIONS COMMITTEE

- Pub:1\*                    Agenda for the Publications Committee
- Pub:2\*                    Publication activities in 1991/1992
- Pub:3\*                    Sale of ICES publications during the last three years
- Pub:4\*                    Future handling of the *ICES Marine Science Symposia* series
- Pub:5\*                    Report of the Editors of the *ICES Journal of Marine Science* for 1991-1992
- Pub:6\*                    Academic Press Publisher's Report for 1992: *ICES Journal of Marine Science*
- Pub:7\*                    Financial status of *ICES Journal of Marine Science* for 1991

## REFERENCE PAPERS FOR THE PUBLICATIONS COMMITTEE

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\*For the relevant Committees only.



## A - CONSULTATIVE COMMITTEE

- A:1\*            Agenda for the Consultative Committee
- A:2\*            Report of the Programme Planning Group Meeting, ICES Headquarters, 28-29 May 1992
- A:3\*            Minutes of ACFM Meeting, ICES Headquarters, 29 October - 6 November 1991
- A:4\*            Minutes of ACFM Meeting, ICES Headquarters, 19-27 May 1992
- A:5\*            Minutes of ACMP Meeting, ICES Headquarters, 5-12 June 1992
- A:6\*            Compendium of recommendations from Working/Study Group reports

### REFERENCE PAPERS FOR THE CONSULTATIVE COMMITTEE

Del:10 with an Addendum, Del:12, Del:15

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\*For the relevant Committee only.

## B - FISH CAPTURE COMMITTEE

- ✓ B:1 Report of Activities, 1991
- ✓ B:2 G. Thorsteinsson The experience with square mesh windows in bottom trawling and  
 Ref. G seining in Icelandic waters
- ✓ B:3 G. Thorsteinsson Experiments with square mesh windows in the *Nephrops* trawling off  
 Ref. K south Iceland
- ✓ B:4 Report of the Working Group on Fishing Technology and Fish  
 Behaviour, Bergen, 15-16 June 1992
- ✓ B:5 Report of the Working Group on Fisheries Acoustics Science and  
 Technology, Bergen, 17-18 June 1992
- ✓ B:6 Report of the Joint Session of the Working Group on Fishing  
 Technology and Fish Behaviour and the Working Group on Fisheries  
 Acoustics Science and Technology, Bergen, 16 June 1992
- ✓ B:7 D.V. Holliday Acoustic measurement of zooplankton from moorings: a progress  
 Ref. L report
- ✓ B:8 P. Reynisson Target strength measurements of redfish in the Greenland Sea  
 Ref. G
- ✓ B:9 K.G. Foote Nominal performance measures for two 710-kHz transducers
- ✓ B:10 K.G. Foote *et al.* On the frequency dependence of target strength of mature herring  
 Ref. H
- ✓ B:11 O.A. Misund and Grid-selection of penned saithe  
 R. Skeide
- ✓ B:12 J. Netzel *et al.* Selectivity of fishing gear employed in the Polish flounder fishery  
 Ref. J
- ✓ B:13 W. Moderhak Drag coefficient of netting - influence of incidence angle of mesh bar  
 and knot on its value
- ✓ B:14 Å. Bjordal and S. Improved catch rates and selection of Norway lobster (*Nephrops*  
 Ref. K Løkkeborg *norvegicus* L.) by controlled release of fluid bait extract in pot fishing
- ✓ B:15 ~~Withdrawn.~~
- ✓ B:16 ~~Withdrawn.~~
- ✓ B:17 A.E. Dorchenev Intercalibration of acoustic systems onboard R/V "Johan Hjort" and  
 Ref. H and K.A. Hansen R/V "PINRO"
- ✓ B:18 C.G.J.M. van der The effect of ship motions on the dynamic behaviour of a beam trawl  
 Nat *et al.*
- ✓ B:19 M. Kroeger *et al.* Shape estimation of trawls by the help of underwater video techniques
- ✓ B:20 E. Dahm Escapement of fish underneath the groundrope of a standard bottom  
 Ref. G trawl used for stock assessment purposes in the North Sea
- ✓ B:21 E. Dahm Reduction of the mesh size of netting after long-time storage under  
 atmospheric conditions

✓	B:22	J.E. Marteinson	Trawl performance during bottom trawl survey measurements of wing spread, door spread and trawl height
✗	B:23		<u>Withdrawn.</u>
✓	B:24	S. Ehrich	Do different towing distances influence the variance of catch data if the towing time is constant?
✓	B:25 Ref. D	K. Lange	An extended logistic curve for asymmetric distributions of retention rates in selection experiments
✗	B:26		<u>Withdrawn.</u>
✓	B:27	E. Jónsson	Scale damage and survival of haddock escaping through cod-end meshes
✓	B:28 Ref. D	R.B. Millar	Analysis of trawl selectivity studies: implementation in SAS
○	B:29 Ref. G	J.A. Jacobsen <i>et al.</i>	Survival of saithe ( <i>Pollachius virens</i> L.) escaping through trawl meshes
✓	B:30	G.I. Sangster	The survival of fish escaping from fishing gears
✗	B:31 Sess. Q Poster	J.H.B. Robertson	Using the twin trawl to measure cod-end selectivity
✗	B:32 Sess. Q Poster	J. Main and G.I. Sangster	A new design of cod-end cover for mesh selection experiment
✗	B:33	A.I. Pyanov	Fish learning and the fishery
✓	B:34	H. Stengel	Considerations about the accuracy required for the calculation of the hydrodynamic resistance of trawls
✓	B:35	U. Lorenzen and U. Richter	Design of bottom trawls using a computer program
✓	B:36 Ref. D+K	M. Larsvik and L. Ulmestrand	Square and diamond mesh trawl codend selection on <i>Nephrops norvegicus</i> (L.) analyzed with the curve-fit method isotonic regression
✓	B:37	D. de Haan	The underwater sound emissions of research vessels and the beam trawler TX 48
✗	B:38 Ref. L	T. Knutsen and E. Ona	Target strength measurements of the free swimming cupnausid <i>Meganyctiphanes norvegica</i> (M. Sars) at 120 kHz
✓	B:39 Ref. G+H		Report from FTFB Subgroup: Evaluation of sources of variability in fishing power of the GOV trawl
✗	B:40 Sess. Q Poster	C.W. Glass <i>et al.</i>	Investigation of the principles of fish behaviour underlying mesh selection
✗	B:41 Sess. Q Poster	S. Olsen and C.S. Wardle	Fish behaviour in relation to fish capture - important issues arising from the Bergen Symposium, June 1992



**REFERENCE PAPERS FOR THE FISH CAPTURE COMMITTEE**

D:10, D:24, D:27, G:18, G:49, H:15 (Poster), H:30, J:22, K:18, L:18, N:17

1987

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## C - HYDROGRAPHY COMMITTEE

- C:1  
Sess. V Report of the Meeting of the ICES Study Group on SKAGEX,  
Gdynia, Poland, 4-8 November 1991
- C:2 E. Buch *et al.* Arctic Ocean deep water masses in the western Iceland Sea
- C:3 Report of the Working Group on Shelf Seas Oceanography,  
Copenhagen, 26-28 February 1992
- C:4 Report of the Working Group on Oceanic Hydrography, Torshavn,  
Faroe Islands, 22-24 April 1992
- C:5  
Ref. D Report of the Working Group on Marine Data Management,  
Torshavn, Faroe Islands, 22-24 April 1992
- C:6 G. Becker *et al.* Recent high salinity in the English Channel/southern North Sea
- C:7 Withdrawn.
- C:8 J. Fischer *et al.* Observations related to deep convection in the central Greenland  
Sea
- C:9 T. Wojewodzki and Long-term changes of temperature, salinity and oxygen in the  
Sess. U A. Grelowski Gdansk Deep
- C:10 S. Jónsson and The transport and circulation in Fram Strait  
A. Foldvik
- C:11 Withdrawn.
- C:12 B. Hansen Residual and tidal currents on the Faroe Plateau
- C:13 L. Lastein Hydrographic investigations on the Faroe Bank 1985-1992
- C:14 C.M. Afonso Dias Circulation and water masses off the Portuguese coast in  
September-October 1991
- C:15 Bo Lundgren What to do with ADCP data?
- C:16 S.-A. Malmberg *et al.* A note on water masses and ecology in the Iceland Sea - GSP -  
1987-1991
- C:17 A. J. da Silva Dependence of upwelling-related circulation on wind forcing and  
stratification over the Portuguese northern shelf
- C:18 V.V. Tereschenko Results from long-period oceanographic observations along the  
Barents Sea standard sections during 0-group fish surveys
- C:19 W.R. Turrell *et al.* Hydrographic observations at the continental shelf edge northwest  
of Scotland
- C:20 D.J. Ellett and Increased salinity levels in the NE Atlantic  
W.J. Turrell
- C:21 C. Heinze A primitive equation model study of the European Polar Seas
- C:22 Withdrawn.
- C:23 I.H. Harms First result of a three-dimensional, baroclinic Barents Sea model

- C:24 O.V. Titov *et al.* Physical and chemical characteristics of waters west of the British Isles in spring 1992
- C:25 H. Prandke and A. Stips On the nature of near-bottom mixing in Baltic water basins
- C:26 A. Scharrel Horizontal circulation in the Greenland Sea 1986-1989
- C:27 M. Matthias Seasonal variability of the water mass distribution in the Greenland Sea
- C:28 K. Herbig Exchange through Fram Strait: meridional variability of transports in 1984
- C:29 K. Chrubassik Exchanges through Fram Strait: interannual variability of the transports
- C:30 D. Dobberphuhl Exchange through Fram Strait: watermass transports during 1984-1985
- C:31 K. Latarius The near surface circulation in the Greenland Sea
- C:32 H.U. Lass and Th. Schmidt Observations of coastal jets in the Arkona Basin
- C:33 J. Heilmann The date of organically fixed nutrients off the Danish west coast - Sess. U are they transported into the Kattegat?

