



Report of the Fifth Session

**CONTINUING WORKING PARTY ON FISHERY STATISTICS
IN THE NORTH ATLANTIC AREA**

Aberdeen, Scotland, 10 - 14 April 1967



**FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS
ROME, 1967**

Report of the
Fifth Session of the Continuing
Working Party on Fishery Statistics
in the North Atlantic Area

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PREPARATION OF THIS REPORT

This document is the Report of the Fifth Session of the Continuing Working Party on Fishery Statistics in the North Atlantic Area, held in Aberdeen, Scotland, 10-14 April 1967. This Report is reproduced in the FAO Fisheries Reports series by the Secretariat provided by the Director-General of FAO to the Continuing Working Party on Fishery Statistics in the North Atlantic Area.

The Expert Meeting on Fishery Statistics in the North Atlantic Area, organized by FAO, co-sponsored by ICES and ICNAF, and held in Edinburgh, Scotland, 22-29 September 1959, recommended in paragraph 91 of its Report (reproduced as Annex A of the above-mentioned document) the formation of a Continuing Working Party on Fishery Statistics in the North Atlantic Area which was established in terms of Resolution No. 23/59 of the 10th Session of the FAO Conference, 1959; this Resolution reads:

THE CONFERENCE

Welcomes the suggestion of the meeting for the establishment of a Continuing Working Party on Fishery Statistics in the North Atlantic Area, to keep under continuous review the progress made in the implementation of the recommendations of the meeting, consult with the officers of governments and of international organizations with respect to difficulties encountered and, keeping in mind the actual state of fishery statistical services in the different countries, make suggestions for further national and international action in its field to governments and international organizations as appropriate;

Agrees that the Working Party should consist of one governmental expert each nominated by the Governments of Canada, Germany, Iceland and the United Kingdom, one expert each nominated by the Secretary-General of the International Council for the Exploration of the Sea and the Executive Secretary of the International Commission for the North-west Atlantic Fisheries, one expert nominated by the Director-General of FAO, and such additional experts as may be nominated by the Working Party itself; and

Authorizes and requests the Director-General to establish the Working Party in accordance with Article VI of the Constitution and to arrange, as requested by the meeting, for the FAO Fisheries Division to function as secretariat for the Working Party.

The Reports of the First and Second Sessions, held in Bergen, 25-26 May 1960, and Washington D.C., 6-8 June 1961, respectively, appear as Annexes J and K of the following document:

Farrish, B.E. (Ed.) (1962)
 FAO Fish.Rep., (3):217 p.
 Requirements and improvement of fishery statistics in the North Atlantic region.
 Report based on documents of the expert meeting on fishery statistics in the North Atlantic area, held in Edinburgh, Scotland, 22-29 September 1959.

The Report of the Expert Meeting on Fishery Statistics in the North Atlantic Area, organized by FAO, co-sponsored by ICES and ICNAF, and held in Edinburgh, Scotland, 22-29 September 1959, and the Reports of the First and Second Sessions, held in Bergen, 25-26 May 1960, and Washington D.C., 6-8 June 1961, respectively, have been published also as FAO Fisheries Circular No. 37

The Report of the Third Session, held in Rome, 18-22 March 1963, has been published as:

Continuing working party on fishery statistics in the North Atlantic area,
 18-22 March 1963, Rome (1963)
 FAO Fish.Rep., (7):35 p.
 Report of the third session.

The Report of the Fourth Session of the Continuing Working Party on Fishery Statistics in the North Atlantic Area, held in Rome, 9-12 March 1965, has been published as:

Continuing working party on fishery statistics in the North Atlantic area,
 9-12 March 1965 (1965)
 FAO Fish.Rep., (21):34 p.
 Report of the fourth session.

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1. ADOPTION OF AGENDA AND RELATED PROCEDURAL MATTERS

(Agenda Item 1)

- 1.1 As Mr. L. Butler, the Chairman of the Fourth Session in 1965, was no longer a member of the Continuing Working Party, the first meeting of the Fifth Session was opened by its Vice-Chairman, Mr. Mar Elísson (Iceland), who took the chair temporarily. He asked for the adoption of Draft Agenda Item 1, dealing with procedural matters.
- 1.2 The Acting Chairman introduced Dr. Cyril Lucas, Director of the Marine Laboratory (Aberdeen) of the Department of Agriculture and Fisheries for Scotland, who extended the Department's welcome to the members of the Continuing Working Party.
- 1.3 The Acting Chairman then introduced Mr. R.W. Harrison, Director of the FAO's Fishery Economics and Products Division, who extended a welcome to the members on behalf of FAO and its Department of Fisheries. The speakers noted that the Continuing Working Party resulted from recommendations of the Expert Meeting on Fishery Statistics in the North Atlantic Area, 22-29 September 1959 and was organized by FAO in co-sponsorship with ICES and ICNAF, in Edinburgh, not far from the locale of the Fifth Session. They both stressed the importance of the work being done.
- 1.4 The Secretary, on request from the Acting Chairman read out the names of the seven representatives present from (a) Canada, (b) the Federal Republic of Germany, (c) Iceland, (d) the United Kingdom, (e) FAO, (f) ICES, (g) ICNAF.
- 1.5 Mr. Mar Elísson (Iceland) was unanimously elected Chairman. The first act of the Chairman and the members of the Continuing Working Party was to pay tribute to the late Dr. Arni Fridriksson, former Secretary-General of ICES, whose death occurred in October 1966. As a member of the Continuing Working Party since its inception in 1959 up to his retirement due to ill-health earlier in 1966, and in his capacity as Secretary-General of ICES, Dr. Fridriksson greatly facilitated the introduction and establishment of the inter-agency STANA reporting system. The Chairman then welcomed Mr. Hans Tambs-Lyche, who succeeded Dr. Fridriksson as Secretary-General of ICES, and also the following members participating for the first time in the sessions of the Continuing Working Party: Mr. A. Bishop, Mr. L.B. Linley and Dr. H. Völkl.
- 1.6 Mr. A. Proulx (Canada) was unanimously elected as Vice-Chairman.
- 1.7 The Secretary, on request of the Chairman, read a list of proposed additional members to be co-opted and of the observers present. The nomination of these participants as co-opted members was approved.
- 1.8 The Draft Agenda was then reviewed and adopted.
- 1.9 The Schedule of Work was reviewed and amended to enable the Chairman to close the Session on Friday afternoon, 14 April 1967.
- 1.10 Messrs. L. Day (ICNAF) and H. Tambs-Lyche (ICES) were appointed rapporteurs for Agenda Items 2 and 3; Messrs. L.B. Linley (United Kingdom) and A. Bishop (United Kingdom) and Dr. A. Meyer (Federal Republic of Germany) for Agenda Items 4 and 5; Mr. P. Adam (OECD) for Agenda Item 7; Messrs. W. Doucet (FAO) and A. Proulx (Canada) for Agenda Item 9; Mr. L.P.D. Gertenbach (Secretary) for Agenda Items 1, 6, 8, 10 and 11.

