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

COUNCIL MEETING 1990

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A:7* Minutes of the meeting of the Advisory Committee on Marine Pollution, Copenhagen, 5-14 June 1990
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REFERENCE PAPERS FOR THE CONSULTATIVE COMMITTEE

Del:15* North Atlantic Committee for Cooperation on Research on Marine Mammals
Del:17* Proposed Agreement on the Conservation of Small Cetaceans

*For the relevant Committee only.
Report of Activities, 1989

Absorption of acoustic energy in dense herring schools studied by attenuation in the bottom echo signal

Controlling the variability of survey gear performance

Withdrawn.

Hydroacoustic automated system for studying objects' behaviour

Withdrawn.

Withdrawn.

Species recognition based on the spectral signature of individual targets

ECHOANN - An analyzer for echosounder signals

Fish density derived from echo integration and in situ target strength measurements

The effect of trawl selectivity on estimates of acoustic biomass and year-class strength of capelin (Mallotus villosus)

The application of airborne digital imagery and image analysis techniques to detect and measure capelin schools (Mallotus villosus)

Analysis of trawl selectivity studies with an application to trouser trawls

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The effect of a flip-up rope on the catch efficiency of an 8-m beam trawl

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B:25 Withdrawn.

B:26 M.R. Martins, Gillnet selectivity experiments on pout (Trisopterus Sess.U
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B:27 A. Järvik and Selectivity of Baltic herring trawls studied by the
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B:28 P. Suuronen Preliminary trials with a square mesh codend in herring Sess.U trawls

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B:31 E. Ona and Hull mounted, protruding transducer for improving echo Sess.R J. Traynor integration in bad weather

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B:33 E.J. Simmonds Sea bed following: efficient data collection for echo Sess.R and integration D.N. MacLennan

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B:35 Withdrawn.

B:36 Report on the joint session of the Working Groups on Fishing Technology and Fish Behaviour and on Fisheries Acoustics Science and Technology, Rostock, 25 April 1990

B:37 B. van Marlen A simulation model to determine the optimal freezing rate of a stern trawler for a given catch input
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B:38 A. Aglen and Swimming behaviour of fish schools in the North Sea Sess.R O.A. Misund during acoustic surveying and pelagic sampling trawling

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B:40 O.A. Misund Dynamics of moving masses variability in packing density and shape among pelagic schools
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B:46 B. Isaksen Codend with short lastridge ropes to improve size selectivity in fish trawls
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B:47 B. Isaksen, Reduction of fish by-catch in shrimp trawl using a solid separator grid in the aft belly
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B:48 N.R. Chessley Techno-economic analysis of fishing system developments
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B:49 Influence of the light of a survey vessel on TS distribution
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B:51 B. Isaksen, A comparison of the selectivity in codends used by Sess.U S. Lisovsky and
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D:25, D:34, G:32, J:13
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| C:2 | | Withdrawn. |
| C:3 | A.G. Kostyanoy and Yu.V. Stepanov | Mesoscale variability of hydrophysical fields generated by the Canary Current upwelling from the navigational and satellite observation data |
| C:4 | Ju.A. Vialov | Variabilité de rotation terrestre et des pêches |
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| C:23 | L. Sellmann | Interaction between the Greenland Sea gyre and the East Greenland Current at 75°N |
| C:24 | S.S. Kristmansson et al. | The Greenland Sea Project in the western Iceland Sea: current measurements and water masses in the Denmark Strait |
| C:25 | J.W. Nielsen and E. Buch | Geopotential anomaly fields and geostrophic velocity profiles in the western Iceland Sea |
| C:26 | J.C. Gascard and S.A. Malmberg | Circulation and hydrography in the Jan Mayen area |
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| C:29 | P. Gudmandsen | Satellite observation of polar seas |
| C:30 | T. Gytre and Ø. Østensen | A field intercomparison between an acoustic current profiler/ADCP and two Sarvonius type current meters |
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| C:33 | R. Rudloff | Application of remote sensing in hydrography and navigation |
| C:34 | C. Afonso Dias, M.H. Cavaco and J. Pissara | Observation of the Azores front in July 1987 and June 1989 |
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Climate change and marine fish distributions: analogies from seasonal and annual variability

C:37  P. Cornillon  
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SKAGEX 1990. Results from the nutrient intercalibration

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D - STATISTICS COMMITTEE

D: 1 Report of the Statistics Committee Liaison Working Group, Copenhagen, 21-22 November 1989


D: 3 Withdrawn.

D: 4 and D: 5 Withdrawn.

D: 6 V.V. Blinov To the methodology of modelling of the Barents Sea ichthyocenosis
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D: 7 V.V. Blinov The possibilities for modelling of oceanographic conditions of reproduction, spawning, and feeding migration paths for the northern stock of blue whiting in the North-East Atlantic
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D: 8 Withdrawn.

D: 9 D. Vasilyev Adaptive step cohort analysis

D: 10 and D: 11 Withdrawn.

D: 12 P. Petitgas A geostatistical variance of the total abundance estimate for a regular sampling grid

D: 13 J.M. Hoenig, W.G. Warren and M. Stocker Bayesian and related approaches to fitting stock production models

D: 14 K.H. Pollock, J.M. Hoenig and C.M. Jones Estimation of fishing and natural mortality when a tagging study is combined with port sampling

D: 15 J.M. Hoenig and M.H. Prager Can we determine the significance of key events on a recruitment time series? - A power study of superposed epoch analysis

D: 16 M. Soriano et al. New functions for the analysis of two-phase growth of juvenile and adult fishes, with application to Nile perch

D: 17 W.S. Warren and J.B. Dempson The precision of mark-recapture estimates under time interval stratification
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D: 18 W.G. Warren Classification without prior criteria illustrated with shellfish data
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D: 19 W.G. Warren Outliers, mixtures, and extending the Delta distribution for fisheries surveys

D: 20 W.G. Warren Median Polish kriging of marine populations

D: 21 P.A. Shelton, L. Fahrig and R.B. Billar Uncertainty associated with cod-capelin interactions: how much is too much?
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D:23  R.A. Myers  Setting quotas in a stochastic fishery
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D:24  R.A. Myers  The analysis of catch-at-age data in the presence of
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D:25  K.G. Foote  Definition of the problem of estimating fish abundance
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      B+H  G. Stefánsson

D:26  M. Azevedo,  First attempt to estimate fish distribution and
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      F. Cardador  data collected on a Portuguese groundfish survey (ICES
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D:27  E. Ferrandis  Effort and mortality in stochastic Brownian models for
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D:28  H. Gjøsæter  Schooling-by-size in the Barents Sea capelin stock
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      K. Korsbrekke

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D:32  P. Pallarés  LCA errors with recruitment fluctuations
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D:34  Ref.B+G+H+K  Report of the Study Group on the Applicability of
      Spatial Statistical Techniques to Acoustic Survey Data, Brest, 4-6
      April 1990

D:35  V.V. Blinov  A few points concerning VPA estimates when using short
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      redfish stock in the Irminger Sea

D:36  T. Polacheck  Analysis of spatial variability of Georges Bank haddock
      Ref.G  (Melanogrammus aeglefinus) from trawl survey data using
      and J. Volstad  a linear regression model with spatial interaction

REFERENCE PAPERS FOR THE STATISTICS COMMITTEE

E - MARINE ENVIRONMENTAL QUALITY COMMITTEE

E:1 Not available.

E:2 A.Y. Cantillo and J.M. Bewers
A catalogue of marine standards and reference materials

E:3 J.M. Bewers and R.J. Pentreath
Comparison of risks associated with marine fish consumption

E:4 O. Bagge et al.
Hypoxia and the demersal fish stock in the Kattegat (IIa) and Sub-division 22

E:5 Withdrawn.

E:6 S. Mellergaard and E. Nielsen
Fish disease investigations in Danish coastal waters with special reference to the impact of oxygen deficiency

E:7 M.N. Moore and M.G. Simpson
Molecular and cellular pathology in environmental impact assessment

E:8 Ref. Pub
Editor's Report on Techniques in Marine Environmental Sciences

E:9 I. Marthinsen and G. Staveland
Levels of mercury in flounder (Platichthys flesus L.) and cod (Gadus morhua L.) caught during the year 1988 in the Hvaler archipelago, southern Norway

E:10 J. de Boer et al.
Intercomparison exercise on the analysis of individual chlorobiphenyl congeners in marine media - first step: optimization of gas chromatographic conditions

E:11 A.D. Vethaak and T.A. Rheinallt
A review and evaluation of the use of fish diseases in the monitoring of marine pollution in the North Sea

E:12 D. Bucke and S.W. Feist
Marine fish diseases: an overview of 10 years investigations by MAFF (UK)

E:13 C.F. Fileman et al.
Dissolved and particulate trace metals in surface waters over the Dogger Bank, central North Sea

E:14 R.J. Law and M.D. Nicholson
The 4th round hydrocarbon intercomparison programme: preliminary assessment of Stage 1

E:15 R.G. Lees et al.
Benthic studies in relation to dredging activity off the Isle of Wight, southern England

E:16 G. Irion and G. Müller
Sedimentary processes in the North Sea as revealed from heavy metal distributions in sediment cores

E:17 S.M. Rowlatt et al.
Some effects of colliery waste disposal on sediment quality off the northeast coast of England
The toxicity of dichlorvos to some marine organisms

How to derive concentrations of chlorophyll, suspended matter, and gelbstoff from multispectral radiances of case II water?

On the frequency of left-sided individuals in European flounder (Platichthys flesus) populations in relation to pollution monitoring

Diseases of cod observed on Swedish surveys in the Baltic

Bioavailability of trace metals from marine sediments

Withdrawn.

Assessment of fish from the northern North Sea for oil taint

Environmental impact of fish farms in Scottish sea lochs

Quality assurance work in relation to the North Sea Task Force Monitoring Programme

Recovery of a sewage sludge dumping ground


Report on the interdisciplinary research project "Fish diseases in the Wadden Sea"

Cellular responses in fish liver as indicators for toxic effects of environmental pollution

Infestation of North Sea whiting (Merlangius merlangus L.) with externally visible parasites

The black spot disease in Cragon crangon L. of the German Bight

The use of mixed function oxidases (MFO) to support biological effects monitoring in the sea

A seabed source of artificial radionuclides
Draft Cooperative Research Report on the Effects of Extraction of Marine Sediments on Fisheries

Conclusions of the Critical Review of Baltic Sediments

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F:1 Report of Activities, 1989

F:2 E. Moksness and D. Stefanussen

F:3 Report of the Editor of the Disease Sheets

F:4 Withdrawn.

F:5 V.G. Martynov, N.K. Vorobieva and G.L. Gorshkova

F:6 Withdrawn.

F:7 J.-E. Juell

F:8 W.L. Silvert Sess.O et al.

F:9 J.E. Stewart et al.

F:10 I.E. Calcedo

F:11 Publications of interest to the Mariculture Committee, 1989-1990


F:15 Report of the Working Group on Genetics

F:16 Withdrawn.

F:17 R. Lauterbach

F:18 O. Fukuhara, et al.
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Antibacterial treatment procedures of eggs of halibut (Hippoglossus hippoglossus L.)

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Weaning trials with cod fry on artificial diets

Comparative growth and survival of two genetic strains of Atlantic cod (Gadus morhua L.) reared through the early life stages in a marine pond in western Norway

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F:53 T. Harboe et al. Age of Atlantic halibut (Hippoglossus hippocoglossus L.) larvae at first feeding

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F:55 D.M. Furevik et al. Migratory patterns of escaped farm-raised Atlantic salmon

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F:57 H. Rabben et al. Startfeeding success of halibut larvae as a function of temperature regime

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F:59 L.H. Skjolddal et al. Calculated growth rate of halibut larvae (Hippoglossus hippocoglossus L.) as a function of introduction time for Artemia sp.


F:61 T. Ness et al. Green water in larvae culture - an experiment with natural phytoplankton in tanks for first feeding of halibut larvae (Hippoglossus hippocoglossus L.)

