



Dl.a/88

*Fiskeridirektoratet
Biblioteket*

November 1988

Dear Sir/Ms,

We wish to draw your attention to the following 1988 Council Meeting (CM) papers which were never received or withdrawn, and as a result not included in our mailings. Also this year poster abstracts are not included in so much as those who presented poster abstracts were not required to submit them as part of our CM paper collection. They will be included in our volume of abstracts provided we have received them.*

Fish Capture Cttee: B:7, B:12, B:37, B:40, B:41, B:42, B:55.

Hydrography Cttee: C:14, C:15, C:26, C:27 C:33, C:36, C:37, C:40.

Statistics Cttee: D:5, D:7, D:8, D:9, D:10, D:16.

MEQC: E:17, E:30, E:32.

Mariculture Cttee: F:5, F:6, F:12, F:23, F:24, F: 27-31, F:40.

Demersal Fish Cttee: G:10, G:20, G:22, G:25, G:40, G:46, G:47,
G:49, G:57.

Pelagic Fish Cttee: H:13, H:24, H:38, H:39, H:49, H:50, H:65,
H:68.

Baltic Fish Cttee: J:3, J:16, J:17 J:18, J:22, J:28, J:29, J:32.

Shellfish Cttee: K:19, K:25, K:26, K:27, K:30 K:31, K:36.

BOC: L:10, L:16, L:20, L:24, L:25.

Anacat Cttee: M:6, M:15, M:16, M:22, M:26.

Marine Mammals: N:7, N:13, N:15.

Mini-Symposium: N:7, N:8.

*Poster Abstracts: B:48, C:30, C:35, C:39, C:41, C:42, C:45,
C:46 E:8,dE:11, E:14, E:33, E:34, F:42, G:3,
G:4, G:6 G:8, G:15, G:55, G:56, G:59, G:66,
G:68, H:51-H:60, H:72, J:23, L:8, L:29

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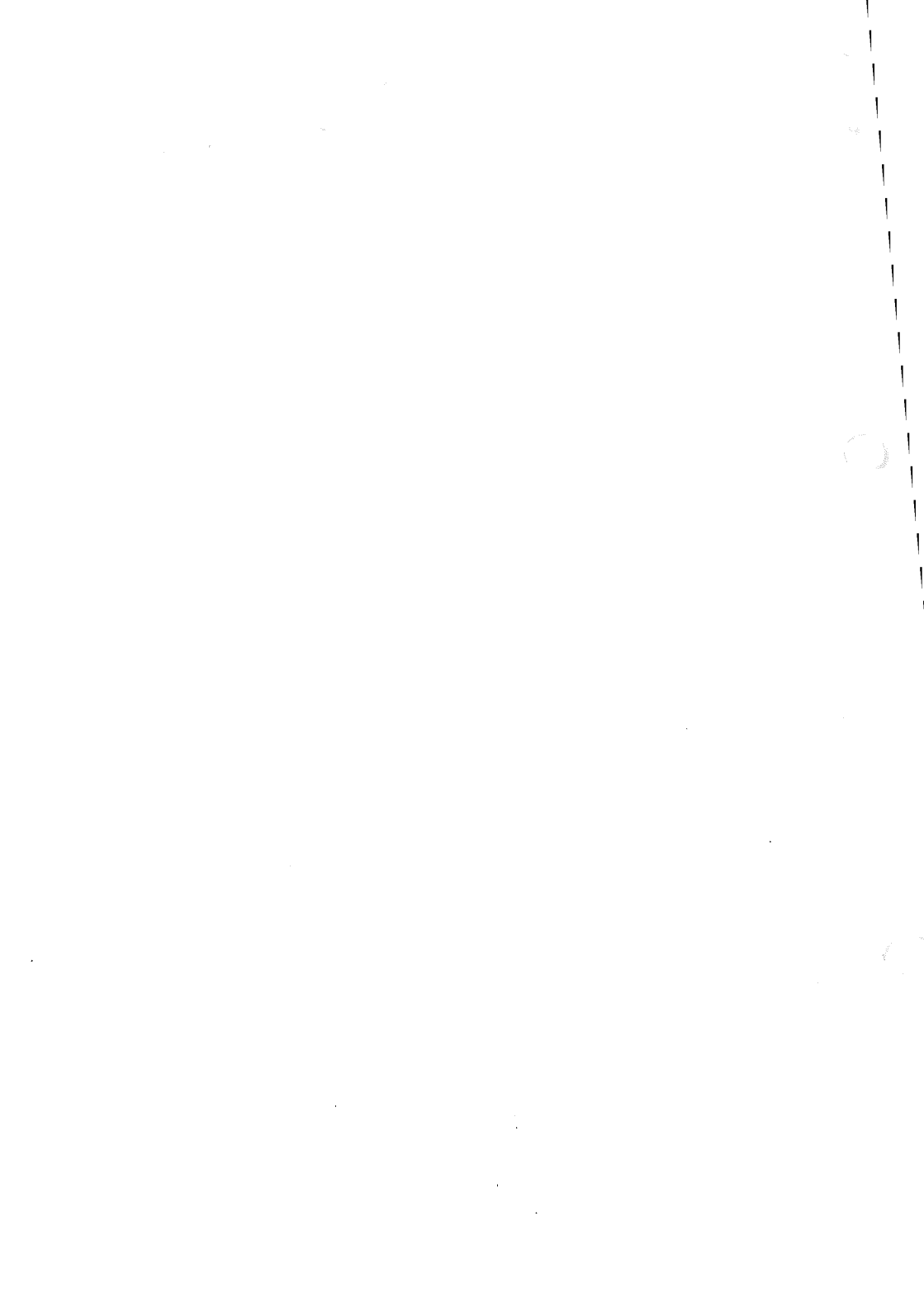
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INTERNATIONAL COUNCIL FOR THE EXPLORATION OF THE SEA
CONSEIL INTERNATIONAL POUR L'EXPLORATION DE LA MER

COUNCIL MEETING 1988

CONTRIBUTIONS TO BE PRESENTED AT THE 76TH STATUTORY MEETING

	<u>Page</u>
Gen General Assembly Reports and Papers of General Interest	1
Del Delegates Meetings	2
Fi Finance Committee	3
Pub Publications Committee	3
A Consultative Committee	4
B Fish Capture Committee	5
C Hydrography Committee	9
D Statistics Committee	12
E Marine Environmental Quality Committee	14
F Mariculture Committee	17
G Demersal Fish Committee	20
H Pelagic Fish Committee	25
J Baltic Fish Committee	30
K Shellfish Committee	33
L Biological Oceanography Committee	36
M Anadromous and Catadromous Fish Committee	38
N Marine Mammals Committee	40
Mini-Symposium on "Case Histories of Effects of Introductions and Transfers on Marine Ecosystems	42
Papers and Posters for Theme Sessions	43
ACFM Advisory Committee on Fishery Management	44
Assessment Working Group Reports	45
ACMP Advisory Committee on Marine Pollution	46



DEL- DELEGATES DOCUMENTS

- Del:1* Audited accounts for the financial year 1986/1987 with balance sheet at 31/10 1987
- Del:2* Preliminary report on administration for the year 1 November 1987 to 1 October 1988
- Del:3* Report on activities, 1988
- Del:4* Estimated accounts for the financial year 1987/1988
- Del:5* Draft budget for the financial year 1988/1989 (E + F)
- Del:6* Draft forecast budget for the financial year 1989/1990
- Del:7* Elections and appointments by the Council at the 76th Statutory Meeting (E + F)
- Del:8* Appointment of new General Secretary
- Del:9* Scale of national contributions to ICES budgets
- Del:10* Ministerial Declaration from 2nd International Conference on the Protection of the North Sea
- Del:11* Representation by Faroe Islands and Greenland Scientific Institutions on ICES Committees

*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 1987/1988

Pub:3* Sales of ICES publications

Pub:4* Report from the Editors of the Journal du Conseil for the
ICES Year 1987-1988.