**REFERENCE PAPERS FOR THE HYDROGRAPHY COMMITTEE**

D:30, G:17, H:20, J:5, K:2, L:3, L:4, L:7, N:12, Poll:2

## D - STATISTICS COMMITTEE

- D:1 Report of the Statistics Committee Liaison Working Group, Copenhagen, 29-30 January 1992
- D:2 P. Sparre BEAM IV, a bio-economic multi-species multi-fleet, multi-plant, multi-area extension of the traditional forecast model
- D:3 D.G. Cross ICES-EC collaboration in fishery statistics
- ÷ D:4 P. Petitgas A geostatistical analysis of dispersion in fish populations
- D:5 S. Kuikka and Use of Bayesian influence diagrams in fisheries management: application to Baltic salmon management  
Ref. M O. Varis
- D:6 Report of the Workshop on the Analysis of Trawl Survey Data, Woods Hole, MA, USA, 4-9 June 1992  
Ref. G+H+J
- SK: 3.3.93  
÷ D:7 E. Ona *et al.* Design of combined acoustic and trawl surveys ~~Withdrawn~~
- D:8 M. Pennington *et al.* The effect of trawl survey variability on VPA estimates of abundance
- ✓ D:9 O. Godø and M. Pennington The effect of changes in catchability on the variance of marine survey abundance indices
- ✓ D:10 K.G. Foote and Geostatistical analysis of acoustic survey data on 0-group herring in a fjord  
Ref. B+H J. Rivoirard
- ÷ D:11 Withdrawn.
- D:12 J. Rivoirard Comments on the course on Geostatistics for Fish Survey Data (Fontainebleau, 3-7 February 1992)
- D:13 J.M. Gråstein and Is dice-throwing really the best way to design a groundfish survey?  
Ref. G B. Hansen
- ÷ D:14 Withdrawn.
- D:15 I. Bundgaard and Seasonalized age/length keys with variable hatching time for herring and sprat in the Baltic  
Ref. J H. Sparholt
- D:16 I. Bundgaard and Length-based multi-species model for estimation of predation mortalities of herring and sprat in the Baltic  
Ref. J H. Sparholt
- D:17 P. Lewy *et al.* Description of the STCF North Sea database system and the prediction model ABC, assessments of bioeconomic consequences of technical measures
- D:18 J. Gröger and The importance of catch frequency distributions for the interpretation of catch data and the fit by the very adaptable and realistic  $\beta$ -distribution  
S. Ehrich
- D:19 L.N. Zavjyalov *et al.* Automatic ichthyologic complex
- D:20 J.W. Horwood A comparison of assessment methods: VIIf and g sole  
Ref. G

- D:21 W.G. Warren The potential of sampling with partial replacement for fisheries surveys
- D:22 W.G. Warren Bootstrap confidence intervals for abundance in highly aggregated populations
- D:23 W.G. Warren The effect of different options in spatial analysis of fisheries survey data
- D:24 E.J. Simmonds A simulation study of survey strategies for structured  
Ref. B and R.J. Fryer populations
- D:25 R.M. Cook An assessment of the Shetland sandeel stock using a seasonally  
Ref. G separable fishing mortality model with auxiliary data
- D:26 Y. Morizur *et al.* Bar codes in fisheries research: development of a new fish measuring board
- D:27 S. Fifas and An efficiency model of an experimental scallop (*Pecten maximus*  
Ref. B+K P. Berthou L.) dredge. Example of the Saint Brieuc fishery (English Channel, France) sensitivity studies
- D:28 S. Fifas and Estimation of variances and bias for growth parameters.  
Ref. K M. Jezequel Resampling techniques (Jackknife) and Taylor's developments. Is it interesting to back-calculate growth?
- D:29 R.J.H. Beverton Stability in fisheries with stock-dependent catchability  
Ref. G+H and P.F. Randerson
- D:30 R.J.H. Beverton A note on the analysis of multiple data series of stock,  
Ref. and T.C. Iles recruitment and one or more environmental factors  
C+G+H
- D:31 P. Degnbol The stomach contents of whiting stomachs: statistics  
Ref. G
- D:32 J.M. Hoenig *et al.* Estimation of survival rates for immature and mature capelin in  
Ref. H NAFO Division 3L
- D:33 P.A. Shelton *et al.* Risk evaluation of the 10% harvest rate production for capelin in  
Ref. H NAFO Division 3L
- D:34 M.J. Fogarty and Stochastic models for stationary gear fisheries  
J.T. Addison
- D:35 ICES Fishery Statistician's Progress Report  
Secretary

#### REFERENCE PAPERS FOR THE STATISTICS COMMITTEE

B:25, B:28, B:36, C:5, G:37, G:61, G:71, K:22, K:34, K:36, M:23, M:26, M:27, N:10, Poll:1

## E - MARINE ENVIRONMENTAL QUALITY COMMITTEE

- |                 |                            |  |
|-----------------|----------------------------|--|
| E:1             |                            | Report of Activities, 1991   |
| E:2<br>Sess. U  | R. Tamsalu <i>et al.</i>   | Long-term forecasting of the nutrients level in the Gulf of Finland  |
| E:3<br>Sess. U  |                            | Report of the Steering Group for the Coordination of the Baseline Study of Contaminants in Baltic Sea Sediments, Lysekil, Sweden, 16-17 March 1992   |
| E:4<br>Sess. U  |                            | Report of the Working Group on the Baltic Marine Environment, Lysekil, Sweden, 18-20 March 1992  |
| E:5             |                            | Report of the <i>ad hoc</i> Planning Group on the ICES/IOC/OSPAR-COM Intercomparison Programme on the Analysis of Chlorobiphenyls in Marine Media, Tenerife, Canary Islands, Spain, 7 March 1992 |
| E:6             |                            | Report of the ICES/NSTF/OSPARCOM <i>ad hoc</i> Working Group on Sediment Baseline Study Data Assessment, Copenhagen, 27 April - 2 May 1992   |
| E:7             |                            | Report of the Working Group on the Effects of Extraction of Marine Sediments on Fisheries  |
| E:8             |                            | <u>Withdrawn.</u>  |
| E:9<br>Sess. O  | A.D. Vethaak <i>et al.</i> | Notes on sampling design, statistical analysis and interpretation of fish disease prevalence data submitted to ICES  |
| E:10<br>Sess. O | A.D. Vethaak               | An epidemiological study on diseases in flounder ( <i>Platichthys flesus</i> ) in Dutch coastal waters with special reference to environmental stress factors                                    |
| E:11<br>Sess. O | A.D. Vethaak               | Large scale mesocosm study of the effects of marine pollution on the health status of fish: general methods and <i>interim</i> report on epidemiology  |
| E:12            | L.D. Peters <i>et al.</i>  | Toxicity studies, 7-ethoxyresorufin O-deethylase (EROD) and antioxidant enzymes in early life stages of turbot ( <i>Scophthalmus maximus</i> L.) and sprat ( <i>Sprattus sprattus</i> L.)        |
| E:13            | R.K. Pipe <i>et al.</i>    | The development of immunocompetence assays in mussels for use with a microtiter plate reader   |
| E:14            | A. Pulsford <i>et al.</i>  | Effects of environmental stress on dab <i>Limanda limanda</i> immune system  |
| E:15            | R.F. Addison               | Biochemical indices of marine pollution: a review of recent field studies  |
| E:16<br>Ref. L  | P.H. Becker                | Seabirds as monitors of chemicals in the marine environment  |
| E:17<br>Sess. U | G. Weichart                | Oxygen in the western Baltic Sea: a trend analysis   |

- E:18 D. Schmidt and W. Gerwinski A baseline study for trace metals in the open Atlantic Ocean
- E:19 P. Freimann *et al.* Improvement of quality assurance in seawater analysis: the performance of trace metal analyses by TXRF in the inter-calibration and certification stages for new reference materials
- E:20 M. Schirmacher *et al.* Use of trace metal analyses to identify maritime oil samples
- E:21 S. Grune and L. Karbe Hydrolytic activity and distribution of bacteria in the German Bight
- E:22 H.-J. Rick and C.-D. Dürselen Phytoplankton and heavy metals in the German Bight
- E:23 H. Schlünzen *et al.* Local atmospheric input patterns in the German Bight
- E:24 M. Kriews *et al.* A long-term study and source characterisation of atmospheric contaminants in the German Bight
- E:25 Withdrawn.
- E:26 H.H. Janssen and R. Oeschger Hydrogen sulfide resistance in benthic invertebrates  
Sess. V
- E:27 W. Wahl *et al.* Fish diseases in the Wadden Sea  
Sess. O
- E:28 A. Köhler and H.J. Pluta Liver pathology and central detoxification and biotransformation systems in flounder (*Platichthys flesus* L.) in the German Wadden Sea  
Sess. O
- E:29 S.M. Rowlatt and D.R. Lovell The chemical composition of sediments in the western North Sea
- E:30 S.M. Rowlatt and J. Webster Measures of sediment quality at sewage sludge disposal sites
- E:31 R.J. Law *et al.* Contaminants in seawater around England and Wales: results from monitoring surveys, 1990/91
- E:32 M.J. Waldock *et al.* Improvements in bioindicator performance in UK following the control of the use of TBT antifoulings
- E:33 H.L. Rees and T.H. Pearson An approach to the setting of environmental quality standards at marine waste disposal sites
- E:34 J.E. Thain and P. Matthiessen Experience with oyster embryo bioassay for NSFF and NMP purposes in coastal waters around England
- E:35 D. Bucke and P.F. Dixon Serological and histopathological studies on fish exposed *in vitro* to contaminated harbour sludge  
Sess. O
- E:36 H. Michaelis *et al.* The "black spot disease" (anaerobic surface sediments) of the Wadden Sea
- E:37 O. Roots and R. Aps Polychlorinated biphenyls and organochlorine pesticides in the Baltic herring and sprat  
Ref. J