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F:63 R. Nortvedt et al. A multivariate approach to investigate growth of Atlantic salmon parrs as a function of water quality in rearing tanks

F:64 R. Nortvedt Ref.M et al. Smoltification of Atlantic salmon in different water qualities and subsequent growth in seawater, following distinct transfer strategies from freshwater


F:66 J. Munro et al. Stress and osmotic performance of Atlantic cod (Gadus morhua) at low enrichment salinity

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F:68 G. Schneider, T. Jäger and H. Rosenthal Growing trout in global cages in an effluent plume of a coastal power station

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G:4 A.M. Ajiad
Sess.Q Trophic interrelation between length groups of Northeast Arctic cod in the southern part of the Barents Sea

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G:5 J. Gjøsæter, K.E. Jørstad and G. Nævdal
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G:6 A.V. Dolgov and N.A. Yaragina
Sess.O Daily feeding rhythms and food intake of the Barents Sea cod and haddock in the summer of 1989

G:7 M.V. Kovtsova and Y.M. Lepesievich
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G:8 M.S. Shevelev, A.E. Dorchkenkov and V.S. Mamylov
Soviet investigations of cod, haddock and redfish within the Barents Sea and adjacent waters in 1989

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G:10 G.P. Nizovtsev, M.V. Kovtsova and V.L. Tretyak
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Sess.O Food consumption rates among fish larvae belonging to different biological groups

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Sess.O Some features of fish food consumption estimates used by ecosystem modellers

G:18 H.B. Hernandez, P.F. Alíño and A. Jarre
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Estimation de la mortalité par pêche et rendement par recrue du lieu jaune (Pollachius pollachii) du plateau celtique

The consumption rate of North-East Arctic cod - a comparison of gastric evacuation models

Withdrawn.

Modelling environmentally induced change in growth for Atlantic Canada cod stocks

Effect of capelin biomass on cod growth

Concurrent exploitation of multiple stocks: a redfish simulation study

The result of the 1989 egg surveys for cod and plaice

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Annual check formation in otoliths as a starting point for ageing by means of computer analysis

Fishing patterns and yield variations

Stomach evacuation rates of cod and herring estimated from field data

Effects of trawling and longlining on the yield and biomass of cod stocks - numerically simulated

Cod and haddock in Faroese waters and possible climatic influences on them

Tank experiments on board: a useful tool for the estimation of stomach evacuation rates?

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G:60 Report of the Study Group on the Fecundity of Sole and Plaice in Sub-areas IV and VIII and Divisions VIId,e, Lowestoft, 18-21 September 1990

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Food and condition of dab (*Limanda limanda* L.) from the Dogger Bank and the German Bight

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G:65 O. Hagström, P.-O. Larsson and M. Ulmestrand
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Aspects of gastric evacuation in the Atlantic cod (*Gadus morhua* L.)

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Ideas for re-arrangement of Assessment Working Groups

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Report of Activities, 1989


A preliminary study of microstructure in otoliths of sea-caught mackerel (Scomber scombrus L.) larvae


Using GLM analysis on the IYFS herring data for the North Sea

Growth and maturation rate of Atlanto-Scandian herring in the 1950-1980s

Results of Soviet investigations on blue whiting in the Northeast Atlantic in spring 1989

Utilisation des informations satellitaires pour l'étude des particularités de répartition de la sardine dans l'Atlantique centre-est

Withdrawn.

Fish resources in oceanic areas of the North Atlantic

Etude du remplacement du contingent géniteur dans la population de chinchard, Trachurus symmetricus murphy (Nichols)


Distribution and growth of blue whiting in the North-East Atlantic

Some biological factors of blue whiting in the North-East Atlantic

Estimation of predation mortalities on capelin using a cod-capelin model for the Barents Sea

Larval distribution patterns: evidence for the collapse/recolonisation of Atlantic herring on Georges Bank

Atlantic mackerel egg production and spawner biomass estimates for the Gulf of St. Lawrence and Northeastern US waters, 1987
H:19 M.A. van der Ref.L Land Distribution and mortality of pelagic eggs of by-catch species in the 1989 egg surveys in the southern North Sea
H:20 A. Eltink Ref.L Horse mackerel egg production and spawning stock size in the North Sea in 1989
H:21 A. Corten Ref.L Sess.S The choice of target fishing mortality in herring fisheries
H:22 and H:23
H:25 Amor Sola et al. Seasonal occurrence of pelagic fish eggs and larvae in the Cantabrian Sea (VIIc) and Galicia (IXa) from 1987 to 1989
H:26 L. Motos and Ref.L J. Santiago An egg production estimate of biomass of the Bay of Biscay anchovy, Engraulis encrasicholus L. in 1989
H:28 Withdrawn.
H:29 L. Motos et al. Results of the 1989 AZTI-SIO egg surveys on mackerel, Scomber scombrus, and horse mackerel, Trachurus trachurus
H:30 E. Kjørsvik et al. On the inter-tidal spawning of Balsfjord herring (Clupea harengus)
H:31 M. Walsh et al. Estimation of total potential fecundity and atresia in the Western mackerel stock 1989
H:34 J.A. Jacobsen A survey on herring south of the Faroes in June 1990
H:36 J. Castro Sess.Q et al. Trophic relationships between skipjack tuna (Katsuwonus pelamis), chub mackerel (Scomber japonicus), and silversides (Atherina presbyter) in the area of the Canary Islands
H:37 M. Meixide Results of the blue whiting otolith exchange
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Results of research on blue whiting to the west of the Irish coast in spring 1989

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J - BALTIC FISH COMMITTEE

J:1 Report of Activities, 1989

J:2 List of Publications related to the interests of the Baltic Fish Committee

J:3 R. Aps, L. Ustinova and B. Gentzen
Allometric growth of the Baltic sprat otoliths

J:4 R. Aps et al.
Application of image analysis system in sprat otolith studies

J:5 T. Raid
On herring reproduction in the northeastern Baltic

J:6 S. Shirokov
Dynamics of maturation of the Baltic sprat

J:7 L. Ustinova
Growth of the juvenile Baltic sprat

J:8 R. Aps
A century of Baltic sprat biology investigations: stock identification, recruitment, otoliths

J:9 R. Aps et al.
Microstructure of the Baltic cod otoliths

J:10 T.I. Bulgakova and G.B. Grauman
A model for the embryonal period in the Baltic cod life history

J:11 M. Plikshs and E. Gradalev
Acoustic survey of the spawning stock of cod in the Eastern Baltic in 1989

J:12 W. Weber and U. Damm
Investigation on cod stomachs in the Western Baltic

J:13 K.-J. Stehr and Th. Neudecker

J:14 K. Krenkel
Preliminary results of fecundity investigations of R-Rügen spring-spawning herring in 1988 and 1989

J:15 N. Schulz
A new attempt to calculate consumption rates for cod (Gadus morhua) in the western Baltic

J:16 O. Rechlin
On the separation of catch projections for a stock with seasonal fisheries in different areas: herring assessment unit Division IIIa and western Baltic Sea

J:17 M. Hilden and P. Kultalahti
Structural changes in the Finnish trawl fishery in the 1980s and the identification of fishing strategies

J:18 W. Grygiel
The trends in Polish sprat landings and sprat biological characteristics in the Southern Baltic in the 1981-1986 period

J:19 P. Margonski
Some aspects of straight-nosed pipefishes' (Nerophis ophidion L.) biology in the Gdansk Bay
Cod migrations in Southern Baltic

Results of morphometric investigations on herring otoliths from the Western Baltic using an image analyser

Changes in growth of Western Baltic herring from 1982 to 1989

Community structure and niche relationships of young and small fish communities within the shallow water areas of a Baltic bay

The herring swimbladder and salinity; a comparison of Baltic and Norwegian spring-spawning herring

Estimation of Baltic cod eggs and larvae drift by two-layer, two-dimensional linear flow model

Estimation of changes in the abundance of Baltic herring and sprat stocks by combined hydroacoustic-trawl surveys in the Gulf of Finland in autumn, winter, and spring

Report of the Study Group on Young Fish Surveys in the Baltic, Tvärminne, Finland, 3-7 September 1990

Ovarian maturation and batch fecundity in Baltic sprat from the Bornholm Basin, 1988

The fecundity of herring in the northern Baltic Sea

Withdrawn.

Withdrawn.

Report of the Planning Group for Hydroacoustic Surveys in the Baltic, Copenhagen, 17-18 April 1990

Acoustic estimates of the herring and the sprat stocks in the Baltic proper October 1989

The landings per unit effort of cod, plaice, flounder, dab, turbot, and brill in the western Baltic 1963-1989 as estimated from the Bagenkop fleet

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E:4, E:21, G:29, G:30, G:52
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K:1 Report of Activities, 1989

K:2 Gro I. van der Meeren et al. Large-scale release experiment of juvenile lobsters, Homarus gammarus, in Norway

K:3 A. Nicolajsen and H. Eiriksson A preliminary report on the reproductive cycle of Nephrops norvegicus at the Faroes

K:4 B.I. Berenboim, A.I. Mukhin and G.K. Sheveleva Soviet investigations of shrimp, Pandalus borealis, in the Barents Sea and off the Spitsbergen area in 1989

K:5 Withdrawn.

K:6 I.S. Wehrtmann Larval production of Crangon septemspinosa in waters adjacent to Chesapeake Bay, USA, in relation to oceanographic conditions

K:7 I.S. Wehrtmann and C. Stagg Distribution of Crangon septemspinosa larvae off Chesapeake Bay, USA: a comparison of field data and the results of a larval transport model

K:8 and K:9 Withdrawn.

K:10 C.C.E. Hopkins, J.R. Sargent and E.M Nilssen Total lipid content, and lipid and fatty acid composition of the deep-water prawn Pandalus borealis from Balsfjord, northern Norway: growth and feeding relationships

K:11 A. Bodoy et al. Mass mortalities of oysters (Crassostrea gigas) during the spring 1988 in the Bay of Marennes-Oléron (Atlantic coasts of France), related with environmental problems

K:12 Withdrawn.

K:13 R.C.A. Bannister et al. The 1989 results from a lobster stock enhancement experiment on the east coast of England

K:14 P. Walker, Sess.P. P.J. Dare and E. Clark The potential of aerial photography for estimating intertidal stocks of mussels (Mytilus edulis) in the Wash, England

K:15 A.M. Caramelo and G. Pestana An assessment of the shellfish Portuguese fishery (ICES Division IXa) and management strategies results

K:16 Publications of interest to the Shellfish Committee, 1990

K:17 Gro I. van der Meeren Foraging activity in common shore crabs, Carcinus maenas on a blue mussel bed

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L:2 J.H. Cowan, Jr. and E.D. Houde Estimates of relative predation potential by medusae, ctenophores and fish on ichthyoplankton in Chesapeake Bay

L:3 E.D. Houde Temperature-dependent and size-dependent variability in vital rates of marine fish larvae


L:5, L:6, and L:7 Withdrawn.

L:8 R. Ian Perry et al. The Georges Bank frontal system: mechanisms of plankton retention or dispersal

L:9 Withdrawn.

L:10 H. Auf dem Venne Distribution of auto-, mixo, and heterotrophic plankton ciliates in the Greenland Sea in late spring and fall 1988

L:11 Y. Desaunay Foster et al. ZEBULON, a simple suprabenthic sampling gear for ichthyoplankton studies over the continental shelf

L:12 E. Marchal, F. Gerlotto and B. Stequert Scattering layer of micronekton, thermal structure and tuna abundance in the Atlantic equatorial current system

L:13 K. Richardson and A. Christoffersen Annual distribution and production of phytoplankton in the southern Kattegat

L:14 B. Reguera, I. Bravo and S. Fraga Distribution of Dinophysis acuta at the time of a DSP outbreak in the Rias of Pontevedra and Vigo (Galicia, NW Spain)

L:15 M.E. Huntley Physiological rate measurements of zooplankton production rates - Beyond this broken promise

L:16 Withdrawn.

L:17 D.V. Holliday et al. Acoustic assessment of zooplankton in the Irish Sea

L:18 P. Juel Hansen The annual cycle of heterotrophic dinoflagellates in the Kattegat; with emphasis on the trophic role in the marine microbial food web

L:19 T. Gissel Nielsen Contribution of zooplankton grazing in the decomposition of a Ceratium bloom
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Benthic activity and respiration in a northern Norwegian fjord in late autumn

Egg production rates of *Calanus finmarchicus* in the Gulf of St. Lawrence

List of publications of interest to the Biological Oceanography Committee, 1989

Mass mortality of spring spawning herring eggs in Scottish waters

Efficiency measurements of Gulf III and HAI plankton samplers in a towing tank

Respiration and excretion rates of copepods from the Northwest Atlantic Ocean

Size distribution analysis of zooplankton biomass using image analysis

Report of the Editor of the Plankton Identification Sheets

Simplified trophic interactions in the Northern Patagonia and Bonaerensis area in the Southwest Atlantic

Trophic dynamics in a gravel pit lake ecosystem

Fisheries productivity modelling of Maputo Bay, Mozambique

Trophic flows and organic matter budget, Gulf of Mexico continental shelf

REFERENCE PAPERS FOR THE BIOLOGICAL OCEANOGRAPHY COMMITTEE

Report of Activities, 1989


ICES Compilation of Microtag, Finclip, and External Tag Releases in 1989

Temperature effects on otolith daily increment deposition in striped bass and white perch

Comparative characteristics of developing eggs and early life stages of Atlantic salmon (Salmo salar L.) from different rivers

Dynamics of biochemical indices for reared juveniles of Atlantic salmon (Salmo salar L.) during smoltification

Atlantic salmon of the River Tuloma as the salmon stock index of the Barents Sea basin

Simulation model of Atlantic salmon population

List of publications related to the interests of the Anadromous and Catadromous Fish Committee, 1989

The analytical hierarchy process as a tool for analysing the perceptions of the salmon management problem in Finland

Efficiency of stocking small streams with the sea trout (Salmo trutta L.) hatch of different age

Experimental tagging of young salmon (Salmo salar L.) and sea-trout (Salmo trutta L.) with different types of the Carlin tag

Coded wire microtagging of Atlantic salmon (Salmo salar L.) in Newfoundland, Canada

A model of survival and growth of striped bass larvae, Morone saxatilis, in the Potomac River, 1987

Relative decline of sample total weight in seawater challenge tests as a smolt quality criterion

A technique for tracking Atlantic salmon (Salmo salar L.) smolts through estuaries

A telemetric tracking system for high-resolution monitoring of fish movements
Recoveries of coded wire microtags from salmon caught at West Greenland in 1989

Attempts of using the discriminant function based on scale structure of Baltic salmon to distinguish between the wild and hatchery-reared smolts

Salmon stocks and management advice - assessing the assessment reports

A polymorphism in the ribosomal RNA genes distinguishes Atlantic salmon (Salmo salar L.) from North America and Europe

REFERENCE PAPERS FOR THE ANADROMOUS AND CATADROMOUS FISH COMMITTEE

D:17, F:51, F:55, F:64, F:75
Report of Activities, 1989

Rapport annuel sur les Cétacés et Pinnipèdes trouvés sur les côtes de France en 1989

Variation de fréquence chez les Cétacés échoués sur les côtes de France au cours des 10 dernières années 1980-1989

The abundance and state of the stock of harp seals and hooded seals in the Greenland Sea

Distribution and abundance of cetaceans in Icelandic and adjacent waters during sightings surveys July-August 1989

Harp seal (Phoca groenlandica) invasions in north Norwegian coastal waters: a preliminary report on age composition and feeding habits

Withdrawn.

Squid in the diet of sperm whales off the Azores

Les mammitères marins du nord de l'Espagne en 1989

A review of the distribution, migrations, food, reproduction, exploitation and present abundance of humpback whales (Megaptera novaeangliae) in the Northeast Atlantic

The effect of invading harp seals (Phoca groenlandica) on local coastal fish stocks of North Norway

Organochlorines in Baltic seals in 1980s

Les populations de phoques dans le Golfe de Finlande au cours des années 1980


List of publications of interest to the Marine Mammals Committee, 1989

Withdrawn.
First record of fish intermediate hosts of *Contracaecum* spp. larvae, probably *C. osculatum*. Rudolphi 1802, an anisakine nematode maturing in pinnipeds, in the German Wadden Sea.

YoNAH: years of the North Atlantic humpback whale. A proposal for discussion.

Withdrawn.
MINI-SYMPOSIUM ON BENTHIC ECOLOGY OF THE NORTH SEA

Mini:1 A. Eleftheriou Planning and execution of the North Sea Benthos Survey and C. Heip

Mini:2 A. Küntitzer et al. The benthic infauna of the North Sea: species distribution and assemblages


Mini:4 H.L. Rees et al. Spatial and temporal trends in the benthos and sediments in relation to sewage sludge disposal off the northeast coast of England

Mini:5 U. Niermann Oxygen deficiency in the southeastern North Sea in summer 1989

Mini:6 A. Eleftheriou The sedimentary environment of the North Sea

Mini:7 P.F. Kingston Impact of offshore oil production installations on the benthos of the North Sea

Mini:8 R. Huys and C. Heip Meiofauna of the North Sea Benthos Survey

Mini:9 G. Duineveld and C.J. van Noort Geographical variation in the epifauna of the southern North Sea and adjacent regions

Mini:10 C. Heip et al. Statistical analysis and trends in biomass and diversity of North Sea macrofauna

Mini:11 M. Bergman et al. Direct effects of commercial beamtrawl fishing on benthic fauna in the North Sea

REFERENCE POSTER FOR THE MINI-SYMPOSIUM

L:103 C. Noji, T. Noji and K.G. Barthel Benthic activity and respiration in a northern Norwegian fjord in late autumn
PAPERS AND POSTERS FOR THEME SESSIONS

The Consumption Rate in Marine Fish (Q) Convener: Mr. H. Sparholt, (Denmark)


Remote Sensing Applications in Monitoring Programmes (P) Convener: Dr R. Dörffer (Federal Republic of Germany)

B:13, C:11, C:12, C:14, C:15, C:29, C:33 (Poster), C:37, C:41, C:42, E:19, H:9, K:14, L:94

Poster Session on Trophic Models of Marine Ecosystems (Q) Conveners: Dr. D. Pauly (Federal Republic of Germany) and Mr. V. Christensen (Denmark)


Acoustic Methods (R) Convener: Dr J. Traynor (USA)

B:2, B:4, B:9, B:10, B:11, B:12, B:21, B:22, B:23, B:24, B:30, B:31, B:33, B:38, B:40, B:41, B:49, B:50, J:26, L:12, L:17 (Ref. from Session V: L:81)

ACFM and Associated Working Group Reports (S) Convener: Mr. D. de G. Griffith, (Ireland)

Assess:1 to Assess:25 included, and Assess:28 and 29; G:10, G:70, H:3, H:21, M:12

ACMP and Related Working Group Reports (T) Convener: Mr J. Jakobsson (Iceland)

Poll:1 to and including Poll:7; C:8, E:28, F:12, F:13, N:14

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

B:3, B:14, B:26, B:27, B:28, B:34, B:46, G:54, G:55

Recent Developments in the Measurement of Zooplankton Production Rates and Biomass Characteristics (V) Conveners: Dr J. Gamble (UK) and Mr H. Skjolddal (Norway)

ACFM - ADVISORY COMMITTEE ON FISHERY MANAGEMENT

ACFM:1* Agenda, ACFM Consultations at the 1990 Statutory Meeting, 3 October 1990

ACFM:2* Draft Agenda, ACFM, 30 October - 7 November 1990

ACFM:3* Draft Proposal from ACFM: Terms of Reference for ACFM and Assessment Working Groups in 1991

*For the relevant Committee only.
ASSESSMENT WORKING GROUPS REPORTS 1990

Assess:1 Report of the Working Group on Multispecies Assessment of Baltic Fish, Moscow, 4-8 September 1989
Assess:2 Report of the Irish Sea and Bristol Channel Working Group, Copenhagen, 13-19 September 1989
Assess:4 Report of the Arctic Fisheries Working Group, Copenhagen, 19-28 September 1989
Assess:5 Report of the Atlantic-Scandian Herring and Capelin Working Group, Copenhagen, 16-20 October 1989
Assess:6 North Sea Flatfish Working Group, Copenhagen, 20-26 October 1989
Assess:10 Report of the Division IIIa Demersal Stocks Working Group, Copenhagen, 28 February - 6 March 1990
| Assess:20 | Report of the North-Western Working Group, Copenhagen, 1-8 May 1990 |
| Assess:29 | ACFM comments on stock assessment working group reports: a supplement (for working groups) to the ACFM minutes of November 1989 and May 1990 |
ACMP - ADVISORY COMMITTEE ON MARINE POLLUTION

| ACMP:1* | Agenda for the Advisory Committee on Marine Pollution - Consultations Meeting, 3 October 1990 |
| ACMP:2* | Work Programme from the Oslo and Paris Commissions |
| ACMP:3* | Requests from the Helsinki Commission |
| ACMP:4* | Tasks for Study/Working Groups reporting to ACMP |
| ACMP:5* | Report on the Statistical Analysis of CMP Data on Contaminants in Fish Liver and Mussels |
| ACMP:6* | Critical Review of Contaminants in Sediments |
| ACMP:7* | Results of the ICES Baseline Study on Trace Metals in Coastal and Shelf Waters |

*For the relevant Committee only.
## POLLUTION-RELATED WORKING GROUP REPORTS

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