REFERENCE PAPERS FOR THE PUBLICATIONS COMMITTEE

E:36 The Editor's Report on Techniques in Marine Environmental
Sciences

F:43 Report of the Editors of the Disease Sheets

L:27 Report of the Editor of the Plankton Sheets, 1987/1988.

*For the relevant Committees only.

B - FISH CAPTURE COMMITTEE

- B:1 Report of Activities, 1987
- B:2 K G Foote Designing an improved transducer array geometry
Sess.P
- B:3 K G Foote "Cylindrical sonar design for fish echo surveying
Sess.P
- B:4 K G Foote Summary of methods for measuring fish target strength
Sess.P
- B:5 K.G. Foote Acoustic sampling volume versus equivalent beam angle
Sess.P
- B:6 I Everson Target strength of Antarctic krill (Euphausia superba)
Ref.L et al.
Sess.P
- B:7 N Kjergaard Calibration of the equivalent beam angle of a split beam
Sess. and echosounder by a passive acoustic system
P K-J Stæhr
- B:8 P.Degnbol A calibration method for split beam echo sounders
Sess.P including calibration of directivity compensation and level
- B:9 A Nicolajsen Estimation of selectivity by means of a vertically split
Ref.K Nephrops trawl
Sess.Q
- B:10 S Ehrich On the variability of the species dominance in bottom
Ref. hauls within a small area in the North Sea
G+H
Sess.P
- B:11 H Bodholt, A new echo sounder system for fish abundance estimation
Sess. H Nes and fishery research
P and
H Solli
- B:12 Withdrawn.
- B:13 B S Nakashima Escapement from a midwater trawl during capelin acoustic
Sess.P surveys
- B:14 F A Veenstra Economical noise control on Dutch beam trawlers
- B:15 W C Blom Why few Dutch beam trawlers use a controllable pitch
propeller
- B:16 B van Marlen A note on the investment appraisal of new fishing
techniques
- B:17 Yu.A. Kondra- On the optimal mesh size in trawl codend in the directed
Sess. tyuk, S F beaked redfish fisheries in the Irminger Sea
Q Lisovsky and
A K Chumakov

- B:18 M L Zaferman
and
L I Serebrov Underwater techniques for quantitative assessment of commercial bottom organisms
- B:19 S E Shevtsov
Ref.J
Sess.Q Selective properties of trawl cod-ends with various mesh shapes for Baltic herring fishery
- B:20 S F Efanov
Sess. and
Q I G Istomin Survival of Alaska pollock and selective properties of trawl codends
- B:21 N V Kokorin,
Ref.G S F Efanov
Sess. and
Q M N Kovalenko Increasing the efficiency of the methods for estimating the length-age composition of the fished population with bottom long-lines
- B:22 E A Karpenko
Ref. A I Treschev
G+H and
V N Dudov Experience in using the method of fished volumes to analyse fish stock and fishing
- B:23 R Kieser
Sess.P An extension of the dual beam algorithm
- B:24 A K Beltestad
Ref. and
H O A Misund Behaviour of Norwegian spring-spawning herring in relation to underwater light
- B:25 A K Beltestad
and
O A Misund Optimization of purse seines by large meshed sections and low lead weight. Theoretical considerations, sinking speed measurements and fishing trials
- B:26 O A Misund
Sess. and
P J T Øvredal Acoustic measurements of schooling herring, estimation of school biomass and target strength
- B:27 O A Misund
Sess.P Sonar observations of schooling mackerel during purse seining
- B:28 B Isaksen
Sess. and
Q R B Larsen Codend selectivity of the Danish seine investigated by the trouser trawl method
- B:29 B Isaksen
and
R B Larsen Height and spread of the Danish seine
- B:30 W Dickson
Sess.Q Size selectivity of trawl gear in Arctic surveys
- B:31 A Engås,
Ref. J A Jacobsen
G and
A V Soldal Catch comparison between rockhoppers and bobbins ground gear on the Norwegian bottom sampling trawl
- B:32 A Engås,
Ref. J A Jacobsen
G and
A V Soldal Diurnal changes in bottom trawl catches and vertical fish distribution

- B:33 A Bjordal and D Furevik Full scale fishing trials for tusk (Brosme brosme) and cod (Gadus morhua) with a collapsible fish trap
- B:34 S Floen, B Totland and J T Øvredal Automatic recording of fish heart rate on a personal computer
- B:35 Sess. P S Floen, B Totland and J T Øvredal PC-based echo integration system for fish behaviour studies
- B:36 Ref. H E Ona and R Toresen Reactions of herring to trawling noise
- B:37 Withdrawn.
- B:38 Report of the Working Group on Fishing Technology and Fish Behaviour, Ostende, 18-19 April 1988
- B:39 Intermediate Report of the Study Group on Net Drawing
- B:40 Withdrawn.
- B:41 Sess. P K Olsen and I Ahlquist Avoidance behaviour in herring during passage of a vessel, indicated by measurements of doppler shift in echo signals
- B:42 Sess. P K Olsen and I Ahlquist Target strength of fish at various depths, observed experimentally
- B:43 Sess. P P Suuronen Behaviour of Baltic herring in front of and inside midwater trawls as revealed by echo sounding
- B:44 Sess. P R Kieser and E Ona Comparative analysis of split beam data
- B:45 Sees. P P Reynisson Target strength measurements with an ES400 split-beam echo sounder
- B:46 H Leitzke and H Stengel Calculation of submerged in water rope and net systems moved with acceleration
- B:47 Sess. Q S Reeves and P Stewart Simulating the effect of codend shape on selectivity
- B:48 Sess. R D W Armstrong Selectivity of cod, haddock and whiting by Scottish seines
POSTER
- B:49 Report on the Joint Session between FTFB and FAST Working Groups, Ostende, 20 April 1988

- B:50 Report of the Working Group on Fisheries Acoustic Science and Technology (FAST), Ostend, 20-22 April 1988
- B:51 J P Hillis Further experiments with separator trawls in the Irish
Ref.K and Sea
Sess. J Carroll
Q
- B:52 P Freon Mise au point d'outils méthodologiques pour l'étude des
Ref.H et biais induits par le comportement de poissons pélagiques
Sess. F Gerlotto dans les évaluations par hydro-acoustique
P
- B:53 F Gerlotto Structure et comportement des bancs de poissons
Ref.H et pélagiques côtiers tropicaux, leurs conséquences sur les
Sess. P Freon évaluations acoustiques
P
- B:54 E Marchal Investigations into the meaning of the number of echoes,
Sess.P the averaged squarred voltage and the possibility to use
it for scaling an echo-intergrator in situ
- B:55 J Zaucha Results of selectivity investigations on cod-ends of cod
Sess. and trawls
Q J Netzel
- B:56 Report of the Study Group on the Effects of Bottom
Ref. Trawling, IJmuiden, 24-26 May 1988
G+L
- B:57 P-O Larsson, Catches of undersized cod in codends with square and
Sess. B Claesson diamond meshes
Q and
L Nyberg
- B:58 E J Simmonds Survey and data analysis procedures
Ref. and
D D N MacLennan
Sess.P
- B:59 K A Hansen New towed transducer concept
Sess.P

REFERENCE PAPERS FOR THE FISH CAPTURE COMMITTEE

J:4, J:29, J:31, K:14

C - HYDROGRAPHY COMMITTEE

- C:1 Report of the Marine Chemistry Working Group, The Hague,
Ref.E 7-11 March 1988
Sess.S
- C:2 M J Howarth Current meter data processing
- C:3 J W Read,
 K J Medler Intercomparisons of Valeport BFM208, Aanderaa RCM4S and
 and Plessey MO21F current meters in the Irish Sea
 S R Jones
- C:4 R R Dickson A preliminary trend analysis for nitrate in the western
Ref. et al. North Sea west of 3° E
E
- C:5 P J Kershaw Use of $^{234}\text{Th}/^{238}\text{U}$ data to control scavenging in a water
Ref.E P A Gurbutt quality model
 and
 A K Young
- C:6 K J Medler Procedures for processing current meter records at
 Lowestoft
- C:7 C R Griffiths Current meter use and analysis at SMBA, Oban
 and
 N MacDougall
- C:8 P C Smith An intercomparison of near-surface current measurements
 and off southwest Nova Scotia
 D J Lawrence
- C:9 L Rickards The UK National Oceanographic Data Centre - Current meter
 data quality control and banking
- C:10 Report of the Study Group on Aerospace Remote Sensing
- C:11 J M Cabanas Hydrographic conditions off the Galician coast, northwest
 et al. of Spain, during an upwelling event
- C:12 R A Myers,
 S A Akenhead The North Atlantic oscillation and the ocean climate of
 and the Newfoundland shelf
 K Drinkwater
- C:13 T Gytre Automatic calibration of the sensors used in a miniature
 STD instrument
- C:14 Withdrawn.
- C:15 L G Golmen Investigations of coastal fronts
 and
 M Mork
- C:16 S Carlberg Stimulated growth and safeguarding of ICES oceanographic
 and data bank. A discussion paper
 L Føyn