- |                 |                               |  |
|-----------------|-------------------------------|--|
| E:38<br>Sess. U | D. Nehring                    | Research in connection with the scientific interpretation of nutrient data from the Baltic Monitoring Programme              |
| E:39            | L. van der Valk               | Estimated amount of physical disturbance of the seabed in the shallow southern North Sea due to natural causes               |
| E:40<br>Sess. U | S. Carlberg <i>et al.</i>     | Swedish marine environmental monitoring - today and tomorrow   |
| E:41<br>Ref. L  | A. Rieckhoff and<br>W. Nellen | Reactions of fish larvae to water of the Elbe river at Hamburg harbour   |
| E:42<br>Sess. V | I. Kröncke                    | The ecology of the Dogger Bank: the actual state of knowledge  |
| E:43<br>Sess. V | C. Pohl                       | Correlation between cadmium concentrations in seawater and zooplankton organisms (Copepoda) of the Arctic and Atlantic ocean |
| E:44<br>Sess. U | L. Brüggemann                 | Research and monitoring of contaminants in the Baltic Sea - two sides of one medal?  |
| E:45            | M. Harich <i>et al.</i>       | Heavy metal distribution in different compartments of the northern North Sea and adjacent areas                              |
| E:46            | J. Andrulowitz                | Developing monitoring and assessment strategy in the Baltic Sea  |
| E:47<br>Poster  | E.-L. Poutanen <i>et al.</i>  | Development of a geographic information system for the Baltic drainage area  |
| E:48<br>Ref.Pub |                               | Report of the Editor of the Techniques in Marine Environmental Sciences for 1992   |

#### REFERENCE PAPERS FOR THE MARINE ENVIRONMENTAL QUALITY COMMITTEE

K:10, K:48, L:7, N:6, Poll:1, Poll:5



## F - MARICULTURE COMMITTEE

- F:1 Report of Activities, 1991
- F:2 Report of the Working Group on Pathology and Diseases of Marine  
Sess. O Organisms, Copenhagen, 2-5 March 1992
- F:3 J.E. Stewart Final Report of the Study Group on the Potential for Culture of  
Species
- F:4 Report of the Working Group on Mass Rearing of Juvenile Fish
- F:5 Report of the Working Group on Genetics
- F:6 I. Huse *et al.* Illumination in first feeding tanks for marine fish larvae
- F:7 T. Lang Results of macroscopical examination of the occurrence of  
Sess. O *Ichthyophonus* spp. in herring (*Clupea harengus*) of the Baltic and  
North Sea
- F:8 I. Garcia de la Improvement of turbot larval development by lactic bacterial addition  
Banda *et al.*
- F:9 K. Korsbrekke *et al.* Macroscopic organ ~~manifestations and related condition factor in~~ **withdrawn**  
Sess. O herring with *I. hoferi* disease; field studies and analysis of historical  
Skur. 3.3.93 data
- F:10 G.V. Grigorjev On the relative number of Atlantic salmon males maturing under  
Ref. M and S.A.  
Oganesyan
- F:11 A.L.S. Munro Controlling the spread of IPN virus in Scottish salmon farms  
Ref. M and D. Smail
- F:12 J. Pickova and Rearing experiments with cod. Comparisons between Baltic cod and  
Ref. J P.-O. Larsson Skagerrak coastal cod
- F:13 B. Björnsson The effects of stocking density on growth rate of young halibut  
(*Hippoglossus hippoglossus* L.) reared in large circular tanks for 3  
years
- F:14 Report of the Working Group on Environmental Impacts of  
Sess. O Mariculture, Kiel 22-24 April 1992
- F:15 M. Gillespie *et al.* A progress report on the Sea Fish Industry Authority Halibut  
Rearing Programme
- F:16 Publications of interest to the Mariculture Committee, with an  
Addendum
- F:17 Report of the Editor of the ICES Identification Leaflets for Diseases  
Ref. Pub and Parasites of Fish and Shellfish for 1992

## REFERENCE PAPERS FOR THE MARICULTURE COMMITTEE

G:35, G:65, G:66, G:81, K:10, K:30, L:41, M:31, Poll:3

## G - DEMERSAL FISH COMMITTEE

- G:1 Report of Activities, 1991
- G:2 Report of the Study Group on Division IIIa Demersal Stocks, ICES  
Ref. J Headquarters, 9-13 March 1992
- G:3 O.K. Gutvik *et* Growth is a many splendid thing: analyses in witch flounder  
Sess. P *al.* (*Glyptocephalus cynoglossus*), patterns and implications
- G:4 Report of the Study Group on the Analysis of Feeding Data, St.  
Ref. John's, Newfoundland, 17-19 March 1992  
H+J
- G:5 T. Laevastu Interactions of size-selective fishing with variations in growth rates on  
Sess. P fish stocks
- G:6 G.A. Nelson and Estimates of gastric evacuation and consumption rates in little skate  
M.R. Ross (*Raja erinacea*)
- G:7 M.R. Ross and The influence of stock abundance and water temperature upon growth  
Sess. P G.A. Nelson dynamics of haddock and yellowtail flounder on Georges Bank
- G:8 E. Fahy and A second assessment of the stock of megrim *Lepidorhombus whiffi-*  
P. Gleeson *agonis* in Divisions VIIb,c,j and k, with particular reference to the  
landings of joint venture vessels
- U G:9 Å. Høines *et al.* Seasonal variation of the diet of cod (*Gadus morhua* L.) and haddock  
Ref. H (*Melanogrammus aeglefinus* L.) at a herring spawning ground
- G:10 Report of the Study Group on Tagging Experiments for Juvenile  
Plaice, IJmuiden, 16-20 March 1992
- G:11 Report of the Study Group on Ecosystem Effects of Fishing Activities,  
Sess. T Copenhagen, 7-14 April 1992
- G:12 Progress Report on the ICES 1991 North Sea Stomach Sampling Pro-  
Ref. H ject, IJmuiden, 23-28 April 1992
- G:13 Report of the Steering Group for the Production and Publication of an  
Ref. H Atlas of North Sea Fish, IJmuiden, 29 April - 1 May 1992
- G:14 Report of the Study Group on Redfish Stocks, Copenhagen, 13-15  
May 1992
- G:15 Report of the Study Group on Fisheries Units in Sub-areas VII and  
VIII, Nantes, 3-10 June 1992
- G:16 Report of the Study Group on Fecundity of Sole and Plaice in Sub-  
areas IV, VII, and VIII, Lowestoft, 6-10 July 1992
- √ G:17 Sundeby, S. Report of the Steering Group on Cod and Climate Change  
Ref. C+L
- G:18 Report of the Study Group on Beam Trawl Surveys  
Ref. B

G:19 Report of the Study Group on Bottom Trawl Surveys in Sub-areas VI, VII, and VIII and Division IXa

G:20 G. Marteinsdóttir and W. Thorsteinsson Egg size variation in natural populations of cod (*Gadus morhua* L.) in Icelandic waters

G:21 G. Marteinsdóttir Depth-related variation in size and sex ratios in Greenland halibut off the west coast of Iceland

G:22 M. Kowalewska-Pahlke A comparison of the growth rate in walleye pollock (*Theragra chalcogramma*) taken from open waters of the Bering Sea and those from the open waters of the Okhotsk Sea in 1991

G:23 H. Marques da Silva Sess. P Growth of juvenile spiny dogfish (*Squalus acanthias*) in the NW Atlantic, with particular reference to the effect of density-dependence

G:24 S.A. Pedersen and F. Riget Ref. K Feeding habits of redfish, *Sebastes* sp., in West Greenland waters with special emphasis on predation on shrimp

G:25 F. Riget and S.A. Pedersen Ref. K Feeding habits of Greenland halibut (*Reinhardtius hippoglossoides*) in West Greenland waters with special emphasis on predation on shrimp and juvenile redfish

G:26 S. Alshuth and R. Grant Gilmore Jr. Early larval development, growth and spawning ecology of the black drum, *Pogonias cromis* L. (Pisces: Sciaenidae)

G:27 Withdrawn.

G:28 J. Reinert *et al.* Stock identification of *S. marinus* L. and *S. mentella* Travin in the North-East Atlantic based on measurements of Cs-137 content in the fish

G:29 J. Reinert and L. Lastein Stock identification of *S. marinus* L. and *S. mentella* Travin in the North-East Atlantic based on meristic counts and morphometric characters

G:30 Withdrawn.

G:31 Withdrawn.

G:32 J.R. Nielsen Growth of Greenland cod, *Gadus ogac*, in the Nuuk area of West Greenland

G:33 Withdrawn.

G:34 Withdrawn.

G:35 Å. Bjordal and A.B. Skar Ref. F Tagging of saithe (*Pollachius virens* L.) at a Norwegian fish farm - preliminary results on migration

G:36 G. Nedreaas *et al.* Electrophoretic studies of redfish (Genus *Sebastes*) from Icelandic and Greenland waters

G:37 J.M. Grástein Ref. D Analysis of the Faroese groundfish surveys 1983-1991

G:38 Withdrawn.

G:39 J.C. Holm *et al.* Sess. P Growth rate differences between sexes - a possible indicator of food availability in wild cod (*Gadus morhua*)

withdrawn

- G:40 H. Dupouy and B. Kergoat La pêcherie de grénadier de roche (*Coryphaenoides rupestris*) de l'ouest de l'Ecosse: production, mortalité par pêche et rendement par recrue
- G:41 Withdrawn.
- G:42 J.R. Larsen and H. Gislason MSVPA and prey/predator switching  
Ref. H
- G:43 K.A. Stobberup Food composition and consumption of Chilean hake (*Merluccius gayi* G.) with special reference to cannibalism
- G:44 Withdrawn.
- G:45 P. Lewy and M. Vinther Identification of Danish North Sea trawl fleets and fisheries
- G:46 H. Marques da Silva Reproductive dynamics of spiny dogfish (*Squalus acanthias*) in the NW Atlantic, and its interactions with growth
- G:47 Withdrawn.
- G:48 Ph. Prince Restocking of Limfjorden with turbot grown in commercial plants
- G:49 Th. Neudecker and P. Breckling Preliminary results on studies of the effect of different fishing gear on the catchability of young flatfish and its effects on abundance indices  
Ref. B
- G:50 J.V. Magnússon and S. Sveinbjörnsson Report of the 0-group fish survey in Iceland and East Greenland waters
- G:51 J. Magnússon *et al.* Report on the joint Icelandic/Russian acoustic surveys on oceanic Redfish in the Irminger Sea and adjacent waters in May-July 1992
- G:52 J.V. Magnússon Notes on infestation by *Sphyrion lumpi* and abnormalities in the pigmentation of the oceanic *Sebastes mentella*
- G:53 M.S. Shevelev *et al.* Investigations on cod and haddock in the Barents Sea and adjacent waters in 1991
- G:54 N.V. Mukhina *et al.* Redfish spawning grounds in the Barents Sea and adjacent waters
- G:55 M.V. Kovtsova On regulation measures in the fishery for Greenland halibut of the Norwegian-Barents Sea stock
- G:56 I.V. Borkin *et al.* Trophic interrelations between marine mammals and Polar cod  
Ref. N
- G:57 A.I. Pavlov and A.S. Gorelov Results of estimation of numbers and biomass of *Sebastes mentella* in the Irminger Sea in 1989-1991
- G:58 A.P. Pedchenko The conditions of redfish aggregations formation in spring in the Irminger Sea  
Ref. L
- G:59 K. Ramsay Preliminary analysis of fish and shellfish distributions in the eastern English Channel from beam trawl surveys, 1988-1991  
Ref. K
- G:60 D.J. Symonds and M.R. Vince Beam trawl surveys in the Irish Sea, Bristol Channel and western English Channel

revised

G:61 A. Temming and Fitting of stomach evacuation models, which are applicable for  
Ref. D N. Andersen estimation of food consumption, to data from the international gastric  
evacuation experimental data base

G:62 A. Jarre- MAXIMS - a computer program for estimating the food consumption  
Teichmann of fish

G:63 N.G. Andersen Some preliminary results from gastric evacuation studies on whiting  
(*Merlangius merlangus* L.)

G:64 Report on the Icelandic acoustic survey on the oceanic *Sebastes*  
*mentella* in the Irminger Sea in June 1991

G:65 K.E. Jørstad and Genetic studies on released and recaptured cod in a fjord system  
Ref. F G. Nævdal

G:66 K.E. Jørstad and Studies on associations between genotypes and growth rate of 0-group  
Ref. F G. Nævdal cod

G:67 S.T. Forbes and Multispecies forecasts for North Sea fish stocks - a presentation of  
Ref. H P.A. Kunzlik further exploitation scenarios

G:68 A. Silva Distribution and abundance of John Dory (*Zeus faber*, Linnaeus 1758)  
in the Portuguese continental waters (ICES Div. IXa) during 1986-  
1991

G:69 Withdrawn.

G:70 J. Dorman *et al.* Food and feeding of cod in the Skagerrak and the Kattegat in 1991  
Ref. J

G:71 G. Stefánsson Notes on the stock-dynamics and assessments of the Icelandic cod  
Ref. D

G:72 Withdrawn.

G:73 S. Fifas and Protocol d'échantillonnage et analyse stochastique de pseudo-cohorte du  
Mtimet stock de baudroies communes (*Lophius piscatorius* L.) en Manche  
ouest (France). Traitement des différents types de présentation des  
débarquements

G:74 S. Fifas *et al.* Une relation biométrique pour l'étude de la composition en taille des  
captures commerciales des baudroies (*Lophius piscatorius* L. et  
*Lophius budegassa* L.) en Manche ouest

G:75 R.J.H. Beverton Rational harvesting and the conservation ethic  
Sess. T

G:76 Publications of interest to the Demersal Fish Committee. 1991

G:77 E. Fahy and Aspects of the exploitation of the Northern hake *Merluccius*  
P. Gleeson *merluccius* stock by fleets based in the Irish Republic

G:78 P. Solemdal The effects of maternal status of Arcto-Norwegian cod on egg quality  
Ref. L *et al.* and vitality of early larvae. I. The collection and the characteristics of  
the cod females

G:79 P. Solemdal The effects of maternal status of Arcto-Norwegian cod on egg quality  
Ref. L *et al.* and vitality of early larvae. II. Preliminary results of the experiments  
in 1992

G:80 Ref. L	I. Kröncke and R. Knust	Seasonal variations in macrofauna abundance on the Dogger Bank in relation with stomach content of dab ( <i>Limanda limanda</i> )
G:81 Ref. F	C.A. Fernandez- Pato <i>et al.</i>	Effect on growth and muscle contents of turbot ( <i>Scophthalmus maximus</i> ), using diets with different levels of fat/tocopherol and L-carnitine
G:82 Ref. H		Preliminary report on the International O-Group Fish Survey in the Barents Sea and adjacent waters in August-September 1992

**REFERENCE PAPERS FOR THE DEMERSAL FISH COMMITTEE**

B:2, B:8, B:20, B:29, B:39, D:6, D:13, D:20, D:25, D:29, D:30, D:31, H:3 with Addendum, H:31,  
J:41, K:32, L:7, L:8, M:24, N:8, N:22, Assess:16

## H - PELAGIC FISH COMMITTEE

- |   |  |   |
|---|--|---|
| H:1   |  | Report of Activities, 1991  |
| <del>✂</del> H:2                                | <del>_____</del>                               | Publications of interest to the Pelagic Fish Committee, 1991  |
| H:3<br>Ref. G                                   |  | Report of the International Bottom Trawl Survey Working Group, Copenhagen, 13-17 January 1991   |
| H:3/Addendum                                    | <del>_____</del>                               | Manual for International Bottom Trawl Surveys. Revision IV  |
| H:4   | <del>_____</del>                               | Report of the Study Group on Stock Identity of Mackerel and Horse Mackerel, Vigo, 22-24 January 1992  |
| H:5<br>Ref. J                                   |  | Report of the Workshop on Methods of Forecasting Herring Catches in Division IIIa and the North Sea, Lysekil, Sweden, 10-13 March 1992                            |
| ✓ H:6   | T. Monstad <i>et al.</i><br><del>_____</del>   | Report of the Joint Norwegian-Russian acoustic survey on blue whiting, spring 1992  |
| H:7   |  | Report of the Workshop for Revising the Horse Mackerel Database of Divisions VIIIc and IXa, Lisbon, 2-3 June 1992   |
| H:8   |  | Report of the Study Group on Age Units for Herring  |
| H:9   | F. Alvarez and F. Alemany                      | Regional growth differences in sardine ( <i>Sardina pilchardus</i> Walb.) larvae from Cantabrian and Galician coasts  |
| H:10  | S. Junquera and G. Perez-Gandaras              | Analysis of stock identity in Bay of Biscay anchovy using biological parameters   |
| H:11  | R. Grzebielec and K. Trela<br><del>_____</del> | An assessment of Falkland blue whiting stock on the basis of age composition of Polish catches  |
| H:12  | W. Pelczarski                                  | Differences in age structure and growth rate of yellowfin and bigeye tuna caught with longlines in the central Atlantic   |
| ✓ H:13  | J.Chr. Holst and S.A. Iversen                  | Distribution of Norwegian spring-spawning herring and mackerel in the Norwegian Sea in late summer, 1991  |
| c H:14  | J.Chr. Holst<br><del>_____</del>               | Cannibalism as a factor regulating year class strength in the Norwegian spring-spawning herring stock   |
| <del>SKR 1993</del><br>H:15<br>Ref. B<br>Poster | O.A. Bergstad <i>et al.</i>                    | Acoustic survey of deep-water fish ( <i>Coryphaenoides rupestris</i> , <i>Argentina silus</i> ) of the Skagerrak <span style="float: right;"><u>Poster</u></span> |
| ✓ H:16<br>Sess. V                               | A. Dommasnes <i>et al.</i>                     | Reduced oxygen concentrations in herring wintering areas  |
| H:17<br>Ref. L                                  | S. Dorsey and E.D. Houde                       | Daily variability in mortality of bay anchovy, <i>Anchoa mitchilli</i> , eggs in Chesapeake Bay   |
| ✓ H:18  | I. Røttingen                                   | Recent migration routes of Norwegian spring-spawning herring  |
| <del>✂</del> H:19                               |  | <u>Withdrawn</u>  |

H:20 Ref. C		Report of the International Bottom Trawl Survey in the North Sea, Skagerrak and Kattegat in 1992, Quarter 1
H:21	A. Eltink	Horse mackerel egg production and spawning stock size in the North Sea in 1991
H:22		<u>Withdrawn.</u>
H:23 Poster	L. Motos and A. Uriarte	Biomass assessment of the Bay of Biscay anchovy, <i>Engraulis encrasicolus</i> L., using the DEPM in 1991
H:24		<u>Withdrawn</u>
H:25		<u>Withdrawn</u>
H:26	R.L. Stephenson	An overview of herring assessments in the Northeast and Northwest Atlantic
H:27 Sess. O	B. Hjeltnes and D.W. Skagen	<i>Ichthyophonus hoferi</i> disease in the herring in Norwegian waters
H:28		<u>Withdrawn.</u>
H:29	E. Kirkegaard	Discards in the Danish pelagic fisheries in the North Sea and the Skagerrak
H:30 Ref. B	K. Wieland <i>et al.</i>	Preliminary results on the small scale distribution of herring larvae in the English Channel as obtained by means of a towed video recording system
H:31 Ref. G	T.Ya. Puschaeva	Daily dynamics in feeding and food interrelations of capelin and cod fingerlings in the Barents Sea
H:32	I.V. Borkin <i>et al.</i>	Some ichthyoplankton and hydroacoustic observations in waters to the west and northwest of the British Isles during 1992
H:33		<u>Withdrawn.</u>
H:34 Sess. P	N. Broekhuizen <i>et al.</i>	A model of individual fish growth as the basis for a fish population module of the EC "European Seas Ecosystem Model" (ERSEM)
H:35	E.J. Simmonds <i>et al.</i>	Report of the 1991 ICES-coordinated acoustic survey of herring stocks in ICES Divisions VIa, IVa, and IVb
H:36		<u>Withdrawn.</u>
H:37 Poster	C. Franco <i>et al.</i>	Horse mackerel ( <i>Trachurus trachurus</i> ) egg distribution and stage 1 egg production estimates in Divisions VIIIb,c and IXa from 1988, 1989, 1990 and 1991
H:38 Poster	L. Motos <i>et al.</i>	Mackerel ( <i>Scomber scombrus</i> ) egg distribution and stage 1 egg production estimates in Divisions VIIIb,c and IXa from 1988, 1989, 1990 and 1991

#### REFERENCE PAPERS FOR THE PELAGIC FISH COMMITTEE

B:10, B:17, B:39, D:6, D:10, D:29, D:30, D:32, D:33, G:4, G:9, G:12, G:13, G:42, G:67, G:82, J:22, J:41, K:2, K:32, L:7, L:8, L:35, L:39, M:24, N:8, N:23



## J - BALTIC FISH COMMITTEE

- |         |                                |  |
|---------|--------------------------------|--|
| J:1     |                                | Report of Activities, 1991   |
| J:2     |                                | Publications of interest to the Baltic Fish Committee, 1991  |
| J:3     | O. Bagge <i>et al.</i>         | Mean length at age of cod in the Baltic Sub-division 25 1984-92 as estimated from R/V "Dana" in March  |
| J:4     | E. Aro <i>et al.</i>           | Changes in the growth rate of Baltic herring. Why some specimens are starving in the northern Baltic   |
| Sess. P |                                |  |
| J:5     | E. Aro <i>et al.</i>           | Estimation of Baltic cod eggs and larvae drift in the southern Baltic in July-August 1991 by a two-layer, two-dimensional linear flow model. Sensitivity and verification of the model |
| Ref. C  |                                |  |
| J:6     |                                | <u>Withdrawn.</u>  |
| J:7     | F. Arrhenius and S. Hansson    | Food consumption of herring and sprat in the Baltic Sea  |
| Ref. L  |                                |  |
| J:8     | F. Shvetsov <i>et al.</i>      | Distribution and size of herring and sprat stocks in the Baltic proper, determined by the acoustic method, October 1991  |
| J:9     |                                | Report of the Study Group on Young Fish Surveys in the Baltic, Tallinn, Estonia, 24-29 August 1992   |
| J:10    |                                | Report of the Planning Group for Hydroacoustic Surveys in the Baltic, Copenhagen, 21-22 April 1992   |
| J:11    |                                | Report of the Steering Group on Fisheries/Environmental Management Objectives and Supporting Research Programmes in the Baltic Sea, Copenhagen, 1-2 June 1992                          |
| Sess. T |                                |  |
| J:12    |                                | Report of the Workshop on Baltic Sprat Age Determination, Tallinn, 31 August - 4 September 1992  |
| J:13    |                                | <u>Withdrawn.</u>  |
| J:14    | J. Netzel                      | Polish investigations on juvenile cod in the Gulf of Gdansk 1962-1992  |
| Sess. U |                                |  |
| J:15    | J. Kuczynski and R. Zaporowski | Review of the data on fecundity of the Baltic flounder   |
| J:16    | B. Draganik                    | Fishing mortality and recruitment to the stock of flounder [ <i>Platichthys flesus</i> (L.)] in Sub-division 26  |
| J:17    | J. Ostrowski and A. Mackiewicz | Feeding of cod and herring in the southern Baltic in 1991  |
| J:18    | M. Kosior and J. Skolski       | Effect of variability in the sex ratio of cod on the population's reproductive potential estimates   |
| J:19    | A. Orłowski                    | Acoustic survey of fish stock abundance in the Polish fishery zone   |

J:20 Ref. L	T.B. Linkowski	Growth of sprat larvae in the southern Baltic estimated by otolith microstructure analysis
J:21 Sess. P	B. Sjöstrand	Changes in length at age in Baltic herring, studied by back-calculation from scales
J:22 Ref. B+H	P. Suuronen and S. Kuikka	Effects of increased trawl selection on the catches and populations of Baltic herring
J:23	H. Jensen and H. Sparholt	Estimation of predation mortality of cod in the central Baltic using the MSVPA
J:24 Sess. P	V. Berzinsh <i>et al.</i>	The analysis of mean weight-at-age changes of Baltic herring in the eastern Baltic
J:25	F. Shvetsov <i>et al.</i>	On some local properties of Baltic sprat ( <i>Sprattus sprattus Balticus</i> Schn.)
J:26	M. Starodub <i>et al.</i>	The feeding of sprat in eastern Baltic
J:27	A. Davidyuk <i>et al.</i>	Feeding and growth of the Baltic herring ( <i>Clupea harengus M. Membras</i> L.)
J:28	E. Urtans	Daily rhythmic of eelpout ( <i>Zoarces viviparus</i> L.) feeding in the Gulf of Riga
J:29 Sess. P+U	T. Baranova	Growth of Baltic cod in 1972-1991
J:30	M. Plikshs	Spatial distribution of cod in pre-spawning and spawning periods in eastern Baltic
J:31	E. Kondratovich	Ecology of young cod in the eastern Baltic in 1989-1992
J:32	E. Götze <i>et al.</i>	Report on the hydroacoustic survey in ICES Sub-divisions 22, 23, 23, 24 and 25 in October 1991
J:33		<u>Withdrawn.</u>
J:34		<u>Withdrawn.</u>
J:35	H. Sparholt <i>et al.</i>	The 1992 multispecies assessment of the fish stocks in the western Baltic
J:36 Ref. L	W. Weber and R. Froese	Synopsis of biological data on <i>Gadus morhua</i> L., ICES stock in Sub-divisions 22 and 24, using the FISHBASE database format
J:37	F. Thurow and W. Weber	Catch rates <i>versus</i> biomass in Baltic cod
J:38	C.C. Friess	Analysis of discards during the trawl fishery for flounder ( <i>Platichthys flesus</i> ) in the Oderbank area (ICES Sub-division 24) from 1983 to 1990
J:39 Ref. L	R. Froese and C.C. Friess	Synopsis of biological data on <i>Platichthys flesus</i> (L.), ICES Sub-division 24, using FISHBASE database format
J:40 Ref. L	R. Froese and O. Rechlin	Synopsis of biological data on <i>Clupea harengus</i> (L.), ICES assessment units 22 and 24, using the FISHBASE format

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|-------------------|---------------------------|---|
| J:41<br>Ref. G+H  | F.W. Köster               | Predation by herring and sprat on cod eggs and larvae in the Bornholm Basin - preliminary results |
| J:42<br>Sess. P+U | R. Parmanne               | Changes in the growth of herring in the northern Baltic Sea                                       |
| J:43<br>Sess. O   | A. Turovsky <i>et al.</i> | The parasitic infestation and growth of clupeoids in the North-Eastern Baltic                     |
| J:44<br>Sess. U   | R. Aps                    | Growth of sprat in the northern Baltic  |

