



CONTRIBUTIONS TO BE PRESENTED AT THE 79TH STATUTORY MEETING

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- Gen:2 ICES activities in 1990/1991
- Gen:3 Election of standing scientific Committee Chairmen at the 79th
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- Gen:4 Advance Release of Tables 1-6 of Bulletin Statistique, Vol. 75,
1990
- Gen:5 Report of the Inter-Committee Recruitment Group, 29 September 1991

(E+F) = in English and French.

DEL - DELEGATES DOCUMENTS

- Del:1* Audited Income and Expenditure Accounts for the Financial Year 1989/1990 with Balance Sheet at 31/10 1990
- Del:2* Preliminary report on administration for the year 1 November 1990 to 31 October 1991
- Del:3* Report on Activities, 1991
- Del:4* Estimated accounts for the financial year 1990/1991
- Del:5* Draft budget for the financial year 1991/1992 (E+F)
- Del:6* Revised Draft forecast budget for the financial year 1992/1993
- Del:7* Elections and appointments by the Council at the 79th Statutory Meeting (E+F)
- Del:8* Report on the ICES-OSPARCOM-HELCOM Inter-Secretariat meeting
- Del:9* Draft Guidelines and criteria governing the observership of other international organizations at meetings of the International Council for the Exploration of the Sea
- Del:10* Requests for observer status from two non-governmental organizations
- Del:11* Enhancing the interdisciplinary role of ICES
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- Del:12* Progress in the work of the North Sea Task Force
- Del:13* Financial contributions to ICES from Commissions or other entities for advisory and data handling services
- Del:14* Agreeent on Cooperation between ICES and the Commission of the European Communities
- Del:15* Financing ICES Intercomparison Exercises: special reference to the current exercise for chlorobiphenyls in marine material
- Del:16* Report on the Eighth Dialogue Meeting, Gdynia, Poland, 13-14 September 1991
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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

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Pub:2* Publication activities in 1990/1991

Pub:3* Sale of ICES publications during the last three years

Pub:4* Report from the Editors of ICES Journal of Marine Science for the ICES Year 1990/91

Pub:5* ICES Journal of Marine Science: Publications report by Academic Press

Pub:6* Inventory on production, sales, and distribution of the major ICES publications

REFERENCE PAPERS FOR THE PUBLICATIONS COMMITTEE

E:15, F:49, L:68

*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, 23-24 May 1991
- A:3* Minutes of ACFM Meeting, ICES Headquarters, 30 October - 7 November 1990
- A:4* Minutes of ACFM Meeting, ICES Headquarters, 14-22 May 1991
- A:5* Future ICES Symposia
- A:6* Minutes of ACMP Meeting, ICES Headquarters, 4-13 June 1991

REFERENCE PAPER FOR THE CONSULTATIVE COMMITTEE

- Del:11* Enhancing the interdisciplinary role of ICES
- Del:16* Report on the Eighth Dialogue Meeting, Gdynia, Poland, 13-14 September 1991

* for the relevant
Committee only

B - FISH CAPTURE COMMITTEE

- B:1 Report of Activities, 1990
- B:2 H. Bohl Doubtful improvement of the selectivity of herring mid-
Ref.H and E. Dahm water trawls by means of square mesh codends and con-
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- B:3 K. Lange Wind tunnel test with cambered V-doors of increased aspect
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- B:4 H. Stengel Investigation of the hydrodynamic load of nettings in the
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- B:5 E.P. Nunnallee An investigation of the avoidance reactions of Pacific
Sess.U whiting (Merluccius merluccius) to demersal and midwater
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- B:6 V.D. Tesler The calculation of acoustic sampling volume in echo count-
Sess.X ing: some results of simulation
- B:7 R.P. Briggs Whiting conservation in the Northern Ireland Nephrops
Ref.G+K fisheries
- B:8 L. Volovova Stability in 'guiding' of fish during feeding period in
Ref.M the sea; the statistics matrix-model
- B:9 V. Volkov and Registration of marine biological objects by hydroacoustic
Ref.F L. Vololova topography method
- B:10 V. Shabalin The sensibility of fishes to the high frequency hydro-
acoustic and electromagnetic fields
- B:11 V. Shabalin About mechanisms of the catches increasing by acoustic
stimulation on the long-line light-fishing of squid, T. pacificus
- B:12 L.K. Tolsto- On practical implementation of bioacoustic signals of
genova water animals
- B:13 A. Weill and Movies B: a new software for school characterization
N. Diner
- B:14 Withdrawn.
- B:15 F. Gerlotti Some elements on time variability in acoustic surveys
Sess.X and through the example of a single transect repeated during
P. Petitgas 24 hours
- B:16 A. Järvik and Some results on herring selectivity in diamond and hexa-
Ref.J P. Suuronen gonal mesh pelagic trawls
- B:17 P. Suuronen The effects of a rigid grating on the selection and
Ref.J et al. survival of Baltic herring - preliminary results
- B:18 T.W. Boon Variability in bottom trawl performance and its effect on
Sess.U groundfish survey abundance indices

- B:19 F. Veenstra and N. Mul IQAS flatfish processing on board Beamer 2000
- B:20 A.M. Buijs and A.M. van der Sluijs Bridge layout Beamer 2000
- B:21 H. de Jong and B. van Marlen Model research on a single-door trawl at Lake Insko in 1990
- B:22 B. van Marlen Selectivity of fishing gears in wider perspective
- B:23 W. Bleil
Sess.X Investigations on applicability of hydroacoustic methods for freshwater species in shallow water regions on the German Baltic coast
- B:24 A. Biseau
Sess.P
Poster Relationships between fishing powers and some vessel characteristics commonly used to estimate 'fishing capacity'. Examples of the Celtic Sea French fishing fleets
- B:25 A. Biseau
Sess.P
Poster Use of fishing powers to estimate strategic choices of the Celtic Sea French fishing fleets
- B:26 J. Masse and
Sess.X C. Rouxel Improvement in acoustic assessments by discrimination of pelagic shoals with INES/movies system
- B:27 H. Dominique
Ref. et al.
G+K Etude de l'impact des engins de pêche trainants en zone côtière. Cas particulier du chalutage en Baie de Saint-Brieuc (Manche ouest)
- B:28
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Sess.S Report of the Working Group on Fishing Technology and Fish Behaviour, Ancona, Italy, 22-24 April 1991
- B:29 Report of the Working Group on Fisheries Acoustic Science and Technology, Ancona, Italy, 24-27 April 1991
- B:30 Report of the Joint Session of the Working Group on Fishing Technology and Fish Behaviour and Working Group on Fisheries Acoustic Science and Technology, Ancona, Italy, 25 April 1991
- B:31 K.G. Foote Comparison of two 120-KHZ split-beam transducers
- B:32 Withdrawn.
- B:33 K.G. Foote
Sess.U Abundance estimation of pelagic fish stocks by acoustic surveying
- B:34 K.G. Foote
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- B:35 O.A. Misund
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Sess.X School geometry measurements using sonar. Accuracy and algorithm for detection

- B:37 E. Ona Vessel heave, an index for air bubble attenuation corrections
- B:38 Withdrawn.
- B:39 A. Engås and Sess.U E. Ona A method to reduce survey bottom trawl variability
- B:40 S.Løkkeborg Ref. et al. D+G+J Effects of a geophysical survey on catching success in longline fishing
- B:41 A. Engås et al. Avoidance reactions of ultrasonic tagged cod during bottom trawling in shallow water
- B:42 Withdrawn.
- B:43 S. Floen Sess.X et al. A PC-based echo integrator system with applicable for school structure analysis
- B:44 A. Engås et al. Scale damage and survival of cod and haddock escaping from a demersal trawl
- B:45 A. Bjordal Ref.K et al. Effect of attractant distribution on catch rate and size selection of Norway lobster caught by pots
- B:46 S. Løkkeborg et al. Size selective effects of a plastic body on longline hooks
- B:47 J.A. Jacobsen Size selectivity in bottom trawls with shortened lace ropes
- B:48 Withdrawn.
- B:49 D.G. Reid and Sess.U E.J. Simmonds The application of image analysis techniques to the study of fish school structure using acoustic survey data
- B:50 M. Ulmestrand Ref.G+K Experiments with square mesh window in the top panel of a Nephrops trawl
- B:51 Ref.G+H+J Report on evaluation of inconsistency in fishing power in particular with the GOV trawl
- B:52 R. Fonteyne Comparisons between the covered codend method and the twin trawl method in beam trawl selectivity experiments
- B:53 J. Dalen and H. Bodholt Deeptowed vehicle for fish abundance estimation, concept and testing
- B:54 E.J. Simmonds Sess.X et al. Survey design and analysis procedures: a comprehensive review of good practice
- B:55 N.G. Cadigan Ref.D and R.B. Millar The reliability of selection curves obtained from trouser trawl or alternate haul studies
- B:56 R.B. Millar Ref.D Estimation of asymmetric selection curves for trawls

- B:57 R.B. Millar Estimating the size-selectivity of fishing gear by con-
Ref.D ditioning on the total catch: the SELECT
- B:58 J.P. Hillis Square mesh experiments in the Irish Sea
et al.
- B:59 P.A.M. Stewart Influence of gear and environmental factors on catches in
Sess.U et al. Scottish young fish surveys

