

ANNUAL MEETING - JUNE 1959List of Papers Pertaining to the Northwest Atlantic

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Item 4 of the Report of the Ad hoc Subcommittee on Publications, App. XII to the Report of the Standing Committee on Research and Statistics, Annual Meeting, 1958, reads:

"ICNAF should make use of the FAO bibliographic service. The Secretariat should select out from the FAO bibliography a list of papers pertaining to the Northwest Atlantic, adding other papers which may not have been included. This list should be prepared as a document for the 1959 meeting when it can be reviewed and considered for publication in the Proceedings."

Following this request the attached list of papers has been prepared by the Secretariat.

As a list of this kind obviously will have to be prepared annually - if the Commission should decide to have it prepared - I have restricted the present list to include only papers which have been published in the calendar year 1958.

In preparing the list the FAO "Current Bibliography for Fisheries Science" nos. 1-10 have been consulted, and use has been made of papers forwarded to the Secretariat by the member countries.

The great problem in preparing a list of this kind is of course what papers to be included under the term "pertaining to the Northwest Atlantic". The ad hoc subcommittee has not in its report made any attempt of a definition. If further such lists are to be prepared it is suggested that a closer definition of the said term is agreed to.

In preparing the list I have considered as "pertinent":

1. Papers dealing with investigations in the Convention Area on food fishes or food invertebrates with which ICNAF is concerned or may naturally be concerned.
2. Papers dealing with environmental studies (hydrography, plankton, bottom invertebrates) in the Convention Area.
3. Papers similar to those of items 1 and 2 but concerning investigations carried out outside the Convention Area, provided their methods or results can be applied to the ICNAF area.
4. Papers on technical problems related to the fisheries of the Convention Area.
  - a. on fisheries statistics (monthly or annual papers merely with statistical data not included).
  - b. on mesh and other gear studies.
  - c. on fisheries techniques.
  - d. on treatment of fish after capture.

It is without doubt that a choice of papers to be made based on the above definitions must to a high degree be subjected to a personal, and even a "temporal" bias.

The following list can in no way be considered complete on account partly of the above-mentioned bias and partly of the fact that a number of papers - mainly from the latter part of 1958 may have escaped notice.

The papers in the attached list are arranged by countries in order to facilitate the revision of the list by the scientists from the various countries. A final list will of course have to be arranged according to subjects. It is suggested that the subcommittee to revise the list consider the basis for an arrangement by subjects.

A number of the titles in the attached list are only given in an abbreviated form.

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List of Papers Pertaining to the Northwest Atlantic

CANADA:

- Anon. Biological Station, St. John's, Nfld. Ann. Report, Fish. Res. Bd. Canada, 1957/58.
- Anon. Biological Station, St. Andrews, N.B. Ann. Report, Fish. Res. Bd. Canada, 1957/58.
- Anon. Arctic Unit, Montreal, Que. Ann. Report, Fish. Res. Bd. Canada, 1957/58.
- Anon. Oceanography, AOG, St. Andrews, N.B. Ann. Report, Fish. Res. Bd. Canada, 1957/58.
- Anon. Technological Station, Halifax, N.S. Ann. Report, Fish. Res. Bd. Canada, 1957/58.
- Anon. Technological Station, Grande Rivière, Que. Ann. Report Fish. Res. Bd. Canada, 1957/58.
- Anon. Technological Unit, St. John's, Nfld. Ann. Report, Fish. Res. Bd. Canada, 1957/58.
- Anon. Exp. Fish Proc. Lab., Valleyfield, Nfld. Ann. Report, Fish. Res. Bd. Canada, 1957/58.
- Anon. Fisheries Council of Canada, Ann. Rev. 13th Ann. Meet. 1958.
- Bell and Pruter. Climatic temperature changes and com. yields of some mar. fisheries. J. Fish. Res. Bd. Canada 15,4. 1958.
- Bergeron, J. Pêche expérimental au Poisson rouge. Actualités mar. 2(1). 1958.
- Boulanger, J.M. Le facteur temp. et les pêcheries du Bas-Saguenay. Actualités mar. 2(1). 1958.
- DeLury, D.B. The estimation of pop. size by a marking and recapture procedure; J. Fish. Res. Bd. Canada, 15(1). 1958.
- Dickie, L.M. Recent trends in the scallop fishery of E. Canada; Prog. Rept. Atl. Coast Stations, No. 70. 1958.
- Dunbar, M.J. Phys. oc. res. of the Calanus expeditions in the Ungava Bay, etc.; J. Fish. Res. Bd. Canada, 15. 1958.
- Fleming, A.M. The comm. longlining experiment, St. Anthony, Nfld.; Prog. Rept. Atl. Coast Stations, No. 68. 1958.
- Campbell, N.J. Recent oceanographic activities of the Atlantic Oceanographic Group in the eastern Arctic. Prog. Rept. Atl. Sta. 69. 1958.
- McKenzie and Tibbo. Herring tagging in the Bay of Fundy. Prog. Rept. Atl. Stations. No. 70. 1958.
- McLaren, J.A. The biology of the ringed seal in E. Canada; Arctic Fish. Res. Bd. Canada, Bull. No. 118. 1958.
- McLellan, H.J. Energy consideration in the Bay of Fundy System. J. Fish. Res. Bd. Canada 15,2. 1958.
- Martin and Jean. 1st year effects of mesh regulation on northern N.B. dragger fishery. Prog. Rept. Atl. Coast Stations, 69. 1958.
- Medcalf, J.C. Useful publication for oyster farmers, etc.; Fish. Res. Bd. Canada, G.S. Circular 32, 1958.
- Paloheimo, J.E. A method of estimating natural and fishing mortalities; J. Fish. Res. Bd. Canada, 15,4, 1958.
- Paloheimo, J.E. Determination of natural and fishing mortalities of cod and haddock, etc.; J. Fish. Res. Bd. Canada, 15,6, 1958.
- Pitt, T.K. Age and growth of the capelin, etc.; J. Fish. Res. Bd. Canada, 15,3, 1958.
- Pitt, T.K. Distribution, spawning and racial studies of the capelin, etc.; J. Fish. Res. Bd. Canada, 15, 3, 1958.
- Ricker, W.E. Maximum sustained yields from fluctuating environments and mixed stocks; J. Fish. Res. Bd. Canada, 15, 5, 1958.
- Ronald, K. The metazoan parasites of the Heterosomata etc. III and IV; Can. J. Res. (Zool.), 36. 1958.
- Scott and Fisher. Incidence of the ascarid Porrocoecum etc.; J. Fish. Res. Bd. Canada, 15. 1958.
- Scott and Fisher. Incidence of a parasitic ascarid Porrocoecum etc.; J. Fish. Res. Bd. Canada, 15. 1958.
- Templeman, W. How cod spawn, etc.; Prog. Rept. Atl. Stations, 68, 1958.
- Templeman, W. Grand Bank tagged dogfish moves to Iceland; Prog. Rept. Atl. Stations, 70. 1958.

CANADA (continued):

- Templeman, W. Distribution of the inshore catch of cod in Nfld. etc.; Prog. Rept. Atl. Stations, 70. 1958.  
 Templeman and Fleming. Round haddock landings in Nfld. etc.; J. Fish. Res. Bd. Canada, 15. 1958.  
 Templeman and Hodder. Var. with fish length, sex, stage of sexual maturity, etc.; J. Fish. Res. Bd. Canada, 15. 1958.  
 Trites and Banks. Circulation on the Scotian shelf etc.; J. Fish. Res. Bd. Canada, 15 (1). 1958.  
 Wilder and Murray. Do lobsters move offshore etc.?; Prog. Rept. Atl. Stations, 69. 1958.

DENMARK:

- Hansen, Paul M. Fiskeribiologiske undersøgelser i 1957. Ber. v. Grønland, no. 1. 1958.  
 Nielsen, E. Steemann. The balance between phytoplankton and zooplankton in the sea. J. Cons. Int. Explor. Mer. 23:178-88. 1958.