**REFERENCE PAPERS FOR THE BALTIC FISH COMMITTEE**

**B:12, D:6, D:15, D:16, E:37, F:12, G:2, G:4, G:70, H:5**

## K - SHELLFISH COMMITTEE

K:1		Report of Activities, 1991
K:2	Ref. C+H+L	Report of the Study Group on Squid Biology, Nantes, 23-24 September 1991
K:3	E.M. Nilssen and C.C.E. Hopkins	Virtual population analysis and productivity of a deep-water prawn ( <i>Pandalus borealis</i> ) stock before and after a ban on commercial trawling
K:4		<u>Withdrawn.</u>
K:5	R.F. González <i>et al.</i>	<i>Illex coindetii</i> and <i>Todaropsis eblanae</i> (Cephalopoda, Omnastrephidae): their present status in Galician fishery
K:6	G.J. Pierce <i>et al.</i>	The Scottish fishery for <i>Loligo forbesi</i> : current trends
K:7	P.R. Boyle <i>et al.</i>	The life history of <i>Loligo forbesi</i> in the northeast Atlantic
K:8		Report of the Study Group on Life Histories and Assessment Methods of <i>Pandalus</i> Stocks in the North Atlantic
K:9		Report of the Study Group on Life Histories and Assessment Methods of <i>Nephrops</i> Stocks
K:10	Ref. E+F	Report of the Study Group on Pollution Affecting Shellfish in Aquaculture and Natural Populations, Nantes, France, 1-3 July 1992
K:11	C. Meyer	Seasonal variation in composition of trap catches of the spider crab ( <i>M. squinado</i> Herbst, 1788) in a known inshore nursery area on the south coast of Jersey (British Channel Islands)
K:12		<u>Withdrawn.</u>
K:13		<u>Withdrawn</u>
K:14	C.P. Raya <i>et al.</i>	Progress towards ageing cuttlefish ( <i>Sepia hierredda</i> , Rang 1837) from the northwest African coast using statoliths
K:15	F.M. Porteiro	The present status of squid fishery in the Azores archipelago
K:16	S. Bossy <i>et al.</i>	A comparison between the use of total length and carapace length for measuring the minimum legal landing size for the European lobster ( <i>H. gammarus</i> L.)
K:17	T. Rasmussen and K. Tande	Temperature-dependent growth and mortality rates in larvae of the deep water prawn, <i>Pandalus borealis</i> , under laboratory conditions
K:18	Ref. B F. Riget and K. Nygaard	A comparison between catches in shrimp trawls rigged with bobbins and rockhopper ground gear
K:19		<u>Withdrawn.</u>
K:20	H. Eiriksson	A synopsis of age-based assessments and predictions on <i>Nephrops</i> at Iceland during 1977-1992

- K:21 G.Y. Conan *et al.* Life history and fishery management of majid crabs: the case study of the Bonne Bay (Newfoundland) *Chionoecetes opilio* population
- K:22 G.Y. Conan *et al.* Direct assessment of the harvestable biomass from a stock of *Nephrops norvegicus*, seasonal and spatial variations  
Ref. D
- ~~K:23~~ Withdrawn.
- K:24 V. Hernandez-Garcia Preliminary notes about feeding of three species of flying squids (Cephalopoda, Omnastrepidae) in Northwest Africa (CECAF area)
- K:25 M. Egerrup and M.-L.H. Laursen The importance of predation on an intertidal blue mussel (*Mytilus edulis* L.) bed in the Danish Wadden Sea
- ~~K:26~~ Withdrawn
- ~~K:27~~ Withdrawn.
- K:28 Th. Neudecker *et al.* Seasonality of egg-bearing shrimp, *Crangon crangon*, in coastal waters of the southern North Sea
- K:29 M. Wolff and H. Perez Population dynamics, food consumption and gross conversion efficiency of *Octopus mimus* Gould from Antofagasta (northern Chile)
- ~~K:30~~ M.N.L. Seaman Standardization of condition index in bivalves  
Ref. F
- ~~K:31~~ R.C.A. Bannister Shellfisheries management in England and Wales: current issues
- K:32 E.G. Dawe Predation by short-finned squid on Atlantic cod and other fish at Newfoundland, Canada  
Ref. G+H
- K:33 E.G. Dawe and P.C. Beck Population structure, growth, and sexual maturation of short-finned squid at Newfoundland, Canada, based on statolith analysis
- K:34 J.M. Hoenig *et al.* Leslie analyses of commercial snow crab: a comparative study of catchability coefficients  
Ref. D
- K:35 E.G. Dawe *et al.* Molt indicators and growth per molt for male snow crabs (*Chionoecetes opilio*)
- K:36 Xucai, Xu *et al.* Change-in-ratio and index removal methods for population assessment and their application to snow crab (*Chionoecetes opilio*)  
Ref. D
- K:37 A. Temming and B. Temming Economic overfishing and increase of fishing effort in the brown shrimp fishery in the North Sea
- K:38 Preliminary report of the Study Group on Cephalopod Biology, Kiel, 21-22 September 1992
- K:39 B. Berenboim *et al.* Results of Norwegian and Russian investigations of shrimp (*Pandalus borealis*) in the Barents Sea and Svalbard area in 1991
- K:40 R. Guerra *et al.* *Loligo vulgaris* and *Loligo forbesi* (Cephalopoda, Loliginidae): their present status in the Galician fisheries

- K:41 Withdrawn.
- K:42 K.J. Collins *et al.* Lobster (*Homarus gammarus*) behaviour and movement in Poole Bay, Dorset, UK
- K:43 E.K. Free *et al.* Lobster (*Homarus gammarus*) fecundity and maturity in England and Wales
- ✓ K:44 S.H. Mortensen The health status of commercially exploited native flat oysters (*Ostrea edulis*) in Norway
- K:45 R. Dijkema Spatfall and recruitment of mussels (*Mytilus edulis*) and cockles (*Cerastoderma edule*) on different locations along the European coast
- K:46 Withdrawn.
- K:47 J. Freire and E. Gonzales-Gurriaran Functional maturity in the velvet swimming crab *Necora puber*: a morphometric analysis
- K:48 R. Dijkema The risk of provoking toxic dinoflagellate blooms in the Dutch coastal waters through immersion of imported bivalves, originating from red tide areas
- Ref.E

#### REFERENCE PAPERS FOR THE SHELLFISH COMMITTEE

B:3, B:14, B:36, D:27, D:28, G:24, G:25, G:59, L:7, Assess:8

## L - BIOLOGICAL OCEANOGRAPHY COMMITTEE

- L:1 Report of Activities, 1991
- L:2 Publications of Interest to the Committee, 1991
- L:3 E. Gaard, B. Hansen and M. Poulsen Ecological studies of phytoplankton in a Faroese fjord  
Ref. C
- L:4 Report of the ICES Study Group on the Dynamics of Harmful Algal Blooms in Coastal Waters, Vigo, Spain, 7-9 April 1992  
Ref. C
- L:5 Report of the Study Group on Zooplankton Production, Bergen, 23-26 March 1992
- L:6 Report of the Working Group on Recruitment Processes, Fuengirola, Spain, 23-26 June 1992
- L:7 Report of the Inter-Committee Recruitment Group  
Ref. C, E, G, H, K
- L:8 Report of the Study Group on Seabird-Fish Interactions  
Ref. G+H
- L:9 Report of the Editor of the ICES Identification Leaflets for Plankton for 1992  
Ref. Pub
- L:10 R. Froese 1992 Progress Report on FISHBASE
- L:11 Report of the Benthos Ecology Working Group, Bergen, Norway, 4-8 May 1992
- L:12 H. Renk *et al.* Some factors regulating primary production in the southern Baltic over the period of the last decade  
Sess. U
- L:13 J. Warzocha and J. Gostkowska Macrofauna communities in the Gdansk Basin: spatial and temporal variability  
Sess. U
- L:14 A. Drgas Meiobenthos biomass fluctuations in the Gdansk Basin (southern Baltic) during one-year study cycle
- L:15 J.M. Bralewska Cyclic seasonal fluctuations of the phytoplankton biomass and composition in the Gulf of Gdansk Basin in 1987-1988
- L:16 L. Ulmestrand and O. Hagström Abundance and distribution of Euphausiids (krill) in Skagerrak and Kattegat in February 1984-1992
- L:17 T. Wyatt *et al.* Cod stock-recruitment problems, the modal tide, and the solar cycle
- L:18 E. Ona and T. Knutsen Detection and counting of individual free swimming krill using a 2 MHz scanning sonar  
Ref. B
- L:19 S. Schultz *et al.* A comparison of biological data from 1976-1991 - the influence of a mild winter?

L:20	S. Hernandez Leon <i>et al.</i>	Large scale and mesoscale patterns of metabolic activity of epipelagic phyto- and zooplankton in the northeastern central Atlantic at 21°N
L:21 Sess. V	L. Postel <i>et al.</i>	Zooplankton oxygen consumption and nutrient release in relation to species composition, animals' size and environmental conditions in the Baltic Sea during May 1990 and 1991
L:22 Poster	J. Aristegui <i>et al.</i>	Carbon, oxygen and nitrogen metabolism of microplankton during a spring bloom in the Baltic Sea
L:23 Poster	C. Almeida <i>et al.</i>	Measurement of Aspartate Transcarbamylase (ATC) as an index of zooplankton growth during May 1990 and May 1991 in the Baltic Sea
L:24 Poster	S. Hernandez- Leon <i>et al.</i>	Estimation of mesozooplankton egestion rate using a simple device for measuring accumulative fluorescence of faecal pellets
L:25	V. Christensen	Trophic interactions in the North Sea
L:26	E.D. Houde	Are marine and freshwater fish larvae different?
L:27		<u>Withdrawn.</u>
L:28 Sess. V	K. Richardson and A. Christoffersen	<i>Phaeocystis</i> blooms along the Danish west coast in 1991 and 1992
L:29	G. Shvetsova <i>et al.</i>	Distribution, abundance and annual production of <i>Mysis mixta</i> Lilljeborg in eastern and southeastern Baltic
L:30 Poster	V. Christensen and D. Pauly	ECOPATH II - A system for construction of steady-state models and network analysis
L:31 Sess. V	G. Liebeszeit	Neurotoxins in North Sea coastal waters - outline of planned research
L:32	J.H. Cowan Jr. <i>et al.</i>	Size-dependent vulnerability of marine fish larvae to predation: an individual-based numerical experiment
L:33	C. Clemmesen	The effect of food availability, age or size on the RNA/DNA ratio of laboratory-reared individually measured herring larvae
L:34 Sess. V	J.-P. Ducrotoy and B. Elkaim	Spatio-temporal changes in the distribution of macrobenthic communities in a megatidal estuary
L:35 Ref. H	D. Schnack	Comparative measurements of flow profile across the mouth opening of a Gulf III type sampler
L:36		Withdrawn
L:37	K. Thorisson	Is metamorphosis a critical stage in the early life of marine fishes?
L:38 Sess. V	K. Sherman	The changing states and health of a large marine ecosystem
L:39 Ref. H	I.V. Borkin	Results from an aerial survey for marine birds, done in August-September 1991, as a link in the trophic web of the Barents Sea ecosystem and interrelation between their distribution and distribution of pelagic fish



L:40	S.S. Drobysheva <i>et al.</i>	Dynamics of abundance of the Barents Sea euphausiids in the 1980s
L:41 Ref. F	C.A. Fernandez-Pato <i>et al.</i>	Larval survival: evaluation and statistical analysis for its determination in fish culture
L:42	J.M. Franco <i>et al.</i>	The toxin profile of <i>Alexandrium lusitanicum</i> from the Atlantic coast of the Iberian Peninsula

**REFERENCE PAPERS FOR THE BIOLOGICAL OCEANOGRAPHY COMMITTEE**

B:7, B:38, E:16, E:41, G:17, G:58, G:78, G:79, G:80, H:17, J:7, J:20, J:36, J:39, J:40, K:2, M:22, M:23, M:24, Poll:4, Poll:7

## M - ANADROMOUS AND CATADROMOUS FISH COMMITTEE

- M:1 Report of Activities, 1991
- M:2 List of publications related to the interests of the Anadromous and Catadromous Fish Committee, 1991
- M:3 Report of the Study Group on North American Salmon Fisheries, St. John's, Newfoundland, 17-21 February 1992
- M:4 Report of the Study Group on the Norwegian Sea and Faroes Salmon Fishery, Dublin, 28 February - 1 March 1992
- M:5 J. Jonasson Selection experiments in salmon ranching, variation in return rate and growth rate of different salmon stocks and families within stocks
- M:6 J. Jonasson Ocean mortality of ranched Atlantic salmon during the second year in the sea. Smolts released in 1988 and 1989
- M:7 J.O. Palsson and S.M. Einarsson The effect of starvation on early maturation in Arctic char (*Salvelinus alpinus* L.)
- M:8 Report of the Workshop on Salmon Assessment Methodology, Dublin, 2-4 March 1992
- M:9 ICES compilation of microtag, finclip and external tag releases in 1991.
- M:10 E. Ikonen and I. Kallio-Nyberg Timing of coastal return migration of wild and hatchery-reared salmon (*Salmo salar*) in the Gulf of Bothnia
- M:11 E. Jutila Report on the management, catches and smolt production of the salmon stock in the Simojoki River
- M:12 J. Lara Evolution of glass-eel catches (*Anguilla anguilla* L.) off Asturias (Cantabrian Sea, Northern Spain), 1952-1992
- M:13 E. Prévost *et al.* Essai d'utilisation du dimorphisme sexuel de la mâchoire supérieure pour déterminer le sexe de saumons (*Salmo salar*) capturés en milieu estuarien ou côtier
- M:14 A. Romakkaniemi The monitoring of the salmon parr production with electro-fishing in the River Tornionjoki, northern Finland - problems with a large river system and low parr densities
- M:15 S. Kuikka Coastal salmon trapnet fisheries in the Gulf of Bothnia
- M:16 Withdrawn.
- M:17 P. Alexandrino *et al.* Preliminary results on the genetic differentiation between the two species of shad (*Alosa alosa* L. and *A. fallax* Lacèpede) occurring in Portugal
- M:18 H. Lundqvist Return rates and biomass production of river released early mature Baltic salmon males: Where do we stand today?
- M:19 P. Magonski Fecundity and egg size in Baltic salmon

M:20 P. Mickwitz Could the use of individual transferable quotas make a difference for the Finnish salmon fishery?

M:21 Withdrawn.

M:22 E.S. Rutherford The influence of temperature on cohort-specific growth, survival, and recruitment of larval striped bass, *Morone saxatilis*, in Chesapeake, USA  
Ref. L and E.D. Houde

M:23 E.S. Rutherford Possible density-dependent survival of striped bass, *Morone saxatilis*, investigated by applying the Shepherd and Cushing (1980) model  
Ref. D+L

M:24 D.H. Secor and Larval mark-release experiments: potential for research on dynamics and recruitment in anadromous and marine fish stocks  
Ref. E.D. Houde  
G+H+L

M:25 S.J. de Groot and An overview of the status of the Atlantic salmon in Europe  
M.J. Heessen

M:26 O. Schaan Eel (*Anguilla anguilla* L. 1758) catches in two French estuaries: Loire and Vilaine rivers. Methodological approach: estimators and linked variances  
Ref. D

M:27 O. Schaan Demographic structures of eels (*Anguilla anguilla* L. 1758) in two French estuaries: Loire and Vilaine rivers. Selection of estimators and linked variances  
Ref. D

M:28 A. Mitans *et al.* Year-to-year variation in growth of Baltic salmon in the sea

M:29 E. Hahlbeck Eel fishery and eel catches in the coastal area of Mecklenburg-Vorpommern (German, Baltic Sea) and the actual distribution of the swimbladder nematode (*Anguillicola crassus*) in the European eel (*Anguilla anguilla*)  
Sess. O

M:30 I.C. Russell *et al.* Recoveries of coded wire microtags from salmon caught at West Greenland in 1991

M:31 J.A. Jacobsen *et al.* Occurrence of farmed salmon in the Norwegian Sea  
Ref. F

M:32 T.A. Bakke and Susceptibility of native Scottish stocks of Atlantic salmon, *Salmo salar* L., to *Gyrodactylus salaris* Malmberg  
Sess. O K. MacKenzie

## REFERENCE PAPERS FOR THE ANADROMOUS AND CATADROMOUS FISH COMMITTEE

D:5, F:10, F:11, Assess:10, Assess:15

## N - MARINE MAMMALS COMMITTEE

- N:1 Report of Activities, 1991
- N:2 Publications of interest to the Marine Mammals Committee, 1991
- N:3 Report of the Study Group on Pilot Whales, Montreal, 3-4 December 1991
- N:4 ICES Study Group on Seals and Small Cetaceans in Northern European Seas, Cromarty, Scotland, 2-5 March 1992
- N:5 K.T. Nilssen *et al.* Preliminary data on feeding and condition of Barents Sea harp seals (*Phoca groenlandica*) throughout the year
- N:6 C.R. Joiris *et al.* Do older cetaceans die from mercury contamination?
- Ref. E
- N:7 P.J.H. Reijnders *et al.* Recolonization of the Dutch Wadden Sea by the grey seal, *Halichoerus grypus*
- N:8 ✓ T. Haug *et al.* ✓ A research proposal to evaluate the ecological importance of minke whales *Balaenoptera acutorostrata* in the Northeast Atlantic
- Ref. G+H
- N:9 O. Cendrero and G. Garcia-Castrillo Variations des échouages de mammifères marins du nord de l'Espagne entre 1981 et 1990
- N:10 N. Øien and T. Øritsland ✓ Using mark-recapture methods to estimate pup production of harp seals (*Phoca groenlandica*) in the Greenland Sea
- Ref. D
- N:11 T. Similä and I. Christensen ✓ Seasonal distribution and abundance of killer whales around Lofoten and Vesterålen Islands, northern Norway
- N:12 G.T. Waring *et al.* Cetaceans associated with Gulf Stream features off the northeastern USA shelf
- Ref. C
- N:13 G. G-Castrillo Riesgo *et al.* The marine mammals in the north of Spain in 1991
- N:14 G. G-Castrillo Riesgo and P. Güemes C. The marine mammals sighted during "Cetacea-91"
- N:15 P.M. Thompson *et al.* Seasonal and between-year differences in harbour seal *Phoca vitulina* and foraging activity
- N:16 S. Lens and A. Lopez Marine mammals stranded on the Galician coast (NW Spain) in 1991
- Poster
- N:17 M. Klinowska *et al.* Progress in the development of efficient warning devices to prevent the entrapment of cetaceans (dolphins, porpoises and whales) in fishing nets
- Ref. B
- N:18 O. Stenman La chasse aux phoques gris ainsi que l'abondance et la protection de l'espèce en Finlande au cours des années 1970 et 1980
- N:19 M. Olsen and A. Bjørge Diet of harbour seal, *Phoca vitulina*, in the Hvaler area in 1990-1991, compared to the abundance of fish in the area

- N:20  
Sess. O      T. Jensen and K. Andersen      The importance of sculpin (*Myoxocephalus scorpius*) as intermediate host and transmitter of the seal worm in two areas from the Norwegian coast
- N:21      D. Bloch and L. Lastein      Biometrical segregation of long-finned pilot whales off eastern and western North Atlantic
- N:22  
Ref. G  
Poster      S. des Clers *et al.*      Interactions between common seals and local fish populations in the Hvaler area, Oslofjord
- N:23  
Ref. H      T. Smith and J.G. Casey.      The distribution and ecological role of large marine predators in the north temperate Atlantic. A proposal for coordinated study
- N:24      J. Sigurjónsson and G.A. Vikingson      Investigations on the ecological role of cetaceans in Icelandic and adjacent waters