- C:17 G Becker and B Hansen Modified North Atlantic water
- C:18 Report of the Working Group on Oceanic Hydrography, Copenhagen, 4-5 February 1988
- C:19 Report of the Working Group on Marine Data Management, Reykjavik, 14-17 June 1988
- C:20 Report of the Working Group on Shelf Seas Oceanography, Reykjavik, 14-16 June 1988
- C:21 H D Dooley Hydrographer's Report
- C:22 Ref. H Hydrochemical conditions during IYFS 1988
- C:23 S Fonselius Ref. E Long-term trends of dissolved oxygen, pH and alkalinity in the Baltic deep basins
- C:24 S Fonselius Ref. et al. Chemical results of the grid program of the patchiness experiment 1986 in the Baltic Sea
- C:25 C Maillard How long must a time series be to get the primary statistics?
- C:26 H Dahlin and K Wikström A comparison between a profiling doppler current meter and conventional rotor-type current meters
- C:27 H Dahlin Ref. E A review of current Swedish marine water quality modelling
- C:28 S Østerhus and L G Golmen Comparison of ADCP data against moored current meter data and calculated geostrophic currents
- C:29 B Hansen, Odd H Sælen and S Østerhus The passage of Atlantic water east of the Faroe Islands
- C:30 H Loeng POSTER The basic driving force: large-scale oceanographic changes
- C:31 B Sundby Sediment water exchange processes
- C:32 E Svendsen, R Sætre and M Mork Northern North Sea circulation during early fall
- C:33 T Wojewodzki Oceanographic conditions of Gdansk Bay in 1987
- C:34 J Piechura Cold and warm winters in the Southern Baltic region

- C:35 H D Dooley Retrieval of ROSCOP cruise information using a personal
Ref. L computer
POSTER
- C:36 Withdrawn.
- C:37 D Pillsbury High quality current meter data - who need it and how do
we collect it?
- C:38 J H A Martin Temporal salinity changes in the 0-degree centigrade water
in the Faroe-Shetland Channel
- C:39 T Westgård Mapping of marine data
Ref. and
D T Knutsen
POSTER
- C:40 D Gregory Current meter analysis at the Bedford Institute
- C:41 D M A Schaap MARIS, an approach to marine information and data
POSTER
- C:42 P Geerders Blueprint '88
POSTER
- C:43 M Schwikowski Contribution of airborne nitrate and ammonium to the
Ref. et al. eutrophication of the North Sea
E
- C:44 A Markus, A simulation model of phytoplankton and water quality in
Ref. P C G Glas the Southern Bight
L and
A van der
Giessen
- C:45 L J Rickards Inventory of moored current meter data in ICES Member
POSTER States
- C:46 TT Automation Marine Data Mapping (pc MADAM)
POSTER

REFERENCE PAPERS FOR THE HYDROGRAPHY COMMITTEE

E:3, E:5, E:20, E:29, G:66, H:69, L:3, L:4, L:14, L:24

D - STATISTICS COMMITTEE

- D:1 D A Stolyarenko Local integral measurements: an advanced spline
Ref.K approximation method for trawl, echo sounding and television surveys
- D:2 J Bertrand Estimateurs d'indices d'abondance dans le cas d'échantil-
Ref. et lonages stratifiés
G R Chevalier
- D:3 P S Gasyukov Method of tuning VPA by aggregate age groups
Ref.
G+H
- D:4 D A Stolyarenko The spline approximation method for trawl and acoustic
Ref. surveys of demersal fish
G
- D:5 D A Stolyarenko Using spline survey designer software system before,
Ref. during and after surveying
K
- D:6 V V Blinov Assessment of general, total fishing and natural morta-
Ref. lities for 46 fish stocks of the ICES area
G+H
- D:7 J M Hoenig Seasonally-adjusted age-length keys for real time esti-
Ref. mation of age composition: application to Gulf of Mexico
H King Mackerel assessment
- D:8 W W Fox Jr. A stochastic stock recruitment model with stock-dependent
Ref. and pattern to the residuals: implications for understanding
G+H J M Hoenig stock collapse and delayed recovery
+J
- D:9 V R Restrep Assessing uncertainty in stock production modelling
Ref. J M Hoenig
G+H and
+J W W Fox Jr.
- D:10 K H Pollock Estimating exploitation rate by combining a tagging study
Ref. J M Hoenig with catch sampling
G+H and
+J C M Jones
- D:11 H Sparholt A stochastic integrated VPA for herring in the Baltic
Ref. Sea with acoustic estimates as auxiliary information
J
- D:12 H Arancibia Cluster analysis: the use of a simple statistical method
Ref. in the identification of groups
G
- D:13 G Stefánsson A statistical analysis of Icelandic trawler reports, 1973-
Ref. 1987
G

- D:14 A Gudmundsdóttir, A simulation procedure to evaluate the efficiency of some
 Ref. B A Steinarsson otolith and length sampling schemes
 G+H and
 G Stefánsson
- D:15 ICES Progress Report, 1987/1988
 Statistician
- D:16 J A Pereiro Use of catch ratios to obtain an upper limit of the ex-
 Ref. ploitation ratio over young age classes of the stock of
 G hake
- D:17 J A Pereiro LCA behaviour in transition periods
 and
 P Pillares
- D:18 S Brunenmeister An analysis of spatio-temporal patterns of fishing effort
 Ref. and on Georges Bank during 1977 to 1986 with particular
 G J Palmer reference to the fishery for Atlantic cod
- D:19 V V Blinov A geometrical approach to analysis of system 'population
 fecundity - survival - recruitment
- D:20 P Lewy Assessments of North Sea cod and haddock based on two new
 tuning methods applying commercial catch, effort and
 research vessel data
- D:21 G Y Conan, Geostatistical analysis of spatial distribution in a
et al. school of herring
- D:22 D J Agnew Development of a computerized system for collection of
 Ref. et al. marine fisheries data
 G
- D:23 Report of the ad hoc Inter-Agency Consultation on Atlantic
 Fishery Statistics, Bergen, 1 October 1988

REFERENCE PAPERS FOR THE STATISTICS COMMITTEE

B:58, C:39, E:4, E:6, G:63, H:48, K:15

E - MARINE ENVIRONMENTAL QUALITY COMMITTEE

- E:1 Report of Activities, 1987
- E:2 Report of the Working Group on the Effects of Extraction of Marine Sediments, Burnham-on-Crouch, England, 7-9 March 1988
- E:3 B I Dybern
Ref. and H P Hansen
C (Eds.) Patchiness Experiment (PEX-'86). Part 1. General Report
- E:4 R K Misra,
Ref.D J F Uthe,
C J Musial
and C L Chou The analysis of time trends in contaminant levels in Canadian Atlantic cod (Gadus morhua). Time trends, 1977-1985, employing a multivariate linear model
- E:5 P A Yeats
Ref. Processes affecting trace metal fluxes through the
C St.Lawrence estuary
- E:6 R K Misra
Ref. J F Uthe
D and
W Vyncke Introducing a weighted procedure of analysing for time trends in contaminant levels in CMP data: application to cod and flounder data of the Belgian coast (1978-1985)
- E:7 D Bucke
and
K Stokes Fish disease monitoring on the 1987 North Sea groundfish survey
- E:8 D Bucke
Sess.R and
POSTER S W Feist Can fish diseases affect fish stocks?
- E:9 F Heron
et al. Re-appraisal of the James Johnstone collection of examples of diseased fish materials
- E:10 T W Fileman
Ref. A comparison of HPLC and mouse bioassay techniques for
K the determination of paralytic shellfish poisoning toxins
- E:11 P Matthiessen
Sess and
R J E Thain
POSTER Death in the estuary: anti-fouling paints - deliverance after a decade
- E:12 S M Rowlett Metal contamination in sediments from Liverpool docks and Mersey estuary
- E:13 H Möller
Ref. The role of smelt as transmitter of sealworm Pseudo-
H+N terranova decipiens in the Elbe estuary
Sess.0
- E:14 H Möller
POSTER The role of disease in marine fish mortality