2. ICNAF STATISTICAL PROGRAM AND ICNAF "STATISTICAL BULLETIN"

(Agenda Items 2.1 and 3.1)

2.1 ICNAF Statistical Program

- 2.1.1 The Executive Secretary of ICNAF mentioned briefly the improvements already made to the Commission's statistical procedures as well as those proposed (STANA:5/67/2A, "Report on the fishery statistical program of ICNAF 1965-1968"). The improvements made were based on recommendations of the Continuing Working Party and of the ICNAF Subcommittee on Statistics and Sampling. "Silver hake" and "herring" were re-classified as major ICNAF species and statistics on their nominal catches for the years 1954 to 1965 were presented by subarea and country for the first time in the ICNAF Statistical Bulletins for 1964 and 1965.
- 2.1.2 The Executive Secretary advised that the list of vessels over 50 gross tons fishing in the ICNAF area in 1965 was distributed in March 1967. It contained for the first time a summary of fishing effort for the year to which the vessel data pertain.
- 2.1.3 The Executive Secretary advised that the Commission was considering proposals to extend its statistical collections southward to the latitude of Cape Hatteras in order to include complete statistics on the hakes and other species already fished in Subarea 5.
- 2.1.4 The co-operation of ICES, OECD and FAO, through the Secretary of the Continuing Working Party, was acknowledged and the value of continued close working arrangements stressed.
- 2.1.5 Following discussion of the difficulties created by the lack of adequate statistics from non-member countries of ICNAF fishing in the ICNAF area, the Continuing Working Party recommended that further efforts be made, through the offices of FAO and ICES, to obtain statistics on nominal catch and fishing effort from non-member countries of ICNAF.
- 2.1.6 The Executive Secretary announced that all ICNAF member countries were now using the STANA forms for presentation of statistical data to the Commission. The appointment of an Assistant Executive Secretary made possible the preparation of the 1965 statistics for delivery to the printers in November 1966 - four months after their receipt in the Secretariat of ICNAF.

2.2 ICNAF "Statistical Bulletin"

- 2.2.1 The Executive Secretary of ICNAF presented volumes 14 (for 1964) and 15 (for 1965) of the Statistical Bulletin. He advised that new tables (F and G) presenting an historical development of fisheries for silver hake, and herring had been included in Volume 14 (for 1964).
- 2.2.2 Following discussion, the Continuing Working Party recommended the following improvements to the Statistical Bulletin series:
- (a) include a sub-total of the nominal catches of groundfish species and groundfish (not specified) in Table 1;
 - (b) delete the list of conversion factors;
 - (c) add "major" before "species" in the legend for Table 1 and footnote the aggregate "All species";
 - (d) introduce a space or comma to separate thousands.

3. ICES STATISTICAL PROGRAM AND ICES "BULLETIN STATISTIQUE DES
PECHES MARITIMES" AND "FISHERIES NEWS LETTERS"

(Agenda Items 2.2 and 3.2)

3.1 ICES Statistical Program

- 3.1.1 The Secretary-General of ICES presented the report of the fishery statistical program of ICES (STANA:5/67/2B, "Report on the fishery statistical program of ICES 1965-1968"). He acknowledged the collaboration of FAO in making possible early releases of Tables 1-5 of the ICES Bulletin Statistique. He reviewed the status of publications and the improvements incorporated, including the new introductory Table J, "The member countries catches in the ICES Area and their Total Catches" and Table K, "Catches made by non-member countries of ICES in the ICES Area (North)".
- 3.1.2 The Secretary-General of ICES also referred to the new Table 4A giving a breakdown by countries for 14 selected species for the ICES Area North and South, ICNAF Region, West Greenland and "other areas" and world totals.
- 3.1.3 The Continuing Working Party was advised that the future plans and programs of ICES were to consolidate and review statistical tables and procedures in all ICES statistical publications.
- 3.1.4 In reviewing the work of ICES in the statistical field and the value of such work, the Continuing Working Party was pleased to note that the need to strengthen the professional staff of the ICES Statistical Department was being considered. It strongly recommended that the post be filled as early as possible in order to provide a speedier and more complete service.
- 3.1.5 The Secretary-General acknowledged the co-operation and collaboration of FAO, ICNAF, SOEC and OECD and expressed the firm intent of ICES to continue to take part in inter-agency collaboration on as broad a scale as possible.
- 3.2 ICES "Bulletin Statistique des Pêches Maritimes" and "Fisheries News Letters"
- 3.2.1 The Secretary-General presented Volume 49 of the Bulletin Statistique and referred also to some changes being made in Volume 50, now under preparation and partly in print.
- 3.2.2 During the discussion following the presentation, it was pointed out that nowhere in the Bulletin Statistique or the News Letters is there a clear indication of how far the present catch and effort statistics are from total coverage. Even if this should not be considered an absolute necessity, an evaluation of what is now available and of existing gaps would be most useful. It was hoped that the ICES Secretariat with an increased staff would be able to undertake such an evaluation.
- 3.2.3 Table 7 of the Bulletin Statistique was discussed and the Continuing Working Party expressed doubt about its usefulness, under the present conditions of rather unsatisfactory and apparently declining coverage. It recommended that the ICES Statistics Committee should review it; if that Committee finds that it could be deleted, the Continuing Working Party will have no objection. At the same time, it was pointed out that a change in the table to give total catches and a more precise definition of gear-classes could increase its usefulness.

- 3.2.4 With reference to Table 4 and especially to the information concerning hake, it was pointed out that the Spanish catches, for instance, still seemed to refer to the areas in which the ports of landing are situated and not to the areas of catch. Because such deficiencies in area breakdowns render parts of the catch statistics misleading, it was urged that the country or countries concerned should at an early date take steps to refine their statistical collection and classification procedures to conform with established practice. In any case, the Secretariat of ICES should see that the figures concerned are adequately footnoted. The Continuing Working Party suggested that correspondence with the relevant national offices might enable the Secretariat to undertake approximate breakdowns of the catches according to the areas concerned.
- 3.2.5 The Continuing Working Party also suggested that the area breakdown of the North Sea into three divisions (IVa, IVb and IVc) may no longer be needed. It was pointed out that only about two-thirds of the total catch can be broken down according to these three divisions, and that the three divisions do not coincide with a breakdown according to the most important fish stocks in the area. The Continuing Working Party suggested that the ICES Statistics Committee might consider the need for the continuation of this split up of the North Sea. If it is continued, however, North Sea totals should be given in addition to the figures for the three divisions.
- 3.2.6 It was also pointed out that there are differences in the figures given for West Greenland by ICNAF and ICES. While this may be wholly or partly explained by the ICNAF figures including shellfish, and ICES figures excluding them there may also be revisions undertaken by ICNAF which under the present practice are not accounted for in the ICES figures. The Continuing Working Party therefore recommended that ICES should in the future (from Volume 50 of the Bulletin Statistique on) check its final figures for catches in the ICNAF Statistical Area against those published in the ICNAF Statistical Bulletin. It also recommended that a total should be given for each species column of Table 5 of the Bulletin Statistique.
- 3.2.7 The Continuing Working Party recommended that ICES should consider the possibility of including a table with a breakdown of catches according to the "regions" established by the North-East Atlantic Fisheries Convention.

4. THE FISHERY STATISTICAL PROGRAM OF THE STATISTICAL OFFICE OF THE EUROPEAN COMMUNITIES AND ITS FISHERY STATISTICS PUBLICATIONS

(Agenda Items 2.3 and 3.3)

4.1 SOEC Fishery Statistical Program

- 4.1.1 The Continuing Working Party heard the report by the observer from the Statistical Office of the European Communities (STANA:5/67/2C, "Report on the fishery statistical program of the Statistical Office of the European Communities 1965-1968"). It was pointed out that the work of this Office in relation to fisheries was concerned at the moment with three main groups of statistics (a) production statistics, (b) price statistics, and (c) fleet statistics. Work is going on in preparing, with the help of electronic data equipment, monthly data on external trade of fish products converted into live weight equivalent. A monthly publication of these data, together with landings and prices, is planned for this year.
- 4.1.2 Studies are being made on the collection of statistics concerning processing of fresh fish. Regarding price statistics, comparability of prices in the EEC countries is being investigated with the aim of obtaining a clear concept of comparable prices. Regarding fleets and crews, it was pointed out that there were insufficient data on the crew item. Lack of uniformity of data and choice of reporting systems for fishing fleet statistics were among the important questions to be resolved.
- 4.1.3 Automatic data programming and processing were emphasized.
- 4.2 The "Fisheries Statistics" numbers in the SOEC series "Agricultural Statistics"
- 4.2.1 The observer for the Statistical Office of the European Communities (SOEC) presented numbers 6 of 1965 and 9 of 1966 in the "Agricultural Statistics" series. These two publications dealing with fishery statistics are mainly concerned with what happens to the fish after landing. They give balances for fish and fish products for the member countries as well as for the community as a whole. Information on processing, external trade, and utilization of the different fish products is included.
- 4.2.2 The Continuing Working Party observed that the SOEC's Working Group on Fishery Statistics had undertaken a pioneer task in the formulation of definitions and especially in the setting up of supply balance sheets, and recommended that FAO and OECD should keep close contact with this development and try to extend the same system to wider groups of countries.
- 4.2.3 The new designs of tables covering fleet statistics for the EEC countries, making the tables comparable with the groupings in the ICES statistics, were noted with interest.
- 4.2.4 The Continuing Working Party noted with regret that SOEC uses a split year basis for its statistical tabulations which leads to its tables not being comparable with the fishery statistics published by FAO, ICES and ICNAF and other fisheries organizations. This need will partly be met when SOEC publishes monthly breakdowns of at least some of the figures. The difficulty that national offices will report to SOEC on a split year basis while reporting to other organizations on a calendar year basis will remain.
- 4.2.5 The Continuing Working Party suggested therefore that SOEC, FAO and other international organizations should re-examine this problem to see if the SOEC could possibly change their fishery statistics to a calendar year basis.

5. OECD FISHERY STATISTICAL PROGRAM AND VARIOUS OECD STUDIES

(Agenda Items 2.4 and 3.4)

5.1 OECD Fishery Statistical Program

5.1.1 The Continuing Working Party heard the report on OECD fishery statistical work (STANA:5/67/2D, "Report on the fishery statistical program of OECD 1965-1968"). It noted that OECD does not collect fishery statistics regularly but that the work of its Committee on Fisheries involves constant reference to various existing statistics from international and national sources. Moreover, OECD studies are mainly, if not entirely, economic and are seriously hampered by the present unsatisfactory state of economic statistics in fisheries. The Committee has a program of study to determine what are the most useful economic statistics and what means should be employed to collect them. Recent studies on fleet statistics have been completed, i.e. the form in which vessel statistics could be collected for maximum usefulness and the size and operational composition of the North Atlantic fleets to 1970.

5.1.2 The Continuing Working Party noted the aim of the Committee to continue studies on fleet statistics, prices and values - such studies to lead, in the latter cases, to possible definition of prices and values and methods of collecting such data.

5.2 OECD Various Studies

5.2.1 The observer for the OECD referred to costs and earnings studies undertaken and published by the OECD. The publications, being of an ad hoc nature, were not reviewed.

6. FAO FISHERY STATISTICAL PROGRAM AND "YEARBOOK OF FISHERY STATISTICS" AND "BULLETIN OF FISHERY STATISTICS"

(Agenda Items 2.5 and 3.5)

6.1 FAO Fishery Statistical Program

- 6.1.1 The Continuing Working Party heard the report on the FAO fishery statistical program (STANA:5/67/2E, "Report on the fishery statistical program of FAO 1965-1968 (FAO Fisheries Circulars Nos. 150 and 169)"). Both Divisions of the recently formed FAO Department of Fisheries have activities requiring considerable data on fishery statistics. In the Fishery Economics and Products Division, the Yearbook of Fishery Statistics and other publications are prepared. Data for the assessment of fishery resources and for economic appraisals are also assembled. In the Fishery Resources and Exploitation Division detailed data on catch and fishing effort are required. The Fishery Data Centre collects and stores for use, as required, biological data of a statistical nature.
- 6.1.2 Mechanical data processing is being considered for retrieval of both statistical and biological data.
- 6.1.3 The Continuing Working Party welcomed information on the contribution of the Department of Fisheries to the work of the Indicative World Plan (IWP) which aims to assess the fish production possibilities for the years 1975 and 1985.
- 6.1.4 The close collaboration on fishery statistics in the North Atlantic among the various agencies ICNAF, ICES, OECD, SOEC was recognized. Appreciation was expressed by the various agencies mentioned for the continued assistance of FAO, through the Continuing Working Party, in providing a common system for statistical procedures in the North Atlantic. The need for a continuing control apparatus among ICES, ICNAF, FAO and other agencies concerned with statistics on the fisheries of the North Atlantic was emphasized.

6.2 FAO "Yearbook of Fishery Statistics" and "Bulletin of Fishery Statistics"

- 6.2.1 Document STANA:5/67/3F (FAO: Bulletin of Fishery Statistics, No. 12, "Catches in the North Atlantic, 1965") was reviewed by the Secretary.
- 6.2.2 The question of the usefulness and necessity of a continued publication of this series was considered in view of the recent improvements in the ICNAF and ICES Bulletins, and also because advance releases of Tables 1-5 of ICES Bulletin Statistique can in the future be expected to be available in October/November of the year following that to which the data refer.
- 6.2.3 The Continuing Working Party recommended that ICES, ICNAF and FAO consider in the near future whether a further development of the ICNAF and ICES Bulletins might make the annual issue of the FAO Bulletin either superfluous or permit a reduction in its size.
- 6.2.4 In the meantime, the "ICES side" of the FAO Bulletin should in the next two issues be broken down only to show the three NEAFC regions, the North Sea, and the Baltic.
- 6.2.5 In this connection the Continuing Working Party suggested that ICNAF should consider giving ICES totals in its Table 3 for species of common interest.

- 6.2.6 The Continuing Working Party further agreed that the North-East Atlantic Fisheries Commission should be asked by the ICES Secretary-General to consider its Region I and ICES areas I, II, V, XII and XIV as identical for statistical purposes.
- 6.2.7 The Continuing Working Party agreed that in the FAO Yearbook of Fishery Statistics ("Catches and landings" Volumes) the coverage as to species of the different tables should be clearly stated, wherever possible in table headings, or in any case in the introduction to these volumes. The Continuing Working Party requested FAO to review the set-up to see if some refinement along these lines might be achieved.
- 6.2.8 The Continuing Working Party recommended that the graphs should present references to the tables where the relevant detailed information is found, and that there should be included in the section of graphs a table showing the catches of the most important fishing countries in ranking order.
- 6.2.9 FAO Yearbook of Fishery Statistics, Volume 21, was presented and it was agreed that close contact should be kept between FAO, OECD and SOEC, to insure that the definitions and the tabular design are the same or comparable in the statistical publications of the three organizations.

7. SUGGESTIONS FOR STANDARDIZING ABBREVIATIONS, ETC.

(Agenda Item 3.6)

- 7.1 With reference to document STANA:5/67/3G (Notes on the standardization of abbreviations, tabular symbols and terminology in fishery statistical publications (FAO Fisheries Circular No. 151)) the Continuing Working Party discussed the need for and the possibility of a common system of abbreviations and symbols for use in statistical publications.
- 7.2 In this connection it was pointed out that the symbol ϕ , used for "negligible, or less than half the unit listed" presented typographic difficulties for some printers, and might easily be confused with other statistical symbols. It was therefore recommended that the Secretary of the Continuing Working Party should investigate the possibility of changing to another symbol, or to use O (zero) as meaning "nil, or less than half the unit listed", in the FAO Yearbook of Fishery Statistics.
- 7.3 In the meantime, however, it was agreed that FAO, ICNAF and ICES would continue to use the symbol " ϕ " temporarily in order to achieve a common system for the three publications giving catch statistics for the North Atlantic. The Continuing Working Party also recommended the introduction, in all North Atlantic fishery statistical publications, of bold horizontal or vertical bars to indicate significant breaks in the historical comparability of time series.
- 7.4 The Continuing Working Party recommended that the Secretary, after consulting other international statistical bodies, prepare a standard list of symbols for consideration and adoption by FAO's Department of Fisheries, ICES and ICNAF.
- 7.5 The Continuing Working Party also urged that the designation "Nominal catch" should replace the word "catch" where practicable in the FAO Yearbook of Fishery Statistics, Bulletin of Fishery Statistics and Fisheries Circulars, as well as in other publications whenever "live weight equivalent of the landed weight" is indicated.

8. LISTS OF NAMES OF NORTH ATLANTIC SPECIES

(Agenda Item 4)

- 8.1 The ICNAF List of Species and the ICES List of Names of Fish and Shellfish were accepted by the Continuing Working Party as useful lists of scientific and vernacular names of commercial fish for their respective areas.
- 8.2 The OECD draft Multilingual Dictionary of Fish and Fish Products was examined. The OECD representative said that this Dictionary was intended as a source of information for trade interests, administrators, and economists rather than biologists. It had not been practicable to split the document into two volumes, one for fish and another for fish products. Indexes would be added in national languages of member countries. Many amendments were received, following the circulation of the Dictionary to member countries, but these were not included in the copies before the Continuing Working Party.
- 8.3 The Continuing Working Party recommended that:
- (a) the final version of the OECD Dictionary should indicate the species names as in the last lists adopted for statistical purposes by ICES, ICNAF, FAO and SOEC;
 - (b) the scientific names for families should not be in italics but in some other distinguishing lettering, as in ICES List of Names of Fish and Shellfish;
 - (c) an index of scientific names should be included;
 - (d) it would not be practicable to introduce general groupings in the Dictionary, other than in a strict alphabetical order.
- 8.4 The Continuing Working Party reviewed the draft version of the FAO Bulletin of Fishery Statistics subtitled "North Atlantic Species Names" submitted as document STANA:5/67/4C (FAO Fisheries Circular No. 99). It confirmed the view expressed at its Fourth Session that this proposed Bulletin of Fishery Statistics would be most useful for fishery workers concerned with North Atlantic fishery statistics; and to the end of further extending the STANA reporting system, it considered it most desirable to have such a document in a regular series for purposes of reference in the preparation of notes, instructions and reports on fishery statistics concerned with these North Atlantic species.
- 8.5 The Continuing Working Party reconfirmed the recommendation of the Fourth Session (1965) "that FAO should publish a Bulletin of Fishery Statistics in which should be tabulated the scientific, English, Spanish and French common names of all species appearing in the tables in the publications of ICES, ICNAF and FAO".
- 8.6 The Continuing Working Party, after reviewing the draft version of the Bulletin, recommended:
- (a) that it would be useful if the identifying numbers used against items in the draft OECD Dictionary were carried into Table A of this FAO Bulletin;
 - (b) that the scientific names of the fish should go on the extreme left-hand side of all tables in this publication (i.e. as the first column);
 - (c) that a full check of the names against the ICES, ICNAF and OECD lists should be made.

9. QUANTITY CONVERSION FACTORS

(Agenda Item 5)

- 9.1 The Secretary reported that conversion factors used to arrive at the live weight equivalent of fish and fish products had been provided by most member countries with STANA forms. It was seen advisable to examine the difference between the factors used by countries since they sometimes varied for the same species, for example, because of different areas of catch or seasons. It was agreed that the Secretary should compile lists of all the factors used by member countries for fish landed from the North Atlantic, with individual species arranged by FAO species groups. The drafts of these FAO Fisheries Circulars should then be distributed to ICES, ICNAF, SOEC, OECD and the countries for comments. It was recognized however, that conversion factors are a national problem and that no attempt should therefore be made to establish common international factors. The work of the Secretary in this field should simply be construed as a guide to countries.

10. STANDARD CLASSIFICATION AND CODIFICATION FOR AUTOMATIC DATA PROCESSING PURPOSES

(Agenda Item 6)

- 10.1 In introducing documents Nos. STANA:5/67/6A (Classification and codification of countries (FAO Fisheries Circulars Nos. 88 and 89)), STANA:5/67/6B (Classification and codification of species and species groups (FAO Fisheries Circulars Nos. 159 and 168)) and STANA:5/67/6C (Classification and codification of fishing areas (FAO Fisheries Circular No. 160)), the Secretary pointed out that at its Fourth Session the Continuing Working Party noted that the FAO statistical program was closely linked with those of ICES and ICNAF.
- 10.2 The Continuing Working Party urged FAO to consider developing an automatic data processing (ADP) system and stressed that when a feasibility study was undertaken by FAO the needs of ICES and ICNAF should, if possible, also be taken into account, as it might eventually prove advisable for them to use a similar system in their statistical processing programs. It also recommended that FAO, in advance of the above-mentioned study, undertake a study of possible numerical coding systems of all aquatic animals and plants for automatic statistical processing purposes.
- 10.3 The Continuing Working Party discussed the different aspects of automatic data processing systems with reference to its future statistical activities and needs. Transfer of data from member countries to international organizations by means of punch cards or tapes instead of forms, building up of readily accessible data archives, data retrieval, the availability of standard or ad hoc programs for the different users of statistics (without the necessity of publication) as well as facilities for preparing publications, were recognized as some of the benefits to be derived from mechanical data processing.
- 10.4 The Continuing Working Party therefore welcomed the draft standard classifications and numerical codes developed by the Secretary for countries, fishing areas and species which are to be reviewed by experts in the different fields. The Continuing Working Party urged FAO to continue this work, especially to develop numerical codes in other fields of fishery statistics. In this connection, it was observed that the code developed for fishing areas was not suited in its present form to the complexity of the present ICES area system.
- 10.5 The Continuing Working Party also welcomed the FAO proposal to engage a consultant (in the field of systems analysis) (a) to review these codes and the FAO/ICES/ICNAF programs, and (b) to propose an automatic data processing program suited to the publication requirements of the agencies concerned. The Continuing Working Party also noted that it is proposed to develop data processing in a flexible way, in order to provide for the future expansion of the FAO system to areas other than the North Atlantic. The Continuing Working Party was of the opinion that world-wide international standardization (with provision for regional modifications) would benefit all national offices and significantly ease their task of reporting fishery statistics on a global basis to different regional intergovernmental fishery bodies. These problems at the national level are becoming extremely complicated through the development of factory ship operations and the expansion of many national fishing fleets to long-distance operations in different fishing regions throughout the world's oceans.

11. FISHING FLEET STATISTICS AND THE ESTABLISHMENT OF
INTERNATIONAL REGISTERS OF FISHING CRAFT

(Agenda Item 7)

11.1 ICNAF List of vessels

11.1.1 The ICNAF List of vessels for 1965 (STANA:5/67/7A, "ICNAF List of vessels over 50 gross tons fishing in the ICNAF Convention Area") was presented by the Executive Secretary of ICNAF. It was pointed out that a new group of tables was introduced, i.e. a summary of the fishing effort in ICNAF's Convention Area for the year 1965.

11.2 Proposed ICES List of fishing craft

11.2.1 Document STANA:5/67/7B, "Notes on the ICNAF and ICES forms for collecting data on lists of vessels (FAO Fisheries Circulars Nos. 78 and 90)" was presented by the Secretary-General of ICES with additional information on the experimental collection of data on fleets fishing in the ICES area, an exercise which is now underway. It was mentioned that this was considered as a first step towards a joint ICNAF/ICES North Atlantic list. Further progress will be examined in October, at the next meeting of ICES based on what information will have been made available.