FRANCE:

- Lénier, R. Regards sur la pêche future. France pêche, 3(21). 1958.  
 Teissier, G. Formes locales et biométrie. Un. Int. Sci. biol., Ser. B 24. 1958.  
 Toudouze, G.G. Eaux territoriales, plateau continental et avenir de la pêche. France pêche 3(18) 1958.

GERMANY:

- Bohl. Reise des FFS. "Anton Dohrn" v. 4.8 bis 27.9 1958 (Nördl. Ozean). Wiss. Inst. für die Fischereipraxis 5.5. 1958.  
 Bückmann, A. Forschungsfahrt des FFS "Anton Dohrn" in das Gebiet Island-Grønland. Allg. Fischwirtsch. Ztg. 10(21). 1958.  
 Dehl, E. Wie beseitigen wir die Gefahr einer Überfischung der südlichen Nordsee. Allg. Fischwirtsch. Ztg. 10(16). 1958.  
 Krauss, W. Die hydr. Unters. mit "Anton Dohrn" auf dem Ost-und Westgrønlandischen Schelf im Sept.-Okt., 1955. Ber Deutsch. Wiss. Kom. f. Meeresf. N.F. XV, 2. 1958.  
 Krauss, W. Neue hydr. Unters. mit "Anton Dohrn" in der Island See. Deutsche hydr. Z. 11(1). 1958.  
 Meyer, A. Rotbarschsterben im Gebiet der "Anton Dohrn" Bank. Wiss. Inform. f. die Fischereipraxis 5,5. 1958.

ICELAND:

- Hallgrímsson, J. A short-cut method for estimating zoo-plankton composition while at sea. Rit. Fiskid. 2(6), 1958.  
 Jakobsson, J. A study of the plankton-herring relationship off the SW-coast of Iceland. Rit. Fiskid., 2(5), 1958.  
 Jónsson, Jón. Gengur íslenski thorskurinn til Austur-Grønlands? Aegir, 51, 2. 1958.

NORWAY:

- Carlson, L. Håkjerringa og hækjerringfisket. Fiskeridir. Skr. Fiskeri. 4(1), 1958.  
 Friis, Knut. Oversigt over den norske fiskeristatistikken. Fiskets Gang, 29, 1958.

PORTUGAL:

- Anon. Pescarias e cooperação internacional. Bol. da Pesca, XI, 60. Lisbon, 1958.
- Botelho, A.T. Influência da temperatura e da armazenagem nas modificações físico-químicas do bacalhau salgado. Bol. da Pesca. XI, 58. Lisbon, 1958.
- Botelho, A.T. Aspectos tecnológicos da preparação de bacalhau desde a captura à secagem. Bol. da Pesca. XI, 59-60. Lisbon, 1958.
- Ruivo, M. Contribuição para o estudo das relações entre os comprimentos do Bacalhau inteiro, escalado e verde, pescado na Terranova. Bol. da Pesca XI, 55. Lisbon 1958.

SPAIN:

- Arocena, A.A. La fosfatation del hierro y su acción anticorrosiva frente al medio marino. Inst. Esp. de Oceanogr. no. 24. Madrid. 1958.

UNITED KINGDOM:

- Anon. Fish. yearbook directory, Dictionary of fish names. 1958.
- Blaxter, J.H.S. and F.G.T. Holliday. Factors influencing the feeding behaviour of herring. Proc. Royal Soc. Edinburgh, 27. 1958.
- Beverton, R.J.H. Types of fishery regulation and some economic implications. Tech. Meeting on Costs and Earnings of Fishing Enterp. 8-13 Sept. London. 1958.
- Fraser, J.H. The food supplies of the fish. Proc. Nutr. Soc. 17, 127, Great Britain. 1958.
- Lucas, C.E. External metabolites in the sea. Papers in Mar. Biol. and Oceanography. Pergamon Press. London.
- Hill, H.W. and Lee, A.J. The effect of wind on water transport in the region of the Bear Island fishery. Proc. Roy. Soc.. 1958.
- Jones, R. Fluctuations in the North Sea haddock stocks. Scot. Fish. Bull. 1958.
- Kabata, Z. *Lernaeocera obtusa* n. sp., its biology and its effects on the haddock. