

CONTRIBUTIONS TO BE PRESENTED AT THE STATUTORY MEETING

<u>CONTENTS</u>	<u>Page</u>
Gen General Assembly Reports and Papers of General Interest	1
Del Delegates Meetings	2
Fi Finance Committee	4
Pub Publications Committee	4
A Consultative Committee	5
B Fish Capture Committee	6
C Hydrography Committee	12
D Statistics Committee	19
E Marine Environmental Quality Committee	22
F Mariculture Committee	28
G Demersal Fish Committee	35
H Pelagic Fish Committee	44
J Baltic Fish Committee	52
K Shellfish Committee	56
L Biological Oceanography Committee	62
M Anadromous and Catadromous Fish Committee	67
N Marine Mammals Committee	72
Mini-Symposium on "Closed Experimental Systems: their Use in Ecological Research, particularly of Fish Larvae"	74
Papers for Theme Sessions	76
ACFM Advisory Committee on Fishery Management	78
Assessment Working Group Reports	79
ACMP Advisory Committee on Marine Pollution	81

THE HISTORY OF THE UNITED STATES

The history of the United States is a complex and multifaceted story that spans centuries. It begins with the early Native American civilizations, such as the Mayans, Aztecs, and Incas, who built sophisticated societies in the Americas. The arrival of European explorers in the late 15th and early 16th centuries marked the beginning of a new era of discovery and colonization. The United States was founded in 1776, and its history is characterized by a series of events, including the American Revolution, the Civil War, and the rise of the industrial revolution. The country has grown from a small, sparsely populated nation to a global superpower, and its history continues to shape the world today.

GEN - GENERAL ASSEMBLY REPORTS AND PAPERS OF GENERAL INTEREST

- Gen:1 "Observers' reports from cooperating organisations"
(with Addendum 1)
- Gen:2 "ICES activities in 1984/85"
- Gen:3 "Election of Committee Chairmen at the 73rd Statutory
Meeting" (E+F)
- Gen:4 "Report of IREP Study Group, Copenhagen, 10 - 13 April
Sess.Q 1985"
- Gen:5 "Advance Release of Tables 1-6 of Bulletin Statistique,
Vol. 69, 1984"
- Gen:6 "Report of meeting of the Programme Planning Group,
ICES, 9-10 May 1985"

DEL - DELEGATES DOCUMENTS

- Del:1* "Audited accounts for 1983/84 with balance sheet per 31/10 1984"
- Del:2* "Preliminary report on Administration"
- Del:3* "Reports of activities, 1984"
- Del:4* "Estimated accounts for the financial year 1984/85"
- Del:5* "Draft Budget for the financial year 1985/86" (E+F)
- Del:6* "Draft forecast budget for the financial year 1986/87" (E+F)
- Del:7* "Changes in the Rules of Procedure" (E+F)
- Del:8* "Elections and appointments by the Council at the 73rd Statutory Meeting" (E+F)
- Del:9* "Agreement on cooperation with EC Commission"
- Del:10* "Timing of Statutory Meeting Programme"
Ref. Cons.
Cttee
- Del:11* "Policy and rules governing the granting of Observer status at Statutory and other ICES Meetings"
- Del:12* "Invitations for the 77th Statutory Meeting"
- Del:13* "Tagged fish rewards"
Ref. Cons.
Cttee

Del:14* "Entanglement of marine mammals and other animals
Ref.Cons. in fishing gear and debris"
Cttee

Del:15* "Secretariat organisation and staffing plan"

Del:16* "Facilitation of scientific research in economic
zones"

PUB- PUBLICATIONS COMMITTEE

<u>No.</u>	<u>Author</u>	<u>Title</u>
Pub:1*		Agenda for the Publications Committee"
Pub:2*		"Review of publications"
Pub:3*		"Sale of ICES Publications during the last three years"
Pub:4*		"Journal du Conseil - Editor's Report"

REFERENCE PAPERS FOR THE PUBLICATIONS COMMITTEE

A:2*		"Citation status of papers"
A:3*		"The future of Annales Biologiques"
L:40	G Robinson	"Plankton Identifications Sheets, Editor's report, 1984/85"

FI - FINANCE COMMITTEE

Fi:1*		Agenda for the Finance Committee
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A - CONSULTATIVE COMMITTEE

- A:1* Agenda for the Consultative Committee.
- A:2* "Citation status of papers"
Ref. Pub.
Cttee
- A:3* " The future of Annales Biologiques"
Ref. Pub.
Cttee
- A:4* "List of recommendations for scientific research
from fish stock Assessment Working Groups"

REFERENCE PAPERS FOR THE CONSULTATIVE COMMITTEE

- Del:10* "Timing of Statutory Meetings"
- Del:13* "Tagged fish rewards"
- Del:14* "Entanglement of marine mammals and other
animals in fishing gear and debris"

B - FISH CAPTURE COMMITTEE

<u>No.</u>	<u>Author</u>	<u>Title</u>
B:1		"Report of Activities"
B:2	Comp.by P J G Carrothers	"International standards for fishing gear - a Review" (Citable)
B:3 Ref.K Sess. Z	Sea Fish Industry Authority	"Commercial application of separator panels in <u>Nephrops</u> trawls" (Citable)
B:4 Sess. Y	P Reynisson	"A method for measuring the equivalent beam angles of hull mounted transducers" (Not citable)
B:5 Sess. Y	Z M Berdi- chevsky	"Digital integrator for a quantitative assessment of biological resources" (Citable)
B:6	S F Efanov and V A Abrazumov	"Retaining ability and selectivity of hooked gear fishing" (Citable)
B:7		Withdrawn.
B:8 Sess.Y	P Souid	"Contribution à l'identification directe des détections acoustiques de bancs de poissons" (Not citable)
B:9 Ref.K	J Main and G I Sangster	"Report on the direct observation experiments with the chalut 28.90/37.1 m JCB trawl during 3-23 July 1984" (Not citable)
B:10	R Priestley, C S Wardle and C D Hall	"The Marine Laboratory remote controlled fishing gear observation vehicle" (Not citable)
B:11	R S T Ferro	"Some data on ground force coefficients for pair trawl wires" (Citable)

- B:12 P A M Stewart "Underwater observations on small mesh cod-
Ref. and J H B end covers" (Citable)
G,H,J Robertson
Sess.
Z
- B:13 "Report of the Working Group on Fishing
Technology and Fish Behaviour, Tromsø,
22-24 May 1985" (Not citable)
- B:14 J Main and "Recent studies in species separation with a
Ref.K G I Sangster two level trawl in three different fisheries"
Sess.Z (Not citable)
- B:15 E J Simmonds "A system for archiving acoustic surveys"
Sess.Y (Citable)
- B:16 E J Simmonds "Preliminary results from a wide band sonar
Sess. and system for fish abundance estimation"
Y P J Copland (Not citable)
- B:17 D N MacLennan "Precision of results from acoustic surveys"
Sess. and (Citable)
Y I G McKenzie
- B:18 Withdrawn.
- B:19 Withdrawn.
- B:20 E Armstrong "Target strength of sandeels"
Sess. and (Not citable)
Y J I Edwards
- B:21 J I Edwards "A free fall camera frame for measuring the
Ref.H and E Arm- shoaling parameters of wild free swimming
strong fish" (Not citable)
- B:22 S T Forbes "Progress in dual-beam target strength
Ref.H measurement on herring and blue whiting"
Sess.Y (Not citable)
- B:23 Withdrawn.
- B:24 P A M Stewart "Underwater observations on small mesh codend
Poster and covers"
Sess. J H B
Z Robertson
- B:25 T Jakobsen "Selectivity experiments with Danish seine on
Sess. cod and haddock in northern Norway"
Z

- B:26 K G Foote "Tilt angles of shoaling panned saithe"
Sess. and (Citable)
Y E Ona
- B:27 Withdrawn.
- B:28 K G Foote, "In situ fish target strengths derived with a
Sess. A Aglen and split-beam echo sounder" (Citable)
Y O Nakken
- B:29 K G Foote "Effect of swimming on fish target strength"
Sess. (Citable)
Y
- B:30 "Report of the Working Group on Fisheries
Sess.Y Acoustic Science and Technology (FAST), Tromsø,
20-22 May 1985"
- B:31 "Report of the ICES ad hoc Working Group
on Artificial Bait and Bait Attraction, Bergen,
28 -31 May 1985"
- B:32 M Aksland "Basic echo-trace-length statistics" (Citable)
Sess.Y
- B:33 S Falk- "Acoustic quantification of krill. Comparison of
Sess. Petersen acoustic backscattering models"
Y and
Aa.
Kristensen
- B:34 B van Marlen, "An introduction of direct observation techniques
J B van Duijn using a remotely controlled television vehicle
and on bottom trawls with square mesh cod-ends"
D J C Blijker
- B:35 A Kraaijenoord "Tests on a rake-trawl on fishery research
Ref. and vessel 'ISIS'" (Not citable)
K K Groeneveld
- B:36 J B Agricola "Experiments on electrical stimulation of flat-
fish in beamtrawling during 1984"
(Not citable)
- B:37 B van Marlen "Report of a seminar on electro-fishing at
RIVO-IJmuiden on 24 January 1985"
(Not citable)
- B:38 A Charuau "Expérimentation d'un chalut séparant la
Ref.K langoustine (Nephrops norvegicus) du poisson"
Sess. (Not citable)
Z

- B:39 P Degnbol "A software package for acoustic survey
Ref.D and evaluation" (Citable)
Sess. L Bangsborg
X
- B:40 K P Andersen "Sources and magnitude of random errors in
Ref.D and acoustic fish abundance estimate"
Sess. E Kirkegaard (Citable)
X
- B:41 H Lassen "Target strength of Baltic herring and sprat
Ref.J and measured in situ" (Citable)
Sess. K-J Ståhr
Y
B:42 Withdrawn.
- B:43 E Ona and "Direct measurements of equivalent beam angle
Sess. G Vestnes on hull-mounted transducers" (Citable)
Y
- B:44 E Ona and "Use of acoustics in studies of fish reaction
Sess. A Beltestad to imposed stimuli" (Citable)
Y
- B:45 A Bjordal "Full scale tests of improved longline gear"
(Not citable)
- B:46 J W Valdemarsen, "Vertical entrance into a trawl of Barents
Sess. A Engås and Sea gadoids as studied with a two level
Z B Isaksen fish trawl" (Citable)
- B:47 J P Hillis "Some observations on the separation of
Ref.K Nephrops from whiting and other fish by
Sess.Z separator trawls"
- B:48 ..Zauda "Polish selectivity investigations on cod
Sess. trawl cod-ends"
Z
- B:49 A Orlowski "Hydroacoustic characteristics of scattering
Sess. layers in the North-Eastern Atlantic Ocean
Y between latitudes 37⁰ - 46⁰ N and longitude
12⁰ - 30⁰ W: R/V 'Professor Siedlecki' cruise,
summer, 1984" (Not citable)

REFERENCE PAPERS FOR THE FISH CAPTURE COMMITTEE

- G:14 O M Smedstad "Acoustic estimates of saithe in the North Sea in 1984 and 1985"
- G:17 A Aglen, "An acoustic survey on 0-group gadoids in the northern North Sea and the Shetland-Orkney area, July 1984"
J Lahn-Johannessen
and O M Smedstad
- G:35 P A Large "The catchability of sole in the western English Channel"
and
R G Houghton
- G:40 D Dorel "Evaluation expérimentale des composantes de la capturabilité d'un chalut à perche - échantillonneur utilisé pour l'estimation d'abondance des juveniles de soles"
et al.
- H:4 "Acoustic survey on blue whiting in the Norwegian Sea, August-September 1985"
- H:32 D W McKay "Report on the acoustic surveys for sprat off the east coast of Scotland and northeast coast of England in the winters of 1983/84 and 1984/85"
and
J I Edwards
- H:34 E J Simmonds "Report on the 1984 herring acoustic survey in the northern North Sea"
et al.
- H:39 X Pastor "Acoustic abundance estimation of mackerel, sardine and bogue in Canary Islands waters, April 1984"
and A D de Molina
- H:44 G Biais "Evaluation acoustique du stock de hareng des Downs en novembre 1984. Campagne H.E.I.D. 84 - du 7 au 30 novembre 1984"
et al.
- H:47 P Degnbol, "Acoustical survey of herring in Skagerrak, Kattegat and the western Baltic in August-September 1984"
O Hagström
and
L E Palmén
- H:50 P O Johnson "1984 herring acoustic survey in the central North Sea"

- H:52 X Pastor, "Acoustic abundance estimation of pilchard
C Porteiro, (Sardina pilchardus Walb.) in Galician and
and A Lavin Cantabric waters. August 1983"
- H:59 S H i "An acoustic estimate of the blue whiting
Jakupsstovu spawning stock in April 1985"
and
B Thomsen
- J:4 O Hagström "Acoustic estimates of the herring and
the sprat stocks in the Baltic proper 1983
and 1984"
- J:24 A Ortowski "Hydroacoustic investigations in the Polish
et al. fishery zone in May 1985 - sprat and herring
biomass (herring biomass calculated according
to populations' composition)"
- K:7 P Newland "Some observations on orientation and swimming
and behaviour of Nephrops in relation to trawl
C Chapman capture"
- K:13 A Ribeiro- "About two trawl surveys on the south Portuguese
Cascalho coast shrimp grounds"
- K:18 D Buestel, "Estimation d'un stock naturel de coquilles
J C Dao et Saint-Jacques par une méthode combinant les
F Gohin dragages et la plongée. Traitement des résultats
par une méthode géostatistique"
- K:35 J T Addison "Pot selectivity and the size composition of
and S R J catches of lobster (Homarus gammarus L.) and
Lovewell crab (Cancer pagurus L.) on the east coast of
England"
- K:37 D B Bennett "Use of a quarterly yield-per-recruit model
for a Nephrops assessment"