11.3 Fleet statistics in the "Fisheries Statistics" number of the SOEC's "Agricultural Statistics" publication

11.3.1 The changes introduced in the 1966 "Fisheries Statistics" number of the SOEC's "Agricultural Statistics" series were noted as an example of how fleet statistics could be presented for several countries in order to serve different purposes: (i) tonnage groupings according to ICES and (ii) types of boats according to the economics-oriented needs of the Statistical Office of the European Communities.

11.4 Review of publicly or privately published registers of fishing boats

11.4.1 An inquiry made on a number of such registers led the ICES Secretary-General and the FAO's Fishery Statistics and Economic Data Branch to the conclusion that, although these registers are useful for purposes of cross-checking, they do not yet all contain the details which can contribute substantially to international statistical work. Too few vessel characteristics are yet recorded by some of these registers.

11.5 Determination of fishing craft characteristics to be recorded for international fleet statistics and possible joint action towards the collection of such data

11.5.1 Document STANA:5/67/7C, "Report on meeting of experts on fishing vessel statistics, Paris, 8-10 March 1967", was presented by the head of the OECD Fisheries Division.

11.5.2 The assumptions on which this exercise was based were pointed out as follows:

- (i) The document comprises an extensive list of boat characteristics, all of interest for at least several of the possible users. No priorities were allocated as this could only be done after a more detailed inquiry re the availability of data. Similarly, this list should not be interpreted as a questionnaire, the framing of questionnaires being left for a later stage;
- (ii) Although satisfactory world-wide fleet statistics cannot be at present envisaged, the list was drawn up with reference to any possible type of fishery;
- (iii) The register which would list the vessels with all relevant characteristics would be established utilizing data processing facilities which, in addition to all the benefits of such a system (See Section 10), would allow for any groupings and classifications. A clear cut separation would therefore be drawn between operational and more constant statistics. The register would not have to be periodically reconstructed (as is the case of the ICNAF list), but only periodically amended, i.e. the work at the start would be rather considerable but much simpler afterwards.

11.5.3 The Continuing Working Party recognized the desirability of detailed information along these or similar lines but noted the enormous difficulties involved. It expressed the opinion that the work should be continued in order to investigate the possibilities of further action and recommended that:

- (a) An inquiry on existing sources of data other than those already investigated should be made at the start. An experimental collection of data for one or several countries would serve the purpose of testing the availability of information and its processing by computer. Such trials should be done by an expert working in the country concerned;
- (b) No comment was made on the list itself other than to confirm that it met the requirements of both ICES and ICNAF;
- (c) The size limit of 150 GRT should be adopted as a first step, because it would allow for the coverage of an important part of mobile fleets. It was nevertheless realized that a lower limit (e.g. 50 GRT) might have to be considered at a later date both for biological and economic assessments.

12. REVIEW OF NATIONAL PROCEDURES FOR TREATING FACTORY TRAWLER
AND PAIR TRAWLER STATISTICS

(Agenda Item 8.1)

12.1 Factory trawler statistics

- 12.1.1 The Continuing Working Party reviewed document STANA:5/67/8A, "Report on national procedures for treating factory trawler statistics and related problems (FAO Fisheries Circulars Nos. 163 and 167)" presented by the Secretary and noted that several countries with factory ships operating in the North Atlantic are experiencing difficulties in allocating nominal catch data according to (a) calendar month of capture and (b) fishing area.
- 12.1.2 It took account of the report by the representative for the Federal Republic of Germany that steps are being taken to introduce new forms which would produce more accurate data with respect to time and area reported by the growing factory trawler fleet of this country.
- 12.1.3 The Continuing Working Party recognized the reporting difficulties caused by lengthy fishing trips covering several months and many different fishing areas. It nevertheless remained unanimously of the opinion that these difficulties should be overcome by the national offices. The Continuing Working Party recommended that in reporting data not properly allocated by month or fishing area, every effort should be made to footnote such inadequate data until the national statistics-collecting system succeeds in conforming with the specified internationally adopted standards.
- 12.1.4 The Continuing Working Party recommended that all agencies and countries co-operate to improve the statistics collected and published by all national and intergovernmental bodies.

12.2 Pair trawler statistics

- 12.2.1 The Continuing Working Party considered document STANA:5/67/8A, "Report on national procedures for treating factory trawler statistics and related problems (FAO Fisheries Circulars Nos. 163 and 167)" introduced by the Secretary and noted that only certain countries treat, as internationally recommended, each pair trawler operation as a single operation involving two boats but only one gear unit. The Continuing Working Party recommended that this procedure should be followed in internationally published documents.
- 12.2.2 The Continuing Working Party recommended that the notes for the completion of the STANA forms should very clearly lay down the internationally adopted standards and that countries should report the figures accordingly.
- 12.2.3 The Continuing Working Party recommended that ICES and ICNAF publish effort data about pair trawler operations and that their tables follow the internationally recommended standard procedure.

13. REVIEW OF REPORTS ON EFFORT STATISTICS AND NOTES FOR THE
COMPLETION OF THE STANA FORMS

(Agenda Items 8.2, 8.3 and 8.4)

- 13.1 Review of lists of national classes of fishing units used in catch/effort statistics
- 13.1.1 The Continuing Working Party considered documents STANA:5/67/8B, "Lists of national classes of fishing units used in catch/effort statistics" (FAO Fisheries Circular No. 84) and STANA:5/67/8G, "Supplementary report on lists of national classes of fishing units used in catch/effort statistics" (FAO Fisheries Circular No. 165), introduced by the Secretary, and recommended that this material be reviewed by the ICES Statistics Committee, since it was prepared at its request.
- 13.1.2 The Continuing Working Party recommended that ICES, having considered it advisable for national offices to use nationally suitable size classes for craft in reporting catch/effort statistics, should encourage all national offices to use the internationally adopted GRT classes unless it was obvious that they were completely unsuitable for particular unit fisheries.
- 13.1.3 The Continuing Working Party noted that several countries have adopted the standardized GRT classes for reporting their catch/effort data to ICES, and urged all other countries to do likewise unless there were good scientific arguments in favour of retaining a distinct national list of size classes for the fleet on particular local "unit" fisheries.
- 13.2 Review of the notes for the completion of STANA forms with particular reference to the section of the notes dealing with effort measures
- 13.2.1 The Continuing Working Party decided to consider these two sub-items together and reviewed for this purpose documents STANA:5/67/8C, "Report on national definitions of fishing effort measures" (FAO Fisheries Circular No. 83), STANA:5/67/8D, "Notes on the completion of STANA forms" (FAO Fisheries Circulars Nos. 60, 61, 62, 63, 64, 96 and 98) and STANA:5/67/8H, "Supplementary report on national definitions of fishing effort measures" (FAO Fisheries Circular No. 166) presented by the Secretary.
- 13.2.2 The Continuing Working Party noted that additional notes and forms, based on the existing ones, might have to be introduced should the various intergovernmental bodies decide to extend the STANA system to waters south of the present boundaries of the North Atlantic, as defined for statistical purposes.
- 13.2.3 The Continuing Working Party studied the various definitions of effort measures used in national reporting offices where these are deviating from those included in the notes for the completion of the STANA forms. It was felt that some of these national versions could most usefully be compared with the existing ones and that improvements might be made in those already internationally accepted. However, it was recognized that any changes would require approval by ICNAF and ICES before the Secretary of the Continuing Working Party could incorporate the amendments in the Notes.

13.2.4 The Continuing Working Party recommended, as a matter of high priority, that the FAO participants and the Secretary of the Continuing Working Party review the definitions of effort measures and prepare revised drafts; that these should be submitted by the Continuing Working Party Secretary to the 1967 meetings of both ICNAF and ICES for review and adoption.

13.2.5 The Continuing Working Party also considered a detailed statement by the representative for the Federal Republic of Germany on various difficulties experienced in obtaining accurate and adequately comparable effort data at the national and international level.

13.2.6 The Continuing Working Party recommended that all countries should be urged as a matter of vital importance to ensure that all the national statistics collecting systems would produce the data required by national offices to report on the STANA forms all of the following three effort details:

- (a) either { (i) no. of hours or 1000 hooks fished (line 1)
(ii) no. of hauls, drags or sets made (line 2)
- { (b) no. of days fished (line 3)
- (c) no. of days on grounds (line 4)

The effort measures mentioned under (a) should be considered as alternatives, but (a), (b) and (c) should not be treated as alternatives. The national offices should therefore complete on the STANA 1E and 1W forms either lines (1) or (2) and then also both lines (3) and (4).

13.2.7 It was felt that although information on (1) no. of days absent from port and (2) no. of trips made might not be of much importance to biologists, they could be of great importance for economic studies.

13.2.8 The Continuing Working Party decided that the FAO representatives and the Secretary should look at all these questions and re-draft Section 4 of the Notes for both STANA 1E and STANA 1W.

13.2.9 The Continuing Working Party also recommended that the Secretary amend the gear classification to indicate the need to distinguish between (i) demersal pair trawls and (ii) pelagic pair trawls.

14. REVIEW OF PROPOSED STATISTICAL SYSTEMS FOR THE WATERS AJJOINING THE SOUTHERN BOUNDARY OF THE TWO NORTH ATLANTIC STATISTICAL AREAS

(Agenda Item 8.5)

- 14.1 The extension of the use of the STANA system to the south of the border of the present ICES Statistical Area - Northeast Atlantic
- 14.1.1 Considering the urgent need for an extension of the use of the STANA system to the south of the borders of the present ICES Statistical Area (Northeast Atlantic), and being aware of discussions going on as to the organizational framework for the collection of data from the area, the Continuing Working Party found that the time might now have come for the setting-up of technical proposals (covering area and species breakdown etc.) for these waters.
- 14.1.2 It therefore recommended to the Secretariats of the organizations concerned (FAO and ICES) that they should develop the necessary technical proposals as soon as possible. It will then be possible for the organizations concerned and their member countries to decide upon further action to be taken, and upon the organization of the future work.
- 14.2 The extension of the ICNAF Statistical Area to the waters adjoining its southern boundary
- 14.2.1 The Continuing Working Party reviewed document STANA:5/67/8E "Proposals for the collection of statistics for the waters to the south of the ICNAF Convention Area" which contains a report prepared by the Secretary in response to a request made by ICNAF in 1966. It noted that this document also includes various proposals made by the United States authorities.
- 14.2.2 The Continuing Working Party recommended:
- (a) that the Secretary of the Continuing Working Party prepare a new version of the materials contained in document STANA:5/67/8E, "Proposals for the collection of statistics for the waters to the south of the ICNAF Convention Area" to provide a description of the proposals made by the United States in December 1966, and to present this paper to the forthcoming meeting of ICNAF at the end of May 1967,
 - (b) that ICNAF review and accept the proposal made by the United States in December 1966.

15. REVIEW OF THE CONTENTS AND COVERAGE OF THE PROPOSED FAO BULLETIN OF FISHERY STATISTICS DESCRIBING "THE INTER-AGENCY NORTH ATLANTIC PROGRAM IN THE FIELD OF FISHERY STATISTICS"

(Agenda Item 8.6)

- 15.1 The Secretary, in introducing document STANA:5/67/8F, "Outline of contents of the proposed FAO Bulletin of Fishery Statistics describing the 'Inter-agency North Atlantic program in the field of fishery statistics'" (FAO Fisheries Circular No. 164), pointed out that the Chairman of the ICES Statistics Committee, the Secretary-General of ICES and the Secretary of the Continuing Working Party had to prepare a document on the "ICES Statistical Program for the 1960's". During the October 1966 meeting of the ICES Statistics Committee, it was suggested that this paper might be expanded to cover the whole of the North Atlantic by incorporating in detail the instructions for the completion of the STANA 1E, 1W and 2 forms.
- 15.2 The ICES Statistics Committee recommended that the Secretary of the Continuing Working Party prepare a comprehensive survey of the inter-agency system (the so-called "STANA" system) for collecting, processing and publishing fishery statistics on fishing activities in the North Atlantic region. It was recommended that the Secretary of the Continuing Working Party prepare a draft outline of this proposed paper, for review and comment by members of the Continuing Working Party at its Fifth Session.
- 15.3 The Continuing Working Party expressed its satisfaction with this proposed publication and considered that this would be an extremely useful and important document and that it should contain all the details about the North Atlantic system. It was felt by the members that this document would not only be of great use to the countries fishing in the North Atlantic and which are now using the STANA reporting system, but that it could be used also as a document describing the kind of system which could be introduced in other fishing regions of the world.
- 15.4 The Continuing Working Party noted that it was not possible to set a deadline for the completion of this document but it hoped that it would be possible for FAO to proceed with its preparation without delay. The Secretary reported that it would be first issued by FAO as a Fisheries Circular for circulation for comments to all the countries now fishing in the North Atlantic, and to all the international agencies concerned. The revised version would then be issued by FAO either as a Bulletin of Fishery Statistics or in the FAO "Fisheries Reports" series.
- 15.5 The Continuing Working Party also recommended that the members of the Continuing Working Party should obtain comments on the contents of this document (as given in STANA:5/67/8F, "Outline of contents of the proposed FAO Bulletin of Fishery Statistics describing the 'Inter-agency North Atlantic program in the field of fishery statistics'" (FAO Fisheries Circular No. 164) and that these suggestions should be communicated to the Secretary to take into account when he prepares the first draft.

16. FUTURE PROGRAM FOR THE CONTINUING WORKING PARTY ON FISHERY
STATISTICS IN THE NORTH ATLANTIC AREA

(Agenda Items 9.1, 9.2, 9.3, 9.4)

- 16.1 The Continuing Working Party reviewed its terms of reference, statutes and rules of procedure with respect to its future activities in the field of fishery statistics in the North Atlantic. It endorsed the ICNAF recommendation of 1963 to the effect that the Continuing Working Party could most effectively co-ordinate the statistical activities of ICNAF and ICES at present if it devoted most of its attention to problems arising in the fisheries of the North Atlantic and that, pursuant to that end, the present representation of ICNAF, ICES and FAO should remain unchanged. At the same time, it recognized the growing importance of fishing activities in other areas, particularly in the Atlantic south of 35°/36° north latitude, in view of the rapidly changing pattern of fishing and the increasing mobility of fishing fleets. However, on the understanding that FAO will initiate action to extend the STANA statistical system to fishing areas outside the North Atlantic, in cooperation with other fishery bodies, the Continuing Working Party should continue to concentrate its activities for the time being on the many statistical problems continually arising in the North Atlantic.
- 16.2 The Continuing Working Party recognized that until now its statistical work had been confined mainly to catch and effort statistics, and that reasonable success had been attained in developing standard approaches to the collection and presentation of such statistics. In fact the STANA system developed by the Continuing Working Party constitutes a model which has valuable application in other fishing areas, particularly in under-developed or developing fishing countries. At the same time, the Continuing Working Party stressed the need for ascribing greater importance to the improvement of the quality of catch and effort statistics. It also emphasized the desirability of initiating action for the development and improvement of other statistics, e.g. products, prices, fishing fleets, etc., such as contained in its terms of reference drafted at the Expert Meeting on Fishery Statistics in the North Atlantic Area, Edinburgh, 1959, and at the First Session of the Continuing Working Party (1960).
- 16.3 The Continuing Working Party confirmed that the participation of national representatives was of great value to its work. However, it considered that the original purpose of the national membership had been served - namely to act as guinea pigs for the introduction of the STANA system - and that there would now be advantages in having a wider range of countries taking part in the Continuing Working Party's Program of Work.
- 16.4 The Continuing Working Party recommended for consideration by FAO, ICES and ICNAF at their 1967 meetings:
- (a) that ICNAF, ICES and FAO should continue to be represented in the Continuing Working Party by two members and that observers from other interested agencies, e.g. the Organization for Economic Co-operation and Development and the Statistical Office of the European Communities, continue to be invited to attend the Continuing Working Party's sessions as in the past;

16.4 (concluded)

- (b) that the number of national representatives in the Continuing Working Party should stay the same, i.e. a total of four, but that beginning in 1967 and each year thereafter, ICNAF and ICES should each nominate one country for membership for a period of two years; that for this purpose Canada and the Federal Republic of Germany could be considered to have been nominated by ICNAF, and the United Kingdom and Iceland by ICES, when the Continuing Working Party was established in 1960, and one of each pair of members could be replaced or renominated at the 1967 meetings of ICNAF and ICES;
- (c) that as far as possible the national representatives should be chosen so as to cover between them all the fields of interest of the Continuing Working Party - administration, biology, economics, technology, etc.;
- (d) that the terms of reference remain the same, although the desirability of a review at the Sixth Session would possibly arise;
- (e) that the name of the Continuing Working Party on Fishery Statistics in the North Atlantic Area be changed to Co-ordinating Working Party on Fishery Statistics in the North Atlantic, and that this body be established on an inter-agency basis;
- (f) that the Continuing Working Party hold its next (sixth) session towards the middle of 1968, in Reykjavik, Iceland, at a date to be decided later.

Appendix I

AGENDA

1. ADOPTION OF AGENDA AND RELATED PROCEDURAL MATTERS
 - 1.1 Adoption of draft agenda item 1 - procedural matters
 - 1.2 Address of welcome
 - 1.3 Presentation of list of members of the Continuing Working Party
 - 1.4 Election of Chairman
 - 1.5 Election of Vice-Chairman
 - 1.6 Confirmation of co-opted members and of observers
 - 1.7 Adoption of items 2 through 11 of draft agenda
 - 1.8 Review and adoption of schedule of work and appointment of rapporteurs

2. REVIEW OF THE ICNAF, ICES, SOEC, OECD AND FAO PROGRAMS IN THE FIELDS OF FISHERY STATISTICS, 1965-68
 - 2.1 The fishery statistical program of ICNAF
 - 2.2 The fishery statistical program of ICES
 - 2.3 The fishery statistical program of the Statistical Office of the European Communities (SOEC)
 - 2.4 The fishery statistical program of OECD
 - 2.5 The fishery statistical program of FAO

3. REVIEW OF THE FISHERY STATISTICAL PUBLICATIONS OF ICNAF, ICES, SOEC, OECD and FAO
 - 3.1 ICNAF: "Statistical Bulletin"
 - 3.2 ICES: "Bulletin Statistique des Pêches Maritimes" and "Fisheries News Letters"
 - 3.3 SOEC: "Statistique Agricole"
 - 3.4 OECD: Various studies
 - 3.5 FAO: "Yearbook of Fishery Statistics" and "Bulletin of Fishery Statistics"
 - 3.6 Suggestions for standardizing abbreviations, tabular symbols and terminology in table headings

4. LISTS OF NAMES OF NORTH ATLANTIC SPECIES
 - 4.1 ICNAF: List of species with names and scientific names used in the "Statistical Bulletin"
 - 4.2 ICES: "ICES List of Names of Fish and Shellfish"
 - 4.3 OECD: "Multilingual Nomenclature of Fish and Fishery Products"
 - 4.4 FAO: "North Atlantic Species Names"
 - 4.5 Improvements to be made to the proposed FAO "Bulletin of Fishery Statistics", subtitled "North Atlantic Species Names"

5. QUANTITY CONVERSION FACTORS

- 5.1 Review of existing documents presenting quantity conversion factors
- 5.2 Proposals for joint inter-agency action to improve the determination, collection and publication of fishery conversion factors

6. STANDARD CLASSIFICATION AND CODIFICATION FOR AUTOMATIC DATA PROCESSING PURPOSES

- 6.1 Classification and codification of countries
- 6.2 Classification and codification of species and species groups
- 6.3 Classification and codification of fishing areas
- 6.4 Steps to be taken to extend inter-agency automatic data processing programs

7. FISHING FLEET STATISTICS AND THE ESTABLISHMENT OF INTERNATIONAL REGISTERS OF FISHING CRAFT

- 7.1 Review of national publications presenting national lists or registers of fishing craft
- 7.2 Review of publicly or privately published international or regional registers of fishing craft
- 7.3 Review of the ICNAF list of vessels over 50 gross tons fishing in the ICNAF Convention Area
- 7.4 Review of the ICES proforma for the collection of data on fishing vessels
- 7.5 Review of lists of national classes of fishing units used in catch/effort statistics
- 7.6 Determination of fishing craft characteristics to be recorded in an international list or register
- 7.7 The use of automatic data processing facilities for the collection and reproduction of craft data in an international register of fishing craft for the world as a whole, or specifically for the North Atlantic

8. FURTHER REFINEMENT AND STANDARDIZATION OF INTER-AGENCY REPORTING SYSTEMS FOR THE NORTH ATLANTIC

- 8.1 Review of national procedures for treating factory trawler statistics and related problems
- 8.2 Review of lists of national classes of fishing units used in catch/effort statistics
- 8.3 Review of report on national definitions of fishing effort measures
- 8.4 Review of notes for the completion of the STANA 2, 1E and 1W forms
- 8.5 Review of proposed statistical systems for the waters adjoining the southern boundary of the two North Atlantic Statistical Areas
- 8.6 Review of the contents and coverage of the proposed FAO "Bulletin of Fishery Statistics" describing the inter-agency North Atlantic program in the field of fishery statistics

9. FUTURE PROGRAM FOR THE CONTINUING WORKING PARTY ON FISHERY STATISTICS IN THE NORTH ATLANTIC AREA
 - 9.1 Constitution of membership of the Continuing Working Party and participation in its future meetings
 - 9.2 Future terms of reference
 - 9.3 Existing statutes and rules of procedure and amendments
 - 9.4 Date, place and subject matter of the Sixth Session of the Continuing Working Party

10. PUBLICATION AND DISTRIBUTION OF REPORT OF THE FIFTH SESSION OF THE CONTINUING WORKING PARTY
 - 10.1 Publication of Report of the Fifth Session of the Continuing Working Party
 - 10.2 Distribution of Report of the Fifth Session of the Continuing Working Party

11. OTHER MATTERS

Appendix II

LIST OF MEMBERS, ADDITIONAL MEMBERS, OBSERVERS, ETC.

Member for Canada

Mr. A. Proulx
Chief, Statistics Branch
Economics Service
Department of Fisheries
Sir Tupper Building
OTTAWA, Canada

Member and Additional (co-opted) Member for the Federal Republic of Germany

Dr. H. Völkl
Regierungslandwirtschaftsrat, Abteilung VI
Bundesministerium für Ernährung Landwirtschaft und Forsten
Euskirchenerstrasse
53 BONN/A/RHEIN, Federal Republic of Germany

Dr. A. Meyer
Institut für Seefischerei
Bundesforschungsanstalt für Fischerei
Palmaille 9
2 HAMBURG-ALTONA 1, Federal Republic of Germany

Member for Iceland

Mr. M. Elísson
Deputy Director of Fisheries
Fiskifélag Islands
P.O. Box 20
REYKJAVIK, Iceland

Member and Additional (co-opted) Member for the United Kingdom

Mr. L. B. Linley
Higher Executive Officer
Ministry of Agriculture, Fisheries and Food
Whitehall Place (East)
LONDON. S.W.1, England

Mr. A. Bishop
Higher Executive Officer
Department of Agriculture and Fisheries for Scotland
St. Andrew's House
EDINBURGH 1, Scotland

Member and Additional (co-opted) Members for FAO

Mr. W. F. Doucet

Chief, Fishery Statistics and Economic Data Branch
Fishery Economics and Products Division
Department of Fisheries
Food and Agriculture Organization of the United Nations
ROME, Italy

Mr. J. Gulland

Chief, Fish Stock Evaluation Branch
Fishery Resources and Exploitation Division
Department of Fisheries
Food and Agriculture Organization of the United Nations
ROME, Italy

Mr. N. Fujinami

Naval Architect, Fishing Vessel Section
Fishery Resources and Exploitation Division
Department of Fisheries
Food and Agriculture Organization of the United Nations
ROME, Italy

Member and Additional (co-opted) Member for ICES

Mr. H. Tambs-Lyche

Secretary-General
International Council for the Exploration of the Sea
Charlottenlund Slot
CHARLOTTEENLUND, Denmark

Mr. B. B. Parrish

Chairman, ICES Statistics Committee
Marine Laboratory
P.O. Box 101
Victoria Road, Torry
ABERDEEN, Scotland

Member and Additional (co-opted) Member for ICNAF

Mr. L. R. Day

Executive Secretary
International Commission for the Northwest Atlantic Fisheries
c/o Bedford Institute of Oceanography
P.O. Box 638
DARTMOUTH, Nova Scotia, Canada

* *Dr. F. D. McCracken*

Chairman, ICNAF Subcommittee on Statistics and Sampling
Biological Station
Fisheries Research Board of Canada
ST. ANDREWS, New Brunswick, Canada

* Unable to attend meetings of the Fifth Session.

Observer for the OECD and co-opted Member

Mr. P. Adam
Head of the Fisheries Division
Agriculture Directorate
Organization for Economic Co-operation and Development
2 Rue André-Pascal
PARIS (16e), France

Observer for the SOEC and co-opted Member

Mr. S. L. Louwes
Chief of Division, Directorate of Agriculture Statistics
Statistical Office of the European Communities
170 Rue de la Loi
BRUSSELS 4, Belgium

Secretary

Mr. L.P.D. Gertenbach
Chief, Current Statistics and Economic Data Section
Fishery Statistics and Economic Data Branch
Fishery Economics and Products Division
Department of Fisheries
Food and Agriculture Organization of the United Nations
ROME, Italy

Appendix III

LIST OF DOCUMENTS

(Arranged According to Agenda Items)

STANA:5/67/.. a/

General

- .../OA Advance information for participants
- .../OB General information for participants

Agenda Item 1 (Documents also to be used for Agenda Items 9 and 10)

- .../1A Draft agenda and schedule of work
- .../1B Provisional list of documents
- .../1C Provisional list of participants
- .../1D Statutes and rules of procedure (FAO Fisheries Circular No. 94)

Agenda Item 2

- .../2A Report on the fishery statistical program of ICNAF, 1965-1968
- .../2B Report on the fishery statistical program of ICES, 1965-1968
- .../2C Report on the fishery statistical program of the Statistical Office of the European Communities, 1965-1968
- .../2D Report on the fishery statistical program of OECD, 1965-1968
- .../2E Report on the fishery statistical program of FAO, 1965-1968 (FAO Fisheries Circulars Nos. 150 and 169)
- .../2F 1965 and 1966 Reports of the ICNAF Subcommittee on Statistics and Sampling (Standing Committee on Research and Statistics)
- .../2G 1965 and 1966 Reports of the ICES Statistical Committee

a/ All documents for the Fifth Session of the Continuing Working Party on Fishery Statistics in the North Atlantic Area are identified by the code "STANA:5/67/..".

Agenda Item 3

- .../3A ICNAF: Statistical Bulletin, Vol. 14 (for 1964)
- .../3B ICES: Bulletin Statistique des Pêches Maritimes, Vol. 49 (for 1964)
- .../3C Statistical Office of the European Communities: Statistique Agricole, Vol. 1965 - No. 6, "Statistique de pêche: Bilans d'approvisionnement, débarquements, prix, membres d'équipage, flotte"
- .../3D FAO: Yearbook of Fishery Statistics, Vol. 20, "Catches and landings, 1965"
- .../3E FAO: Yearbook of Fishery Statistics, Vol. 21, "Fishery commodities, 1965"
- .../3F FAO: Bulletin of Fishery Statistics, No. 12, "Catches in the North Atlantic, 1965"
- .../3G Notes on the standardization of abbreviations, tabular symbols and terminology in fishery statistical publications (FAO Fisheries Circular No. 151)
- .../3H ICNAF: Statistical Bulletin, Vol. 15 (for 1965)

Agenda Item 4

- .../4A ICES List of Names of Fish and Shellfish and Chart of ICES and ICNAF Fishing Areas
- .../4B OECD Draft Multilingual Dictionary of Fish and Fish Products
- .../4C Draft version of FAO Bulletin of Fishery Statistics subtitled "North Atlantic species names" (FAO Fisheries Circular No. 99)

Agenda Item 5

- .../5A Notes on United States statistical procedures involving the use of conversion factors (FAO Fisheries Circulars Nos. 152, 153, 154, 155 and 156)
- .../5B Conversion factors used by countries reporting data on STANA forms (FAO Fisheries Circular No. 157)
- .../5C Conversion factors used by the EEC countries reporting fishery statistical data to the Statistical Office of the European Communities (FAO Fisheries Circular No. 158)
- .../5D Disposition of the United States catch (FAO Fisheries Circular No. 172)
- .../5E United States pack of tuna from domestic and imported fish (FAO Fisheries Circular No. 173)

Agenda Item 6

- .../6A Classification and codification of countries (FAO Fisheries Circulars Nos. 88 and 89)
- .../6B Classification and codification of species and species groups (FAO Fisheries Circulars Nos. 159 and 168)
- .../6C Classification and codification of fishing areas (FAO Fisheries Circular No. 160)

Agenda Item 7

- .../7A ICNAF List of vessels over 50 gross tons fishing in the ICNAF Convention Area
- .../7B Notes on the ICNAF and ICES forms for collecting data on lists of vessels (FAO Fisheries Circulars Nos. 78 and 90)
- .../7C Report on Meeting of Experts on Fishing Vessel Statistics, Paris, 8-10 March 1967.

Agenda Item 8

- .../8A Report on national procedures for treating factory trawler statistics and related problems (FAO Fisheries Circulars Nos. 163 and 167)
- .../8B Lists of national classes of fishing units used in catch/effort statistics (FAO Fisheries Circular No. 84)
- .../8C Report on national definitions of fishing effort measures (FAO Fisheries Circular No. 83)
- .../8D Notes on the completion of STANA forms (FAO Fisheries Circulars Nos. 60, 61, 62, 63, 64, 96 and 98)
- .../8E Proposals for the collection of statistics for the waters to the south of the ICNAF Convention Area
- .../8F Outline of contents of the proposed FAO Bulletin of Fishery Statistics describing the "Inter-agency North Atlantic program in the field of fishery statistics" (FAO Fisheries Circular No. 164)
- .../8G Supplementary report on lists of national classes of fishing units used in catch/effort statistics (FAO Fisheries Circular No. 165)
- .../8H Supplementary report on national definitions of fishing effort measures (FAO Fisheries Circular No. 166)
- .../8I Statistical problems in waters south of ICES Statistical Area (North)