



**COUNCIL MEETING 1992**

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

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1. *How do you define a good leader? Give an example of a leader you admire.*  
2. *What are the most common challenges faced by leaders in the workplace?*

3. *How can a leader effectively manage a team of diverse individuals?*  
4. *What role does communication play in leadership success?*

5. *Discuss the importance of emotional intelligence in leadership.*

6. *How can a leader foster a culture of innovation and creativity within their organization?*  
7. *What are the key factors that contribute to a leader's effectiveness?*

8. *Describe the characteristics of a transformational leader.*

9. *How can a leader handle conflict and negotiation in the workplace?*

10. *Discuss the impact of a leader's actions on the morale and productivity of their team.*

11. *What are the ethical considerations for a leader in the modern business world?*

12. *How can a leader inspire and motivate their team to achieve their goals?*

13. *Discuss the role of a leader in shaping the organizational vision and mission.*

14. *How can a leader effectively manage change and uncertainty within their organization?*

15. *What are the key skills and qualities that a successful leader should possess?*

16. *Discuss the importance of self-awareness and self-reflection for a leader.*

17. *How can a leader build trust and credibility with their team and stakeholders?*

18. *Describe the impact of a leader's behavior on the organizational culture.*

19. *What are the common pitfalls and mistakes that leaders should avoid?*

20. *How can a leader effectively manage and develop their own team members?*

21. *Discuss the role of a leader in promoting diversity and inclusion in the workplace.*

22. *How can a leader effectively manage and resolve interpersonal conflicts?*

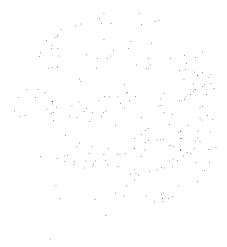
23. *What are the key factors that influence a leader's decision-making process?*

24. *Discuss the importance of active listening and empathy in leadership.*

*Write a short essay on the role of a leader in the 21st-century organization.*

### Assignment Questions

1. *Define leadership and explain its importance in an organization.*  
2. *List and describe the five main leadership styles.*



## **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  
+ Addendum  
Ref. A
- Del:11\*           Memorandum of Understanding between HELCOM and ICES
- Del:12\*           The Future of ACMP: its Role and Composition  
Ref. A
- 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  
Ref. A

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\*For Delegates only.  
(E+F) in English and French.

## **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**

E:48, F:17, L:9

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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 Withdrawn.
- B:24 S. Ehrich Do different towing distances influence the variance of catch data if the towing time is constant?
- B:25 K. Lange An extended logistic curve for asymmetric distributions of retention rates in selection experiments  
Ref. D
- B:26 Withdrawn.
- B:27 E. Jónsson Scale damage and survival of haddock escaping through cod-end meshes
- B:28 R.B. Millar Analysis of trawl selectivity studies: implementation in SAS  
Ref. D
- B:29 J.A. Jacobsen *et al.* Survival of saithe (*Pollachius virens* L.) escaping through trawl meshes  
Ref. G
- B:30 G.I. Sangster The survival of fish escaping from fishing gears
- B:31 J.H.B. Robertson Using the twin trawl to measure cod-end selectivity  
Sess. Q  
Poster
- B:32 J. Main and G.I. Sangster A new design of cod-end cover for mesh selection experiment  
Sess. Q  
Poster
- 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 M. Larsvik and L. Ulmestrand Square and diamond mesh trawl codend selection on *Nephrops norvegicus* (L.) analyzed with the curve-fit method isotonic regression  
Ref. D+K
- B:37 D. de Haan The underwater sound emissions of research vessels and the beam trawler TX 48
- B:38 T. Knutsen and E. Ona Target strength measurements of the free swimming euphausiid *Meganycitiphanes norvegica* (M. Sars) at 120 kHz  
Ref. L
- B:39 Report from FTFB Subgroup: Evaluation of sources of variability in fishing power of the GOV trawl  
Ref. G+H
- B:40 C.W. Glass *et al.* Investigation of the principles of fish behaviour underlying mesh selection  
Sess. Q  
Poster
- B:41 S. Olsen and C.S. Wardle Fish behaviour in relation to fish capture - important issues arising from the Bergen Symposium, June 1992  
Sess. Q  
Poster