REFERENCE PAPERS FOR THE FISH CAPTURE COMMITTEE

D:40, G:59, H:9, J:12, K:10 (Poster), K:40

- C:20 T. Gytre and Ø. Østensen Field experiences with a new miniature vector averaging current meter
- C:21 T. Gytre A new system for automatic STD data acquisition from random positioned observers
- C:22 T. Gytre Voice controlled form filling
Ref.D
- C:23 Withdrawn.
- C:24 H. Dooley North Atlantic-Norwegian Sea exchanges. The ICES NANSEN et al. Project: an overview
- C:25 B. Hansen Satellite-tracked drogue paths over Faroe Bank and the et al. Faroe-Iceland Ridge
- C:26 H.Dahlgaard Observations of radioactive tracers in Faroese waters et al.
- C:27 V.D. Boytsov Physical and chemical characteristics of waters west of et al. the British Isles in spring 1991
- C:28 G. Kattner Interannual variability of the nutrient regime in the et al. Greenland Sea
Sess.R
- C:29 Withdrawn.
- C:30 B. Rudels The Arctic ocean component in the Greenland Scotland et al. and overflow
D. Quadfasel
- C:31 J. Sildam Covariability of biomass, temperature and salinity et al. distribution in the region of the East Greenland polar front: viewed in terms of potential vorticity dynamics
Sess.R
- C:32 Report of the Working Group on Oceanic Hydrography, Hamburg, 18-20 April 1991
- C:33 Report of the Study Group on Baltic Sea Modelling, et al. Leningrad, June 1991
Ref.J
- C:34 J. Heilmann The potential of the Jutland coastal current as a trans- et al. porter of nutrients to the Kattegat
J. Heilmann
- C:35 P.F. Linden The response of a shelf front to unsteady forcing et al. and D.A.
Sess.Q Smeed
- C:36 B.Sæmundsson Greenland Sea Project, 1987-1990 et al. GSP Group
Sess.R
- C:37 S.Aa.Malmberg Hydrographic observations in the Iceland Basin, 1977, 1978 and 1980
- C:38 ICES Hydrographer's Report.
et al. Hydrographer

- C:39 J. Piechura The inflow waters in the Bornholm Deep (as observed in
Ref.J et al. March 1991)
- C:40 K.F.Drink- The Georges Bank frontal study
Sess.Q water et al.
Poster
- C:41 D.J. Ellett Norwegian Sea Deep water overflow across the Wyville-
Thomson ridge during 1987-1988
- C:42 J.F. Read Subarctic intermediate water in the eastern North Atlantic
and
D.J. Ellett

REFERENCE PAPERS FOR THE HYDROGRAPHY COMMITTEE

G:78, H:5, H:12, J:15, J:39, L:10, L:24, L:50, L:77, L:79, L:82, Poll:4, Poll:5

D - STATISTICS COMMITTEE

- D:1 R.R. Claytor Index programs: their value in southern Gulf of St.
Sess.U et al. Lawrence fish stock assessments
- D:2 V.V. Blinov A probabilistic approach to assess time-dependent
Sess.U catchabilities of a stock
- D:3 V.M. Borisov Use of conditional and real coefficients of mortality for
Sess.U retrospective estimation of the year-class abundances
- D:4 P. Fréon CLIMPROD: interactive software for choosing and fitting
Poster et al. surplus production models including environmental
variables on IBM PC and compatibles
- D:5 F. Fuchs An expert system for analysing relationships between fish
and environment
- D:6 Withdrawn.
- D:7 J.T. Finn Sensitivity analyses of multispecies assessments and
Ref.G et al. predictions for the North Sea
- D:8 M.J. Fogarty A generalized multispecies delay difference model
and A.A.
Rosenberg
- D:9 G. Stefánsson Analysis of groundfish survey data: combining the GLM and
delta approaches
- D:10 A. Caveri- Some methodological considerations on the trawl surveys
Sess.U viere carried out in West Africa
- D:11 M.D. Nichol- The interactions between fish distribution, survey design,
son et al. and analysis
- D:12 M.M. McBride Estimation of unreported catch in a commercial trawl
Ref.G fishery
- D:13 E. Ona Using acoustic surveys to improve the precision of bottom
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- D:14 M. Pennington Assessing the effect of intra-haul correlation and
and variable density on population estimate from marine sur-
J.H. Vølstad veys
- D:15 B. Bogstad An evaluation of survey design for estimating the food
Ref.G et al. consumption by fish
- D:16 G. Conan and Modélisation de la sélectivité des chaluts à langoustine
Ref.K F. Sarda (Nephrops norvegicus du type "bou" Catalan
- D:17 N. Daan Bias in virtual population analysis when the unit stock
Sess.S assessed consists of sub-stocks

- D:18 J.A.Pereiro Effects of length/age variability on LCA
and
P. Pallarés
- D:19 S. Gavaris Experience with the adaptive framework as a calibration
Sess.U tool for finfish stock assessments in CAFSAC
- D:20 Withdrawn.
- D:21 A. Rudenko Forecasting of the fishing conditions through an automated
Sess.P et al. informative-forecasting scheme
Poster
- D:22 R.M. Cook Changes in the precision of short term forecasts under
Sess.S different levels of exploitation
- D:23 D.N. MacLen- Fishing mortality and the variation of catches: a time
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S
- D:24 J.S. Ault A length-based numerical model for simulating resource
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Rothschild
- D:25 J.A. Ault A nonlinear biodynamic model for age-structured multi-
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- D:26 B.J. Roths- FISHMAP - An expert decision support system for efficient
child et al. fish sampling and stock assessment
- D:27 O.L. Pape Manage your fisheries
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- D:28 S. Fifas Age composition of catches from the scallop stock (Pecten
Ref.K and maximus L.) in the Saint-Brieuc Bay (English Channel,
M. Jezequel France). Estimation of variances and bias. Stochastic
virtual population analysis
- D:29 I. Peronnet Applying fishing strategies typology to sampling discards
Ref.G of commercial species: theory and applying to the mixed
fisheries of the Celtic Sea and the Bay of Biscay
- D:30 J.M. Hoenig A practical approach to risk and cost analysis of fishery
Sess.S et al. management options, with application to Northern cod
- D:31 V.R.Restrepo Using simulation to quantify uncertainty in sequential
Ref.H et al. population analysis and derived statistics, with
application to the North Atlantic swordfish fishery
- D:32 C.A. Rocha Defining species specific effort
Sess.P et al.
Poster
- D:33 J. Horbowy An attempt to use the Cagayan model to assess the biomass
Ref.J and
J. Netzel of Baltic cod stock in Sub-divisions 25-32
- D:34 R.A. Myers The reliability of recruitment time series
Ref.L et al.

- D:35 J. Gröger A pattern recognition algorithm used as a procedure of re-stratification for fishery surveys
- D:36 L. Fahrig Evaluation of stock protection strategies based on areal quotas
- D:37 ICES Progress Report, 1990/1991
Statistician
- D:38 J. Gröger A modular probability model for numerical simulation of fishery surveys
- D:39 A. Sinclair Analysis of research survey catch-at-age data using a
and multiplicative model
G. Chouinard
- D:40 Report of the Workshop on the Application of Spatial
Ref.B+H Statistical Techniques to Acoustic Survey Data, Reykjavik,
5-9 September 1991

REFERENCE PAPERS FOR THE STATISTICS COMMITTEE

B:40, B:55, B:56, B:57, C:22, H:28, K:17, K:22, K:32, K:37, Poll:2

- E:20 H. Gaul and U. Ziebarth Temporal and spatial trend of organic micropollutants in sea water in the North Sea and the Baltic Sea
- E:21 G. Dahlmann Information on incidents related to nonylphenol
- E:22 U. Damm Movements of dab in the German Bight and Southern Bight: results of German and Dutch tagging experiments in 1988, 1989
Ref.G et al.
- E:23 M.N. Moore An experimental study of potential molecular and cellular biomarkers of early onset contaminant effect in the livers of flatfish
et al.
- E:24 A.R. Stebbing The assimilative capacity concept: reasons for care in its application
- E:25 E. His and F. Quiniou Estimation de la qualité biologique de l'eau sur le littoral Atlantique du sud-ouest de la France à l'aide des tests de croissance des larves de Mytilus edulis
Ref.K
- E:26 F. Quiniou and F. Toularastel Mesure de l'effet biologique de la qualité d'un milieu par le bioessai embryon de bivalve marin
- E:27 A. Kenny An interregional comparison of gravel assemblages of the English east and south coasts
et al.
- E:28 J.D. de Armas Heavy metals distribution in the sediments of the Gulf of Cadiz (Spain)
et al.
- E:29 J.E. Portmann ACMP's approach to environmental management and protection

REFERENCE PAPERS FOR THE MARINE ENVIRONMENTAL QUALITY COMMITTEE

C:1, C:2, F:8, F:56, J:39, K:44, K:56, L:73, N:2, Poll:1-Poll:7

F - MARICULTURE COMMITTEE

- F:1 Report of Activities, 1990
- F:2 Report of the Working Group on Mass Rearing of Juvenile Marine Fish, Ghent, Belgium, 31 August - 2 September 1991
- F:3 K. Ruohonen et al. Daily feed intake estimates for rainbow trout (Oncorhynchus mykiss Walbaum) evaluated with SONAR and X-ray techniques at commercial scale net cage farms
- F:4 Report of the Study Group on the Potential for Culture of Species
- F:5 T.A.Karaseva On prophylaxis and treatment of the Atlantic salmon (Salmo
Sess.0 and salar L.) papillomatosis
A.M.Bezkroyny
- F:6 T.A.Karaseva Experience in treatment of Streptococcus sp. infection in
Sess.0 et al. Atlantic salmon (Salmo salar L.)
- F:7 Withdrawn.
- F:8 A.B. Karasev Monogenean genus Gyrodactylus parasitizing cod Gadus
Ref.E et al. morhua L. in the Barents Sea coastal areas
- F:9 T. Pedersen Spawning of captive cod (Gadus morhua L.) in northern Nor-
and way
B. Carlsen
- F:10 T. Pedersen Hatching system for cod (Gadus morhua L.) eggs
et al.
- F:11 T. Pedersen Experiments with mass production of cod (Gadus morhua L.)
et al. juveniles in northern Norway
- F:12 J.M. Peignon Individual determination of ploidy level in experimentally
Ref.K et al. induced triploid bivalve molluscs using image cytometry
- F:13 B. Björnsson Growth rate and food conversion of young halibut (Hippo-
et al. glossus hippoglossus) fed six different diets
- F:14 G. Andors- Digestibility experiments in Atlantic salmon and rainbow
dóttir trout
- F:15 G. Andors- Starvation of Atlantic salmon. Effect on weight loss and
dóttir fat content decrease in the carcass
- F:16 C.A.Fernandez Use of L-carnitine in larval rearing of turbot
Pato and C. (Schophthalmus maximus L.): first results
Martinez-
Tapia
- F:17 Withdrawn.
- F:18 C.A.Fernandez Fatty acids, α -tocoferol and L-carnitine: their relation-
Pato et al. ships in turbot (Schophthalmus maximus L.) growth: first
results

- F:19 C. Martinez- Tapia and C.A.Fernandez Pato Effect of temperature in early growth of turbot (Scophthalmus maximus L.) from 0.1 to 500 g
- F:20 C. Martinez- Tapia and C.A. Fernandez Pato Influence of stock density on turbot (Scophthalmus maximus L.) growth
- F:21 Ref.K J.P. Cadoret et al. Gene transfer: potential application to pathology of farmed marine invertebrates
- F:22 Ref.K E. Bachère et al. Strategies of researches on marine bivalve defense mechanisms
- F:23 Sess.0 E. Black et al. Co-culture of fish and shellfish: the implications for antibiotic contamination of shellfish
- F:24 E. Black Recent information on the managing salmon farming risks associated with blooms of Heterosigma akashiwo
- F:25 C.F. Mazur et al. Improvements on the use of two alternatives to chemical anaesthesia for fish: electroanaesthesia and CO₂ anaesthesia
- F:26 K.G. Waiwood and K.G.Howes An evaluation of tidal enclosures for the on-going of Atlantic halibut (Hippoglossus hippoglossus)
- F:27 I.Fjallstein Production of cod fry (G. morhua) in an artificial coastal pond
- F:28 Sess.0 A.C. Barnes et al. Susceptibility of Scottish isolates of Aeromonas salmonicida to the antibacterial agent amoxycillin
- F:29 Sess.0 I.R.Bricknell et al. The current status of a Scottish furunculosis vaccine
- F:30 G. Sangster et al. System for rapid removal of mortalities from fish cages
- F:31 D.W. Bruno et al. The use of aquagard and the prevalence of cataracts among farmed Atlantic salmon (Salmo salar L.)
- F:32 Withdrawn.
- F:33 M. Merceron Water quality and summer mortalities of sea farmed Atlantic salmon (Salmo salar) - a site comparison
- F:34 C. Fauvel et al. Effect of stripping frequency on turbot spawn quality
- F:35 M. Fakhfakh et al. L'action de l' α -tocopherol dans le developpement embryonnaire de Penaeus indicus: rôle d'antioxydant ou rôle spécifique?
- F:36 J. Arzel et al. The relative efficiency of a combination of 2 protein and 2 lipid levels during the growth of brown trout (Salmo trutta) in different conditions

- F:37 Sess.O F.J.Gatesoupe The use of probiotics in fish hatcheries: results and prospect
- F:38 J. Person Le Potentiel de croissance du bar (Dicentrarchus labrax) Ruyet et al. pendant la phase éclosion: relations tailles/poids
- F:39 M.F.Coustans Efficacité comparée de l'acide ascorbique et du sulfate and d'ascorbyle chez le turbot (Scophthalmus maximus) J. Guillaume carence en acide ascorbique
- F:40 C. Cahu The effect of ascorbic acid concentration in broodstock et al. feed on reproduction of Penaeus indicus
- F:41 Ref.L P. Solemdal A comparison of egg quality and larval viability between et al. cultured coastal cod and wild Arcto-Norwegian cod
- F:42 Report of the Working Group on Pathology and Diseases of Marine Organisms, Ostende, 19-22 February 1991
- F:43 Sess.T Report of the Working Group on Environmental Impacts of Mariculture
- F:44 Report of the Study Group on the Risks of Introduction of Non-Indigenous Species by Ballast Water, Helsinki, Finland, 4 June 1991
- F:45 Report of the Working Group on Genetics, Helsinki, Finland 4-7 June 1991
- F:46 Report of the Working Group on Introductions and Transfers of Marine Organisms, Helsinki, Finland, 4-7 June
- F:47 Report of the Joint Meeting of the Working Group on Genetics and the Working Group on Introductions and Transfers of Marine Organisms, Helsinki, Finland, 6 June 1991
- F:48 Withdrawn.
- F:49 Ref.Pub Report of the Editor of the ICES Identification Leaflets for Diseases and Parasites of Fish and Shellfish
- F:50 Publications of interest to the Mariculture Committee, 1990 (with an Addendum)
- F:51 J. Iglesias Effect of light and temperature on the development of et al. turbot eggs (Scophthalmus maximus L.)
- F:52 Ref.K M. Héral Détermination du taux de filtration de l'huître et al. Crassostrea gigas dans un milieu estuarien: différences entre individu et population
- F:53 Ref.K J. Prou Influence de la charge particulière sur la consommation et et al. le taux de filtration d'une population d'huître Crassostrea gigas
- F:54 Ref.K S. Bougrier Activité respiratoire en continu de l'huître et al. Crassostrea gigas: mise au point d'une nouvelle méthodologie

- F:55 S. Bougrier Métabolisme de l'huître (Crassostrea gigas) stockée dans
Ref.K et al. des dégorgéoirs conchylicoles, à différentes densités et
saisons.
- F:56 H. Ackefors Nutrient discharges from aquaculture operations in Nordic
Ref.E and M. Enell countries into adjacent sea areas

REFERENCE PAPERS FOR THE MARICULTURE COMMITTEE

B:9, G:29, G:39, K:28, K:29, K:30, K:44, K:57, L:8, M:2, M:3, M:8, M:12, M:20,
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G - DEMERSAL FISH COMMITTEE

- G:1 Report of Activities, 1990
- G:2 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
- G:3 Manual for the North Sea Stomach Sampling Project in 1991
Ref.H+L
- G:4 R. Nilsen Predator-prey relationships between the witch flounder
Ref.K+L and C.C.E. (Glyptocephalus cynoglossus (L.), Pleuronectidae) and
Hopkins protobranch bivalve species of the genus Yoldiella
- G:5 F. Javier Feeding habits of the hake of ICES areas VIIIB and VIIC
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I. Olaso
- G:6 T. Johansen Application of genetic variation for studies of stock
and G. Nævdal structure in tusk
- G:7 Report of the Study Group on Ecosystem Effects of Fishing
Sess.Y Activities, Lowestoft, 11-15 March 1991
- G:8 R. Froese The use of shape for classifying fish into ecological
Ref.H+J groups
- G:9 S.A. Murawski Dynamic fleet responses to changing resource conditions in
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- G:10 Population A comparative analysis of fisherman's tactics based on
Sess.P Dynamics landings and sea sampling data
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- G:11 A.M. Ajiad An approach to estimate the daily ration during intensive
and K. feeding based on 24 hour fishery
Korsbrekke
- G:12 Withdrawn.
- G:13 Report of the Study Group on the Coordination of Bottom
Ref.H Trawl Surveys in Sub-areas VI, VII, VIII and Division IXa,
Nantes, 11-16 April 1991
- G:14 I.B. Falk- Reproductive biology of wolffish Anarhichas lupus from
Petersen and north-Norwegian waters
T.K. Hansen
- G:15 M.J. Armstrong How much Nephrops is eaten by cod in the western Irish
Ref.K et al. Sea?
- G:16 H.M. Marques Population dynamics of the kitefin shark (Dalatias licha
da Silva B. 1788) off the Azores: a life history model
- G:17 H.M. Marques Virtual population analysis of the hake (Phycis phycis L.
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- G:18 H.M. Krug Population dynamics of the blackspot seabream (Pagellus bogaraveo, B. 1768) of the Azores
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- G:19 M.S. Shevelev Soviet investigations of cod and haddock in the Barents Sea and adjacent waters in 1990
et al.
- G:20 R.V. Melyantsev Morphobiological variability and distribution of the Barents Sea cod
- G:21 S.S. Drobyshева Ref.L et al. Influence of food supply of the Lofoten-Barents Sea cod on its populational status in the 1980s
- G:22 V.L. Tretyak Trophic relations of the Barents Sea cod and their dynamics
et al.
- G:23 Withdrawn.
- G:24 M.S. Shevelev and Yu.M. Lepesevich Results of Soviet investigations of the Norwegian-Barents Sea Greenland halibut stock assessment in 1990
- G:25 A.V. Dolgov and K.V. Drevetnyak Feeding of the Norwegian-Barents Sea redfish (Sebastes mentella)
- G:26 K.V. Drevetnyak Dynamics of populational fecundity and year-class strength of Sebastes mentella from the Norwegian-Barents Sea stock
- G:27 R.B. Millar Modelling the effect of environment on growth of cod: fitting growth increment data versus fitting to size-at-age data
- G:28 E. Ebeling Seasonal variation of the hepato- and gonado-somatic index, condition factor and liver fat content in Myoxocephalus scorpius from the Elbe estuary
- G:29 E. Berg and Ref.F T. Pedersen Comparing growth of cod (Gadus morhua L.) from two different areas within a fjord in northern Norway
- G:30 P. Pereda Artisanal fisheries in the Cantabrian Sea
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Poster B. Villamor
- G:31 P. Lewy and Sess.P M. Vinther Technical interaction in some Danish North Sea main fisheries
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- G:32 M. Pawson Fleet structure and interactions in the English Channel, description, evaluation and implications for management
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- G:33 M. Pawson Exploitation in the UK bass fishery and response to stock changes and implementation of management controls
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- G:34 C.T. Macer A note on potential biases when using mean size data for calculating the effects of a mesh increase
- G:35 W.A. Dawson The age and growth of megrim (Lepidorhombus whiffiaqonis) from the Celtic Sea (ICES Sub-area VII)

- G:36 G.P. Arnold Migration of a maturing female plaice by sustained tidal
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- G:37 F. Cardador Southern stock of hake (ICES Divisions VIIIc + IXa):
simulations of different fishing strategies
- G:38 P.A. Large The effect of quota management regulations on CPUE of
Sess.P Irish Sea species - an insight into fishing tactics?
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- G:39 K.J. Ståhr Migration of transplanted plaice, Pleuronectes platessa L.
Ref.F and J.G. transplanted from the North Sea to the Kattegat
Støttrup
- G:40 J. Boje and Growth of Greenland halibut in the Northwest Atlantic
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- G:41 M.J. Holden North Sea cod and haddock stocks in collapse or the end to
Sess.S the 'gadoid outburst'?
- G:42 B.Steinarrsson An attempt to explain cod growth variability
and
G. Stefánsson
- G:43 Withdrawn.
- G:44 O.T. Albert Biology and ecology of Norway pout Trisopterus esmarki in
the Norwegian Deep
- G:45 O.T. Albert Distribution and trophic ecology of haddock (Melanogrammus
aeglefinus) in the Norwegian Deep
- G:46 Withdrawn.
- G:47 A.D.Rijnsdorp The effects of the plaice box on the reduction in dis-
and carding and on the level of recruitment of North Sea sole
F.A. van Beek
- G:48 A.D.Rijnsdorp A method to determine the onset of sexual maturity from
and back-calculated growth curves from otoliths of individual
F. Storbeck female North Sea plaice, Pleuronectes platessa L.
- G:49 A.D.Rijnsdorp The microdistribution of beam-trawl effort in the southern
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- G:50 Preliminary Report on the International O-group Fish
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- G:51 V. Trujillo Mesh size and effort changes in multispecies fisheries in
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- G:52 F.J. Pereiro Hake recruitment in the Southern stock (ICES Divisions
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- G:53 F. Sánchez Abundance and distribution of the main commercial fish in
et al. the northern coast of Spain (ICES Divisions VIIIc and IXa)
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- G:54 I. Martin A preliminary analysis of some biological aspects of hake (Merluccius merluccius L. 1758) in the Bay of Biscay
- G:55 Withdrawn.
- G:56 Withdrawn.
- G:57 I. Olaso and An artisanal port between two countries: Hondarribia
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- G:58 H.-J. Raetz Variability in NAFO Subarea I cod abundance as observed in 1982-90 annual groundfish surveys
- G:59 S. Ehrich The effect of a gale on bottom trawl catches in the German
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- G:60 Ch. Nagel Infestation of redfish (S. mentella) with Sphyrion lumpi
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from 1988 to 1990; comparison to redfish S. mentella off
Norway in 1989
- G:61 G.Haunschild Meristical investigations for stock identification on
et al. redfish off East- and West-Greenland, from Reykjanes
Ridge/Irminger Sea in 1990 and 1991 and from the northeast
Atlantic
- G:62 G.Haunschild Results and comparison of the groundfish surveys on the
Bear Island/Spitsbergen Shelf on cod (Gadus morhua) and
redfish (Sebastes mentella) in 1986 and 1987
- G:63 O.K. Pálsson Spatial distribution of Iceland cod in March 1985-1991
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G. Stefánsson
- G:64 P. Berthou Description des stratégies d'exploitation de la flotille
Sess.P et al. côtière des côtes d'Armor (Bretagne nord, France) et de
Poster leur évolution
- G:65 Lallemand- Les pêcheries françaises de requin-taupe, Lamna nasus
Poster Lemoine (Bonnaterre, 1788): technique de pêche [This poster will
et al. be bilingual]
- G:66 Ph. Decamps Typologie des flotilles du sud du Golfe de Gascogne par
Sess.P and les activités et les débarquements [This poster will be
Poster J.P. Léauté bilingual]
- G:67 J.H. de La La pêche française de la morue du XVIème au XVIIIème
Villemarqué siècle dans l'Atlantique du nord-ouest
- G:68 B. Mesnil A tentative age-based assessment of the northern stock of
and European hake
R. Guichet
- G:69 J.C. Quero Disappearance or decline of skates, rays and some sharks
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- G:70 Withdrawn.

- G:71 Lallemand- Analysis of the French fishery for porbeagle Lamna nasus
Lemoine (Bonnaterre, 1788)
- G:72 A. Souplet Bottom trawl survey in the eastern Channel. Results of the
et al. first three years
- G:73 J. Lanoy and The French coastal fleet in the eastern Channel. A
A. Souplet preliminary typology
- G:74 D. Dorel and Variation of recruitment in flatfishes on a nursery ground
Y. Desaunay of the northern Bay of Biscay, from 1980 to 1990
- G:75 D. Dorel and Comparison of three Solea solea (L.) nursery grounds of
Y. Desaunay the Bay of Biscay: distribution, density and abundance of
O-group and I-group
- G:76 O.R. Godø Monitoring changes in abundance of gadoids with varying
Sess.U and V.G. availability to surveys
Wespestad
- G:77 Withdrawn.
- G:78 Report of the Study Group on Cod Stock Fluctuations, Ham-
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- G:79 Report of the Workshop on Age Determination of Redfish,
Murmansk, USSR, 26-30 August 1991
- G:80 J.V. Magnússon Report on the O-group fish survey in Iceland and East
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and L S.Sveinbjörnson
- G:81 Report of the Study Group on Beam Trawl Surveys in 1990
- G:82 Nancy Lo The daily fecundity reduction method: a new procedure for
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B:7, B:27, B:28, B:40, B:50, B:51, D:7, D:12, D:15, D:29, E:22, H:5, J:31, K:6,
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H - PELAGIC FISH COMMITTEE

- H:1 Report of Activities, 1990, and Addendum 1
- H:2 Report of the Mackerel/Horse Mackerel Egg Production Workshop, IJmuiden, 15-18 January 1991
- H:3 H.-Ch. John et al. Distribution and drift of horse mackerel (genus Trachurus) off Mauritania January to April 1983
- H:4 T. Monstad and S. Belikov Report of a joint Norwegian-Soviet acoustic survey on blue whiting, spring 1991
- H:5 Ref.C+G Report on the International Bottom Trawl Survey in the North Sea, Skagerrak and Kattegat in 1991: quarter 1
- H:6 V.V. Blinov and S.W. Belikov On a relationship between population fecundity and recruitment of blue whiting and capelin from the North East Atlantic
- H:7 Withdrawn.
- H:8 W.A. Karp and Sess.U G.A. Walters Assessment of walleye pollock, Theragra chalcogramme, in the eastern Bering Sea - the application of swept area bottom trawling and echo integration/ midwater trawling to the assessment of a semi-pelagic stock
- H:9 I. Røttingen Ref.B Swimming speed of spent Norwegian spring spawning herring
- H:10 B. Cihangir and Sess.V E.M. Tirasin Assessment of sardine and anchovy fisheries in the Turkish waters of Black Sea of Marmara, Aegean Sea and Mediterranean
- H:11 S.A. Iversen et al. The egg production and spawning stock size of the North Sea mackerel stock in 1990
- H:12 E. Svendsen Ref.C et al. Influence of climate on recruitment and migration of some fish stocks in the North Sea
- H:13 P. Fossum Ref.L The recovery of the Barents Sea capelin (Mallotus villosus) from a larval point of view
- H:14 P. Fossum and E. Moksness Estimated hatching date and growth history of Norwegian spring-spawning herring (Clupea harengus L.) from otolith data of larvae of the 1990 year class
- H:15 Withdrawn.
- H:16 A.M. Ajiad and T. Puskaeva The daily feeding dynamics in various length groups of the Barents Sea capelin during feeding period
- H:17 Withdrawn.
- H:18 N.A. Isaev et al. Dynamics and rational utilization of the Hebridean and Porcupine blue whiting stocks

- H:19 H. Morimoto Relationship between reproductive ability and nutritional
Sess.V body condition in Japanese sardine
- H:20 M.G. Hammann Pacific sardine and northern anchovy in the Gulf of Cali-
Sess.V et al. fornia, Mexico: current results of SARP Mexico
- H:21 V. Ortiz de Spanish albacore fisheries in the Gulf of Biscay
Sess.P Zarate
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- H:22 Y. Matsuura Comparison of spawning patterns of the Brazilian sardine
Sess.V et al. (Sardinella brasiliensis) and anchoita (Engraulis anchoita) in Ubatuba region, southern Brazil during 1985 through 1989
- H:23 O.A. Bergstad The fish community at a spawning ground of the Norwegian
et al. spring-spawning herring (Clupea harengus L.)
- H:24 O.A. Bergstad Return of Norwegian spring-spawning herring (Clupea
et al. harengus L.) to historical spawning grounds off south-
western Norway
- H:25 Withdrawn.
- H:26 J.J. Castro Outstanding aspects of the biology of chub mackerel
and (Scomber japonicus) during its first year of life in the
J.M. Lorenzo Canary Island waters
- H:27 A. Eltink Horse mackerel egg production and spawning stock size in
the North Sea in 1990
- H:28 D.W. Skagen Stock prediction using stochastic recruitment numbers with
Ref.D empirical stock-dependent distributions
- H:29 M. Meixide Acoustic abundance estimates of blue whiting off the
et al. Spanish Atlantic coast in March-April 1991
- H:30 P. Lucio Morphometrics in otoliths of horse mackerel, Trachurus
et al. trachurus and Trachurus mediterraneus of the Bay of Biscay
- H:31 P. Lucio Presence and abundance of nematode parasites in horse
mackerel (Trachurus trachurus) of the southern Bay of
Biscay (ICES Division VIIIc) in 1982-1983
- H:32 L. Motos and Egg production estimates of biomass of the Bay of Biscay
A. Uriarte anchovy (Engraulis encrasicolus L.) in 1990
- H:33 L. Motos Assessment of spawning biomass of the Bay of Biscay
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daily egg production method
- H:34 Withdrawn.
- H:35 A. Garcia Estimates of the sardine spawning stock biomass off the
et al. Galician and Cantabrian coasts
- H:36 Withdrawn.

- H:37 A. Garcia et al. Sardine (Sardina pilchardus Walb.) daily egg production off the Galician, Cantabrian and Bay of Biscay waters in April-May 1990
- H:38 J. Alheit Sess.U Recent advances in the application of the daily egg production method to clupeoid fish
- H:39 R.L.Stephenson Sess.U Comparisons of tuning methods used in herring stock assessments in the Northeast and Northwest Atlantic
- H:40 Report of the Planning Group on Acoustic Surveys in Sub-area IV and Division IIIa, Aberdeen, 8-9 January 1991
- H:41 P. Munk Sess.V Changes in mean size and distribution of juvenile North Sea sprat (Sprattus sprattus) in the period 1976-1990
- H:42 I.G. Priede Sess.U and M. Walsh Estimation of biomass of Atlantic mackerel (Scomber scombrus) using the annual and daily egg production methods
- H:43 P.J. Hopkins Sess.U and J.A. Morrison Evaluation of the geostatistical methods for the estimation of total egg numbers in a herring spawning bed
- H:44 P.J. Hopkins Report of the ICES herring larvae surveys in the North Sea and adjacent waters in 1990/91
- H:45 A. Bakun Sess.V et al. The comparative approach: latitude-dependence and effects of wind forcing on reproductive success
- H:46 P.E. Smith Sess.V et al. Variation of life stage duration and survival parameters as related to recruitment variability and schooling coastal pelagic fishes
- H:47 Report of the Workshop on Mackerel in Divisions VIIIc and IXa, Lisbon, 5-7 March 1991
- H:48 Withdrawn.
- H:49 Th.Sigurdsson and O.S. Astthorsson Aspects of the feeding of capelin (Mallotus villosus) during autumn and early winter in the waters north of Iceland
- H:50 J.A. Jacobsen Autumn spawning herring around Faroes during summer 1991
- H:51 J.A. Jacobsen Blue whiting survey north of the Faroes in August 1990
- H:52 M.F. Borges Biannual cohorts, growth parameters and migration effects of horse mackerel (Trachurus trachurus L.) in Western Iberian waters, using length frequency analysis
- H:53 Withdrawn.
- H:54 M. F. Borges and L.S. Gordo Spatial distribution by season and some biological parameters of horse mackerel (Trachurus trachurus L.) in the Portuguese continental waters (Division IXa)
- H:55 S.V. Belikov et al. Observations on post-spawning migration of blue whiting and some results on the ichthyoplankton survey during April-May 1991

- H:56 T. Moreno and J.G. Pajuelo Aspects of the biology of silversides (Atherina hepsetia presbyter Cuvier 1829) in the area of the Canary Islands
- H:57 G.P. Mazhirina Nature of spawning and formation of fecundity in argentine (Argentina silus ascanius)
- H:58 H.J.L. Heessen and C.J. Kuitert Some observations on greater argentine (Argentina silus) from samples collected in 1990 during experimental fishery
- H:59 Report of the Workshop on Horse Mackerel (SCAD) Otolith Reading, Lisbon, 21-27 November 1990 November 1990

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J - BALTIC FISH COMMITTEE

- J:1 Report of Activities, 1990
- J:2 Report of the Study Group on Young Fish Surveys in the Baltic, Tvärminne, Finland, 24-28 September 1990
- J:3 List of Publications for the Baltic Fish Committee, 1990
- J:4 M. Malkin et al. Modification of biostatistical method for the assessment of the East Baltic cod stocks
- J:5 D. Uzars et al. Cod distribution and spawning in the Gotland Basin in the 1980s
- J:6 M. Wyszynski Changes of southern Baltic herring growth rates and condition factors in 1981-1990
- J:7 M. Kosior and J. Skólski Changes in sex ratio of the Baltic cod stock in 1970-1990
- J:8 R. Aps et al. Growth and stock dynamics prediction of the Baltic sprat
- J:9 R. Aps The Baltic sprat units: myth or reality?
- J:10 Withdrawn.
- J:11 T. Raid and A. Lankov On growth of the Baltic herring in the Gulf of Finland
- J:12 T. Neudecker Report on the acoustic survey in ICES Sub-divisions 22 and Ref.B et al. 24 in November 1990
- J:13 O. Bagge and E. Steffensen The condition factor in relation to maturity and filling of stomach in cod (Sub-division 25)
- J:14 J. Flinkman et al. The annual changes in food selection of Baltic herring
- J:15 E. Aro et al. Estimation of Baltic cod eggs and larvae drift by two-layer flow model with variable winds Ref.C
- J:17 Withdrawn.
- J:17 P. Kotilainen and E. Aro Changes in growth phase of Baltic herring and their causes in the northern Baltic Sea
- J:18 Withdrawn.
- J:19 M. Hildén Single species or multispecies short term TAC advice - Sess.S does it matter?
- J:20 K. Leinonen Choosing the fishing site: factors affecting the decisions of recreational fishermen Sess.P and Poster M. Hildén

- J:21 V. Kaitala Subsidising fisheries - structural effects of different
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- J:22 I. Lablaika The USSR Baltic cod catches and relevant fishing effort
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- J:23 W. Weber Investigations on cod stomachs in the Western Baltic,
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- J:24 D. Kästner and Analysis of the growth of the Rügen spring spawning
N. Brielmann herring in the period 1980-1990
- J:25 K. Krenkel Results of fecundity studies of herring in the area off
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- J:26 R. Hinrischs Distribution and abundance of cod, herring and sprat in
et al. the western Baltic estimated from young fish surveys
- J:27 F. Thurow Baltic fish biomass in the 20th century
- J:28 Report of the Planning Group for Hydroacoustic Surveys in
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- J:29 S. Munch- Application of GLM (Generalized Linear Model) for esti-
Petersen and mation of year class strength of Baltic cod from trawl
J. Bay survey data
- J:30 H. Sparholt The International Cod Stomach Database for the Baltic Sea
et al. and some preliminary analysis
- J:31 B. Johnsson Taggings of small Baltic cod at the south coast of Sweden
Ref.G et al.
- J:32 R. Parmanne Is it possible to predict the recruitment of herring in
the Bothnian Sea?
- J:33 J. Koskiniemi The genetic population structure of Baltic herring in the
and northern Baltic Sea
R. Parmanne
- J:34 O. Hagström Acoustic estimates of the herring and the sprat stocks in
et al. the Baltic proper in October 1990
- J:35 J. Netzel Polish juvenile cod survey
- J:36 J. Netzel and Biomass at age of flounder in the Gulf of Gdansk estimated
J. Kuczynski by the swept area method in 1989-1991
- J:37 K. Wieland and Vertical distribution of cod and sprat eggs and larvae in
F. Zuzarte the Bornholm Basin (Baltic Sea) 1987-1990
- J:38 B. Draganik A review of growth rate of the Baltic flounder
and (Platichthys flesus L.) derived from otolith measurements
J. Kuczynski
- J:39 S. Ohldag Development of Baltic cod eggs at reduced oxygen concen-
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M:13, M:23, M:26, M:28, M:29, M:30, N:9

K - SHELLFISH COMMITTEE

- K:1 Report of Activities, 1990
- K:2 E.M. Nilssen and C.C.E. Hopkins Population parameters and life histories of the deep-water prawn Pandalus borealis from different regions
- K:3 Y.P. Kartavtsev Genetic differentiation among the pink shrimp Pandalus borealis Krøyer populations
- K:4 J. Freire et al. Spatial distribution of decapod crustaceans in the Galician continental shelf (NW Spain) using geostatistical analysis
- K:5 U.Skúladóttir The variation in size and age at changes of sex; maximum length and length of ovigerous periods of the shrimp Pandalus borealis at different temperatures in Icelandic waters
- K:6 U.Skuladóttir A preliminary report on the predation of the shrimp, Pandalus borealis, by Greenland halibut, Reinhardtius hippoglossoides, of North and East Iceland
Ref.G
- K:7 Gro I. van der Meeren and H. Næss Recatches of marked lobsters, Homarus gammarus, released in 1988
- K:8 D.F. Schick and D.K. Stevenson Northern shrimp distribution relative to bottom type and season and availability to research and commercial trawls in the Gulf of Maine
- K:9 A.A.Rosenberg and J. Brodziak DeLury analysis for the assessment of Atlantic squid species
- K:10 F.M. Porteiro Squid fishing in the Azores
Ref.B
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- K:11 J.M.Gonçalves Biology and exploitation of Octopus vulgaris Cuvier 1797 in the Azores
- K:12 Withdrawn.
- K:13 Anon. Fishery potential of North Eastern Atlantic squid stocks
- K:14 S.G. Mukhin and G.K. Sheveleva Soviet investigations on shrimp in the Barents Sea and off the Spitsbergen in 1990
- K:15 B.I.Berenboim et al. On methods of stock assessment and evaluation of TAC for shrimp Pandalus borealis in the Barents Sea
- K:16 P. Dare and D. Palmer Examples of 'optimal foraging' in a scallop (Pecten maximus) fishery
Sess.P
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- K:17 J.G. Pope A method for estimating the quantity of catch discarded
Ref.D et al. and its application to the fishery for Nephrops off the
north-east coast of England
- K:18 Withdrawn.
- K:19 S.R. Lovewell Observations on the by-catch of lobsters (Homarus
gammarus) by trawlers off the Yorkshire coast, England
- K:20 S. Dahle and Growth and population biology of the horse mussel
J.H. Sundet (Modiolus modiolus) in northern Norway
- K:21 G. Conan and Direct estimates of Nephrops norvegicus abundance by geo-
Sess.U F. Sarda statistical analysis of spatial dispersion in data from an
experimental trawl study
- K:22 G. Conan Geostatistical analysis of spatial dispersion and biomass
Ref.D et al. of the deep water prawn Pandalus borealis in the Barents
Sea
- K:23 Withdrawn.
- K:24 V.H. Garcia Distribution of flying squids (Cephalopoda, Teuthoidea) in
the CECAF area (Preliminary report)
- K:25 R.J. Knijn Estimates of total mortality of berried females of the
and brown shrimp Crangon crangon L.
R. Boddeke
- K:26 N. Daan Consumption of Pandalus by MSVPA predators
Ref.G
- K:27 A.C. Fariña Nephrops boundaries in the north of Spain (ICES Divisions
and VIIIc and IXa)
F. Sánchez
- K:28 A. Bodoy Is the prevalence of Bonamia and Marteilia diseases
Ref.F et al. reduced on flat oysters Ostrea edulis of Atlantic and
Mediterranean origin, when they are reared together with
the Japanese oyster, Crassostrea gigas, in tidal ponds?
- K:29 J.P. Baud Improvement of remote setting of the Pacific oyster
Ref.F et al. (Crassostrea gigas) on French plastic pipes
- K:30 M. Pascual Testing of the argentine oyster Ostrea puelchana, in
Ref.F et al. several oyster farming sites
- K:31 K.G.Magnússon The predatory impact of cod on shrimps in Icelandic waters
Ref.G and
O.K. Pálsson
- K:32 B.J. Roths- The decline of the Chesapeake Bay oyster population: a
Ref.D child et al. century of habitat destruction and overfishing
- K:33 R.C.A. Ban- The 1990 results from a lobster stock enhancement experi-
nister et al. ment on the east coast of England

- K:34 D. Latrouite Case study of flexibility for a coastal fleet: from crab
Sess.P et al. potting to fish and crawfish netting at le Conquet
Poster (Britanny)
- K:35 D. Latrouite Size at functional maturity of the female of the edible
Poster and P. Noël crab Cancer pagurus
- K:36 D. Latrouite Growth of the lobster Homarus gammarus in South Brittany
Poster and J. Lorec
- K:37 S. Fifas An empirical catchability model for the scallop stock,
Ref.D Pecten maximus (L.) in the Saint-Brieuc Bay (English Chan-
nel, France)
- K:38 S.Fifas A simulated calculation of fishing mortality applied on
the scallop stock (Pecten maximus L.) of the Saint-Brieuc
Bay (English Channel, France)
- K:39 D. Latrouite New data on the growth of the Norway lobster from the Bay
et al. of Biscay (Nephrops norvegicus) by measurement of the
 $^{228}\text{Th}/^{228}\text{Ra}$ in the carapace ratio
- K:40 P. Berthou Etude de l'impact des engins de pêche trainants en zone
Ref.B et al. côtière. Cas particulier du dragage en Baie de Saint-
Brieuc
- K:41 G.R. Lilly Distributional patterns of the northern shrimp (Pandalus
Ref.G and borealis) in the Northwest Atlantic as inferred from
D.G. Parsons stomach contents of cod (Gadus morhua)
- K:42 D.G. Parsons Aspects of the distribution and behaviour of northern
et al. shrimp (Pandalus borealis) affecting survey design and
stock assessment
- K:43 Report of the Working Group on Pectinid Stocks, Brest,
France, 30 May - 1 June 1991
- K:44 Report of the Study Group on Pollution Affecting Shellfish
Ref.E+F in Aquaculture and Natural Populations
- K:45 G. Pestana Effects of changing trawl mesh size and fishing effort of
and deep water rose shrimp (Parapenaeus longirostris) from the
A. Cascalho southern Portugal (ICES Division IXa)
- K:46 G. Pestana Stock assessment of deep water rose shrimp (Parapenaeus
longirostris) from the southern Portugal (ICES Division
IXa)
- K:47 Withdrawn.
- K:48 E.M.C. Recruitment of seasonal broods of the Patagonian squid
Hatfield (Loligo gahi d'Orbigny) into the commercial fishery around
et al. the Falkland Islands: 1985-1990
- K:49 J. Pichon Changes in the strategy of the Bigouden coastal Nephrops
Sess.P and trawlers between 1930 and 1990. Approach of the spatial
Poster A.Charuau management of the fishery and consequences of the EEC
regulation
- K:50 Publications of interest to the Shellfish Committee, 1990

L - BIOLOGICAL OCEANOGRAPHY COMMITTEE

- L:1 Report of Activities, 1990
- L:2 S. Campana and E. Moksness Accuracy and precision of age and hatch date estimates from otolith microstructure examination
- L:3 A. Röpke and Sess.V Christine Freitas Short-term variability in the occurrence and distribution of larval Indian oil-sardine Sardinella longiceps in the western Arabian Sea during intermonsoon period 1987
- L:4 N. Bøhle and E. Moksness On the distribution of Euphausiids in Skagerrak
- L:5 P. Ré Sess.V SARP related studies of anchovy in Portuguese estuaries
- L:6 I. Meneses Sess.V and P. Ré Infection of sardine eggs by a parasitic dinoflagellate Ichthyodinium chabelardi (Holland et Cachon) off the Portuguese coast
- L:7 J. Bartsch Sess.V Modelling the transport of herring and sprat larvae in the North Sea
- L:8 R. Froese Ref. F+G+H Progress report on FISHBASE, the global biological database on living aquatic resources
- L:9 K. Nakati-Sess.V Toishi et al. The Kuroshio front as an important feeding area for the Japanese sardine larvae
- L:10 K. Sherman Ref.C et al. Annual variability in temperature-linked calanoid dominance of the Northeast Shelf ecosystem
- L:11 J.R. Green et al. Anomalous Western Gulf of Maine (GOM) zooplankton community structure in late winter and early spring of 1991
- L:12 K. Sherman Stress, mitigation, and sustainability of biomass yields in large marine ecosystems
- L:13 Withdrawn.
- L:14 R. Weiss and Poster L. Postel Relationships between the mesozooplankton net growth and the chub mackerel stock off Northwest Africa
- L:15 D. Reichow et al. The use of multivariate morphometrics to determine the nutritional condition of marine fish larvae
- L:16 M. Baumann Sess.R et al. Early winter phytoplankton species composition and biomass in the Greenland Sea
- L:17 A. Gislason and O. Astthorsson Distribution of zooplankton across the coastal current southwest of Iceland in relation to hydrography and primary production
- L:18 D.K. Mills Sess.Q and P. Tett Phytoplankton and fronts in the southern North Sea

- L:19 O. Guerin-
Sess.X Ancey and
P.M. David Small zooplankton distribution study, using a multifre-
quency sounder
- L:20 C. Martinez-
Sess.X Lopez and
P.M. David Principal component calibration models in the acoustic
evaluation of zooplankton size spectra. I. Simulation
studies
- L:21 J.P. van
Sess.X Cuych and
O. Guerin-
Ancey Problèmes posés par la détection acoustique du phyto-
plancton
- L:22 R.P. Sánchez
Sess.V et al. A drift study of vertical distribution and mortality of E.
anchoita eggs and larvae
- L:23 S. Carrasco
Sess.V et al. SARP related studies off Peru
- L:24 E. Gaard and
Ref.C B. Hansen Phyto- and zooplankton in relation to nutrients and hydro-
graphy in Faroese waters during spring-summer 1990
- L:25 M.A. Baars
Sess.Q et al. The ecology of the Frisian front
- L:26 M. Kloppmann
Sess.V Vertical distribution of sprat larvae in the German Bight
- L:27 N. Daan A theoretical approach to the evaluation of the ecosystem
effects of fishing in respect of North Sea benthos
- L:28 J. Carstens
Sess.R and G. Wefer Seasonal variations in the horizontal and vertical distri-
butions of planktonic foraminifera from plankton tows and
sediments traps in the Greenland Sea
- L:29 Withdrawn.
- L:30 Withdrawn.
- L:31 I. Palomera
Sess.V Vertical distribution of anchovy larvae (Engraulis encra-
sicholus) in Western Mediterranean
- L:32 Report of the Study Group on Zooplankton Production
- L:33 Y. Watanabe
Sess.V et al. Preliminary report on larval growth of the Japanesae
sardine spawned in dominant current area
- L:34 J.H. Cowan
and
E.D. Houde Size-dependent predation on fish larvae by ctenophores,
scyphomedusae and planktivorous fish
- L:35 E.D. Houde
and
C.E. Zastrow Ecocystem-specific and taxa-specific growth, mortality and
energetics relationships of teleost larvae
- L:36 P. Munk
Sess.V Growth and drift pattern of larval sprat (Sprattus sprat-
tus) in the eastern North Sea investigated by otolith
microstructure analysis

- L:37 I. Sprong and Mesozooplankton distribution in the Greenland Sea as
Sess.R H.J. Hirche derived from acoustic measurements
- L:38 H.J. Hirche Distribution and production of phyto- and zooplankton in
Sess.R et al. the Greenland Sea
- L:39 W.O. Smith Phytoplankton dynamics in the Greenland Sea
Sess.R
- L:40 H.J. Hirche Plankton in the Greenland Sea - new insights and old
Sess.R questions
- L:41 R.S. Bailey The interaction between sandeels and sea-birds - a case
Sess.Y history at Shetland
- L:42 L. Fortier Cross-front circulation, export production, and the dis-
Sess.Q et al. persion of fish larvae and their prey in a coastal jet
frontal region (northwestern Gulf of St. Lawrence)
- L:43 J. Alheit The Sardine Anchovy Recruitment Project (SARP): rationale,
Sess.V et al. design and development
- L:44 J. Alheit and Reproductive success of sprat (Sprattus sprattus) in the
Sess.V A. Bakun German Bight during 1987
- L:45 G. Valenzuela Spawning patterns of sprat and survival chances of sprat
Sess.V et al. larvae in relation to frontal systems in the German Bight
- L:46 J. Alheit SARP studies on Southwest Atlantic anchovy, Engraulis
Sess.V et al. anchoita, off Argentine, Uruguay and Brazil
- L:47 S.H. Coombs Feeding conditions for sprat larvae in the Irish Sea
Sess.V et al.
- L:48 I.R.B.McFadzen Histological indices of larval sprat (S. sprattus) con-
Sess.V and dition in relation to SARP
S.H. Coombs
- L:49 J.L. Hakanson Diel variation in lipid and elemental composition of sprat
Sess.V and (S. sprattus) larvae at mixed and stratified sites in the
S.H. Coombs German Bight
- L:50 B.J.Roths- Application of stochastic geometry to problems in plankton
Ref.C child ecology
- L:51 J. Sildam The comparative analysis of mesoscale variance of par-
Sess.R ticles of different size classes in the range 1 - 1000 μ m
in relation to the Greenland Sea frontal region
- L:52 Y. Desaunay Zebulon, a simple suprabenthic gear for ichthyoplankton
Ref.G et al. studies over the continental shelf
Poster
- L:53 P. Bourriau Three plankton samplers used to study the distribution of
Ref.G Dover sole (Solea solea L.) larvae
Poster
- L:54 N. Lacroix Observation of the larval distribution of two Soleidae
Ref.G and C. Rouxel (Solea solea and Microchirus variegatus Donovan) in the
Bay of Biscay

- L:55 W. Smith Jr. Nitrogen uptake and new production in the Greenland Sea:
Sess.R the spring phaeocystis bloom
- L:56 R. Gaudy Distribution, feeding and metabolic activities of zoo-
Sess.Q et al. plankton in the Rhone River front (NW Mediterranean Sea)
- L:57 Report of the Benthos Ecology Working Group, Dartmouth,
Halifax, Canada, 6-10 May 1991
- L:58 Report of the Study Group on Gulf III Sampler Efficiency
Calibrations
- L:59 J.C. Miguel Sedimentation rate measurements in the Ligurian Front
Sess.Q et al. (western Mediterranean Sea)
- L:60 R. Peinert Suspended particles, vertical fluxes and time series
Sess.Q et al. measurements of in vivo-fluorescence and temperature in
the Ligurian Front (Mediterranean Sea)
- L:61 H.R. Skjoldal Studies on plankton dynamics and herring recruitment in
et al. Norwegian shelf areas: framework and preliminary results
from 1991
- L:62 A. Hassel Impact of grazing from capelin (Mallotus villosus) on zoo-
Ref.H et al. plankton: a case study in the northern Barents Sea in
August 1985
- L:63 W. Melle Size of eggs and Nauplii of Calanoid copepods in the
Barents Sea; influence of environmental and maternal fac-
tors
- L:64 T.Thordardóttir Computations to estimate daily primary production from
et al. incubator measurements of ^{14}C uptake at light saturation
- L:65 K. Gunnarsson The distribution and biomass of Ascophyllum nodosum (L.)
Le Jolis (Phaeophyceae) in the bay of Breidifjörður, West
Iceland
- L:66 M. Goutx Hydrological structure and biological processes in the
Sess.Q et al. Rhone River plume area
- L:67 J.G. Braun Some observations on plankton distribution during summer
et al. in the eastern North Atlantic between 33°N and 43°N
- L:68 Plankton Identification Leaflets, Editor's report 1991
Ref.Pub
- L:69 E. Lopez- A SARP pilot study for sardine (Sardina pilchardus) off
Sess.V Jamar et al. north and northwest Spain in April/May 1991
- L:70 D. Lefevre Effect of the Ligurian geostrophic front on the distri-
Sess.Q et al. bution of miccoorganism respiratory activity
- L:71 Withdrawn.
- L:72 R.A. Myers Patterns of recruitment variation: influence of life
and P. Pepin history and environment

- L:73 D. Razet Etude de la variabilité et de la disponibilité de la
Ref.E et al. matière organique du sédiment superficiel et du phyto-
benthos associé sur un estran estuarien
- L:74 O. Raillard Modelisations de la production de l'huître Crassostrea
and A. Menes- gigas du bassin de Marennes-Oléron (France). Etude de
guen l'influence des apports de nitrates du fleuve Charente sur
la production primaire et ostréicole
- L:75 C. Bachar A modelling approach of the trophic relationships in a
Mediterranean lagoon
- L:76 D.V.P. Conway Feeding of sprat and anchovy in relation to the require-
Sess.V et al. ments of the SARP Programme
- L:77 A.S. Malkov Movement of the earth pole and population dynamics of some
Ref.C commercial species from the northeastern Atlantic
- L:78 A. Ramos Large and small scale relationship between skipjack tuna
Sess.Q et al. (Katsuwonus pelamis) and oceanographic features observed
from satellite imagery in the Canary Islands
- L:79 J.O. Backhaus A hypothesis concerning the space-time succession of
Ref.C and M. Krause Calanus finmarchicus in the northern North Sea
- L:80 Y. Soto- Microbial assemblages in the water column of the Rhône
Sess.Q Mercado and river plume
Poster M. Bianchi
- L:81 D.B. Robins Characterisation of natural particulate assemblages around
Sess. et al. the northern coast of Spain in relation to a SARP study of
V sardine spawning
- L:82 W. Welsch A high speed wind recording system for in situ studies on
Ref.C et al. small-scale distribution of zooplankton and ichthyo-
plankton; preliminary results on the distribution of
plankton in the Bornholm Basin (central Baltic) in rela-
tion to hydrographic structures
- L:83 M.D. Vinas Feeding ecology of Engraulis anchoita first-feeding larvae
Sess.V in a tidal mixing front off the Valdes Peninsula (Argen-
tina)

REFERENCE PAPERS FOR THE BIOLOGICAL OCEANOGRAPHY COMMITTEE

D:34, E:2, F:41, G:3, G:4, G:21, G:78, G:80, H:13, Poll:3

M - ANADROMOUS AND CATADROMOUS FISH COMMITTEE

- M:1 Report of Activities, 1990
- M:2 Report of the Workshop on Identification of Fish Farm
Ref.F Escapees and Wild Salmon, Trondheim, Norway, 11-13
February 1991
- M:3 Report of the Study Group on Genetic Risks to Atlantic
Ref.F Salmon Stocks, Copenhagen, 13-15 March 1991
- M:4 Report of the Study Group on the Norwegian Sea and
Faroes Salmon Fishery, Dublin, 4-7 March 1991
- M:5 ICES compilation of microtag, fin-clip, and external
tag releases in 1990
- M:6 Report of the Study Group on the North American Salmon
Fisheries, Leetown, West Virginia, USA, 25 February - 1
March 1991
- M:7 Report of the Workshop on Scale Reading for Baltic
Ref.J Salmon Utsjoki, Finland, 15-17 January 1991
- M:8 T.K. Lebskaya On comparison of physiological and biochemical indices
Ref.F et al. in wild and farmed Atlantic salmon
- M:9 M. Hildén Who took the fish? - Fishing for salmon in the 1980s in
Ref.J et al. Finland
- M:10 E.C.E. Potter The use of a neural network to distinguish North American
et al. and European salmon (Salmo salar L.) using scale
characteristics
- M:11 I.C. Russell Recoveries of coded wire microtags from salmon caught
et al. at West Greenland in 1990
- M:12 P. Hiilivirta Comparison of the visual and discriminant function
Ref. et al. methods in distinguishing between wild and hatchery-
reared salmon in the northern part of the Baltic Sea
- M:13 L. Karlsson and Experimental fishery with salmon drift nets of differ-
Ref.J C. Eriksson ent mesh sizes in the Baltic in the autumn 1990
- M:14 Ø. Skaala Biochemical genetic markers in Atlantic salmon, Salmo
et al. salar
- M:15 A. Valente La population de saumon atlantique Salmo salar (L.
et al. 1758) du fleuve Lima, Portugal: quelques observations
préliminaires
- M:16 M. Thibault Les statistiques de pêche au saumon atlantique en
France depuis la fin du XIXème siècle
- M:17 E. Beall et al. Early survival, dispersal patterns and growth of juve-
nile from two domesticated stocks of landlocked Atlan-
tic salmon
- M:18 E. Beall et al. Dispersal patterns of Atlantic salmon juveniles

- M:19 J. Dumas and L. Barrière Contrôle des taux de recapture ou de retour des saumons de la Nivelle (France, Pyrénées-Atlantiques) de 1977 à 1990
- M:20 P. Davaine Sea ranching of Coho salmon in Kerguelen Islands (TAAF)
Ref.F
- M:21 P. Davaine Relationships between temperature, population density and growth in a sea trout population (*S. trutta* L.) of the Kerguelen Islands (TAAF)
and E. Beall
- M:22 T. Vriese and H. Wiegerinck Trout tagging experiments in Dutch coastal waters during the summer of 1990
- M:23 A. Ahvonen Report of taggings of the salmon stock in the River Tornionjoki, Finland
Ref.J et al.
- M:24 Withdrawn.
- M:25 Withdrawn.
- M:26 O. Christensen By-catches in the salmon drift net fishery in the Baltic Sea
Ref.J+N
- M:27 D.A. Dunkley Recent developments in automatic fish counters for salmon rivers
Sess.U and R.G.J. Shelton
- M:28 M. Salminen Variation of growth rate, tag recovery rate and temporal distribution of tag recoveries in Baltic salmon tagging experiments
Ref.J and S. Kuikka
- M:29 S. Kuikka Effects of some external factors on the predictability and production capacity of Baltic salmon stocks
Ref.J
- M:30 S. Kuikka Probabilistic assessment of TAC-based fisheries management of Baltic salmon stocks
Ref.J and O. Varis
- M:31 P. Grellier The fishery for sea lamprey (*Petromyzon marinus marinus* L.) in the Loire estuary (1988, 1989)
Poster
- M:32 F.-X. Cuende and P. Prouzet Evolution of characteristics of Atlantic salmon catch in the Adour Basin related to environmental variations
- M:33 J.-L. Gaignon Smoltification (0+) en toutes saisons chez le saumon atlantique
et al.
- M:34 A.J. Jensen Possible effects of climatic changes on the ecology of Norwegian Atlantic salmon (*Salmo salar* L.)
- M:35 M.P. Hansen and B. Jonsson Ranching experiments of Atlantic salmon in the River Imsa, Norway
Ref.F
- M:36 Withdrawn.
- M:37 List of publications related to the interests of the Anadromous and Catadromous Fish Committee, 1990
- M:38 M. Holm Releasing salmon smolts at the edge of the sea - a possible model for ocean ranching in coastal Norway
Ref.F et al.

- M:39 S.H. Mortensen Health screening of wild Atlantic salmon (Salmo salar)
Ref.F et al. from the Osterfjorden-area, western Norway
- M:40 P. Magonski Some data on the Polish drift-net salmon fishery
fishery

REFERENCE PAPER TO THE ANADROMOUS AND CATADROMOUS FISH COMMITTEE

B:8

N - MARINE MAMMALS COMMITTEE

- N:1 Report of Activities, 1990
- N:2 T. Haug Recent studies of the distribution and abundance of grey
Ref. et al. seals Halichoerus grypus in north Norway, and their
E+G possible influences on parasitic infestations in fish
- N:3 K.T. Nilssen Field studies of harp seal Phoca groenlandica distribution
et al. and feeding ecology in the Barents Sea in September 1990
- N:4 R. Sundt Studies of biochemical genetic polymorphism in the hooded
seal
- N:5 I. Fyllingen A study of genetic variation in Northeast Atlantic harp
et al. seals Pagophilus groenlandicus
- N:6 Publications of interest to the Marine Mammals Committee
- N:7 R. Duguay Rapport annuel sur les cétacés et pinnipèdes trouvés sur
les côtes de France - année 1990
- N:8 R. Duguay and Le statut du phoque gris (Halichoerus grypus) sur les
E. Hussenot côtes de France
- N:9 V. Pilats A survey of Baltic grey seal pups in the West-Estonian
Ref.J archipelago after the extremely mild winter in 1990
- N:10 T.D. Smith The development of line transect methods for estimating
Sess.U and cetacean abundance
T. Polachek
- N:11 D. Potter A new method for measuring distance and bearing to sighted
and T. Smith cetaceans
- N:12 F.O. Kapel Summary Report of a Nordic Seminar on Predation and Pre-
(Ed.) datory Processes in Marine Mammals and Sea Birds, Tromsø,
Norway, 24-29 April 1991 (No paper, but a verbal presen-
tation will be given)
- N:13 Withdrawn.
- N:14 V.A. Potelov Stock status of harp seal in the Northeast Atlantic
- N:15 V.A. Potelov Seal survey by IL-18 DORR plane
and
V.I. Chernook
- N:16 A. Bjørge Harbour porpoise, Phocoena phocoena, in Norwegian waters
et al.
- N:17 G. Garcia- The marine mammals sighted during "Cetacea-90"
Castrillo
and P. Güemes
- N:18 G. Garcia- Les mammifères marins du nord de l'Espagne en 1990
Castrillo
et al.

- N:19 Report of the Study Group on Seals and Small Cetaceans in
Sess.Y Northern European Seas, Texel, 12-15 March 1991
- N:20 Withdrawn.
- N:21 H. Skov Patterns of co-occurrence of cetaceans and seabirds in the
 et al. North East Atlantic
- N:22 C.R. Joiris Summer distribution and ecological role of seabirds and
Sess.R and J. Tahon marine mammals in the Greenland and Norwegian Seas
- N:23 Yu.K. Timo- Peculiarities of harp seal biology (the White Sea popula-
 shenko tion) in 1987/1988
- N:24 Withdrawn.
- N:25 A. Lopez Cetaceans stranded in the Galician coast (Northwest Spain)
 et al. in 1990

REFERENCE TO THE MARINE MAMMALS COMMITTEE

M:26

*MINI-SYMPOSIUM ON MODELS OF RECRUITMENT PROCESSES RELEVANT TO
THE FORMULATION OF RESEARCH STRATEGIES*

- Mini:1 V.V. Blinov Assessment of recruitment abundance to the fish stock as a process of multiyear one-dimensional random wandering
- Mini:2 M.J. Fogarty Recruitment in randomly varying environments
- Mini:3 Withdrawn.
- Mini:4 P.J. Stabeno Bio-physical models of the recruitment process in the Gulf
and of Alaska walleye pollock
B.A. Megrey
- Mini:5 B. Rothschild Variance resolution in sensors
- Mini:6 J.H. Cowan Jr. Potential effects of maternal contribution on egg and
and larvae population dynamics of striped bass: integrated
K.A. Rose individual-based model and directed field sampling
- Mini:7 W. Silvert The role of habitat changes during early life stages of fish
- Mini:8 J.G. Pope Recruitment research for fisheries management: is there a simple approach?
- Mini:9 J.G. Pope Is the whole the sum of the parts?: The implications of integrating local models of recruitment to the global picture
- Mini:10 J.G. Shepherd Second-level models for larval growth and mortality, allowing for predator satiation and time and size dependence of predation rates
- Mini:11 Withdrawn.
- Mini:12 P. Pepin The development of a framework to study the early life history of fish based on size-dependent processes
- Mini:13 B.J. Rothschild and Sensitivity of recruitment to theories of everything in biological oceanography
J.S. Ault

PAPERS AND POSTERS FOR THEME SESSIONS

Medication in Mariculture: Efficacy, Residues, and Environmental Effects (O)

Convener: Dr H. Rosenthal (Germany)

F:5, F:6, F:23, F:28, F:29, F:37

Poster Session on Strategies and Tactics of Fishing Fleets and Fishermen (P)

Convener: Mr M. Hildén (Finland)

B:24, B:25, D:21, D:27, D:32, G:9, G:10, G:30, G:31, G:32, G:33, G:38, G:49, G:57, G:64, G:66, H:21, J:20, J:21, K:16, K:34, K:49

Interdisciplinary Studies on Shelf Sea Fronts (Q)

Convener: Dr G. Krause (Germany)

C:4, C:7, C:8, C:35, C:40, L:18, L:25, L:42, L:56, L:59, L:60, L:66, L:70, L:78, L:80

Greenland Sea Project - Interdisciplinary Results (R)

Convener: Dr H.-J. Hirche (Germany)

C:9, C:14, C:18, C:28, C:31, C:36, L:16, L:28, L:37, L:38, L:39, L:40, L:51, L:55, N:22

ACFM Theme Session (S)

Convener: Mr D. de G. Griffith (Ireland)

B:28, D:17, D:22, D:23, D:30, G:41, J:19, Assess:25

ACMP Theme Session (T)

Convener: Mr J. Jakobsson (Iceland)

E:13, F:43, Poll:1, Poll:6, Poll:7

Progress and Problems in Fish Abundance Estimation (U)

Convener: Dr R.S. Bailey (United Kingdom)

B:5, B:18, B:33, B:39, B:49, B:59, D:1, D:2, D:3, D:10, D:13, D:19, G:76, G:82, H:8, H:33, H:38, H:39, H:42, H:43, K:21, M:27, N:10

Results from the Sardine Anchovy Recruitment Project (SARP) (V)

Convener: Dr J. Alheit (Germany); co-sponsored by IOC

C:17, H:10, H:19, H:20, H:22, H:41, H:45, H:46, L:3, L:5, L:6, L:7, L:9, L:22, L:23, L:26, L:31, L:33, L:36, L:43, L:44, L:45, L:46, L:47, L:48, L:49, L:69, L:76, L:81, L:83

Application and Analyses of Acoustic Methods (X) Joint Session between the Fish Capture and Statistics Committees Convener: Dr E.J. Simmonds (United Kingdom)

B:6, B:15, B:23, B:26, B:34, B:35, B:36, B:43, B:54, L:19, L:20, L:21

Managing the Sea: Integration of Understanding (Y)

Convener: Mr J. Jakobsson (Iceland)

E:7, G:7, L:41, N:19, Assess:7

ACFM - ADVISORY COMMITTEE ON FISHERY MANAGEMENT

- ACFM:1* Agenda, ACFM Consultations at the 1991 Statutory Meeting
- ACFM:2* ACFM proposal for re-arrangement of ICES Assessment Working Groups
- ACFM:3* Draft Terms of Reference for ACFM and Assessment Working Groups in
1992

*For ACFM only.

ASSESSMENT WORKING GROUP REPORTS - 1991

- Assess:1 Report of the Irish Sea and Bristol Channel Working Group, Copenhagen, 5-14 September 1990
- Assess:2 Report of the Blue Whiting Assessment Working Group, Copenhagen, 12-18 September 1990
- Assess:3 Report of the Arctic Fisheries Working Group, Copenhagen, 18-27 September 1990
- Assess:4 Report of the Roundfish Working Group, Aberdeen, 11-23 October 1990
- Assess:5 Report of the North Sea Flatfish Working Group, Copenhagen, 18-24 October 1990
- Assess:6 Report of the Atlanto-Scandian Herring and Capelin Working Group, Copenhagen, 15-19 October 1990
- Assess:7
Sess. Y Report of the Multispecies Assessment Working Group, Woods Hole, USA, 4-13 December 1990
- Assess:8 Report of the Working Group on the Assessment of Pandalus Stocks, Copenhagen, 11-14 February 1991
- Assess:9 Report of the Division IIIa Demersal Stocks Working Group, Copenhagen, 25 February - 4 March 1991
- Assess:10 Report of the Working Group on Cod Stocks off East Greenland, Reykjavik, 20-26 February 1991
- Assess:11 Report of the Working Group on Nephrops Stocks, Aberdeen, 28 February - 6 March 1991
- Assess:12 Report of the Working Group on North Atlantic Salmon, Copenhagen, 14-21 March 1991
- Assess:13 Report of the Baltic Salmon and Trout Assessment Working Group, Copenhagen, 19-26 March 1991
- Assess:14 Report of the Industrial Fisheries Working Group, Copenhagen, 20-27 March 1991
- Assess:15 Report of the Herring Assessment Working Group for the Area South of 62°N, Copenhagen, 2-12 April 1991
- Assess:16 Report of the Working Group on the Assessment of Demersal Stocks in the Baltic, Copenhagen, 3-12 April 1991
- Assess:17 Report of the Atlanto-Scandian Herring and Capelin Working Group, Copenhagen, 8-12 April 1991
- Assess:18 Report of the Working Group on the Assessment of Pelagic Stocks in the Baltic, Copenhagen, 15-25 April 1991
- Assess:19 Report of the Mackerel Working Group, Copenhagen, 23 April - 1 May 1991

- Assess:20 Working Group on the Assessment of the Stocks of Hake, Copenhagen, 29 April - 8 May 1991
- Assess:21 Report of the North-Western Working Group, Copenhagen, 1-8 May 1991
- Assess:22 Report of the Working Group on the Assessment of the Stocks of Sardine, Horse Mackerel, and Anchovy, Copenhagen, 18-27 June 1991
- Assess:23 Report of the Working Group on the Assessment of the European Eel, Dublin, 16-18 May 1991
- Assess:24 Report of the Working Group on Fisheries Units in Sub-areas VII and VIII, Nantes, France, 29 May - 5 June 1991
- Assess:25 Report of the Working Group on Methods of Fish Stock
Sess. S Assessment, St John's, Newfoundland, 20-27 June 1991

ACMP - ADVISORY COMMITTEE ON MARINE POLLUTION

ACMP:1* Agenda for the Advisory Committee on Marine Pollution -
 Consultation Meeting, 25 September 1991

*For ACMP only.

POLLUTION-RELATED WORKING GROUP REPORTS

- Poll:1 Report of the Working Group on Marine Sediments in Relation to
Ref.E Pollution, Copenhagen, 6-8 March 1991
Sess.T
- Poll:2 Report of the Working Group on the Statistical Aspects of Trend
Ref.D+E Monitoring, Copenhagen, 11-15 March 1991
- Poll:3 Report of the Working Group on Phytoplankton and the Management of
Ref.E+L Their Effects, Vigo, Spain, 18-21 March 1991
- Poll:4 Report of the Marine Chemistry Working Group, Brussels, 18-23
Ref.C+E March 1991
- Poll:5 Report of the Working Group on the Baltic Marine Environment,
Ref.C+E Kiel, 9-10 April 1991
- Poll:6 Report of the Working Group on Biological Effects of Contaminants,
Ref.E Copenhagen, 6-8 March 1991
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- Poll:7 Report of the Study Group on Biological Significance of Contami-
Ref.E nants in Marine Sediments, Copenhagen, 4-5 March 1991
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