- E:15
Sess.S
S Report of the ICES Study Group on Patchiness Workshop on PEX '86, Wustrow, German Democratic Republic, 17-23 April, 1988
- E:16 L R Monteiro
and
H D Lopes Mercury levels in swordfish, Xiphias gladius L., in relation to length and sex: preliminary results
- E:17 D C Moore
Ref.L and J Briggs Changes in the benthos around the Montrose oil platform
- E:18 L Føyen
and
B Serigstad Oil exploration in new offshore fields. Fish larvae as the critical component in the assessment of potential consequences for the fish resources
- E:19 L Føyen
and
B Serigstad The effects of oil-based mud on demersal fish eggs
- E:20 L Føyen
Ref.C Are nutrients and nutrient-related parameters suitable in trend monitoring of anthropogenic influence?
- E:21 H Pieters,
P F Otte
and
B Verboom Organobromine in marine and freshwater fishery products
- E:22 L Karbe
et al. Heavy metals in fish and benthic organisms from the northwestern, central and southern North Sea. Regional patterns comparing dab, blue mussel and hermit crab (Limanda limanda, Mytilus edulis, Pagurus bernhardus)
- E:23 V Dethlefsen Ten years' fish disease studies of the Federal Research Board Hamburg
- E:24 V Dethlefsen
and
T Lang Skeletal deformities of cod (Gadus morhua L.) in the German Bight and the southern North Sea
- E:25
Sess.S Report of the Working Group on Marine Sediments in Relation to Pollution, Copenhagen, 14-18 March 1988
- E:26
Sess.S Report of the Working Group on the Biological Effects of Contaminants, Copenhagen, 5-8 April 1988
- E:27
Sess.S Report of the 1988 Meeting of the Working Group on Statistical Aspects of Trend Monitoring, Copenhagen, 12-20 April 1988
- E:28
Sess.S
S Report of the Working Group on Environmental Assessment and Monitoring Strategy, Norrköping, Sweden, 2-5 May 1988
- E:29
Ref.C
Sess.S Report of the Working Group on the Baltic Marine Environment, Rostock, 13-16 April 1988
- E:30 Report of the Planning Group to Draw up Plans for a Sea-going 'Biological Effects Workshop'

- E:31 Report of the Study Group on Effects of Contaminants in
Ref. Marine Mammals
N
- E:32 Preliminary report on Second Sea-Going Workshop on
Studies of Fish Diseases and Parasites in relation to
Pollution
- E:33 S Møllergaard Parasite-induced mortality in plaice (Pleuronectes
Sess.R and platessa)
POSTER E Nielsen
- E:34 A H McVicar Disease as a component of natural mortality
Sess.R
POSTER
- E:35 D Schmidt Trace metal distributions in sea water: two surveys
covering the entire North Sea
- E:36 The Editor's Report on Techniques in Marine Environmental
Ref. Pub Sciences
- E:37 M Olsson Dioxins and furans in seal blubber from Northern European
Ref.N et al. waters

REFERENCE PAPERS FOR THE MARINE ENVIRONMENTAL QUALITY COMMITTEE

C:1, C:4, C:5, C:23, C:24, C:27, C:43, F:10, F:32, F:33, F:36, K:32, L:6, L:9,
L:13, L:14, L:15, L:25, M:3

F - MARICULTURE COMMITTEE

- F:1 Report of Activities, 1987 (with and Addendum)
- F:2 Publications of interest to the Mariculture Committee
- F:3 S Albrektsen and O J Torrissen Physiological changes in blood and seminal plasma during the spawning period of maturing rainbow trout held under different temperature and salinity regimes, and the effect on survival of the brood-stock and the eyed eggs
- F:4 H Kuhlmann, H Koops and H Wienbeck Continuous quantitative analysis of dissolved gases by mass-spectrometry
- F:5 C Fernandez-Pato Planning of mariculture development
- F:6 U Kils Aspects of schooling behaviour for aquaculture
- F:7 R Forés et al. Induction of spawning in turbot (Scophthalmus maximus L.) by photoperiod control
- F:8 J B Peleteiro et al. Culture of larval turbot, Scophthalmus maximus L., using two different enrichment methods
- F:9 J Sanchez et al. Experimental feeding and growth of turbot (Scophthalmus maximus L.) from 0.5 kg to 2.7 kg in Galicia (Spain)
- F:10 V L Torsvik, Ref. R Sørheim and E J Goksøyr Antibiotic resistance of bacteria from fish farm sediments
- F:11 T N Pedersen et al. LENKA - a nation-wide analysis of the suitability of the Norwegian coast and watercourses for aquaculture. A coastal zone management program
- F:12 Withdrawn.
- F:13 B Hjeltnes Ref. et al. M Vaccination of Arctic char (Salvelinus alpinus) against vibriosis
- F:14 O Samuelsen et al. Organic waste and antibiotics from aquaculture
- F:15 A Fernø, Ref. et al. M A multiple approach to behaviour studies of salmon reared in marine net pens
- F:16 A Bjordal et al. Effects on salmon (Salmo salar) from different operational procedures in fish farming
- F:17 A Bjordal Cleaning symbiosis between wrasses (Labridae) and lice infested salmon (Salmo salar) in mariculture
- F:18 I Huse et al. The effects of shading in pen rearing of Atlantic salmon (Salmo salar)

- F:19 D M Furevik Surface activity of Atlantic salmon (Salmo salar) in net pens
et al.
- F:20 Report of the Working Group on Introductions and Transfers of Marine Organisms, Edinburgh, 31 May - 3 June 1988
- F:21 R Bertran, Utilisation d'aliments composés pour l'élevage des juvéniles de homard (Homarus gammarus)
Ref. J Lorec
K et
J Guillaume
- F:22 C Cahu, Variation de la composition en lipides de Penaeus indicus
Ref. A Sevère au cours de son développement larvaire
K et
P Quazuguel
- F:23 J H Robin Supplémentation minérale des proies pour les élevages larvaires de poisson: effet du selenium
- F:24 N Devaucheleee, Influence de la température sur la maturation et la ponte de la palourde japonaise (Ruditapes philippinarum)
Ref. P le Souchu
K et G Salaun
- F:25 D Jollivet, Influence du traitement de l'amidon et de son taux d'incorporation ainsi que de la température et du rationnement sur la digestion chez le turbot (Scophthalmus maximus)
J Gabaudan
et R Metailler
- F:26 R Nortvedt Behaviour and growth rate gain in Arctic char (Salvelinus alpinus) and Atlantic salmon parr (Salmo salar) in mono- and duoculture when reared under two different densities
Ref. and
M J Chr. Holm
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Ref.E
Sess.S
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Ref.E,K and L
Sess.S
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Ref.E,K and L
Sess.S
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- F:35 A H McVicar Further results in the study of the aetiology of pancreas disease of farmed Atlantic salmon
and
A L S Munro
- F:36 W Turrell A theoretical study of the dispersal of soluble and infectious wastes from farmed Atlantic salmon net cages in a hypothetical Scottish sea loch
Ref. and
E A L S Munro