**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**

## C - HYDROGRAPHY COMMITTEE

- |                |                                   |   |
|----------------|-----------------------------------|---|
| C:1<br>Sess. V |                                   | Report of the Meeting of the ICES Study Group on SKAGEX, Gdynia, Poland, 4-8 November 1991                              |
| C:2            | E. Buch <i>et al.</i>             | 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<br>Ref. D  |                                   | Report of the Working Group on Marine Data Management, Torshavn, Faroe Islands, 22-24 April 1992                        |
| C:6            | G. Becker <i>et al.</i>           | Recent high salinity in the English Channel/southern North Sea  |
| C:7            |                                   | Withdrawn.  |
| C:8            | J. Fischer <i>et al.</i>          | Observations related to deep convection in the central Greenland Sea  |
| C:9<br>Sess. U | T. Wojewodzki and<br>A. Grelowski | Long-term changes of temperature, salinity and oxygen in the Gdansk Deep  |
| C:10           | S. Jónsson and<br>A. Foldvik      | The transport and circulation in Fram Strait  |
| 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 <i>et al.</i>      | 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 <i>et al.</i>        | Hydrographic observations at the continental shelf edge northwest of Scotland   |
| C:20           | D.J. Ellett and<br>W.J. Turrell   | Increased salinity levels in the NE Atlantic  |
| 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   |

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|-----------------|---------------------------|---|
| C:24            | O.V. Titov <i>et al.</i>  | 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. Dobberpuhl             | 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<br>Sess. U | J. Heilmann               | The date of organically fixed nutrients off the Danish west coast - 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<br>Ref. M     | S. Kuikka and<br>O. Varis       | Use of Bayesian influence diagrams in fisheries management: application to Baltic salmon management  |
| D:6<br>Ref. G+H+J |                                 | Report of the Workshop on the Analysis of Trawl Survey Data, Woods Hole, MA, USA, 4-9 June 1992  |
| D:7               | E. Ona <i>et al.</i>            | Design of combined acoustic and trawl surveys  |
| D:8               | M. Pennington <i>et al.</i>     | The effect of trawl survey variability on VPA estimates of abundance   |
| D:9               | O. Godø and<br>M. Pennington    | The effect of changes in catchability on the variance of marine survey abundance indices   |
| D:10<br>Ref. B+H  | K.G. Foote and<br>J. Rivoirard  | Geostatistical analysis of acoustic survey data on 0-group herring in a fjord  |
| D:11              |                                 | Withdrawn.   |
| D:12              | J. Rivoirard                    | Comments on the course on Geostatistics for Fish Survey Data (Fontainebleau, 3-7 February 1992)  |
| D:13<br>Ref. G    | J.M. Grástein and<br>B. Hansen  | Is dice-throwing really the best way to design a groundfish survey?  |
| D:14              |                                 | Withdrawn.   |
| D:15<br>Ref. J    | I. Bundgaard and<br>H. Sparholt | Seasonalized age/length keys with variable hatching time for herring and sprat in the Baltic   |
| D:16<br>Ref. J    | I. Bundgaard and<br>H. Sparholt | Length-based multi-species model for estimation of predation mortalities of herring and sprat in the Baltic  |
| D:17              | P. Lewy <i>et al.</i>           | 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<br>S. Ehrich      | The importance of catch frequency distributions for the interpretation of catch data and the fit by the very adaptable and realistic $\beta$ -distribution |
| D:19              | L.N. Zavjyalov <i>et al.</i>    | Automatic ichthyologic complex   |
| D:20<br>Ref. G    | J.W. Horwood                    | A comparison of assessment methods: VIIIf and g sole   |

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

#### 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 R. Tamsalu *et al.* Long-term forecasting of the nutrients level in the Gulf of  
Sess. U Finland
- E:3 Report of the Steering Group for the Coordination of the Base-  
Sess. U line Study of Contaminants in Baltic Sea Sediments, Lysekil,  
Sweden, 16-17 March 1992
- E:4 Report of the Working Group on the Baltic Marine Environment,  
Sess. U Lysekil, Sweden, 18-20 March 1992
- E:5 Report of the *ad hoc* 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 *ad hoc* 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 Withdrawn.
- E:9 A.D. Vethaak *et al.* Notes on sampling design, statistical analysis and interpretation  
Sess. O of fish disease prevalence data submitted to ICES
- E:10 A.D. Vethaak An epidemiological study on diseases in flounder (*Platichthys*  
Sess. O *flesus*) in Dutch coastal waters with special reference to  
environmental stress factors
- E:11 A.D. Vethaak Large scale mesocosm study of the effects of marine pollution on  
Sess. O the health status of fish: general methods and *interim* report on  
epidemiology
- E:12 L.D. Peters *et al.* Toxicity studies, 7-ethoxyresorufin O-deethylase (EROD) and  
antioxydant enzymes in early life stages of turbot (*Scophthalmus*  
*maximus* L.) and sprat (*Sprattus sprattus* L.)
- E:13 R.K. Pipe *et al.* The development of immunocompetence assays in mussels for  
use with a microtiter plate reader
- E:14 A. Pulsford *et al.* Effects of environmental stress on dab *Limanda limanda* immune  
system
- E:15 R.F. Addison Biochemical indices of marine pollution: a review of recent field  
studies
- E:16 P.H. Becker Seabirds as monitors of chemicals in the marine environment  
Ref. L
- E:17 G. Weichart Oxygen in the western Baltic Sea: a trend analysis  
Sess. U

- 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 D. Nehring Research in connection with the scientific interpretation of  
Sess. U 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 S. Carlberg *et al.* Swedish marine environmental monitoring - today and tomorrow  
Sess. U
- E:41 A. Rieckhoff and Reactions of fish larvae to water of the Elbe river at Hamburg  
Ref. L W. Nellen harbour
- E:42 I. Kröncke The ecology of the Dogger Bank: the actual state of knowledge  
Sess. V
- E:43 C. Pohl Correlation between cadmium concentrations in seawater and  
Sess. V zooplankton organisms (Copepoda) of the Arctic and Atlantic  
ocean
- E:44 L. Brüggemann Research and monitoring of contaminants in the Baltic Sea - two  
Sess. U sides of one medal?
- E:45 M. Harich *et al.* 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 E.-L. Poutanen *et* Development of a geographic information system for the Baltic  
Poster *al.* drainage area
- E:48 Report of the Editor of the Techniques in Marine Environmental  
Ref. Pub 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<br>Sess. O   |                                     | Report of the Working Group on Pathology and Diseases of Marine 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 <i>et al.</i>               | Illumination in first feeding tanks for marine fish larvae  |
| F:7<br>Sess. O   | T. Lang                             | Results of macroscopical examination of the occurrence of <i>Ichthyophonus</i> spp. in herring ( <i>Clupea harengus</i> ) of the Baltic and North Sea |
| F:8              | I. Garcia de la Banda <i>et al.</i> | Improvement of turbot larval development by lactic bacterial addition   |
| F:9<br>Sess. O   | K. Korsbrekke <i>et al.</i>         | Macroscopic organ manifestations and reduced condition factor in herring with <i>I. hoferi</i> disease: field studies and analysis of historical data |
| F:10<br>Ref. M   | G.V. Grigorjev and S.A. Oganessian  | On the relative number of Atlantic salmon males maturing under different rearing conditions   |
| F:11<br>Ref. M   | A.L.S. Munro and D. Smail           | Controlling the spread of IPN virus in Scottish salmon farms  |
| F:12<br>Ref. J   | J. Pickova and P.-O. Larsson        | Rearing experiments with cod. Comparisons between Baltic cod and Skagerrak coastal cod  |
| F:13             | B. Bjönsson                         | The effects of stocking density on growth rate of young halibut ( <i>Hippoglossus hippoglossus</i> L.) reared in large circular tanks for 3 years     |
| F:14<br>Sess. O  |                                     | Report of the Working Group on Environmental Impacts of Mariculture, Kiel 22-24 April 1992  |
| F:15             | M. Gillespie <i>et al.</i>          | 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<br>Ref. Pub |                                     | Report of the Editor of the ICES Identification Leaflets for Diseases 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 al.* Growth is a many splendid thing: analyses in witch flounder  
Sess. P (*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
- 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 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 Sess. P H. Marques da Silva Growth of juvenile spiny dogfish (*Squalus acanthias*) in the NW Atlantic, with particular reference to the effect of density-dependence
- G:24 Ref. K S.A. Pedersen and F. Riget Feeding habits of redfish, *Sebastes* sp., in West Greenland waters with special emphasis on predation on shrimp
- G:25 Ref. K F. Riget and S.A. Pedersen 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 Ref. F Å. Bjordal and A.B. Skar 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 Ref. D J.M. Grástein Analysis of the Faroese groundfish surveys 1983-1991
- G:38 Withdrawn.
- G:39 Sess. P J.C. Holm *et al.* Growth rate differences between sexes - a possible indicator of food availability in wild cod (*Gadus morhua*)

- G:40 H. Dupouy and B. Kergoat La pêche 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

- G:61 Ref. D A. Temming and N. Andersen Fitting of stomach evacuation models, which are applicable for estimation of food consumption, to data from the international gastric evacuation experimental data base
- G:62 A. Jarre-Teichmann MAXIMS - a computer program for estimating the food consumption 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 Ref. F K.E. Jørstad and G. Nævdal Genetic studies on released and recaptured cod in a fjord system
- G:66 Ref. F K.E. Jørstad and G. Nævdal Studies on associations between genotypes and growth rate of 0-group cod
- G:67 Ref. H S.T. Forbes and P.A. Kunzlik Multispecies forecasts for North Sea fish stocks - a presentation of 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 Ref. J J. Dorman *et al.* Food and feeding of cod in the Skagerrak and the Kattegat in 1991
- G:71 Ref. D G. Stefánsson Notes on the stock-dynamics and assessments of the Icelandic cod
- G:72 Withdrawn.
- G:73 S. Fifas and Mtimet Protocol d'échantillonnage et analyse stochastique de pseudo-cohorte du 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 Sess. T R.J.H. Beverton Rational harvesting and the conservation ethic
- G:76 Publications of interest to the Demersal Fish Committee. 1991
- G:77 E. Fahy and P. Gleeson Aspects of the exploitation of the Northern hake *Merluccius merluccius* stock by fleets based in the Irish Republic
- G:78 Ref. L P. Solemdal *et al.* The effects of maternal status of Arcto-Norwegian cod on egg quality and vitality of early larvae. I. The collection and the characteristics of the cod females
- G:79 Ref. L P. Solemdal *et al.* The effects of maternal status of Arcto-Norwegian cod on egg quality 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
H:2		Publications of interest to the Pelagic Fish Committee, 1991
H:3		Report of the International Bottom Trawl Survey Working Group, Copenhagen, 13-17 January 1991
Ref. G		
H:3/Addendum		Manual for International Bottom Trawl Surveys. Revision IV
H:4		Report of the Study Group on Stock Identity of Mackerel and Horse Mackerel, Vigo, 22-24 January 1992
H:5		Report of the Workshop on Methods of Forecasting Herring Catches in Division IIIa and the North Sea, Lysekil, Sweden, 10-13 March 1992
Ref. J		
H:6	T. Monstad <i>et al.</i>	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. Trella	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
H:14	J.Chr. Holst	Cannibalism as a factor regulating year class strength in the Norwegian spring-spawning herring stock
H:15	O.A. Bergstad <i>et al.</i>	Acoustic survey of deep-water fish ( <i>Coryphaenoides rupestris</i> , <i>Argentina silus</i> ) of the Skagerrak
Ref. B		
Poster		
H:16	A. Dommasnes <i>et al.</i>	Reduced oxygen concentrations in herring wintering areas
Sess. V		
H:17	S. Dorsey and E.D. Houde	Daily variability in mortality of bay anchovy, <i>Anchoa mitchilli</i> , eggs in Chesapeake Bay
Ref. L		
H:18	I. Røttingen	Recent migration routes of Norwegian spring-spawning herring
H:19		Withdrawn

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		Withdrawn.
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		Withdrawn
H:25		Withdrawn
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		Withdrawn.
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		Withdrawn.
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		Withdrawn.
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<br>Sess. P  | E. Aro <i>et al.</i>              | Changes in the growth rate of Baltic herring. Why some specimens are starving in the northern Baltic   |
| J:5<br>Ref. C   | 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 |
| J:6             |                                   | Withdrawn.   |
| J:7<br>Ref. L   | F. Arrhenius and<br>S. Hansson    | Food consumption of herring and sprat in the Baltic Sea  |
| 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<br>Sess. T |                                   | Report of the Steering Group on Fisheries/Environmental Management Objectives and Supporting Research Programmes in the Baltic Sea, Copenhagen, 1-2 June 1992                          |
| J:12            |                                   | Report of the Workshop on Baltic Sprat Age Determination, Tallinn, 31 August - 4 September 1992  |
| J:13            |                                   | Withdrawn.   |
| J:14<br>Sess. U | J. Netzel                         | Polish investigations on juvenile cod in the Gulf of Gdansk 1962-1992  |
| J:15            | J. Kuczynski and<br>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<br>A. Mackiewicz | Feeding of cod and herring in the southern Baltic in 1991  |
| J:18            | M. Kosior and J.<br>Skolski       | Effect of variability in the sex ratio of cod on the population's reproductive potential estimates   |
| J:19            | A. Orlowski                       | 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. Davidiyuk <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		Withdrawn.
J:34		Withdrawn.
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

J:41 Ref. G+H	F.W. Köster	Predation by herring and sprat on cod eggs and larvae in the Bornholm Basin - preliminary results
J:42 Sess. P+U	R. Parmanne	Changes in the growth of herring in the northern Baltic Sea
J:43 Sess. O	A. Turovsky <i>et al.</i>	The parasitic infestation and growth of clupeoids in the North-Eastern Baltic
J:44 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       |                                    | Report of the Study Group on Squid Biology, Nantes, 23-24 September 1991   |
| Ref.C+H+L |                                    |  |
| K:3       | E.M. Nilssen and<br>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       |                                    | Withdrawn.   |
| 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      |                                    | Report of the Study Group on Pollution Affecting Shellfish in Aquaculture and Natural Populations, Nantes, France, 1-3 July 1992   |
| Ref. E+F  |                                    |  |
| 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      |                                    | Withdrawn.   |
| K:13      |                                    | Withdrawn  |
| 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<br>K. Tande       | Temperature-dependent growth and mortality rates in larvae of the deep water prawn, <i>Pandalus borealis</i> , under laboratory conditions   |
| K:18      | F. Riget and K.<br>Nygaard         | A comparison between catches in shrimp trawls rigged with bobbins and rockhopper ground gear   |
| Ref. B    |                                    |  |
| K:19      |                                    | Withdrawn.   |
| 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 <i>et al.</i>	Lobster ( <i>Homarus gammarus</i> ) behaviour and movement in Poole Bay, Dorset, UK
K:43	E.K. Free <i>et al.</i>	Lobster ( <i>Homarus gammarus</i> ) fecundity and maturity in England and Wales
K:44	S.H. Mortensen	The health status of commercially exploited native flat oysters ( <i>Ostrea edulis</i> ) in Norway
K:45	R. Dijkema	Spatfall and recruitment of mussels ( <i>Mytilus edulis</i> ) and cockles ( <i>Cerastoderma edule</i> ) 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 <i>Necora puber</i> : a morphometric analysis
K:48 Ref.E	R. Dijkema	The risk of provoking toxic dinoflagellate blooms in the Dutch coastal waters through immersion of imported bivalves, originating from red tide areas

#### 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		Withdrawn.
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>Mysys 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 Ref. L	E.S. Rutherford and E.D. Houde	The influence of temperature on cohort-specific growth, survival, and recruitment of larval striped bass, <i>Morone saxatilis</i> , in Chesapeake, USA
M:23 Ref. D+L	E.S. Rutherford	Possible density-dependent survival of striped bass, <i>Morone saxatilis</i> , investigated by applying the Shepherd and Cushing (1980) model
M:24 Ref. G+H+L	D.H. Secor and E.D. Houde	Larval mark-release experiments: potential for research on dynamics and recruitment in anadromous and marine fish stocks
M:25	S.J. de Groot and M.J. Heessen	An overview of the status of the Atlantic salmon in Europe
M:26 Ref. D	O. Schaan	Eel ( <i>Anguilla anguilla</i> L. 1758) catches in two French estuaries: Loire and Vilaine rivers. Methodological approach: estimators and linked variances
M:27 Ref. D	O. Schaan	Demographic structures of eels ( <i>Anguilla anguilla</i> L. 1758) in two French estuaries: Loire and Vilaine rivers. Selection of estimators and linked variances
M:28	A. Mitans <i>et al.</i>	Year-to-year variation in growth of Baltic salmon in the sea
M:29 Sess. O	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 ( <i>Anguillicola crassus</i> ) in the European eel ( <i>Anguilla anguilla</i> )
M:30	I.C. Russell <i>et al.</i>	Recoveries of coded wire microtags from salmon caught at West Greenland in 1991
M:31 Ref. F	J.A. Jacobsen <i>et al.</i>	Occurrence of farmed salmon in the Norwegian Sea
M:32 Sess. O	T.A. Bakke and K. MacKenzie	Susceptibility of native Scottish stocks of Atlantic salmon, <i>Salmo salar</i> L., to <i>Gyrodactylus salaris</i> Malmberg

#### 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<br>Sess. O          | T. Jensen and K. Andersen          | The importance of sculpin ( <i>Myoxocephalus scorpius</i> ) 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<br>Ref. G<br>Poster | S. des Clers <i>et al.</i>         | Interactions between common seals and local fish populations in the Hvaler area, Oslofjord  |
| N:23<br>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 (O)**

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