**REFERENCE PAPERS FOR THE MARINE MAMMALS COMMITTEE**

G:56, Assess:5

**MINI-SYMPOSIUM ON ECOSYSTEM MODELLING AS A TOOL TO PREDICT  
POLLUTION-ASSOCIATED RISKS FOR THE MARINE ENVIRONMENT**



Mini:1	C. Lindblad and U. Kautsky	Modelling disturbance in Baltic shallow ecosystems
Mini:2		Withdrawn.
Mini:3	M. Scholten and H. Schobben	Probabilistic methods for ecological risk assessment
Mini:4	W. Silvert	Many risks, many models: addressing the variety of problems that pollution can cause
Mini:5	J.W. Everts <i>et al.</i>	Assessing the risk of biomagnification: a physiological approach
Mini:6	J.H.M. Schobben	Risk-analysis for the marine environment in the Netherlands
Mini:7	A. Ross <i>et al.</i>	Ecosystem models of Scottish sea lochs for assessing the impact of nutrient enrichment
Mini:8	M.B. de Vries	Foodweb analysis and bio-accumulation modelling in Dutch freshwater lakes
Mini:9	M. Reed <i>et al.</i>	Modelling economic damages to natural resources from spills of oil or other hazardous chemicals
Mini:10	U. Hommen <i>et al.</i>	Simulation models to predict ecological risk of toxicants in freshwater systems

## PAPERS AND POSTERS FOR THEME SESSIONS

### Diseases and Parasites in Wild Fish (O)

Convener: Dr V. Dethlefsen

E:9, E:10, E:11, E:27, E:28, E:35, F:2, F:7, F:9, F:14, H:27, J:43, M:29, M:32, N:20, Poll:3

### Fish Growth (P)

Convener: Mr T. Jakobsen

G:3, G:5, G:7, G:23, G:39, H:34, J:4, J:21, J:24, J:29, J:42

### Poster Session: Technical Measures for Fishery Management: The Science Behind the Rules (Q)

Convener: Mr D.N. MacLennan

B:31, B:32, B:40, B:41

### Form of ACFM Advice (ACFM Session) (R)

Convener: Mr A. Maucorps

Assess:20

### ICES Strategy for Environmental Work (ACMP Session) (S)

Convener: Mr D. de G. Griffith

Poll:8

### Interdisciplinary Advances (ACMP/ACFM Joint Session) (T)

Convener: Mr D. de G. Griffith

G:11, G:75, J:11

### Long-Term Changes and Monitoring in the Baltic Sea (U)

Convener: Dr Z.S. Karnicki

C:9, C:33, E:2, E:3, E:4, E:17, E:38, E:40, E:44, J:14, (J:29)<sup>1</sup>, (J:42)<sup>1</sup>, J:44, L:12, L:13

### Environmental Factors and Ecological Changes (V)

Convener: Dr K. Richardson

C:1, E:26, E:42, E:43, H:16, L:21, L:28, L:31, L:34, L:38, Poll:2, Poll:4, Poll:6, Poll:7, Poll:9

<sup>1</sup>Brief presentation only; main presentation in Theme Session P.

## ACFM - ADVISORY COMMITTEE ON FISHERY MANAGEMENT

ACFM:1\*                      Agenda, ACFM Consultations at the 1992 Statutory Meeting

### ASSESSMENT WORKING GROUP REPORTS - 1992

- Assess:1                      Report of the Irish Sea and Bristol Channel Working Group, Copenhagen, 3-12 September 1991
- Assess:2                      Report of the Arctic Fisheries Working Group, Copenhagen, 10-19 September 1991
- Assess:3                      Report of the Blue Whiting Assessment Working Group, Bergen, Norway, 11-17 September 1991
- Assess:4                      Report of the Roundfish Working Group, IJmuiden, Netherlands, 8-18 October 1991
- Assess:5  
Ref. N                      Report of the Joint ICES/NAFO Working Group on Harp and Hooded Seals, Copenhagen, 14-18 October 1991
- Assess:6                      Report of the North Sea Flatfish Working Group, Copenhagen, 17-23 October 1991
- Assess:7                      Report of the Working Group on Multispecies Assessment of Baltic Fish, Riga, Latvia, 30 January - 6 February 1992
- Assess:8  
Ref. K                      Report of the Working Group on *Nephrops* and *Pandalus* Stocks, Aberdeen, 26 February - 5 March 1992
- Assess:9                      Report of the Industrial Fisheries Working Group, Copenhagen, 18-25 March 1992
- Assess:10  
Ref. M                      Report of the Baltic Salmon and Trout Assessment Working Group, Copenhagen, 24-31 March 1992
- Assess:11                      Report of the Herring Assessment Working Group for the Area South of 62°N, Copenhagen, 31 March - 10 April 1992
- Assess:12                      Report of the Working Group on the Assessment of Demersal Stocks in the Baltic, Copenhagen, 21-29 April 1992
- Assess:13                      Report of the Working Group on the Assessment of Pelagic Stocks in the Baltic, Copenhagen, 21-29 April 1992
- Assess:14                      Report of the North-Western Working Group, Copenhagen, Copenhagen, 4-12 May 1992
- Assess:15  
Ref. M                      Report of the Working Group on North Atlantic Salmon, Dublin, Ireland, 5-12 March 1992
- Assess:16  
Ref. G                      Report of the Multispecies Assessment Working Group, Copenhagen, 16-25 June 1992



Assess:17

Report of the Working Group on the Assessment of Mackerel, Horse Mackerel, Sardine, and Anchovy, Copenhagen, 23-30 June 1992

~~Assess:18~~

Withdrawn.

~~Assess:19~~

Withdrawn.

Assess:20

Development of the basis and form of ICES fisheries management advice: historical background (1976-1990) and the new form of ACFM advice (1991-?), by F. Serchuk and R. Grainger

## ACMP - ADVISORY COMMITTEE ON MARINE POLLUTION

ACMP:1\* Agenda for the Advisory Committee on Marine Pollution - Consultation Meeting, 23 September 1992

### POLL - POLLUTION-RELATED WORKING GROUP REPORTS

- Poll:1 Report of the Working Group on Statistical Aspects of Trend Monitoring, Halifax,  
Ref. D+E 31 March-3 April 1992
- Poll:2 Report of the Marine Chemistry Working Group, Tenerife, Canary Islands, Spain,  
Ref. C 9-14 March 1992  
Sess. V
- Poll:3 Report of the Working Group on Introductions and Transfers of Marine Organ-  
Ref. F isms, Lisbon, 14-17 April 1992  
Sess. O
- Poll:4 Report of the Working Group on Phytoplankton and Management of Their Effects,  
Ref. L Centre de Recherche en Ecologie Marine et Aquaculture de l' Houmeau, France,  
Sess.V 27-29 April 1992
- Poll:5 Report of the Working Group on Biological Effects of Contaminants, Copenhagen,  
Ref. E 4-8 May 1992
- Poll:6 Report of the Working Group on Marine Sediments in Relation to Pollution,  
Sess. V Copenhagen, 4-9 May 1992
- Poll:7 Report of the Study Group on the Biological Significance of Contaminants in  
Ref. L Marine Sediments, Copenhagen, 11-14 May 1992  
Sess.V
- Poll:8 Enhancing the Interdisciplinary Role of ICES: Strategic Considerations  
Sess. S
- Poll:9 Report of the Working Group on Environmental Assessment and Monitoring  
Sess.V Strategies, Halifax, Canada, 4-8 November 1991





**DOCUMENTS NOT RECEIVED OR WITHDRAWN FROM CM 1992**

**B - Fish Capture Committee**

Not Received: B:33, 38  
Withdrawn: B:15, 16, 23, 26, 27  
Posters: B:31, 32, 40, 41

**C - Hydrography Committee**

Not Received: C:8, 14, 29  
Withdrawn: C:7, 11, 22

**D - Statistics Committee**

Not Received: D:4, 7, 8  
Withdrawn: D:11, 14

**E - Marine Environmental Quality Committee**

Not Received: E:1, 2, 5, 6, 26  
Withdrawn: E:8, 25  
Posters: E:47

**F - Mariculture Committee**

Not Received: F:9

**G - Demersal Fish Committee**

Not Received: G:20, 21, 39, 46, 48, 55, 56, 63, 76  
Withdrawn: G:27, 30, 31, 33, 34, 38, 41, 44, 47, 69, 72

**H - Pelagic Fish Committee**

Not Received: H: 2, 29, 31  
Withdrawn: H:19, 22, 24, 25, 28, 33, 36  
Posters: H:15, 23, 37, 38

**J - Baltic Fish Committee**

Not Received: J:4, 9, 14, 20, 30, 31, 36  
Withdrawn: J:6, 13, 33, 34

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**K - Shellfish Committee**

Not Received: K:3, 18, 30

Withdrawn: K:4, 12, 13, 19, 23, 26, 27, 31, 46

**L - Biological Oceanography Committee**

Not Received: L:2, 13

Withdrawn: L:27, 36

Posters: L:22, 23, 24, 30

**M - ANACAT Committee**

Not Received: M:10, 16, 21

Withdrawn: M:16, 21

**N - Marine Mammals Committee**

Posters: N:16, 22

**Assessment Working Group Reports**

Withdrawn: Assess:18, 19



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