C - HYDROGRAPHY COMMITTEE

<u>No.</u>	<u>Author</u>	<u>Title</u>
C:1	J Blindheim	"Procedures for collecting and processing of hydrographic data in Norway" (Citable)
C:2 Ref.E Sess.T		"Report of the Marine Chemistry Working Group, Copenhagen, 26 February - 1 March 1985"
C:3	R M Hendry	"Calibration of temperature measurements obtained from profiling CTD systems" (Citable)
C:4	A J van Bennekom, F Eijgenraam and R L Groenewegen	"Deep CTD calibrations: pressure effects on conductivity and <u>in situ</u> accuracy of temperature" (Not citable)
C:5	P M Saunders	"Collection, calibration and processing of CTD data at IOS"
C:6	J Crease	"The work of SCOR WG 51 on the evaluation of CTD data"
C:7	W J Gould, J Loynes and J Backhaus	"Seasonality in slope current transports NW of Shetland"
C:8	E M Gmitrowicz	"Low frequency analysis of currents at the entrance to the Rockall Channel" (Not citable)
C:9	P A Gurbutt	"Estimates of mixing on the continental slope from radium-228 measurements" (Not citable)
C:10 Ref.L	R J Chapman	"North Sea nutrient sampling in 1985 by the Fisheries Laboratory, Lowestoft, in support of C.Res.1976/4:6 and C.Res.1978/4:2" (Not citable)

- C:11 A R Folkard "Comparability of historical salinity data"
(Not citable)
- C:12 K J Medler "Calibration of the Guildline model 8705 digital
CTD: pressure and temperature effects on the per-
formance of the conductivity cell"(Not citable)
- C:13 K J Medler "Deep-water O-S relationships from different CTD
and instruments" (Not citable)
A R Folkard
- C:14 K J Medler "Calibration of the Guildline model 8705
and digital CTD: effects of temperature on the
N D Pearson pressure transducer" (Not citable)
- C:15 T Gytre "A new 3 axis ultrasonic current speed sensor for
measurements of microstructure velocities"
(Citable)
- C:16 Withdrawn.
- C:17 H W Riepma, "Mean residual displacements during the winter
P O Lagerweij season in the central North Sea and possible year
and to year fluctuations. Comparison of two models
J O Backhaus (first results)" (Not citable)
- C:18 E J A "Estimate of the exchange of the bottom waters
Kleverlaan south of the Dogger Bank on the basis of the
and temperature variation during summer"(Not citable)
L Otto
- C:19 Withdrawn.
- C:20 G Wegner "Changes in water mass distributions in the North
Sess.R Sea during spring 1984" (Not citable)
- C:21 R Ljøen and "Outflow of Skagerrak water to the North Sea during
R Sætre the summer 1984" (Not citable)
- C:22 Withdrawn.
- C:23 D J Ellett "Procedures and processing methods for CTD data
acquisition in the UK" (Citable)
- C:24 B Economides, "Observations of the radio-caesium and the
M S Baxter coastal current west of Scotland during 1983-
and D J 1985" (Citable)
Ellett

- C:25 C R Griffiths "Comparison of near-surface currents measured by
et al. acoustic and electromagnetic current meters with
HF radar current measurements"
- C:26 H-J Brosin "Some remarks on regional differences in the
Ref.L and spectral reflectance of sea water"
H Siegel (Citable)
- C:27 H Siegel "On the relationship between the concentration of
Ref.L chlorophyll a and the reflectance colour indices"
(Citable)
- C:28 E Fahrbach, "North Atlantic current transport across the mid-
J Meincke Atlantic Ridge"
and A Sy
- C:29 J Backhaus "North Sea circulation anomalies in response to
et al. varying atmospheric forcing"
- C:30 J Backhaus "Circulation and recruitment: North Sea"
Sess.R and
J Bartsch
- C:31 D Quadfasel "Mesoscale variability of the flow field in the
et al. Norwegian Trench"
- C:32 A Sy "Principles of collecting and processing of Multi-
sonde-CTD data at the Institut für Meereskunde in
Kiel, Federal Republic of Germany" (Citable)
- C:33 A Sy "The influence of long-time variability on the
quality of bottled salinity samples for in situ
calibrations"
- C:34 R H Gonter "Mid-1960s oceanic temperature anomaly between
Nova Scotia and Cape Hatteras"
- C:35 T G Jensen "Current conditions along the Danish west coast"
and (Citable)
S Jonsson

- C:36 T Jensen "The Jutland current Fall 1984 and Spring 1985"
Sess. and (Not citable)
R V Olsen
- C:37 T Wojewodzki "The distribution of temperature, salinity and
oxygen content in the North-East Atlantic
during the expedition 'Open Ocean 84'" (Not
citable)
- C:38 K P Kolter- "New evidence for a deep boundary current of
mann Polar origin through Fram Strait"
- C:39 K P Koltermann "On the climatological mean state distribution
and D Machoczek of temperature and salinity in the Greenland
Sea"
- C:40 ICES "Hydrographer's report"
Hydrographer
- C:41 "Report of Working Group on Shelf Seas Hydrography,
Sess. Hamburg, 13-14 May 1985"
T
- C:42 "Report of Working Group on Marine Data Manage-
Sess. ment, Bergen, 21-24 May 1985"
T
- C:43 "Report of Working Group on Oceanic Hydrography,
Sess. Thorshavn, Faroes, 6-7 June 1985"
T
- C:44 I M Davies "Chloroform as a preservative of deep sea water
Ref.L samples for reactive phosphate analysis"
(Citable)
- C:45 "Report of Working Group on Coordination of
Sess. Hydrographic Investigations in the Baltic,
T London, October 1985"
- C:46 U H Brockmann "Distribution of nutrients in the North Sea
Sess. and G Kattner during February, May and July, 1984"
R (Not citable)

- C:47 H Pitkänen, "Areal variation and trends in the nutrient con-
Ref.L P Tulkki and centrations of Baltic waters around Finland"
P Kangas
- C:48 S H Fonselius "Long-term variability of hydro-chemical para-
meters at a representative hydrographic station
in the Gulf of Bothnia" (Not citable)

REFERENCE PAPERS FOR THE HYDROGRAPHY COMMITTEE

- E:7 "Report of the ad hoc Sub-Group on Trace Organic
Compounds" Under the Marine Chemistry Working
Group, 24-25 February, 1985"
- E:8 "Report of the ad hoc Sub-Group on Trace Metal
Analysis, Copenhagen, 25 February 1985"
- E:17 D H Loring "ICES Intercalibration for Trace Metals in
Marine Sediments (1/TM/MS) - a preliminary
report"
- F:35 R J Gowen, "The ecological impact of salmon farming in
N B Bradbury Scottish coastal waters: a preliminary
and J R Brown appraisal"
- G:4 M G Larraneta "Polar motion and cod catches in the Arctic
and A Vazques Ocean"
- G:8 I V Borkin "Results of investigations on Polar cod in the
and Barents Sea in 1981-1984"
V N Shleinik
- G:31 T D Iles "Current selection and the structure of North
Sea plaice populations - a review"
- G:55 Sv-Aa. "Growth of cod and capelin in relation to
Malmberg hydrographic conditions in Icelandic waters
1969-1984"
- G:59 J Olafsson "Recruitment in Icelandic haddock and cod
stocks in relation to variability in the
physical environment"
- H:12 A I Krysov "Spawning efficiency of Atlanto-Scandian
et al. herring in 1984"

- H:17 V G Kolesnikov "Experience of long-term forecasting of cyclic fluctuations of Atlanto-Scandian herring strength"
- H:29 M R Heath et al. "Hydrographic influences on the distribution of herring larvae in the Orkney-Shetland area"
- H:43 T D Iles and M Sinclair "An instance of herring larval retention in the North Sea"
- H:51 J H Nichols et al. "Sampling a patch of herring larvae using an 'Argos' satellite-tracked buoy as a marker"
- H:57 "Report on joint Soviet-Icelandic hydrobiological investigations in the Norwegian Sea and Icelandic waters in May-June 1985"
- H:70 H Dooley "Bottom temperature and salinity of the North Sea during the International Young Fish Survey 1985"
- J:2 B K Evtjukhova "The dynamics of structure and stock quality in herring of the northern and eastern Baltic and in the Gulf of Finland in connection with environmental factors"
- L:5 E M Kostrichkina et al. "On the influence of oceanographic conditions on the long-term abundance dynamics of zooplankton in the Gulf of Riga"
- L:12 K-G Barthel "Zooplankton food uptake in partially ice-covered Fram Strait in summer 1984"
- L:14 T D Iles and J B Sochasky "Drift and current selection, transport and retention, dispersal and homing; a review of concepts and principles relevant to the temporal and spatial organization of marine systems"
- L:15 D G Mountain "Influence of circulation on Georges Bank recruitment - hypotheses, results and problems"

- I:23 V Christensen "Investigations on the relationship of
et al. herring larvae, plankton production and hydro-
graphy at Aberdeen Bank, Buchan area, September
1984"
- I:38 B J Rotschild "Feasibility of relating recruitment to
environmental variation", 2"

D - STATISTICS COMMITTEE

<u>No.</u>	<u>Author</u>	<u>Title</u>
D:1		Withdrawn.
D:2 Ref.G, H,J	J E Powers	"Estimators of population abundance indices using catch per unit effort distributions" (Citable)
D:3 Sess. X	F Gohin	"Planification des expériences et interprétation par la théorie des variables régionalisées: application à l'estimation de la biomasse d'une plage" (Citable)
D:4 Ref. G,H,J	P Lewy	"Integrated Stochastic Virtual Population Analysis (ISVPA) applying catch, effort and survey information" (Not citable)
D:5	T Aarup	"Experiences with the scientific computer system at R/V 'Dana'" (Citable)
D:6		Withdrawn.
D:7 Ref. G,H,J	T Helgason and M C Kenward	"Estimation of fishing power with relation to exploited biomass" (Citable)
D:8	ICES Statistician	"Statistician's Progress Report 1984/85"
D:9 Sess. X	R C Hennemuth, G P Patil and C Taille	"Can we design our encounters?" (Not citable)
D:10		Withdrawn.
D:11 Sess.X	J Pope and L Woolner	"Improving the sampling design of Western mackerel egg surveys"

- D:12 J B Pérodou "Contribution à l'analyse des stocks de lieu noir
Ref.G et (*Pollachius virens*): désaisonnalisation des
B Fontaine séries mensuelles et sectorielles des captures
par unité d'effort (CPUE)" (Not citable)
- D:13 H Dupouy, "Influence de la sédentarité des individus sur
Ref. J L Durand la relation entre mortalité par pêche et effort
G,H,J et de pêche: application aux stocks exploités par les
A Biseau arts trainants"
- D:14 D L Roddick "A method for the generation of catch-at-age data"
and (Citable)
R K Mohn

REFERENCE PAPERS FOR THE STATISTICS COMMITTEE

- B:39 P Degnbol "A software package for acoustic survey
and evaluation"
L Bangsborg
- B:40 K P Andersen "Sources and magnitude of random errors in
and acoustic fish abundance estimate"
E Kirkegaard
- E:10 "Report of the meeting of the ad hoc Sub-Group
of Statisticians assisting the WGMPNA on Trend
Monitoring Issues, Copenhagen, 10-12 April 1985"
- E:20 S Chang "Examining statistical associations of con-
et al. tamination-indicator benthic species with
sediment grain size and contaminants in the
New York Bight"
- E:21 S Chang "Interpretation of synergistic and antagonistic
and A effects of multiple factor combinations in
Longwell 'nature'"
- E:31 M D Nicholson "The treatment of time-effects in the
statistical analysis of contaminant monitoring
data"
- E:32 M D Nicholson "The precision of estimated mean levels of
and metals in fish tissue"
J E Portmann

- E:34 R K Misra "The analysis of time trends in contaminant levels in Canadian Atlantic cod (Gadus morhua).
1. Choice of a multiple linear regression (MLR) model"
- E:35 R K Misra "The analysis of time trends in contaminant levels in Canadian Atlantic cod (Gadus morhua).
et al. 2. Identification of outlying observations in the multiple linear regression (MLR) model analyses"
- E:36 R K Misra "The analysis of time trends in contaminant levels in Canadian Atlantic cod (Gadus morhua).
and J F Uthe 3. Employing multivariate linear models"
- K:31 D Maynard, "Calibration of aerial surveys of lobster
G Conan and fishing effort"
E Wade
- L:17 R Goulet "Data management for analysis of large marine
Jr. ecosystems"

E - MARINE ENVIRONMENTAL QUALITY COMMITTEE

<u>No.</u>	<u>Author</u>	<u>Title</u>
E:1		Report of Activities
E:2 Sess.V	V Dethlefsen	"Review on the effects of dumping of wastes from titaniumdioxide production in the German Bight" (Not citable)
E:3 Sess.R		"Report of the meeting of the Study Group on Patchiness Investigations in the Baltic Sea (PEX), Rostock, 5-7 February 1985" (Not citable)
E:4		Withdrawn.
E:5	S J de Groot	"Report on specific terms of reference for a new working group on the effects of sand and gravel extraction" (with an Addendum) (Not citable)
E:6 Sess.T		"Report of the Third Meeting of the Working Group on Pollution-Related Studies in the Skagerrak and Kattegat, Göteborg, 30-31 January 1985"
E:7 Ref.C		"Report of the <u>ad hoc</u> Sub-Group on Trace Organic Compounds (Under Marine Chemistry Working Group) Copenhagen, 24-25 February 1985"
E:8 Ref.C		"Report of the <u>ad hoc</u> Sub-Group on Trace Metal Analysis, Copenhagen, 25 February 1985"
E:9 Sess.T		"Report of the ICES/SCOR Working Group on the Study of the Pollution of the Baltic, Helsinki, 1-3 April 1985"
E:10 Ref.D Sess.X		"Report of the meeting of the <u>ad hoc</u> Sub-Group of Statisticians assisting the WCMFNA on Trend Monitoring Issues, Copenhagen, 10-12 April 1985"
E:11 Ref.L Sess.T		"Report of the Working Group on Marine Sediments in Relation to Pollution, Charlottenlund, 6-8 May 1985"

- E:12 P Moro- "New data to metal-binding ability of low-weight
zov et al. cystin containing proteins (CD-tioneins) in tilapia
(Tilapia mossambica)"
- E:13 L Reuter- "Marine monitoring of organochlorine compounds,
Sess. gårdh and selection of media in relation to trends and
T M Olsson detection levels"
- E:14 S Meller- "Fish diseases in eastern North Sea dab
Ref. gaard and (Limanda limanda) population, with special
F and E Nielsen reference to the epidemiology of epidermal
G hyperplasias/papillomas" (Not citable)
- E:15 S Meller- "Myxobolus infections in plaice (Pleuronectes
Ref.F gaard and platessa)"
and G E Nielsen
- E:16 G Topping "Quality of data in relation to marine environmental
Sess.T research monitoring"
- E:17 D H Loring "ICES Intercalibration for Trace Metals in Marine
Ref.C Sediments (1/TM/MS) - a preliminary report"
(Citable)
- E:18 C Vale "A mussel watch in the Portuguese coast, 1984"
et al. (Not citable)
- E:19 A Jacobsson, "The viviparous blenny (Zoarces viviparus L.) as an
Sess. E Neuman indicator of biological effects of harmful substances"
V and (Citable)
G Thoresson
- E:20 S.Chang "Examining statistical associations of contamination-
Ref.D et al. indicator benthic species with sediment grain size
Sess. and contaminants in the New York Bight"
X
- E:21 S.Chang "Interpretation of synergistic and antagonistic
Ref. and effects of multiple factor combinations in nature"
D,F A Long- (Citable)
Sess. well
X

- E:22 J F Uthe "Studies on cadmium in sea scallops (Placopecten
and magellanicus) from clean and contaminated areas"
C L Chou (Not citable)
- E:23 R A A "The effects of oil-based drill-muds in sediments
Sess. Blackman on the settlement and development of biota in a
V et al. 200-day tank test" (Not citable)
- E:24 C D Byrne, "Measurements of the dispersion of liquid industrial
Sess. R J Law waste discharged from ships.1. Measurement by means
V and of a towed fluorimeter and other in situ techniques"
P M Hudson (Not citable)
- E:25 C D Byrne "Measurements of the dispersion of liquid industrial
Sess. et al. waste discharged from ships.2. Studies using UV
V fluorescence and bioassay techniques" (Not
citable)
- E:26 D Chapman "Preliminary observations on the interactions
Sess. between plankton and sewage sludge dumped at sea"
V (Not citable)
- E:27 H. L Rees "Benthic studies at an offshore sewage sludge
Sess. et al disposal site" (Not citable)
V
- E:28 J E Thain "The growth of bivalve spat exposed to organo-tin
Ref. and leachates from antifouling paints" (Not citable)
K M J Waldoock
Sess.
V
- E:29 M J Waldoock "The comparative leach rates and toxicity of two
Ref.K and fish net antifouling preparations"(Not citable)
Sess. J E Thain
V
- E:30 C J Musial "A rapid scanning method for the determination of
and polycyclic aromatic hydrocarbon contamination of
J F Uthe shellfish from contaminated areas"(Not citable)
- E:31 M D "The treatment of time-effects in the statistical
Ref.D Nicholson analysis of contaminant monitoring data"
Sess. (Not citable)
X

- E:32 M D "The precision of estimated mean levels of metals
Ref.D Nicholson in fish tissue" (Not citable)
Sess. and J E
X Portmann
- E:33 J Farrington et al. "ICES/IOC Intercomparison Exercise for the Determination of Petroleum Hydrocarbons in Biological Tissues (mussel homogenate) - ICES (2HC/BT) MCWG"
- E:34 R K Misra "The analysis of time trends in contaminant levels
Ref.D in Canadian Atlantic cod (Gadus morhua). 1. Choice
Sess.X of a multiple linear regression (MLR) model"
(Not citable)
- E:35 R K Misra "The analysis of time trends in contaminant levels
Ref.D et al. in Canadian Atlantic cod (Gadus morhua). 2. Identification
Sess. of outlying observations in the multiple
X linear regression (MLR) model analyses" (Not
citable)
- E:36 R K Misra "The analysis of time trends in contaminant levels
Ref.D and J F Uthe in Canadian Atlantic cod (Gadus morhua).3. Employing
Sess. multivariate linear models" (Not citable)
X
- E:37 Withdrawn.
- E:38 Withdrawn.
- E:39 E Ona "Acoustic detection of suspended sediment discharges"
Sess.
V
- E:40 H Ackefors "Swedish experiences of the impact of aquaculture
Ref.F and S A on the environment"
Sess. Södergren
W
- E:41 Withdrawn.
- E:42 D Bucke "Are epidermal anomalies the best criteria for
Ref.F assessing the health status of fish?" (Not citable)
and G
- E:43 Withdrawn.
- E:44 A Jensen "Geographical trends in the concentration of heavy
metals in blue mussels from the German Bight to
Hirtshals in 1983. Preliminary report" (Citable)
- E:45 H C Freeman, "The effects of an acidic river on weight gain,
Ref.M and steroidogenesis, and reproduction in Atlantic
Sess. G B Sangalang salmon (Salmo salar)" (Not citable)
V

- E:46 J F Uthe, "Report on the intercomparative study O3/HC/BT on
C J Musial the determination of polycyclic aromatic hydro-
and carbons in biological tissue" (Not citable)
G R Sirota
- E:47 R E Clement "An investigations on lobsters (Homarus americanus)
et al. for the presence of chlorinated p-dioxins and
dibenzo furans" (Not citable)
- E:48 "Report of Study Group on Biological Effects
Techniques, Hirtshals, 16-18 April 1985"
- E:49 Withdrawn.
- E:50 V Hilge and "Distribution of chlorinated hydrocarbons in the
E Huschenbeth fillet of catfish" (Citable)

REFERENCE PAPERS FOR THE MARINE ENVIRONMENTAL QUALITY COMMITTEE

- C:2 "Report of the Marine Chemistry Working Group,
Copenhagen, 26 February - 1 March 1985"
- F:5 "Report of the Working Group on Pathology and
Diseases of Marine Organisms, Hirtshals, 16-19
April 1985"
- F:35 R J Gowen, "The ecological impact of salmon farming in
N B Bradbury Scottish coastal waters: a preliminary
and J R Brown appraisal"
- M:4 L Tent "Influence of water quality of the Lower
Elbe upon sea trout migration to spawning
grounds"
- N:10 B Clausen "Health status of the Harbour porpoise from
Danish waters"
- N:12 Ph. Babin "Intoxication due aux hydrocarbures ingérés
et par Halichoerus grypus et Phoca vitulina"
R Duguay

- N:13 D Martineau, "Pathology, toxicology and effects of contaminants on the population of the St. Lawrence Beluga (Delphinopterus leucas), Québec, Canada"
B Béland
and C Desjardins
- N:15 "Report of the Working Group on Baltic Seals, Cambridge, September 1985"
- N:21 A Bergman "Pathology of Baltic grey seal (Halochoerus
and gryphus) and ringed seal (Pusa hispida) with
M Olsson special reference to adrenocortical hyper-
plasia: is environmental pollution the cause of
a widely distributed disease syndrome?"

F - MARICULTURE COMMITTEE

<u>No.</u>	<u>Author</u>	<u>Title</u>
F:1		Report of Activities
F:2	S J de Groot	"Preliminary review of introductions of non-indigenous fish species in the Netherlands" (Not citable)
F:3	E Hoffmann	"Production strategies in Danish marine trout farms" (Citable)
F:4 Ref.M	V Tsuladze	"The culture of rainbow trout in coastal basins with fresh and sea water" (Citable)
F:5 Ref.E,K Sess.T		"Report of Working Group on Pathology and Diseases of Marine Organisms, Hirtshals, 16-19 April 1985"
F:6 Ref.G Sess. S	E Kjørs- vik and T Haug	"A preliminary report on the spawning season of the Atlantic halibut, <u>Hippoglossus hippoglossus</u> , in Malangen, north Norway"
F:7 Ref.M	R Wootten	"Experience of sea lice infestations in Scottish salmon farms" (Citable)
F:8	S Falk- Petersen <u>et al.</u>	"Lipid class and fatty acid composition of eggs from the Atlantic halibut, <u>Hippoglossus hippoglossus</u> ". (Not citable)
F:9 Ref.G	T Svåsand	"Preliminary results from tagging and release of artificially reared 0-group coastal cod (<u>Gadus morhua</u> L.) in western Norway" (Not citable)
F:10 Ref.G	T Svåsand and T Kristian- sen	"Release of artificially reared 0-group coastal cod (<u>Gadus morhua</u> L.) in a landlocked fjord in western Norway" (Not citable)

- F:11 G Krüner, "Degradation efficiency of a submerged rotating
H Rosenthal contactor using activated carbon"
and E Plümke
- F:12 R Andjus, "Experimental simulation of system break-down
Sess. G Konjevic under intensive culture conditions and its
W and effect on water quality"
H Rosenthal
- F:13 H Rosenthal "Follow-up study on water quality variations
Sess. et al. in circular tanks of commercial trout culture
W units"
- F:14 E Ringø "Initial feeding of cod (Gadus morhua L.) larvae
and on an artificial diet"
G Molvik
- F:15 J Chr.Holm "Live and frozen freshwater zooplankton as alter-
Ref.M native startfeeding diets for Atlantic salmon
in trays" (Not citable)
- F:16 J Chr.Holm "Use of live freshwater zooplankton for start-
Ref.M feeding Atlantic salmon in net pens"(Not citable)
- F:17 J Chr.Holm, "Increased growth rate in Atlantic salmon parr
Ref.M P Jakobsen by using a two-colour diet" (Not citable)
and
G H Johnsen
- F:18 Withdrawn.
- F:19 E Sola "First results obtained about the contents in
et al. lipid,protein, water, ash and free fatty-acids
in some species of sea-fish most commonly used
in feeding in aquaculture" (Not citable)
- F:20 A Long- "Subverting random segregation of genes to
Ref. well produce clones of superior performing molluscs,
K and fish or crustaceans" (Citable)
M
- F:21 M J Phillips, "Waste output and environmental effects
Sess. M C M Bever- of rainbow trout cage culture" (Not citable)
W ridge and
J F Muir

- F:22 P G Kvenseth "Pilot scale studies of intensive cod farming
B R Braaten in Norway" (Not citable)
and
S L Gokstad
- F:23 Withdrawn.
- F:24 O J Torrissen "Pigmentation of salmonid - a comparison of
Ref.M astaxanthin and cantaxanthin as pigment
sources for rainbow trout" (Not citable)
- F:25 T Hansen "The transfer of Atlantic salmon (Salmo salar)
Ref.M with constricted yolk sacs to an artificial
hatching substrate" (Not citable)
- F:26 Withdrawn.
- F:27 R Nortvedt "The effect of illumination on alevins of Atlantic
Ref.M et al. salmon (Salmo salar) and rainbow trout (S. gaird-
neri), incubated on different substrates"
- F:28 Withdrawn.
- F:29 Y Ulgenes "The influence of a simulated transportation of
Ref. M newly fertilized Atlantic salmon eggs on mortality
during the eyed stage" (Not citable)
- F:30 Withdrawn.
- F:31 G D K Taranger "Artificial hatching substrate, effect on RNA/
Ref.M et al. DNA ratio and protein retention during the
yolk-sac period of Atlantic salmon (Salmo
salar)"
- F:32 S Steffanson "The effect of different photoperiods on growth
Ref.M et al. and smoltification in Atlantic salmon (Salmo
salar)" (Not citable)
- F:33 H Paulsen, "Extensive rearing of turbot larvae (Scophthalmus
Sess. P Munk and maximus) on low concentrations of natural plankton"
Q T Kjørboe (Citable)
- F:34 H Rosenthal "Recent observations on environmental effects of
Sess.W large-scale cage culture in Japanese coastal
waters"
- F:35 R J Gowen, "The ecological impact of salmon farming in
Ref.E+C; N B Bradbury Scottish coastal waters: a preliminary
Sess.W and J R Brown appraisal" (Not citable)

- F:36 J Iglesias "Ongrowing of turbot, Scophthalmus maximus
Sess. et al. L. in the Ria de Vigo (NW Spain)" (Not citable)
Q
- F:37 A Ervik, "Environmental effects of marine Norwegian
Sess. P Johannessen fishfarms"
W and J Aure
- F:38 I Huse and "Qualitative and quantitative behaviour
Sess. A B Skiftesvik studies in starving and feeding turbot
Q (Scophthalmus maximus) larvae" (Not citable)
- F:39 E Egidius "Vaccination of juvenile cod against vibriosis"
- F:40 "Publications of interest to the Mariculture
Committee (1984)" (Citable)
- F:41 J D Castell "Evaluation of two formulations for use as a
Ref.K et al. standard reference diet for Crustacean nutrition
research"
- F:42 B Strand "An automatic feeding system for culturing rotifers
and I Huse with dry feed" (Citable)
- F:43 A P Camacho "First data on raft culture of Manila clam
Ref.K and M A Cuña (Ruditapes philipinarum) in the Ria de Arosa
(NW Spain)" (Not citable)
- F:44 M A Strumski, "Agar production in Gracilaria tikvahiae
K T Bird (Rhodophyta)" (Not citable)
and
J H Ryther
- F:45 J W Tucker Jr. "Experimental culture of snook, Centropomus
spp." (Not citable)
- F:46 R Leroy "Hatchery production and nursery culture on the
Ref.K Creswell angel wing clam, Cyrtopleura costata, a poten-
and tial bivalve species for culture in sub-tropical
M Schilling waters" (Not citable)
- F:47 A M Leal "Incubation des cystes d'Artemia salina Leach,
Ref.K dans deux salines du littoral Portugais"
- F:48 T Neudecker "Inhibitory effect of low salinity on metamor-
Ref.K phosis of Crassostrea gigas Thunberg larvae"

- F:49 A Fliedner "Immunprophylaxis against vibriosis in rainbow trout in brackish water" (Citable)
- F:50 J Gutt "Metabolism and growth of juvenile flounder (Platichthys flesus L.) reared at different salinities and in fresh-water" (Not citable)
- F:51 G Quantz "Effect of temperature and prey density on feeding of turbot (Scophthalmus maximus) larvae under laboratory conditions" (Not citable)
Ref.L
Sess.Q
- F:52
Withdrawn.
- F:53 M Seaman "Growth and chemical composition of oysters, Crassostrea gigas in relation to environmental factors in Flensburg Fjord during 1982-83" (Not citable)
Ref.K
- F:54 B Ueberschär "Experiments on the development of proteolytic enzyme activity in turbot larvae (Scophthalmus maximus)" (Not citable)
- F:55 B Voss and "Effects of fish meal replacement in turbot feeds by other protein sources" (Not citable)
W Nellen
- F:56 U Waller "The metabolism of juvenile turbot, S. maximus, with respect to temperature, salinity and feeding" (Not citable)
- F:57 V Hilge "A comparison of trickling filter and submerged upflow filter performances with fish tank effluent" (Citable)
Sess. et al.
W
- F:58 "Report of Working Group on Exceptional Algal Blooms, Dublin, Ireland, 23-25 April 1985"
Sess. T
- F:59 "Report of Working Group on Genetics, Umeå (Sweden) 29-30 May 1985"
Sess.T
- F:60 "Report of Working Group on Introductions and Transfers of Marine Organisms, Gothenburg, Sweden, 28-31 May 1985"

- F:61 M Castagna, "A rapid method to induce spawning in a number of
M C Gibbons bivalve species by injection of serotonin solution"
and (Citable)
J Goodsell
- F:62 K R Tenore, "Effects of intense mussel culture on food chain
Sess. J Corral patterns and production in coastal Galicia, NW
W and Spain" (Not citable)
N Gonzalez
- F:63 A Folkvord "Massproduction of juvenile Atlantic cod (Gadus
Ref.G et al. morhua L.) in a pond: results and new
approaches in 1985" (Not citable)
- F:64 C J Sinder- "Introductions and transfers of marine organisms"
mann, organisms: a proposal for Council action"
B I Dybern (Not citable)
and
H Rosenthal
- F:65 L Berg "Production of juvenile flatfish species in
et al. differently sized mesocosms" (Not citable)
- F:66 G Höner, "Rearing of juvenile Sarotherodon galilaeus in
Sess. H Rosenthal laboratory aquaria: 1. Fluctuations of water
and quality"
W G Krüner

REFERENCE PAPERS FOR THE MARICULTURE COMMITTEE

- E:14 S Meller- "Fish diseases in the eastern North Sea dab
gaard and (Limanda limanda) population, with special
E Nielsen reference to the epidemiology of epidermal
hyperplasias/papillomas"
- E:15 S Meller- "Myxobolus infections in plaice (Pleuronectes
gaard and platessa)"
E Nielsen
- E:21 S Chang "Interpretation of synergistic and antagonistic
and A effects of multiple factor combinations in
Longwell 'nature'"

- E:40 H Ackefors "Swedish experiences of the impact of aqua-
and culture on the environment"
S A Södergren
- E:42 D Bucke "Are epidermal anomalies the best criteria for
assessing the health status of fish?"
- K:11 A M Leal "The oysters from the southern coast of Portugal
and their distribution"
- K:12 A M Leal "The growth of oysters Crassostrea angulata
(Lamarck, 1818) in Albufeira lagoon"
- K:15 R Dijkema, "Growth and mortality in the first year of
C S Vroon- spat of the European flat oyster (Ostrea edulis
land and L.) on commercial plots in marine lake Greve-
J Bol lingen (SW Netherlands)"
- K:39 P J Dare "The status of Mytilocola intestinalis Steuer
as a pest of mussel fisheries: harmful
parasite or benign commensal?"
- K:51 P F Millican "The seasonal variations in the levels of meat
and content, lipid and carbohydrate in Mercenaria
D R Williams mercenaria L. and Tapes semidecussata Reeve
grown in fertilized and unfertilized water"
- L:25 M P Olivar "Chorion ultrastructure of some Southeast
Atlantic fish eggs"
- M:8 R A Myers "Mating of anadromous Atlantic salmon, Salmo
and J A salar L., with mature male parr"
Hutchings
- M:17 A F Youngson "Changes in steroid hormone levels in blood
and serum as an early predictor of approaching
H A McLay maturity in Atlantic salmon (Salmo salar L.)"
- M:25 A Longwell "Triploid salmon as an inexpensive, practical,
effective means of estimating national contri-
butions to a sea fishery"

G - DEMERSAL FISH COMMITTEE

<u>No.</u>	<u>Author</u>	<u>Title</u>
G:1		Report of Activities
G:2		"Report of the O-Group North Sea Flatfish Working Group, IJmuiden, 21-25 November 1983"
G:3	J Zamarro	"On food of <u>Gadus morhua</u> in the Arctic Ocean" (Not citable)
G:4 Ref.C	M G Larraneta and A Vazques	"Polar motion and cod catches in the Arctic Ocean" (Not citable)
G:5	S Ehrich	"Results of a second bottom trawl survey by the German R/V "Walther Herwig" on Rockall Bank in July 1984" (Not citable)
G:6 Sess. S	P I Savva- timsky	"Features of spawning concentrations of rough-head grenadier <u>Macrourus berglax</u> L. at the Norwegian coast" (Citable)
G:7 Sess. S	M V Kovt- sova and G P Nizovtsev	"Peculiarities of growth and maturation of Greenland halibut of the Norwegian-Barents Sea stock in 1971-1984" (Citable)
G:8 Ref.C	I V Borokin and V N Shleinik	"Results of investigations on Polar cod in the Barents Sea in 1981-1984" (Citable)
G:9 Ref.L	I N Sima- cheva and A A Glukhov	"Feeding of long rough dab in the Barents Sea" (Citable)
G:10	R V Melyant- sev and V Z Salmov	"Estimate of abundance of cod year classes according to young fish survey data" (Citable)
G:11	F E Alek- seev	"Parameters of sexual maturation in studying of functional structure of the distribution area and population structure of the fish with ontogenetic spatial differentiation"

- G:12 M Azevedo "Indices of abundance of sea-breems from groundfish surveys in the Portuguese continental coast (Div. IXa) for the period 1979-83" (Not citable)
- G:13 A I Pavlov "Some aspects of biology and distribution of redfish in the open Irminger Sea"
Sess. et al.
S
- G:14 O M Smed- "Acoustic estimates of saithe in the North Sea
Ref.B stad in 1984 and 1985" (Citable)
- G:15 P Ernst "Results of the GDR-Groundfish Survey conducted in the Svalbard area in 1984" (Citable)
- G:16 G Haunschild "Results of investigations on redfish (Sebastes
and mentella) in the Svalbard area from 1981 to
B Vaske 1984". (Citable)
- G:17 A Aglen, "An acoustic survey on 0-group gadoids in the
Ref.B J Lahn- northern North Sea and the Shetland-Orkney
Johannessen area, July 1984" (Not citable)
and O Smed-
stad
- G:18 O R Godø "A preliminary report on the migration and
Sess. and recruitment to the commercial stock of Greenland
S T Haug halibut, Reinhardtius hippoglossoides, in the
Svalbard area" (Not citable)
- G:19 E Nielsen "Preliminary investigations of 0- and 1-group
and plaice surveys in the Kattegat in the period
O Bagge 1950-1984" (Not citable)
- G:20 R M Cook "The use of yield per recruit in saithe assess-
ments" (Citable)
- G:21 R Jones "Population regulation and implications for the
Ref.H and E W recruitment process in fish"
and L Henderson (Citable)
Sess.Q
- G:22 K Nedreaas "Food and feeding habits of young saithe,
Pollachius virens (L.) on the coast of western
Norway" (Not citable)
- G:23 T Jakobsen "Tagging of saithe on the Norwegian coast in
1978-1980" (Citable)

- G:24 T Jakobsen "Tagging of Pollack on the Norwegian west coast in 1979" (Citable)
- G:25 J dos Santos "Seasonal changes in the stomach weight content of cod (Gadus morhua) from Sub-Arctic fjords" and S Falk-Petersen
- G:26 A Fernández "Data on the West Ireland hake fishery" (Not citable)
- G:27 A C Fariña "Length/weight and length/girth relationships and of West Ireland hake" (Not citable)
A Fernández
- G:28 D J Symonds, "Effect of a small-meshed fishery on the stocks of pre-recruit plaice and sole" (Not citable) and K M Brander
- G:29 M Des-marchelier "Croissance et reproduction du tacaud (Trisopterus luscus L.1758) en Manche est et sud Mer du Nord" (Citable)
- G:30 M Tassel, "Répartition et abondance d'une espèce de limande (Limanda limanda L.) et de trois espèces marchelier tacauds (Trisopterus luscus L., Tr. minutus L., et T Coppin Tr. esmarkii L.) en Mer du Nord" (Citable)
- G:31 T D Iles "Current selection and the structure of North Sea Sea plaice populations, a review" (Not citable)
Ref.C
Sess.
S
- G:32 B Fontaine, "Rapport préliminaire sur les marquages du lieu noir en Mer du Nord et dans l'ouest de l'Ecosse" A Souplet et J L Dufour (Citable)
- G:33 Ph. Moguedet "Contribution à l'étude de la biologie et de la croissance linéaire de la lingue bleue (Molva dypterygia Pennant 1784) du secteur CIEM VIa" (Not citable)
- G:34 A Laurec "Rendements par recrue et analyse des cohortes de Jones - étude de la sensibilité" (Citable)
Ref.K

- G:35 P A Large "The catchability of sole in the western English
Ref.B and Channel" (Not citable)
R G Houghton
- G:36 H Dupouy et "Données sur la croissance de la baudroie blanche
B Kergoat (Lophius piscatorius) des côtes françaises de
l'Atlantique (Divisions CIEM VII et VIII)"
(Not citable)
- G:37 G Aubin- "Sur quelques caractéristiques biologiques de la
Ottenheimer cardine (L. Whiff-iaonis) capturés par les
navires français sur le Plateau Celtique en 1984"
(Not citable)
- G:38 P A Large, "The distribution of sole in the western English
M R Vince Channel" (Not citable)
and J A
Bedwell
- G:39 J de la "Rapport préliminaire sur l'analyse des estomacs
Villemarque d'eglefins récoltés en 1981 dans le cadre du
programme d'échantillonnage d'estomacs de
poissons en Mer du Nord" (Citable)
- G:40 D Dorel "Evaluation expérimentale des composantes de la
Ref.B et al. capturabilité d'un chalut à perche - échan-
tillonneur utilisé pour l'estimation d'abondance
des juveniles de soles" (Not citable)
- G:41 D Woehrling "Simulation des périodes d'éclosion et de
Sess. métamorphose de la sole" (Citable)
Q
- G:42 Y Desaunay "Variation de l'abondance des pré-recrues de sole
et al. sur les nurseries du nord du Golfe de Gascogne de
1979 à 1984" (Not citable)
- G:43 M Desmar- "La pêche du tacaud (Trisopterus luscus) en
chelier Manche et dans le sud de la Mer du Nord - Aperçus
statistiques et économiques" (Citable)
- G:44 C Deniel "Reproduction et croissance de la limande
et M Tassel (Limanda limanda L. 1758) (Téléostéen-Pleuronec-
tidae) en Manche orientale et Baie de
Douarnenez" (Citable)

- G:45 Withdrawn.
- G:46 P Pallares "Consequences of introducing errors in the values
and J E of input parameters in the 'length distribution
Pereiro analysis'(R Jones) on the effects of a change in
 mesh size, illustrated with data from the fishery
 on the Northern stock of hake" (Citable)
- G:47 Withdrawn.
- G:48 Withdrawn.
- G:49 M J Boon "Distribution of groundfish species in ICES
and K Divisions VIIe-h" (Not citable)
Brander
- G:50 K Brander "How well do Working Groups predict catches?"
Sess.U (Not citable)
- G:51 J G Pope "Further analysis of the ICES 1981 stomach
and K sampling data" (Not citable)
J K Hunton
- G:52 R G Houghton "Variance of weights at age in six flatfish
and stocks" (Not citable)
K Brander
- G:53 J L Rodriguez "Preliminary study of growth of megrim
and (Lepidorhombus whiffiaconis L.) from ICES
S Iglesias Sub-area VII" (Citable)
- G:54 M Fonds "Laboratory measurements of maximum daily food
et al. intake, growth and oxygen consumption of plaice
 (Pleuronectes platessa) and flounder (Platich-
 thys flesus) in relation to water temperature
 and the size of the fish" (Not citable)
- G:55 Sv.-Aa. "Growth of cod and capelin in relation to hydro-
Ref.H+C Malmberg graphic conditions in Icelandic waters 1969-1984"
Sess.Q (Not citable)
- G:56 A Rijnsdorp "Annual variability in age and length at first
and maturity of North Sea plaice" (Citable)
P I van
Leeuwen

- G:57 F A van Beek "On the maturity of North Sea sole in Dutch market samples" (Citable)
- G:58 J-Eliassen and P Grotnes "Feeding habits of cod, Gadus morhua, in Balsfjorden, northern Norway, in relation to the distribution and availability of potential food species" (Citable)
- G:59 Ref.C Sess.Q J Olafsson "Recruitment in Icelandic haddock and cod stocks in relation to variability in the physical environment"
- G:60 S A Murawski, S H Clark and V C Anthony "Impacts of fishery on stock size and yield calculations"
- G:61 F Cardador "An attempt to analyse abundance indices of hake from Portuguese trawl fishery"
- G:62 M Fonds, J v.d.Wijst and K Koelemay "Laboratory measurements of daily food intake, growth and oxygen consumption of Gadidae, (M. merlangus, Trisopterus luscus, Gadus morhua, P. pollachius)"
- G:63 F J Pereiro and C G Piñeiro "Indices of abundance from groundfish surveys on the shelf off NW Spain (Div. IXa-VIIIc) during 1980-84" (Citable)
- G:64 F J Pereiro "Recruitment indices of hake on the nursery grounds off NW Spain (Div. IXa-VIIIc) during 1980-84"
- G:65 O R Godø "Preliminary report of the Norwegian groundfish survey at Bear Island and West-Spitsbergen in the autumn 1984" (Not citable)
- G:66 O R Godø, A Raknes and K Sunnanå "Acoustic estimates of spawning cod off Lofoten and Møre in 1985" (Not citable)
- G:67 A Hylen and O Nakken "Stock size of north-east cod, estimates from survey data 1984/1985"

- G:68 A Hylan et al. "Preliminary report of the Norwegian investigations on young cod and haddock in the Barents Sea during the winter 1985" (Citable)
- G:69 S Rosenboom "A new method of preparing frozen gonads for fecundity studies" (Not citable)
- G:70 S Rosenboom "Fecundity of North Sea sole (Solea solea)" (Not citable)
- G:71 H M Krug "Age and growth of the blackspot seabream Pagellus bogaraveo (Brünnich, 1768) in Azorean waters" (Not citable)
- G:72 H Marques da Silva "Age and growth of the forkbeard. Phycis phycis (Linnaeus, 1766) in Azorean waters" (Not citable)
- G:73 J G Shepherd, "Towards improved procedures for fisheries management" (Not citable)
Sess.U K Brander
and
D J Garrod
- G:74 B Cohen "Some factors affecting the recruitment of Georges Bank cod and haddock"
Sess.Q and
J Green
- G:75 Ref.H "Preliminary report of the international 0-group fish survey in the Barents Sea and adjacent waters in August-September 1984"

REFERENCE PAPERS FOR THE DEMERSAL FISH COMMITTEE

- B:12 P A M Stewart "Underwater observations on small mesh and J H B codend covers"
Robertson
- D:2 J E Powers "Estimators of population abundance indices using catch per unit effort distributions"
- D:4 P Lewy "Integrated Stochastic Virtual Population Analysis (ISVPA) applying catch, effort and survey information"
- D:7 T Helgason "Estimation of fishing power with relation to and exploited biomass"
M C Kenward

- D:12 J B Péroudou "Contribution à l'analyse des stocks de lieu
et noir (Pollachius virens): désaisonnalisation des
B Fontaine séries mensuelles et sectorielles des captures
par unité d'effort (CPUE)"
- D:13 H Dupouy, "Influence de la sédentarité des individus sur
J L Durand la relation entre mortalité par pêche et
et effort de pêche: application aux stocks
A Biseau exploités par les arts trainants"
- E:14 S Meller- "Fish diseases in the eastern North Sea dab
gaard and Limanda limanda population with special
E Nielsen reference to the epidemiology of epidermal
hyperplasias/papillomas"
- E:15 S Meller- "Myxobolus infections in plaice (Pleuronectes
gaard and platessa)"
E Nielsen
- E:42 D Bucke "Are epidermal anomalies the best criteria for
assessing the health status of fish?"
- F:6 E Kjørs- "A preliminary report on the spawning season
vik and of the Atlantic halibut, Hippoglossus
T Haug hippoglossus, in Malangen, north Norway"
- F:9 T Svåsand "Preliminary results from tagging and release
of artificially reared 0-group coastal cod
(Gadus morhua L.) in western Norway"
- F:10 T Svåsand "Release of artificially reared 0-group coastal
and cod (Gadus morhua L.) in a landlocked fjord in
T Kristian- western Norway"
sen
- F:63 A Folkvord "Massproduction of juvenile Atlantic cod
et al. (Gadus morhua L.) in a pond: results and new
approaches"

- H:2 "Report of the Working Group on International Young Fish Surveys in the North Sea, Skagerrak and Kattegat, Copenhagen, 9-15 January 1985"
- H:23 "Manual for the International Young Fish Surveys in the North Sea, Skagerrak and Kattegat: 2nd Revision, January 1985"
- H:24 A Corten, "Report on the International Young Fish Survey
P Munk and in the North Sea, Skagerrak and Kattegat in 1985"
W Panhorst
- H:71 D H Cushing "Had I but world enough and time; the study of
a single year class"
- H:75 "Report on the fish survey in Icelandic and East Greenland waters, August 1985"
- J:6 E Ursin "On prey size preferences and size-indiscriminate
and feeding of whiting (Merlangius merlangus) in the
W E Arntz western Baltic"
- J:7 E Ursin "The stomach contents of dab (Limanda limanda) in
and the Baltic as indicators of different feeding
W E Arntz strategies"
- K:16 R B Boddeke "Settlement and growth of brown shrimp (Crangon
et al. crangon) in a coastal area"
- K:47 O K Pálsson "The management of juvenile fish by-catch
and in the Icelandic shrimp fishery"
G Thorsteinsson
- L:3 Yu. V. "Heterogeneities in commercial ichthyofauna
Chuksin distribution relative to hydrophysical structure"
and V I
Sauskan
- L:24 O K Pálsson "Remarks on the abundance and growth of
and juvenile fish in Icelandic water in
O S Astthorsson relation to environmental conditions"

H - PELAGIC FISH COMMITTEE

<u>No.</u>	<u>Author</u>	<u>Title</u>
H:1		Report of Activities
H:2 Ref.G		"Report of the Working Group on International Young Fish Surveys in the North Sea, Skagerrak and Kattegat, Copenhagen, 9-15 January 1985"
H:3		"Report of the Working Group on Herring Larval Surveys South of 62°N, Aberdeen, 4-8 February 1985"
H:4 Ref.B		"Acoustic survey on blue whiting in the Norwegian Sea, August-September 1985"
H:5	M B Martins & I S Gordo	"Further contribution to the knowledge of mackerel (<u>Scomber scombrus</u> L.) from the Portuguese coast" (Not citable)
H:6		"Report of the Workshop on the Acoustic Surveys of Blue Whiting in the Norwegian Sea, 6-11 May, 1985, Bergen, Norway"
H:7		"Report of the Mackerel Egg Production Workshop, 24-28 June 1985, Lowestoft"
H:8	S N Messieh, V Anthony and A Sinclair	"Fecundities of Atlantic herring (<u>Clupea harengus</u> L.) populations in the Northwest Atlantic" (Not citable)
H:9 Sess.S	S N Messieh	"Spawning locations and spawning times of Atlantic herring (<u>Clupea harengus</u> L.) in the southern Gulf of St.Lawrence (NAFO Div. 4T)" (Not citable)
H:10		Withdrawn.
H:11		Withdrawn.

- H:12 A I Krysov "Spawning efficiency of Atlanto-Scandian herring
Ref.C et al. in 1984" (Citable)
Sess.S
- H:13 V A Ermol- "Soviet investigations of blue whiting in spring
chev et al. 1984" (Citable)
- H:14 A V Shevchenko "Peculiarities of blue whiting distribution
and N A Isaev in the Norwegian Sea in spring-summer 1983
and 1984 in relation to hydrographic condi-
tions" (Citable)
- H:15 I V Borkin "Results of investigations on capelin larvae in
Ref.L and N V the Barents Sea in 1983-84"
Sess.S Mukhin
- H:16 Withdrawn.
- H:17 V G Koles- "Experience of long-term forecasting of cyclic
Ref.C nikov fluctuations of Atlanto-Scandian herring
Sess.Q strength" (Citable)
- H:18 Withdrawn.
- H:19 N Perez, "Some observations on the biology of sardine
C Porteiro (Sardina pilchardus Walb.) off Galicia,
and NW Spain" (Citable)
F Alvarez
- H:20 A dos "Some observed pilchard reactions to a surveying
Santos vessel"
- H:21 E Vascon- "Morphological differences in blue whiting off
celos and the Portuguese coasts"
O Moura
- H:22 I Barraca "Growth studies, using scales of Sardina
and pilchardus (Walb.) in Portuguese waters (1979-
G Pestana 1984)" (Not citable)
- H:23 WG on "Manual for the International Young Fish Sur-
Ref.G IYFS veys in the North Sea, Skagerrak and Kattegat;
2nd Revision, January 1985"

- H:24 A Corten, "Report on the International Young Fish Survey in
Ref.G P Munk the North Sea, Skagerrak and Kattegat in 1985"
and (Citable)
W Panhorst
- H:25 R S Bailey "Progress report (1985) on the establishment of
an ICES sprat biology workshop" (Not citable)
- H:26 A Saville "Evaluation of tagging and detection using micro-
and wire tags in herring and the potential of this
J A technique in herring stock assessment" (Citable)
Morrison
- H:27 Withdrawn.
- H:28 M R Heath "Growth and survival rates of yolk-sac herring
Sess.Q and P M larvae from a spawning ground to the west of
MacLachlan the Outer Hebrides" (Not citable)
- H:29 M R Heath "Hydrographic influences on the distribution
Ref.C et al. of herring larvae in the Orkney-Shetland
Sess. R area" (Not citable)
- H:30 M R Heath "Drift of larval herring (*Clupea harengus*)
Sess. and studied by analysis of gene frequency data"
S J Walker (Not citable)
- H:31 Withdrawn.
- H:32 D W McKay "Report on the acoustic surveys for sprat off
Ref.B and the east coast of Scotland and northeast coast
J I Edwards of England in the winters of 1983/84 and
1984/85" (Citable)
- H:33 A Saville "A report on the ICES Herring Larval Surveys in
and the North Sea and Adjacent Waters in 1984/85,
P W Rankine including a revision of the historic data base"
(Citable)
- H:34 E J Simmonds "Report on the 1984 herring acoustic survey in
Ref.B et al. the northern North Sea" (Citable)

- H:35 M F Borges "On distribution and abundance of horse mackerel in Portuguese waters Division IXa"
- H:36 A Dommas- "Age distributions for spawning capelin 1954-
nes 1984: a review of some selected literature"
(Citable)
- H:37 S A Iversen "The spawning and distribution of mackerel eggs
Sess. and in the North Sea related to the hydrography"
R R Ljøen (Not citable)
- H:38 S A Iversen "The egg production and spawning stock size of
et al. the North Sea mackerel stock in 1984" (Not
citable)
- H:39 X Pastor "Acoustic abundance estimation of mackerel,
Ref.B and A D de sardine and bogue in Canary Islands waters,
Molina April 1984".
- H:40 A Eltink "Results of horse mackerel (Trachurus
trachurus L.) otolith exchange program" (Not
citable)
- H:41 J Alheit "Egg production method for spawning biomass
Sess.Q estimates of anchovies and sardines" (Citable)
- H:42 J Mejuto "Associated catches of sharks, Prionace glauca,
Isurus oxyrinchus and Lamna nasus, with N and
NW Spanish swordfish fishery in 1984"
- H:43 T D Iles "An instance of herring larval retention in the
Ref.C and North Sea" (Not citable)
Sess. M Sinclair
S
- H:44 G Biaïis, "Evaluation acoustique du stock de hareng des
Ref.B et al. Downs en novembre 1984. Campagne H.E.I.D.84
- du 7 au 30 novembre 1984" (Citable)
- H:45 G Biaïis "Estimation de la répartition par âge des
captures françaises de hareng" (Citable)

- H:46 P Degnbol "On the relation between diurnal migration and
Ref.J and feeding of Blue Whiting in the Skagerrak"
S Munch- (Not citable)
Petersen
- H:47 P Degnbol, "Acoustical survey of Herring in Skagerrak,
Ref.B O Hagström Kattegat and the western Baltic in August-
and J and September 1984" (Citable)
L E Palmén
- H:48 H Lassen "Growth, mortality and larvae production in the
and Shetland area estimated from the International
S A Herring Larvae Surveys in 1972-83" (Citable)
Pedersen
- H:49 A C Burd "The use of herring larvae catch data in stock
assessment" (Not citable)
- H:50 P O Johnson "1984 herring acoustic survey in the central
Ref.B North Sea" (Not citable)
- H:51 J H Nichols "Sampling a patch of herring larvae using an
Ref.C et al. 'Argos' satellite-tracked buoy as a marker"
Sess. (Not citable)
R
- H:52 X Pastor, "Acoustic abundance estimation of pilchard
Ref.B C Porteiro (Sardina pilchardus Walb.) in Galician and
and A Lavin Cantabric waters. August 1983" (Citable)
- H:53 I Røttingen "Norwegian investigations in 1984-1985 on
juvenile herring" (Not citable)
- H:54 R Toresen "Recruitment indices of Norwegian spring-spawning
herring for the period 1965-1984 based on the
international 0-group fish surveys" (Not citable)
- H:55 R Toresen "Predation on the eggs of Norwegian spring-
Sess. spawning herring at a spawning ground outside the
Q west coast of Norway in 1981" (Not citable)
- H:56 E Torstensen "Fecundity of sprat from the Norwegian coast"

- H:57 "Report on joint Soviet-Icelandic hydrobiological
Ref.C investigations in the Norwegian Sea and Icelandic
and L waters in May-June 1985" (Not citable)
- H:58 B Morales- "Formation of the Bowers ring in the Micromesistius
Poster Nin and poutassou otoliths"
 S Verón
- H:59 S H I "An acoustic estimate of the blue whiting spawning
Ref.B Jákupsstovu stock in April 1985" (Citable)
 and
 B Thomsen
- H:60 V Christensen "Estimation of herring larval production"
Ref.L (Not citable)
- H:61 J I Edwards "Winter sprat surveys in 1983/84 and 1984/85"
 and D W McKay (Citable)
- H:62 M Walsh "Investigations on mackerel shoals and echo-
 and trace characteristics northwest of Scotland
 F Armstrong in October 1984" (Citable)
- H:63 V J Isaac- "Some aspects of the spawning biology of the
 Nathum Brazilian sardine, Sardinella brasiliensis
 et al. (Clupeidae)" (Not citable)
- H:64 O L Padilla "The biological characteristics of fishes
 and Cubiceps gracilis (Lowe, 1843) (Nomeidae,
 M R Lipinski Osteichthyes) caught in July-September 1984
 in NE Atlantic" (Not citable)
- H:65 T B Linkowski "The distribution of mesopelagic fishes and
 et al. cephalopods in the eastern North Atlantic
 between latitudes 37⁰-46⁰N and longitudes
 12⁰-30⁰W: R/V 'Professor Siedlecki' cruise,
 summer 1984"
- H:66 A C Burd "Juvenile herring in the North Sea" (Not citable)
 and
 T J Hulme
- H:67 R Schöne "Methods of age determinations on blue whiting
 and otoliths"
 H Schulz

- H:68 A S Teixeira "Scomber identification using eye lens protein
and pI" (Not citable)
A Jamieson
- H:69 J Kalinowski "Distribution and biomass of Mauroliticus
muelleri over the mid-Atlantic Ridge
region in April 1985" (Not citable)
- H:70 H D Dooley "Bottom temperature and salinity of the North
Ref.C Sea during the International Young Fish
Survey 1985"
- H:71 D H Cushing "Had I but world enough and time, the study of
Ref.G,J a single year class" (Citable)
Sess.Q
- H:72 S Holzlöhner "Stock results of the important pelagic fish
and species off Mauritania in 1983 and 1984"
G Kloxin (Not citable)
- H:73 X Pastor, "Acoustic estimation of sardine (Sardina
F Alvarez pilchardus Walb.) of Cantabric and Galician
and waters in August 1984" (Citable)
A Astudillo
- H:74 P Smith "Egg production of sardine and anchovies in
Sess. Q upwelling areas"
Q
- H:75 "Report on the 0-group fish survey in Icelandic
Ref.G and East Greenland waters, August 1985"

REFERENCE PAPERS FOR THE PELAGIC FISH COMMITTEE

- B:12 P A M Stewart "Underwater observations on small mesh
and J H B codend covers"
Robertson
- B:21 J I Edwards "A free fall camera frame for measuring the
and shoaling behaviour of wild free swimming fish"
E Armstrong
- B:22 S T Forbes "Progress in dual-beam target-strength
measurement on herring and blue whiting"
- D:2 J E Powers "Estimators of population abundance indices
using catch per unit effort distributions"
- D:4 P Lewy "Integrated Stochastic Virtual Population
Analysis (ISVPA) applying catch, effort and
survey information"

- D:7 T Helgason "Estimation of fishing power with relation to
and exploited biomass"
M C Kenward
- D:13 H Dupouy, "Influence de la sédentarité des individus
J L Durand sur la relation entre mortalité par pêche et
et effort de pêche: application aux stocks
A Biseau exploités par les arts trainants"
- G:55 Sv-Aa. "Growth of cod and capelin in relation to
Malmberg hydrographic conditions in Icelandic waters
1969-1984"
- G:75 "Preliminary report of the international 0-group
Ref.H fish survey in the Barents Sea and adjacent waters
in August-September 1985"
- L:3 Yu. V. "Heterogeneities in commercial ichthyofauna
Chuksin distribution relative to hydrophysical structure"
and V I
Sauskan
- L:6 E Moksness "The buoyancy of sprat (Sprattus sprattus) eggs
and and larvae in the Skagerrak area"
R Torsten-
sen
- L:8 L Stradmeyer "Growth and survival of Atlantic herring at
and different concentrations of natural prey"
J C Gamble
- L:23 V Christensen "Investigations on the relationship of
et al. herring larvae, plankton production and hydro-
graphy at Aberdeen Bank, Buchan area,
September 1984"
- L:24 O K Pálsson "Remarks on the abundance and growth of
and juvenile fish in Icelandic water in relation
O S Astthorsson to environmental conditions"
- L:35 J M Last "Further observations on the food of 0-group
sprat Sprattus sprattus (Linnaeus, 1758) and
herring Clupea harengus (Linnaeus, 1758) from
the North Sea"

J - BALTIC FISH COMMITTEE

<u>No.</u>	<u>Author</u>	<u>Title</u>
J:1		Report of Activities
J:2 Ref.C	B K Evtjuk- hova <u>et</u> <u>al.</u>	"The dynamnics of structure and stock quality in herring of the northern and eastern Baltic and in the Gulf of Finland in connection with environmental factors" (Not citable)
J:3	D Uzars	"Food composition in the eastern Baltic cod for the 1963-1984 period" (Not citable)
J:4 Ref.B	O Hagström	"Acoustic estimates of the herring and the sprat stocks in the Baltic proper 1983 and 1984" (Citable)
J:5		"Report of the <u>ad hoc</u> Working Group on Young Fish Trawl Surveys in the Baltic, Rostock, 11-15 March 1985".
J:6 Ref.G	E Ursin and W E Arntz	"On prey size preferences and size-indiscriminate feeding of whiting (<u>Merlangius merlangus</u>) in the western Baltic" (Citable)
J:7 Ref.G	E Ursin and W E Arntz	"The stomach contents of dab (<u>Limanda limanda</u>) in the Baltic as indicators of different feeding strategies" (Citable)
J:8	B Groth	"Relations of maturing and spent herring in the catches of spring fishery season in the Greifswalder Bodden"
J:9	H Borrman and M Berner	"The construction of sustainable yield curves for the cod of Sub-divisions 22 and 24 using two different stock/recruitment relationships"
J:10	B Vaske and N Schulz	"Results of GDR-Youngfish Surveys in the Baltic and some investigations on the precision of year class abundance indices"
J:11	M Berner and B Vaske	"Morphometric and meristic characters of cod stocks in the Baltic Sea"

- J:12 H Lassen "Results from comparative age-readings of Baltic cod and flounder otoliths" (Citable)
- J:13 Withdrawn.
- J:14 E Ursin "On the prey size of cod (Gadus morhua) in the and Western Baltic" (Citable)
W E Arntz
- J:15 "Planning Group for Hydroacoustic Survey in the Baltic, Copenhagen, 2-3 April 1984"
- J:16 O Bagge "Danish discards in the cod fishery in the Baltic 1984-85" (Citable)
- J:17 O Bagge "The total mortality on cod in the Baltic, and 1982-85 as estimated from bottom trawl surveys" (Not citable)
O Steffen-
sen
- J:18 Withdrawn.
- J:19 Withdrawn.
- J:20 M Vitinsh "On individual variability of linear growth in the eastern Baltic flounder: data on otoliths marking with tetracycline" (Not citable)
- J:21 W Grygiel "Differences in morphological structure of otoliths of young herring from various spawning and geographical populations caught on the fishing grounds of the Baltic proper"
- J:22 P Komasara "Preliminary observations on the feeding of juvenile flounder Platichthys flesus L. from the Gulf of Gdansk in the southern Baltic"
- J:23 M Wyszynski "Agreements of age interpretation and population identity based on age reading of otoliths of herring (Clupea harengus L.) in the southern Baltic - Sub-divisions 24, 25, 26"
D Kästner
- J:24 A Ortowski "Hydroacoustic investigations in Polish fishery zone in May 1985 - sprat and herring biomass (herring biomass calculated according to populations' composition)"
Ref.B et al.

- J:25 R Parmanne "Trends in the abundance, recruitment and mor-
and tality of Baltic herring, and sprat off the coast
V Sjöblom of Finland according to exploratory fishing with
a pelagic trawl in 1956-84"(Citable)
- J:26 Withdrawn.
- J:27 R Hudd "The mean fecundity of smelt (Osmerus
eperlanus (L.)) in the Northern Quark, Gulf of
Bothnia, in 1981-84" (Not citable)
- J:28 R Hudd "Abundance and distribution of smelt (Osmerus
Sess.S and eperlanus (L.)) yolk sac larvae in the
L Urho Northern Quark, Gulf of Bothnia" (Not citable)
- J:29 "Publications of interest to the Baltic Fish
Committee, 1984" (Citable)

REFERENCE PAPERS FOR THE BALTIC FISH COMMITTEE

- B:12 P A M Stewart "Underwater observations on small mesh
and codend covers"
J H B
Robertson
- B:41 H Lassen "Target strength of Baltic herring and
and sprat measured in situ"
K-J Ståhr
- D:2 J E Powers "Estimators of population abundance indices
using catch per unit effort distributions"
- D:4 P Lewy "Integrated Stochastic Virtual Population
Analysis (ISVPA) applying catch, effort and
survey information"
- D:7 T Helgason "Estimation of fishing power with relation
and to exploited biomass"
M C Kenward
- D:13 H Dupouy, "Influence de la sédentarité des individus
J L Durand sur la relation entre mortalité par pêche et
et effort de pêche: application aux stocks
A Biseau exploités par les arts trainants"

- H:46 P Degnbol "On the relation between diurnal migration
and feeding of Blue Whiting in the Skagerrak"
and
S Munch-
Petersen
- H:47 P Degnbol, "Acoustical survey of herring in Skagerrak,
O Hagström Kattegat and the western Baltic in August-
and September 1984"
L E Palmén
- H:71 D H Cushing "Had I but world enough and time; the study
of a single year class"
- L:3 Yu. V "Heterogeneities in commercial ichthyofauna
Chuksin distribution relative to hydrophysical
and structures"
V I
Sauskan

K - SHELLFISH COMMITTEE

<u>No.</u>	<u>Author</u>	<u>Title</u>
K:1		Report of Activities.
K:2		"Publications of interest to the Shellfish Committee, 1984" (Citable)
K:3	A M Sennikov and T E Bliznichenko	"Spatial-temporal structure of feeding concentrations of the squid <u>Todarodes sagittatus</u> (Lamarck) in the Barents Sea" (Citable)
K:4	B I Berenboim <u>et al.</u>	"Soviet investigations of the deep sea shrimp <u>Pandalus borealis</u> in the Barents Sea in April-May 1984" (Citable)
K:5	O Smedstad and S Tveite	"Shrimp investigations in the Norwegian Deep, 1984-1985" (Not citable)
K:6		Withdrawn.
K:7 Ref.B	P Newland and C Chapman	"Some observations on orientation and swimming behaviour of <u>Nephrops</u> in relation to trawl capture" (Citable)
K:8		Withdrawn.
K:9	E L Cadima, M J Figueiredo and A M Caramelo	"An assessment of the <u>Nephrops</u> stock off the south Portuguese coast and the state of its exploitation"
K:10		Withdrawn.
K:11 Ref.F	A M Leal	"The oysters from the southern coast of Portugal and their distribution" (Not citable)
K:12 Ref.F	A M Leal	"The growth of oysters <u>Crassostrea angulata</u> (Lamarck, 1818) in Albufeira lagoon"
K:13 Ref.B	A Ribeiro Cascalho	"About two trawl surveys on the south Portuguese coast shrimp grounds" (Not citable)

- K:14 Withdrawn.
- K:15 R Dijkema, "Growth and mortality in the first year of spat
Ref.F C S Vroon- of the European flat oyster (Ostrea edulis L.)
 land and on commercial plots in marine lake Grevelingen
 J Bol (SW Netherlands)" (Not citable)
- K:16 R B Boddeke "Settlement and growth of Brown shrimp (Cranqon
Ref.G et al. cranqon) in a coastal area" (Citable)
- K:17 A Tétard "Elements sur la croissance de le crevette grise
 (Cranqon cranqon L.) en Manche-est et en sud Mer
 du Nord" (Citable)
- K:18 D Buestel, "Estimation d'un stock naturel de coquilles Saint-
Ref.B J C Dao et Jacques par une méthode combinant les dragages
Sess. F Gohin et la plongée. Traitement des résultats par une
X méthode géostatistique" (Citable)
- K:19 Withdrawn.
- K:20 G Raguenes "Etude de différents types de marques externes
 et appliquées au homard Homarus gammarus (L.)"
 D Latrouite (Citable)
- K:21 V Legrand, "Proposition d'un schéma de croissance pour le
 G Veron et homard à partir de marquages réalisés sur la
 P Noël côte ouest du Cotentin" (Citable)
- K:22 R Bertran, "Variations de la durée de la phase pélagique
 J Y Gautier de post-larves de homard européen, Homarus
 et J Lorec gammarus, en fonction de la nature du fond"
 (Not citable)
- K:23 J Boucher "Caractéristiques dynamiques du cycle vital
Sess. de la coquille Saint-Jacques (Pecten maximus):
Q hypothèses sur les stades critiques pour le
 recrutement" (Not citable)
- K:24 J Marin "Abondance et distribution des larves
Ref.L d'araignée (Maia squinado, Herbst) en Manche
 en 1983" (Citable)
- K:25 J Marin "Distribution des larves de tourteau (Cancer
Ref.L pagurus L.) en Manche ouest en 1983" (Citable)

- K:26 J Marin "Etude de la croissance des crustacés à partir des données de marquage-recaptures. Application à la langouste rouge de Corse, Palinurus elephas Fabricius" (Not citable)
- K:27 F Garcia, "Estimation de la variance des paramètres de croissance K et L infini, par la méthode du H Farrugio et J Marin 'Jackknife', application à la langouste rouge de Corse, Palinurus elephas F." (Not citable)
- K:28 G Conan "Functional maturity of male snow crab and Chionoecetes opilio" (Not citable)
M Comeau
- K:29 G Conan, "Functional maturity of the American lobster M Comeau and M Moriyasu Homarus americanus" (Not citable)
- K:30 G Conan "Assessment of shellfish stocks by geostatistical techniques" (Not citable)
- K:31 D Maynard, "Calibration of aerial surveys of lobster fishing Ref.D G Conan effort" (Not citable)
and E Wade
- K:32 Withdrawn.
- K:33 Withdrawn.
- K:34 G C H "Larval aspects of lobster recruitment in the Harding Gulf of Maine" (Citable)
et al.
- K:35 J T "Pot selectivity and the size composition Ref.B Addison and S R J and S R Lovewell of catches of lobster (Homarus gammarus L.) and crab (Cancer pagurus L.) on the east coast of England" (Not citable)
- K:36 R C A "Sampling the size composition of catches of the Bannister lobster (Homarus gammarus L.) on the east coast and S R Lovewell of England" (Not citable)
- K:37 D B Bennett "Use of a quarterly yield per recruit model for Ref.B Nephrops assessment" (Not citable)

- K:38 D B Bennett "The problems of small mesh Nephrops trawls in
Sess. the Irish Sea - are separator trawls the answer?"
Z (Not citable)
- K:39 P J Dare "The status of Mytilicola intestinalis Steuer
Ref.F as a pest of mussel fisheries: harmful para-
site or benign commensal?" (Not citable)
- K:40 Withdrawn.
- K:41 U Skúladóttir "Bivariate measurements with regard to
and detection of age classes in Pandalus
G Stefánsson borealis (Kröyer)" (Citable)
- K:42 U Skúladóttir "Tagging and recapture results of Pandalus
borealis (Kröyer) in Icelandic waters"
(Citable)
- K:43 J H Sundet "Are there potential resources of Iceland scallops
(Chlamys islandica) in the Barents Sea?"
(Not citable)
- K:44 J H Sundet "A short review on the biology and fishery of the
squid Todarodes sagittatus" (Not citable)
- K:45 Withdrawn.
- K:46 C Hudon "La distribution horizontale et la croissance des
et larves de homard (Homarus americanus) aux Iles-
P Fradette de-la-Madeleine, Golfe du Saint-Laurent"
- K:47 O K Pálsson "The management of juvenile fish by-catch in
Ref.G and the Icelandic shrimp fishery" (Citable)
Sess.Z G Thorsteinsson
- K:48 J P Hillis "Discarding of Nephrops and whiting in the
and Irish Nephrops fishery in Division VIIa"
R J R Grainger
- K:49 J P Hillis "Preliminary results of micro-wire tagging experi-
ments on Nephrops"
- K:50 A Hylen, "Results of stratified trawl surveys for shrimps
B Tveranger (Pandalus borealis) in the Barents Sea and the
and Svalbard region 1985"
P Øynes

- K:51 P F Millican "The seasonal variations in the levels of meat
Ref.F and content, lipid and carbohydrate in Mercenaria
D R Williams mercenaria L. and Tapes semidecussata Reeve
grown in fertilized and unfertilized water"
(Not citable)
- K:52 H Rost "Some observations on the Naupliosoma and
Martins Phyllosoma larvae of the Mediterranean locust
lobster, Scyllarides latus (Latreille, 1803)
from the Azores" (Not citable)

REFERENCE PAPERS FOR THE FISH CAPTURE COMMITTEE

- B:3 Sea Fish "Commercial application of separator panels in
Industry Nephrops trawls"
Authority
- B:9 J Main and "Report on the direct observation experiments
G I Sangster with the chalut 28.90/37.1 m JCB trawl during
3-23 July 1984"
- B:14 J Main and "Recent studies in species separation with a
G I Sangster two-level trawl in three different fisheries"
- B:35 A Kraaijenoord "Tests on a rake-trawl on fishery research
and vessel 'ISIS'"
K Groeneveld
- B:38 A Charuau "Expérimentation d'un chalut séparant la
langoustine (Nephrops norvegicus) du poisson"
- B:47 J P Hillis "Some observations on the separation of
Nephrops from whiting and other fish by
separator trawls"
- E:28 J E Thain "The growth of bivalve spat exposed to organo-
and tin leachates from antifouling paints"
M J Waldock
- E:29 M J Waldock "The comparative leach rates and toxicity
and of two fish net antifouling preparations"
J E Thain
- F:5 "Report of Working Group on Pathology and
Diseases of Marine Organisms, Hirtshals,
16-19 April 1985"

- F:20 A Longwell "Subverting random segregation of genes to produce clones of superior performing molluscs, fish or crustaceans"
- F:41 J D Castell "Evaluation of two formulations for use as a standard reference diet for Crustacean nutrition research"
et al.
- F:43 A P Camacho "First data on raft culture of Manila clam
and (Ruditapes philipinarum) in the Ria de
M A Cuña Arosa (NW Spain)"
- F:46 R Leroy "Hatchery production and nursery culture
Creswell on the angel wing clam, Cyrtopleura costata,
and a potential bivalve species for culture in
M Schilling sub-tropical waters"
- F:47 A M Leal "Incubation des cystes d'Artemia salina
Leach, dans deux salines du littoral Portugais"
- F:48 T Neudecker "Inhibitory effect of low salinity on meta-
morphosis of Crassostrea gigas Thunberg
larvae"
- F:53 M Seaman "Growth and chemical composition of oysters,
C. gigas, in relation to environmental factors
in Flensburg Fjord during 1982-83"
- G:34 A Laurec "Rendements par recrue et analyse des cohortes
et de Jones - étude de la sensibilité"
B Mesnil

L - BIOLOGICAL OCEANOGRAPHY COMMITTEE

<u>No.</u>	<u>Author</u>	<u>Title</u>
L:1		Report of Activities
L:2 Sess.R	G Radach and J Berg	"Trends in nutrient and phytoplankton concentrations at Helgoland Reeде (German Bight) since 1962" (Citable)
L:3 Ref.G,H, J	Yu. V. Chuksin and V I Sauskan	"Heterogeneities in commercial ichthyofauna distribution relative to hydrophysical structures"
L:4	E I Alek- seeva and A N Zakharov	"Some morphological characteristics of intra-ovarial larvae of the Irminger Sea redfish <u>Sebastes mentella</u> Travin during the period from hatching to extrusion"
L:5 Ref.C Sess. R	E M Kostri- chkina <u>et</u> <u>al.</u>	"On the influence of oceanographic conditions on the long-term abundance dynamics of zooplankton in the Gulf of Riga" (Not citable)
L:6 Ref.H	E Moksness and E Torsten- sen	"The buoyancy of sprat (<u>Sprattus sprattus</u>) eggs and larvae in the Skagerrak area" (Not citable)
L:7	J Dunn, R B Mitchell and B J Ritchie	"A new multidepth high speed plankton sampler" (Not citable)
L:8 Ref.H	L Stradmeyer and J C Gamble	"Growth and survival of Atlantic herring at different concentrations of natural prey" (Citable)
L:9		Withdrawn.
L:10	A E Elef- theriou	"Bibliography of North Sea benthic literature: Addendum No.1" (Citable)

- L:11 S Falk- "Density in sub-arctic zooplankton"
Petersen
et al.
- L:12 K-G Barthel "Zooplankton food uptake in partially ice-
Ref.C covered Fram Strait in summer 1984" (Not
citable)
- L:13 D Barthel "On the role of the sponge Halichondria
panicea Pallas in the western Baltic
ecosystem" (Not citable)
- L:14 T D Iles "Drift and current selection, transport and
Ref.C and retention, dispersal and homing; a review
Sess. J B Sochasky of concepts and principles relevant to the
S temporal and spatial organization of marine
systems" (Not citable)
- L:15 D G Mountain "Influence of circulation on Georges Bank
Ref.C recruitment - hypotheses, results and
Sess.Q problems" (Not citable)
- L:16
Withdrawn.
- L:17 R Goulet Jr. "Data management for analysis of large marine
Ref.D ecosystems"
- L:18 M J Silver- "Distribution, abundance, and production
man estimates of yellowtail flounder, Limanda
ferruginea, larvae off north-eastern
United States, 1982-1984" (Not citable)
- L:19 C Heib "Report on intercalibration exercise on
et al. sampling methods for macrobenthos"
- L:20 R Chevalier, "Quelques réflexions sur la variabilité des
Sess. S Arbault résultats des campagnes d'évaluation d'oeufs
X et P Camus et larves" (Not citable)
- L:21
Withdrawn.
- L:22 H Paulsen "Effects of food-patches on behaviour, growth
Sess. and survival of fish larvae - a summary of
Q experimental results" (Citable)

- L:23 V Christensen "Investigations on the relationship of
Ref.H,C et al. herring larvae, plankton production and
Sess. hydrography at Aberdeen Bank, Buchan
S area, September 1984" (Not citable)
- L:24 O K Pálsson "Remarks on the abundance and growth of
Ref. and juvenile fish in Icelandic water in
G+H O S Astthorsson relation to environmental conditions"
Sess.Q
- L:25 M P Olivar "Chorion ultrastructure of some Southeast
Ref.F. Atlantic fish eggs" (Citable)
Poster
- L:26 C A Oviatt "Benthic-water column interactions in the
Sess. and coastal zone: evidence from mesocosm
T M E Q Pilson experiments"
- L:27 W Smith "Seasonal distribution, abundance and diver-
and sity patterns of fish eggs and larvae in
W Morse the middle Atlantic Bight" (Not citable)
- L:28 H Renk, "Long-term changes of phytoplankton and
J Nakonieczny zooplankton biomass in southern Baltic"
and S Ochocki (Not citable)
- L:29 T Herra "Macrozooplankton in the eastern North
and Atlantic between latitudes 37 -46⁰N and
K Fadschild longitudes 12 - 30⁰W: R/V 'Professor
Siedlecki' cruise, summer 1984" (Not
citable)
- L:30 T Mackiewicz "Species composition and distribution of
and the Chaetognatha in the NE Atlantic -
T Herra R/V 'Professor Siedlecki' cruise - summer
1984" (Not citable)
- L:31 M Kopacz "Seasonal changes in composition and biomass of
shallow water microzooplankton in the Gulf of
Gdansk (Southern Baltic)" (Not citable)
- L:32 Z Ringer "Phytoplankton of the southern Baltic in
1971-1984" (Not citable)
- L:33 "4th report of the Benthos Methodics Working
Sess.T Group, 26-29 March 1985, Bremerhaven"

- L:34 W Lucassen "Development of fish eggs and larvae in the
Sess. southeastern North Sea during spring and
R early summer 1984"
- L:35 J M Last "Further observations on the food of 0-group
Ref.H sprat *Sprattus sprattus* (Linnaeus, 1758) and
Sess. herring *Clupea harengus* (Linnaeus, 1758) from
R the North Sea" (Not citable)
- L:36 C Clemmesen "Laboratory studies on RNA/DNA ratios of
Sess.Q starved and fed marine fish larvae"
(Not citable)
- L:37 J Warzocha "Long-term changes of macrobenthic communi-
Sess. ties in the southern Baltic Sea"
V
- L:38 B J Rotschild "Feasibility of relating recruitment to
Ref.C environmental variation^{1,2}"
Sess. (Citable)
Q
- L:39 "Publications of interest to the Biological
Oceanography Committee, 1984" (Citable)
- L:40 G Robinson "Plankton Identifications Sheets, Editor's
Ref. Report, 1984-85" (Not citable)
Pub.
- L:41 G Robinson "Continuous plankton records: plankton,
climate and fisheries of the western
English Channel" (Not citable)

REFERENCE PAPERS FOR THE BIOLOGICAL OCEANOGRAPHY COMMITTEE

- C:10 R J Chapman "North Sea nutrient sampling in 1985 by the
Fisheries Laboratory, Lowestoft, in support
of C.Res. 1976/4:6 and C.Res.1978/4:2"
- C:26 H-J Brosin "Some remarks on regional differences in
and the spectral reflectance of sea water"
H Siegel
- C:27 H Siegel "On the relationship between the concen-
tration of chlorophyll *a* and the reflectance
colour indices"

- C:44 I M Davies "Chloroform as a preservative of deep sea water samples for reactive phosphate analysis"
- C:47 H Pittkänen, "Areal variation and trends in the nutrient
P Tulkki and concentrations of Baltic waters around
P Kangas Finland"
- E:11 "Report of the Working Group on Marine Sediments in Relation to Pollution, Charlottenlund, 6-8 May 1985"
- F:51 G Quantz "Effect of temperature and prey density on feeding of turbot (Scophthalmus maximus) larvae under laboratory conditions"
- G:9 I N Simacheva "Feeding of long rough dab in the Barents and Sea"
A A Glukhov
- G:21 R Jones "Population regulation and implications for the recruitment process in fish"
- H:15 I V Borokin "Results of investigations on capelin larvae and
N V Mukhin in the Barents Sea in 1983-84"
- H:57 "Report on joint Soviet-Icelandic hydro-biological investigations in the Norwegian Sea and Icelandic waters in May-June 1985"
- H:60 V Christensen "Estimation of herring larval production"
- K:24 J Marin "Abondance et distribution des larves d'araignée (Maia squinado, Herbst) en Manche en 1983"
- K:25 J Marin "Distribution des larves de torteau (Cancer pagurus L.) en Manche ouest en 1983"
- N:6 G P Scott "Biological and physical oceanographic
et al. correlatives to Cetacean density distribution in the Great South Channel"

M - ANADROMOUS AND CATADROMOUS FISH COMMITTEE

<u>No.</u>	<u>Author</u>	<u>Title</u>
M:1		Report of Activities
M:2		Withdrawn.
M:3	J Browne and P Gallagher	"The relationship between annual Atlantic juvenile salmon population estimates and direct estimates of subsequent smolt runs (1980-84) in the Corrib system, Ireland"
M:4 Ref. E	L Tent	"Influence of water quality of the Lower Elbe upon sea trout migration to spawning grounds" (Citable)
M:5	D J Piggins	"The silver eel runs of the Burrishoole river system, 1959-84; numbers, weights, timing and sex ratios" (Citable)
M:6	A G Chermitsky	"The smolt status of wild and hatchery young Atlantic salmon, <u>Salmo salar</u> L." (Citable)
M:7		"List of publications related to the interests of the Anadromous and Catadromous Fish Committee, 1984" (Citable)
M:8 Ref.F	R A Myers and J A Hutchings	"Mating of anadromous Atlantic salmon, <u>Salmo salar</u> L., with mature male parr"
M:9	R A Myers, J A Hutchings and R J Gibson	"Variation in precocious maturation within and among populations of Atlantic salmon"
M:10	D G Reddin and J J Murray	"Environmental conditions in the Northwest Atlantic in relation to salmon catches at West Greenland" (Citable)

- M:11 D G Reddin "Contribution of North American salmon to the Faroese fishery" (Citable)
- M:12 D G Reddin "Identification of North American and European Atlantic salmon (Salmo salar L.) caught at Short and P B West Greenland in 1984"
- M:13 D W Hay "Overwinter post-tagging mortality and tag loss among autumn emigrating juvenile Atlantic salmon (Salmo salar L.) held overwinter in tanks" (Not citable)
- M:14 G Struthers "The composition and migrations of the adult and salmon stock in the Upper River Tummel, D Stewart Scotland, in 1984, with observations on the accuracy of resistivity counters at two fish passes" (Not citable)
- M:15 Withdrawn.
- M:16 G Struthers "Radio-tracking studies on the migratory behaviour of adult salmon in the Upper Tummel, a Scottish river harnessed for hydro-electric generation" (Not citable)
- M:17 A F Youngson "Changes in steroid hormone levels in blood and serum as an early prediction of approaching Ref.F and H A McLay maturity in Atlantic salmon (Salmo salar L.)" (Citable)
- M:18 M Chadwick, "Fishing and natural mortality rates for 1SW D G Reddin Atlantic salmon (Salmo salar L.)" and R F Burfitt (Not citable)
- M:19 E Ikonen "Migration of salmon post-smolts (Salmo salar L.) and H Auvinen in the Baltic" (Citable)
- M:20 A Saura "Parr densities and growth rate of sea trout and (Salmo trutta m. trutta) in the River E Ikonen Vantaanjoki" (Citable)
- M:21 E Jutala "Food composition of salmon post-smolts (Salmo salar L.) and J Toivonen in the northern part of the Gulf of Bothnia" (Citable)
- M:22 E Valle "Predation of birds on salmon and sea trout smolts and post-smolts" (Citable)

- M:23 E Niemelä "Salmon (Salmo salar) parr densities in the
et al. River Teno"
- M:24 E Niemelä "Preliminary sea trout (Salmo trutta L.) in-
et al. vestigations in the Teno River" (Citable)
- M:25 A Long- "Triploid salmon as an inexpensive, practical,
Ref.F well effective means of estimating national con-
tributions to a sea fishery" (Citable)
- M:26 D Guérault "Variations de l'abondance de la civelle
et al. au travers des données de production - secteurs
Loire et Vilaine" (Not citable)
- M:27 E C Potter "Use of coded wire microtags on juvenile Atlantic
and salmon (Salmo salar L.)" (Not citable)
J Browne
- M:28 E Jutila, "Recaptures of salmon post-smolts (Salmo salar L.)
and during the first summer after release in Finnish
T Alapassi tagging experiments" (Citable)
- M:29 T F Cross "An investigation of the use of electrophoresis
and to estimate the stock composition of salmon in
J A Healy the oceanic fishery off the Faroes" (Citable)
- M:30 S H i "Biological data and preliminary observations on
Jakupsstovu the spatial distribution of salmon within the
et al. Faroese fishing zone in February 1985" (Citable)
- M:31 C Kosko "Migration of rainbow trout (Salmo gairdneri
Rich.) released into the Baltic Sea"
(Not citable)
- M:32 F-W Tesch, "Eel larvae (Anguilla anguilla) development stage
Sess. U Niemann and stock density differences in time and space
and off the west coast of Europe" (Citable)
S A Flaga
- M:33 D H Mills "Population density and standing crop of juvenile
salmon and trout in Tweed watershed" (Citable)
- M:34 D H Mills "Age growth, population density and standing crop
and of eels in the River Tweed" (Citable)
S A Hussein