- F:37 Report of the Working Group on Pathology and Diseases of
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- F:38 Report of the Working Group on Mass Rearing of Juvenile
Marine Fish, Vigo, 6-8 June 1988
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June 1988
- F:40 P Camus Incidence des conditions de capture et de fixation (formol
Ref. et et alcool) sur les larves et post-larves de Solea vulgaris
L H Rolland élevées au laboratoire
- F:41 G Höner Growth of mullet (Liza ramada) fed three commercial trout
et al. and eel feed in open and closed aquaculture systems
- F:42 E Egidius Salmon lice, Lepeophtheirus salmonis
Sess.R
POSTER
- F:43 Report of the Editors of the Disease Sheets
Ref.Pub
- F:44 G Höner Effect of automatic belt-feeding on short-term growth and
et al. size variation of mullet (Chelon labrosus) fry

REFERENCE PAPERS FOR THE MARICULTURE COMMITTEE

G:3, G:4, G:6, K:22, L:13, L:15, and Mini-Symposium Nos. 1-6 and 8

G - DEMERSAL FISH COMMITTEE

- G:1 Report of Activities, 1987 and Addendum
- G:2 J Vazquez, Rates of infestation of cod by Lernaecocera branchialis L.
Sess. X P Canalejo in ICES Division IIB
O and
J L G Escalante
- G:3 A Salvanes, Cod enhancement experiment in Masfjorden: the fish com-
Ref.F J H Fosså munities prior to large-scale release of young pond-pro-
POSTER and duced cod
J T Nordeide
- G:4 A Salvanes Analysis of natural recruitment of cod in a fjord of
Ref.F western Norway by releasing tagged pond-produced cod
POSTER
- G:5 J T Nordeide The migration of coastal cod (Gadus morhua L.) tagged in a
and fjord of western Norway
A Salvanes
- G:6 J T Nordeide Cod enhancement experiment in Masfjorden: migration and
Ref.F and predation of densely stocked cod (Gadus morhua L.)
POSTER A Salvanes
- G:7 E Fahy Irish fisheries for ray (Rajidae): sampling a multi-
species product
- G:8 H Heessen The International Young Fish Survey
Ref.H and the ICES
POSTER Secretariat
Computer Manage-
ment Section
- G:9 Ph.Moquedet Estimation of the megrim (Lepidorhombus wiffiaconis)
and growth parameters, for males and females, from the ICES
N Perez Sub-area VII, fitting to the von Bertalanffy model using
resampling techniques, as well as several adjustable
central values (mean, median and mode length at age)
- G:10 Withdrawn.
- G:11 P Degnbol, A hydroacoustic survey of the eastern North Sea, Skagerrak
Ref. E Kirkegaard and Kattegat August-September, 1987
H and P Lewy
- G:12 P Lucio Surplus energy allocation in some fish species of the North
Sea
- G:13 C T Macer North Sea cod: simulations of a closure of the spawning
and grounds
W G Parnell
- G:14 R S Millner, Variability in abundance of 0- and 1-group plaice and sole
J D Riley on the east coast of England
and
C L Whiting

- G:31 M S Shevelev Ontogenetic stages in spotted wolffish (Anarhichas minor Olaf.) from the Barents Sea
- G:32 M V Kovtsova Fatness dynamics and feeding peculiarities of haddock [Melanogrammus aeglefinus (Linné)] in the Barents Sea
- G:33 M S Shevelev, V S Mamylov and N A Yaragina Soviet cod and haddock investigations in the Barents Sea and adjacent waters in 1987
- G:34 N A Yaragina Dynamics of sexual maturation of the Lofoten-Barents Sea cod in 1985-1987
- G:35 Yu. I. Bakai Sess.O Application of results from parasitological investigations in redfish (Sebastes mentella Travin) populational structure studies
- G:36 V V Blinov Assessment of stock size for pelagic population of the redfish Sebastes mentella T. both in the open part of the Irminger Sea and in the whole area of its distribution for the period 1982-1985.
- G:37 V V Blinov Assessment of redfish, Sebastes mentella T., stock in ICES divisions XII, XIVb and Va for 1982 and 1983 fishing years on the basis of Soviet and international fishery results
- G:38 J Magnusson, K Kosswig and Jutta V. Magnússon Young redfish on the nursery grounds in the East Greenland shelf area
- G:39 Jutta V. Magnússon On silver smelt (Argentina silus Asc.) in Icelandic waters
- G:40 Jutta V. Magnússon On the maturity of blue ling in western and southern Icelandic waters in February/March, 1985 to 1988
- G:41 A Kristiansen Results from the groundfish surveys at Faroes 1982-1988
- G:42 T Jørgensen Long-term changes in age at sexual maturity of the northeast Arctic cod (Gadus morhua L.)
- G:43 A Hysten et al. Estimates of stock size of northeast Arctic cod and haddock, Sebastes mentella and Sebastes marinus from survey data, winter 1988
- G:44 A Hysten and J A Jacobsen Estimates of stock size of Arctic cod and haddock, redfish and Greenland halibut in the Barents Sea and the Svalbard area, autumn 1987
- G:45 Ref.H Preliminary report of the International O-Group Fish Survey in the Barents Sea and Adjacent Waters in August-September 1988
- G:46 Ref. and K A Hysten and J A Jacobsen Estimation of commercial demersal fish species taken as by-catch in the fishery for shrimps in the Barents Sea and the Svalbard region 1980-1986
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- G:48 M Vinther
and
H Sparholt The biomass of skates in the North Sea
- G:49 Withdrawn.
- G:50 H Degel
and
H Gislason Some observations on the food selection of plaice and dab in Øresund, Denmark
- G:51 J Urban Determination of batch fecundity in plaice, Pleuronectes platessa, and sole, Solea solea, from the German Bight
- G:52 J Urban
and
J Alheit Oocyte development cycle of plaice, Pleuronectes platessa, and North Sea sole, Solea solea
- G:53 R Guichet Etude de la croissance du merlu européen (Merluccius merluccius) au cours des ses premières années. Analyse par NORMSEP des distributions en taille observées trimestriellement en mer de 1980 à 1987
- G:54 P I van
Leeuwen
and
D Vethaak Growth of European flounder (Platichthys flesus) and common dab (Limanda limanda) in Dutch coastal waters with reference to healthy and diseased fish
- G:55 S Mehl,
Ref.H K Sunnanå
Sess.R and
POSTER S Tjelmeland The predation of cod on capelin 1983-1988
- G:56 S Mehl
Ref.H
Sess.R
POSTER The predation of cod on capelin juveniles 1983-1988
- G:57 A Hysten
and
A Raknes Comparison of geographical distribution of northeast Arctic cod and haddock based on acoustic surveys in 1987-1988
- G:58 E Ebeling A brief survey of the feeding preferences of Raja clavata in Red Wharf Bay in the Irish Sea
- G:59 N R Hareide
POSTER and
P Grotnes The stocks of ling (Molva molva) and torsk (Brosme brosme) along the continental shelf
- G:60 A Yatsu
and
O Jørgensen Distribution and size composition of redfish, Sebastes marinus (L.) and Sebastes mentella (Travin), from a bottom trawl survey off East Greenland in 1987
- G:61 A Yatsu
and
O Jørgensen Groundfish biomass estimates from a stratified-random bottom trawl survey off East Greenland in 1987
- G:62 A Yatsu
and
O Jørgensen Greenland halibut, Reinhardtius hippoglossoides (Walb.), from a bottom trawl survey off East Greenland in 1987

- G:63 D N MacLennan Fishing effort, mortality and the variation of catches
Ref.D and
Sess. J G Shepherd
T
- G:64 H Dupouy, Le taux de mélange des baudroies (Lophius piscatorius et
J J Rivoalen L. budegassa) dans les débarquements français du plateau
et Celtique
B Kergoat
- G:65 D J Agnew Evidence for the existence of two populations of Irish Sea
cod, Gadus morhua L., from consideration of growth rates
- G:66 H Lehtonen, Death in the sea: environmental changes and fish stocks -
Ref.C M Hildén a fisherman's perspective
Sess.R and
POSTER A Järvinen
- G:67 S Ehrich The influence of sediment on the distribution of bottom
fish and the response of survey strategies thereto
- G:68 E Egidius Vibriosis in saithe
Sess.
R
POSTER
- G:69 Report on the 0-group fish survey in Icelandic and East
Ref.H+L Greenland waters, August 1988

REFERENCE PAPERS FOR THE DEMERSAL FISH COMMITTEE

B:10, B:21, B:22, B:31, B:32, B:56, D:2, D:3, D:4, D:6, D:8, D:9, D:10, D:12,
D:13, D:14, D:16, D:18, D:22, H:8, H:42, H:72, J:5, J:32, K:24, L:17, L:18, N:15

H - PELAGIC FISH COMMITTEE

- H:1 Report of Activities, 1987
- H:2 Report of the Planning Group for Acoustic Surveys in ICES Sub-areas VIII and IX, Lisbon, 9-12 February 1988
- H:3 Report of the Mackerel Egg and Recruitment Workshop, 25-29 January 1988, Aberdeen
- H:4 Report of the Sprat Biology Workshop, Bergen, 4-7 November 1986
- H:5 J. Molloy and E. Barnwall The Irish mackerel egg survey, 1987
- H:6 E Fahy Recent developments in the Irish fisheries for spurdog, Squalus acanthias (L.)
- H:7 M.G.Larraneta On the estimation of actual fecundity of Scomber scombrus
- H:8 Report on the International Young Fish Survey in the North Sea, Skagerrak and Kattegat, 1988
Ref.G
- H:9 J.Santiago and E Eltink Distribution and abundance of anchovy eggs in the Bay of Biscay in 1987 in comparison with 1983 and 1986
Ref. L
- H:10 J.Santaigo, I.Artetxe, A.Xamakona Distribution and abundance of mackerel, horse mackerel and pilchard eggs in the southern Bay of Biscay in 1987
Ref. L
- H:11 J.Santiago Contribution to the knowledge of the egg phase of anchovy (Engraulis encrasicolus L.) in the Bay of Biscay
Ref. L
- H:12 I.Martin and P.Lucio Distribution of landings and effort in the anchovy fishery of the Basque country in 1987, with special reference to the length frequency distributions and age composition of the landings
- H:13 P.Lucio and I Martin Biological studies on the anchovy (Engraulis encrasicolus L. 1758) in the Bay of Biscay
- H:14 R Sætre, H Bjørke and P Fossum Distribution, drift and condition of herring larvae off western Norway in 1987
Ref. L
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Ref. L
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- H:18 J C Guéguen Infestation of mackerel (Scomber scombrus) by Anisakidae.
Sess. and French observations in 1987 and 1988
O A Picollier
- H:19 H A Isidro Age and growth of Trachurus picturatus (Bowdich, 1825) from the Azores
- H:20 E Moksness Herring larvae (Clupea harengus) investigations in the
Ref. and Skagerrak area, December 1987 to March 1988. A preliminary
L T Johannessen report
- H:21 A Garcia Distribution of sardine (Sardina pilchardus Walb.) egg and
Ref.L et al. larval abundances off the Spanish North Atlantic coasts (Galician and Cantabrian areas) in April 1987
- H:22 A Corten Shifts in herring spawning areas in the northwestern North
Ref. Sea in relation to environmental changes
L
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scombrus L.) in ICES Sub-areas IV, VI, VII, and VIII in
Sess. 1970-1971 and 1982-1984
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Ph. Moguedet
- H:26 A I Krysov, Spawning efficiency of Atlanto-Scandian herring in 1987
N V Mukhina and E I Seliverstova
- H:27 A B Karasev Myxosporodion Myxobolus aeglefini (Cnidospora: Myxosporae)
Sess. - blue whiting biological tag from the Celtic Sea and
O adjacent waters
- H:28 N A Isaev Results of blue whiting investigations west of the Irish
and coast in spring 1987
K Bhatnagar
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S V Belikov Northeast Atlantic in spring 1987
and V N Shleinik
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N A Isaev in spring-summer 1986 and 1987
- H:31 N M Timoshenko Comparison of morphological characters of blue whiting from
Sub-areas VI-VIII

- H:32 V N Feldman and E I Golubjatnikova Two approaches to estimating the diurnal ration and prey size preferences of predatory gadoids
- H:33 Ref. L E M Karasjeva Mortality of herring larvae in the North Sea
- H:34 L I Koval Geographical variability of EST-I locus parameters in horse mackerel Trachurus symmetricus murphyi (Nichols)
- H:35 R Toresen Growth in the Norwegian spring-spawning herring for the year classes 1950-1960 and 1973-1983
- H:36 T Monstad Report on the Norwegian blue whiting survey, spring 1988
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- H:42 Ref.G J Hamre Some aspects of the interrelation between the herring in the Norwegian Sea and the stocks of capelin and cod in the Barents Sea
- H:43 S Alshuth Age distribution of overwintering sprat larvae from the German Bight (North Sea)
- H:44 S Alshuth Seasonal variations in length-frequency and birthdate distribution of juvenile sprat (Sprattus sprattus)
- H:45 Ref. L E Wahl and J Alheit Changes in distribution and abundance of sprat eggs during spawning season
- H:46 Sess. P E Ona and R Toresen Avoidance reactions of herring to a survey vessel, studied by scanning sonar
- H:47 Ref. L V Christensen, T Nielsen and H Paulsen Sampling of herring larvae close to a drifting buoy
- H:48 Ref. D M F Borges Multiplicative catch-at-age analysis of scad (Trachurus trachurus L.) in Divisions VIIIc and IXa
- H:49 M F Borges Population parameters, biannual cohorts, and length-based assessment in scad (Trachurus trachurus L.) in Divisions VIIIc and IXa

- H:50 M Lourdes An investigation on otolith structure of horse mackerel
Marecos (Trachurus trachurus L.) in Portuguese waters (Division
IXa)
- H:51 J Hamre The Barents Sea capelin 1972-1983
Sess.R
Poster
- H:52 H Gjøsæter The Barents Sea capelin 1983-1988
Sess.R
POSTER
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Sess.R year class of capelin
POSTER
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Sess. H Gjøsæter
R and
POSTER H Loeng
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Sess.R
POSTER
- H:56 J Hamre The Norwegian spring-spawning herring prior to 1970
Sess.R
POSTER
- H:57 R Toresen The Norwegian spring-spawning herring 1970-1988, adult
Sess.R
POSTER
- H:58 I Røttingen The Norwegian spring-spawning herring, juveniles
Sess.R
POSTER
- H:59 A Glukhov, The killing of the North-East Atlantic plankton feeders:
Sess. J Hamre and Man the murderer or accessory to the crime?
R S Tjelmeland
POSTER
- H:60 V Tretyak A simple model for the fish interactions in the Norwegian
Sess. and and Barents Seas
R S Tjelmeland
POSTER
- H:61 M E Cunha Reproductive cycle of Sardina pilchardus in the central
and region off the Portuguese coast (1971/1987)
I Figueiredo
- H:62 P W Rankine A report on the ICES herring larval surveys in the North
Sea and adjacent waters in 1987/1988
- H:63 K MacKenzie Digenean parasites as indicators of seasonal migrations of
Sess. North Sea herring
O

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and west of Scotland in November 1987
P Copland
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et al.
- H:67 A Dumke Investigations on the occurrence of Anisakis spec. larvae
Sess. within the muscle flesh from blue whiting (Micromesistius
O poutassou Risso) of the North-East Atlantic
- H:68 Withdrawn.
- H:69 M Giedz Investigations into the relationship between shelf bottom
Ref. temperature and the mackerel CPUE on the US Atlantic shelf
C in the years 1985-1987
- H:70 I M Figueiredo On sexual maturation, condition factor and gonosomatic
and index of Sardina pilchardus Walb., off Portugal (1986/1987)
M Santos
- H:71 M G Pawson Assessment and management of the UK bass (Dicentrarchus
and labrax L.) fishery
G D Pickett
- H:72 I Hoff Norwegian system for tagging and recovery
Ref. et al.
G+J
POSTER
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C Franco intensity of sardine (Sardina pilchardus Walbaum, 1792) off
and the Cantabria and NW Spain
A Solá
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and commercial species on the continental shelf off Spain
A Solá