REFERENCE PAPERS FOR THE ANADROMOUS AND CATADROMOUS FISH COMMITTEE

- E:45 H C Freeman "The effects of an acidic river on weight
and gain, steroidogenesis, and reproduction
G B Sangalang in Atlantic salmon (Salmo salar)"
- F:4 V Tsuladze "The culture of rainbow trout in coastal basins
with fresh and sea water"
- F:7 R Wootten "Experience of sea lice infestations in
Scottish salmon farms" (Citable)
- F:15 J Chr.Holm "Live and frozen freshwater zooplankton as alter-
native startfeeding diets for Atlantic salmon
in trays"
- F:16 J Chr.Holm "Use of live freshwater zooplankton for start-
feeding Atlantic salmon in net pens"
- F:17 J Chr.Holm, "Increased growth rate in Atlantic salmon parr
P Jakobsen by using a two-colour diet"
and
G H Johnsen
- F:20 A Longwell "Subverting random segregation of genes to
produce clones of superior performing molluscs,
fish or crustaceans"
- F:24 O J Torrissen "Pigmentation of salmonid - a comparison
of astaxanthin and cantaxanthin as pigment
sources for rainbow trout"
- F:25 T Hansen "The transfer of Atlantic salmon (Salmo salar)
with constricted yolk sacs to an artificial
hatching substrate"
- F:27 T Nortvedt "The effect of illumination on alevins of
et al. Atlantic salmon (Salmo salar) and rainbow
trout (S. gairdneri), incubated on different
substrates"

- F:29 Y Ulgenes "The influence of a simulated transportation of newly fertilized Atlantic salmon eggs on mortality during the eyed stage"
- F:31 G L Taranger "Artificial hatching substrate, effect on et al. RNA/DNA ratio and protein retention during the yolk-sac period of Atlantic salmon (Salmo salar)"
- F:32 S Steffanson "The effect of different photoperiods on et al. growth and smoltification in Atlantic salmon (Salmo salar)"

N - MARINE MAMMALS COMMITTEE

<u>No.</u>	<u>Author</u>	<u>Title</u>
N:1		Report of Activities
N:2	O G Wylie and D Thompson	"The relative efficiency of aerial surveys and ground counts for estimating grey seal pup production" (Not citable)
N:3	W T Stobo and B Beck	"Preliminary analysis of seasonal sealworm burdens in Sable Island grey seals (<u>Halichoerus grypus</u>) and size-related differences"
N:4	A Bjørge	"The relationship between seal abundance and cod-worm (<u>Phocanema decipiens</u>) infestation in cod in Norwegian coastal waters" (Not citable)
N:5	G P Scott	"Management oriented research on <u>Tursiops truncatus</u> at the Southeast Fisheries Center" (Citable)
N:6 Ref.L	G P Scott <u>et al.</u>	"Biological and physical oceanographic correlatives to Cetacean density distribution in the Great South Channel" (Citable)
N:7	E Helle	"Intestinal Metazoan parasites in seals from the Gulf of Bothnia and Lake Saimaa"
N:8	Ø Wiig	"The status of grey seals (<u>Halichoerus grypus</u>) in Norway" (Not citable)
N:9	I Christensen	"First record of Gooseneck barnacles (<u>Conchoderma auritum</u>) on a minke whale (<u>Balaenoptera acutorostrata</u>)" (Not citable)
N:10 Ref.E	B Clausen	"Health status of the Harbour porpoise from Danish waters".
N:11	R Duguay	"Les Cétacés et Pinnipèdes trouvés sur les côtes de France en 1984" (Citable)

- N:12 Ph. Babin "Intoxication due aux hydrocarbures ingérés
Ref.E et R Duguay par Halichoerus grypus et Phoca vitulina"
(Citable)
- N:13 D Martineau, "Pathology, toxicology and effects of conta-
Ref.E P Béland and minants on the population of the St. Lawrence
C Desjardins Beluga (Delphinopterus leucas), Québec,
Canada"
- N:14 "Publications of interest to the Marine
Mammals Committee, 1984" (Citable)
- N:15 "Report of the Working Group on Baltic Seals,
Ref.E Cambridge, September 1985"
- N:16 J Pålsson "A preliminary report on the possible relation-
et al. ship between larval Anisakidae (Nematoda)
abundance in cod and the condition factor of
the host" (Citable)
- N:17 E Hauksson "Preliminary results of investigations on the
biology of seals at the coast of Iceland, in
the period 1980-1984" (Not citable)
- N:18 K Hoydal "Attempts to use the 274 years' Faroese time
series of catches of Pilot Whales
(Globicephala melaena, Traill) to assess the
state of the stock" (Citable)
- N:19 "Report of the Working Group on Harp and Hooded
Seals in the Greenland Sea, Copenhagen, 9-13
September 1985"
- N:20 E Helle "Intestinal metazoan parasites in seals from the
and E T Gulf of Bothnia and Lake Saimaa, NW Europe"
Valtonen
- N:21 A Bergman "Pathology of Baltic grey seal (Halichoerus
Ref.E and gryphus) and ringed seal (Pusa hispida) with
M Olsson special reference to adrenocortical hyper-
plasia. Is environmental pollution the cause
of a widely distributed disease syndrome?"
(Citable)

MINI-SYMPOSIUM ON: "CLOSED EXPERIMENTAL SYSTEMS: THEIR USE IN
ECOLOGICAL RESEARCH, PARTICULARLY OF FISH LARVAE"

<u>No.</u>	<u>Author</u>	<u>Title</u>
No. 1	E Moksness and V Øiestad	"Interaction of Norwegian spring-spawning herring larvae (<u>Clupea harengus</u> L.) and Barents Sea capelin larvae (<u>Mallotus villosus</u>) in a mesocosm study" (Not citable)
No. 2	J C Gamble	"More space for the sparsely distributed: an evaluation of the use of large enclosed experimental systems in fish larval research" (Citable)
No. 3		Withdrawn.
No. 4	E D Houde	"Mesocosms and recruitment mechanisms" (Citable)
No. 5	K T Frank and W C Leggett	"The dynamic nature of the trophic relationship between capelin (<u>Mallotus villosus</u>) larvae and its prey"
No. 6	R Bergen <u>et al.</u>	"Effect of thermal stratification on the growth and survival of haddock (<u>Melanogrammus aeglefinus</u>)"
No. 7	J E Beyer <u>et al.</u>	"Summary of Danish enclosure experiments" (Citable)
No. 8	S P Blythe, W S C Gurney and R M Nisbet	"Modelling copepods as a food-source for fish larvae in marine enclosure experiments: preliminary results on parameter estimation techniques" (Not citable)
No. 9	V Øiestad, A Folkvord and P G Kvenseth	"Growth-patterns of cod larvae, <u>Gadus morhua</u> from first feeding to metamorphosis studied in a mesocosm" (Not citable)
No. 10 Poster	G T Evans	"How many animals should one count?" (Citable)

- No.11 A J Fraser "Synthesis and transfer of lipids and fatty
Poster acids in an experimental marine food chain
including herring larvae" (Not citable)
- No.12 J Clinton "A study of possible genetic adaptation in
Poster et al. larval fish populations"
- No.13 J M Davies "Soluble organic carbon as a food source for
Poster et al. higher trophic levels"
- No.14 J C Gamble "Spaced-out larvae survive: a large-scale look
Poster et al. at predation by Aurelia aurita on yolk sac herring
larvae" (Citable)
- No.15 Withdrawn.
- No.16 E Bang "An initial study of distribution of plankton
Poster Christensen and growth of herring larvae in a
2.200 m³ enclosure"
- No.17 V Baarøy "Growth, survival and diet of turbot
Poster et al. (Scophthalmus maximus L.) larvae and juveniles in
relation to the feeding conditions: a basin and
a plastic bag"
- No.18 N J P Owens "A portable mesocosm for use in offshore and
Poster et al. oceanic studies"

PAPERS FOR THESE SESSIONS

IREP Problems (Q)

Convenors: Kullenberg, Troadec and Sherman

F:33,, F:36, F:38,F:51, G:21, G:41, G:55, G:59, G:74, H:17,
H:28, H:41, H:55,H:71,H:74, K:23, L:15, L:22, L:24, L:36,
L:38, Gen:4 (IREP report)

North Sea - Baltic Hydro-biological Studies (R)

Convenor: K P Koltermann

C:20, C:30, C:36,C:46, E:3, H:29, H:37, H:51, L:2, L:5, L:34,
L:35

Spawning and Larval Drift of Pelagic and Demersal Species (S)

Convenors: A Maucorps and B Vaske

F:6, G:6, G:7, G:13, G:18, G:31, H:9, H:12, H:15, H:30,H:43,
J:28, L:14, L:23, M:32

Environmental Working Group Topics (T)

Convenor: J M Bowers

C:2, C:41, C:42, C:43, C:45, E:6, E:9, E:11, E:13, E:16,F:5,
F:58, F:59, L:26, L:33

ACFM and Assessment Working Group Reports (U)

Convenor: O J Østvedt

Assess:1 to Assess:20; G:50 and G:73

Biological Effects of Contaminants (V)

Convenors: B I Dybern and J Harwood

E:2, E:19, E:23, E:24, E:25, E:26, E:27, E:28, E:29, E:39,
E:45, L:37

Environmental Aspects of Fish and Shellfish Culture (W)

Convenors: J E Stewart and B I Dybern

E:40, F:12, F:13, F:21, F:30, F:34, F:35, F:37, F:57, F:62,
F:66

Statistical Problems in Design of Surveys and Trend Monitoring
(X)

Convenor: K Paine

B:39, B:40, D:3, D:9, D:11, E:10, E:20, E:21, E:31, E:32,
E:34, E:35, E:36, K:18, L:20

Acoustic Methods (Y)

Convenors: G Thorsteinsson and A Maucorps

B:4, B:5, B:8, B:15, B:16, B:17, B:20, B:22, B:26, B:28, B:29,
B:30, B:32, B:33, B:41, B:43, B:44, B:49

Gear Selectivity (Z)

Convenors: G Thorsteinsson, J Mason, B Vaske and J Netzel

B:3, B:12, B:14, B:24, B:25, B:38, B:46, B:47, B:48, K:38,
K:47

ACFM - ADVISORY COMMITTEE ON FISHERY MANAGEMENT

- ACFM:1* Draft Agenda; ACFM Consultations at the 1985 Statutory Meeting.

- ACFM:2* "Schedule for 1986 Assessment Working Group Meetings and Draft Recommendations"

- ACFM:3* "Report on the 11th Session of IBSFC, Warsaw, Poland, 16-21 September 1985"

- ACFM:4* Draft Agenda, ACFM Meeting, 31 October - 7 November 1985.

ASSESSMENT WORKING GROUP REPORTS

- Assess:1 "Report of the North Sea Flatfish Working
Sess.U Group, Copenhagen, 3-8 September 1984".
- Assess:2 "Report of the North-East Arctic Fisheries Working
Sess.U Group, Copenhagen, 26 October - 3 November 1984".
- Assess:3 "Report of the Blue Whiting Assessment Working Group,
Sess.U 26 September - 3 October 1984".
- Assess:4 "Report of the Working Group on Atlanto-Scandian Herring
Sess.U and Capelin, Copenhagen, 29 October - 1 November 1984".
- Assess:5 "Report of Meeting of the Working Group on North Atlantic
Sess.U Salmon, St. Andrews, New Brunswick, Canada, 18-20
September 1984"
- Assess:6 "Report of the Working Group on Cod Stocks off East
Sess.U Greenland, Copenhagen, 16-21 January 1985".
- Assess:7 "Report of the Mackerel Working Group, Copenhagen, 18-27
Sess.U February 1985".
- Assess:8 "Report of the Industrial Fisheries Working Group,
Sess.U Copenhagen, 6-12 March 1985".
- Assess:9 "Report of the North Sea Roundfish Working Group,
Sess.U Copenhagen, 12-21 March 1985".
- Assess:10 Report of the Irish Sea and Bristol Channel Working
Sess.U Group, Copenhagen, 5-12 March 1985".
- Assess:11 "Report of the Working Group on North Atlantic Salmon,
Sess.U Copenhagen, 18-26 March 1985".
- Assess:12 "Report of the Herring Assessment Working Group for the
Sess.U Area South of 62° N, Copenhagen, 19-29 March 1985".
- Assess:13 "Report of the North Sea Flatfish Working Group,
Sess.U Copenhagen, 27 March - 2 April 1985".
- Assess:14 "Report of the Baltic Salmon and Trout Assessment Working
Sess.U Group, Copenhagen, 11-16 April 1985".
- Assess:15 "Report of the Working Group on Assessment of Demersal
Sess.U Stocks in the Baltic, Copenhagen, 15-24 April 1985".

- Assess:16 "Report of the Working Group on Assessment of Pelagic
Sess.U Stocks in the Baltic, 15-26 April 1985".
- Assess:17 "Report of the Division IIIa Demersal Stocks Working
Sess.U Group".
- Assess:18 "Report of the Saithe (Coalfish) Working Group,
Sess.U Copenhagen, 23-29 April 1985"
- Assess:19 "Report of the Working Group on North Atlantic Salmon,
Sess.U Bangor, Maine, USA May 6-8, 1985"
- Assess:20 "ACFM comments on Stock Assessment Working Group Reports:
by Ø Uiltang A Supplement (for Working Groups) to the ACFM Report of
November 1984 and May 1985"

REFERENCE PAPERS FOR THEME SESSION U

- G:50 K Brander "How well do Working Groups predict catches?"
- G:73 J G Shepherd, "Towards improved procedures for fisheries
K Brander and management"
D J Garrod

ACMP - ADVISORY COMMITTEE ON MARINE POLLUTION

- ACMP:1* Agenda for the Advisory Committee on Marine
Pollution
- ACMP:2* "Addendum to discussion under Agenda Item 5 of ACMP
Meeting, June 1985, regarding results of the U.K.
harmonized river monitoring programme"
- ACMP:3* "Requests from ACMP for action by other ICES
Working Group and Committees"
- ACMP:4* "ICES work programme for 1986"