REFERENCE PAPERS FOR THE PELAGIC FISH COMMITTEE

B:10, B:22, B:24, B:36, B:52, B:53, C:22, D:3, D:6, D:7, D:8, D:9, D:10, D:14,
E:13, G:8, G:11, G:45, G:55, G:56, G:69, J:15

J - BALTIC FISH COMMITTEE

- J:1 Report of Activities, 1987
- J:2 W Weber Anisakis larvae in herring of the western Baltic
Sess. and
O Th. Neudecker
- J:3 K Wieland Drift and mortality of cod and sprat eggs in the Bornholm
Ref. Basin (Baltic Sea) in April 1988
L
- J:4 S Christensen Mesh size as a means of regulation in the Baltic cod
Ref. fishery
B
- J:5 O Bagge, Recruitment of young cod in Sub-division 22
Ref S Møllergaard
G and
I Dalsgaard
- J:6 M L Starodub Feeding and fatness dynamics of Baltic sprat in 1982-1987
and
N M Kondrateva
- J:7 G B Grauman The peculiarities of the Baltic sprat spawning in 1985-
and 1987
E A Yula
- J:8 M Vitinsh Young flounder and turbot surveys with the beach seine in
the eastern Baltic in 1986 and 1987
- J:9 T D Baranova The Soviet commercial trawl catches of cod in Sub-
divisions 26 and 28 in 1983-1987
- J:10 F G Shvetsov Results of hydroacoustic assessment of the eastern Baltic
and sprat stocks
E B Gradalev
- J:11 M E Fetter Assessment of the eastern Baltic herring stocks by hydro-
and acoustic method
E A Ojaveer
- J:12 A Lankov On the role of sprat (Sprattus sprattus balticus Schn.) in
the ecosystem of the northern Baltic
- J:13 R Aps Fishery and sprat stock dynamics in the northern Baltic in
et al. 1950-1987
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A Paat
and Y-O Uder
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Ref. estimated from length frequency data
H+L
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J:33

Publications of interest to the Baltic Fish Committee,
1987

REFERENCE PAPERS FOR THE BALTIC FISH COMMITTEE

B:19, D:8, D:9, D:10, D:11, G:29, H:72, L:8, L:22, L:23

K - SHELLFISH COMMITTEE

- K:1 Report of Activities, 1987
- K:2 M J Figueiredo Some decapod crustaceans captured by trawl in Nephrops grounds off the Portuguese south and southwest coasts
- K:3 J T Addison and D B Bennett Assessment of minimum landing sizes of Cancer pagurus on the east coast of England
- K:4 B M Thompson and R A Ayers The effect of temperature on the stage duration of larvae of Cancer pagurus
- K:5 S P Milligan and J H Nichols Nephrops larvae surveys off the northeast coast of England in 1987
- K:6 R Meixner and B Luckas On an outbreak of diarrhetic shellfish poisoning and determination of okadaic acid as a typical DSP-toxin in mussels
- K:7 F M Porteiro and H R Martins Some observations on the behaviour of adult Loligo forbesi in captivity
- K:8 H R Martins and F M Porteiro The exploited stock of Loligo forbesi in the Azores: additional notes on biology and fisheries
- K:9 M Moriyasu and G Y Conan Aquarium observations on mating behaviour of the snow crab, Schionoecetes opilio
- K:10 G Y Conan and M Moriyasu Assessment and spatial distribution surveys of snow crab stocks by geostatistics
- K:11 O Bagge The development of the fishery on Norway lobster in the Kattegat, 1970-1987
- K:12 B I Berenboim, S G Mukhin and G K Sheveleva USSR investigations of shrimp Pandalus borealis in the Barents Sea and in the Spitsbergen area in 1987
- K:13 B G Ivanov, D A Stolyarenko and B I Berenboim The stock assessment of the deep water shrimp (Pandalus borealis) off Spitsbergen and Bear Island with a usage of the spine survey designer software system
- K:14 B G Ivanov and Ref B D A Stolyarenko Relation between currents and orientation of shrimps and its effect on trawl catchability: a new hypothesis

- K:15 D A Stolyarenko The survey of Icelandic scallop stock off Bear Island: a
 Ref. B G Ivanov use of new methods
 D and
 B I Berenboim
- K:16 M Aschan The effect of Iceland scallop (Chlamys islandica) dredging
 at Jan Mayen and in the Spitsbergen area
- K:17 S A Pedersen Inshore scallop resources (Chlamys islandica) in the Nuuk-
 area, West Greenland
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 and borealis) in the Barents Sea and the Svalbard region 1988
 P Øynes
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 et gammarus) capturés en pêche à pied à Blainville (ouest
 J C Le Calvez Contentin, France)
- K:21 R P Briggs A preliminary analysis of maturity data for northwest
 Irish Sea Nephrops
- K:22 M Héral Définitions de la capacité trophique d'un écosystème con-
 Ref. chylicole: comparaison entre différentes approches
 F
- K:23 V Gomes Tagging experiments on the crab Carcinus maenas (L.) in
 the Ria de Aveiro lagune (Portugal)
- K:24 C C E Hopkins Energy content and production of the deep-water prawn
 Ref. Pandalus borealis (Krøyer) as a function of body size/age
 G and season
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 (Hvas araneus) in Icelandic waters
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 March 1988
- K:30 Report of the Study Group on Squid Biology
- K:31 C Talidec Les pêcheries de langoustine du Golfe de Gascogne
 et (Divisions CIEM VIIIa,b). Bilan de 15 années de gestion
 A Charuau
- K:32 F Latrouite Mortalité du tourteau Cancer pagurus provoquée par le
 Ref. et al. dinoflagellé parasite Hematodinium sp.
 E
- K:33 D Latrouite Analyse quantitative et qualitative des captures de tour-
 et teaux Cancer pagurus par la flotille française de Manche-
 Y Morizur ouest

- K:34 D Latrouite
et
Y Morizur Observations sur la croissance du tourteau Cancer pagurus
en Manche et en Golfe de Gascogne
- K:35 P Berthou
et
M Glemarec Distribution temporelle spatiale des cohortes de Spisula
ovalis dans le nord du Golfe de Gascogne: reflèt d'une
compétition inter-cohorte?
- K:36
Withdrawn.
- K:37 J P Hillis Relationship of Nephrops catch characters to sea-bed sedi-
ment type
- K:38 J P Hillis Changes in Irish Sea Nephrops catch since 1969
- K:39 J P Hillis The Nephrops of Porcupine Bank
- K:40 Publications of interest to the Shellfish Committee
- K:41 G Wilhelm
Sess. et Infection de l'etrille Liocarcinus puber (L.) par le dino-
flagellé parasite Hematodinium sp.
O V Boulu
- K:42 A Koronkiewicz Biology of jumbo squid in open mid-eastern Pacific waters

REFERENCE PAPERS FOR THE SHELLFISH COMMITTEE

B:9, B:51, D:1, D:5, E:10, F:21, F:22, F:24, F:33, G:46, L:6

L - BIOLOGICAL OCEANOGRAPHY COMMITTEE

- L:1 Report of Activities, 1987, with an Addendum
- L:2 D V Holliday Determination of zooplankton size and distribution with
Sess. and multifrequency acoustic technology
P R E Pieper
- L:3 O A Astthorsson Seasonal changes in zooplankton abundance in Isafjord-
Ref. and deep, northwest Iceland, in relation to chlorophyll a, and
C G S Jónsson hydrography
- L:4 R A Myers Offshelf Ekman transport and larval fish survival in the
Ref. and Northwest Atlantic
C K F Drinkwater
- L:5 M Kat Phytoplankton bloom events in the coastal area of the
Netherlands 1973-1984
- L:6 E Gaard Blooms of the toxic dinoflagellate Gonyaulax excavata in a
Ref. and Faroese fjord
E and M Poulsen
K
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et al. ton production formation type
- L:8 G Behrends, Temporal changes of some biological components at an
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H P Hansen
- L:9 J Rasmussen Reponse of Gonyaulax tamarensis to the presence of a
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- L:10 R Hudd, The archipelago zone zooplankton in the northern Quark in
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- L:11 R Fröse The use of quadratic discriminant functions in connection
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- L:12 Publications of interest to the Biological Oceanography
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- L:13 Report of the Study Group on the Ecology of Algal Blooms,
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- L:14 Report of the Working Group on Primary Production, Copen-
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M - ANADROMOUS AND CATADROMOUS FISH COMMITTEE

- M:1 Report of Activities, 1987
- M:2 Report of the Study Group on the Norwegian Sea and Faroes Salmon Fishery, Dublin, 9-11 February 1988
- M:3 G B Sangalang
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- M:4 Report of the Study Group on North American Salmon Fisheries, St. John's, Newfoundland, 1-4 March 1988
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- M:7 ICES compilation of microtag, finclip, and external tag releases in 1987
- M:8 E C E Potter
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- M:9 R Bartel,
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- M:10 List of publications related to the interests of the Anadromous and Catadromous Fish Committee
- M:11 E Twomey Fluctuations in the count, catches and characteristics of Irish salmon from selected riverine fisheries
- M:12 D G Reddin
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- M:24 D L Scarnecchia, Effects of oceanic variations and the West Greenland
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- M:25 Y Desaunay Description préliminaire des pêcheries d'anguille
et (Anguilla anguilla) sur le littoral français de la Manche
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- M:26 Withdrawn.
- M:27 T Hakaste Stock assessment of the salmon (Salmo salar) stock in the
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- M:28 G Castelnaud The sturgeon tagging programme in the Gironde estuary
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REFERENCE PAPERS FOR THE ANADROMOUS AND CATADROMOUS FISH COMMITTEE

F:13, F:15, F:26

N - MARINE MAMMALS COMMITTEE

- N:1 Report of Activities, 1987
- N:2 R Duguy Cétacés et pinnipèdes observés sur les côtes de France en 1987
- No.3 R Duguy Les échouages de cétacés et les facteurs météorologiques sur la côte centre-ouest atlantique
- N:4 G Garcia-Castrillo
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- N:5 T Smith Utility of cetacean and seabird sighting surveys conducted
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- N:6 W D Bowen Sealworm (Pseudoterranova decipiens), grey seals and
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- N:7 D Thompson Diving behaviour of grey seals (Halichoerus grypus) in the
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- N:8 D Bloch, Is stock identification of long-finned pilot whale
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P Zachariassen
- N:9 E Helle What could be the pup production of the Baltic grey seal?
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- N:10 O Stenman L'abondance et la distribution des phoques gris dans
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- N:12 G Desportes Diet of the pilot whale, Globicephala melaena, around the
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- No.3 M K  ie The swim-bladder nematodes Anquillicola spp. and the gill
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- No.5 E Egidius, Mutual impact of wild and cultured salmon in Norway
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- No.6 Y Harache Pacific salmon in Atlantic waters
- No.7 Withdrawn.
- No.8 O Halvorsen Gyrodactylus salaris in Norwegian salmon rivers

PAPERS AND POSTERS FOR THESE SESSIONS

Parasites in Marine Population Studies (O): Convener: E. Egidius

E:13, G:2, G:35, H:18, H:23, H:27, H:63, H:67, J:2, J:20, J:21, J:28, K:41,
M:13, N:6

Acoustic Methods (P): Convener: Prof. K. Olsen

B:2, B:3, B:4, B:5, B:6, B:7, B:8, B:10, B:11, B:13, B:23, B:26, B:27, B:35,
B:41, B:42, B:43, B:44, B:45, B:52, B:53, B:54, B:58, B:59, H:46, L:2

Fishing Gear Selectivity (O): Convener: Mr D.N. MacLennan

B:9, B:17, B:19, B:20, B:21, B:28, B:30, B:47(Poster), B:51, B:55, B:57

Death in the Sea: A Perspective (R): Convener: Mr J.G. Pope

In the form of a Poster session:

B:48, E:8, E:11, E:33, E:34, F:42, G:15, G:55, G:56, G:66, G:68, H:51, H:52,
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ACMP and Associated Working Group Reports (S): Convener: Dr J.E. Portmann

C:1, E:15, E:25, E:26, E:27, E:28, E:29, F:32, F:33, F:33A, F:37, L:13,
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ACFM and Assessment Working Group Reports (T): Convener: Mr J. Jakobsson

Assess:1 to and including Assess:27; G:63.

ACFM - ADVISORY COMMITTEE ON FISHERY MANAGEMENT

- ACFM:1* Agenda, ACFM Consultations at the 1988 Statutory Meeting
- ACFM:2* Draft Agenda and Timetable, ACFM Meeting, 1-9 November 1988
- ACFM:3* Draft Schedule and Terms of Reference for 1989 ACFM and Assessment Working Groups

*For the relevant Committee only.

ASSESSMENT WORKING GROUP REPORTS - 1988

- C.M.1988/Assess:1 Report of the Study Group on Squid Assessment, Copenhagen, 18-22 May 1987
- C.M.1988/Assess:2 Report of the Working Group on the Assessment of the Stocks of Hake, Copenhagen, 25 June - 2 July 1987
- C.M.1988/Assess:3 Report of the Working Group on Fisheries Units in Sub-areas VII and VIII, Nantes, 10-15 September 1987
- C.M.1988/Assess:4 Report of the Working Group on Multispecies Assessments of Baltic Fish, Gdynia, 14-18 September 1987
- C.M.1988/Assess:5 Report of the Arctic Fisheries Working Group, Copenhagen, 14-24 September 1987
- C.M.1988/Assess:6 Report of the Blue Whiting Assessment Working Group, Copenhagen, 16-22 September 1987
- C.M.1988/Assess:7 Report of the Working Group on the Assessment of the European Eel, Nantes, 22-24 September 1987
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- C.M.1988/Assess:12 Report of the Mackerel Working Group, Copenhagen, 1-9 March 1988
- C.M.1988/Assess:13 Report of the Division IIIa Demersal Stocks Working Group, Copenhagen 14-18 March 1988
- C.M.1988/Assess:14 Report of the Working Group on the Assessment of Pandalus Stocks, Copenhagen, 9-12 February 1988
- C.M.1988/Assess:15 Report of the Industrial Fisheries Working Group, Copenhagen, 23-29 March 1988
- C.M.1988/Assess:16 Report of the Working Group on North Atlantic Salmon, Copenhagen, 21-31 March 1988
- C.M.1988/Assess:17 Report of the Herring Assessment Working Group for the Area South of 62°N, Copenhagen, 5-15 April 1988
- C.M.1988/Assess:18 Report of the Working Group on Assessment of Pelagic Stocks in the Baltic, Copenhagen, 11-21 April 1988
- C.M.1988/Assess:19 Report of the Baltic Salmon and Trout Assessment Working Group, Copenhagen, 22-27 April, 1988

- C.M.1988/Assess:20 Report of the Working Group on Assessment of Demersal Stocks in the Baltic, Copenhagen, 18-27 April 1988
- C.M.1988/Assess:21 Report of the North Sea Roundfish Working Group, Aberdeen, UK, 18-29 April 1988
- C.M.1988/Assess:22 Report of the Working Group on the Assessment of Pelagic Stocks in Divisions VIIIc and IXa and Horse Mackerel, Copenhagen, 4-11 May 1988
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- C.M.1988/Assess:25 Report of the Working Group on Fisheries Units in Sub-areas VII and VIII, Nantes, France, 22-28 June 1988
- C.M.1988/Assess:26 Report of the Workshop on Methods of Fish Stocks Assessment, Reykjavik, 6-12 July 1988
- C.M.1988/Assess:27 ACFM comments on stock assessment working group reports: a supplement (for working groups) to the ACFM Minutes of November 1987 and May 1988

ACMP - ADVISORY COMMITTEE ON MARINE POLLUTION

ACMP:1* Agenda for the Advisory Committee on Marine Pollution

*For the relevant Committee



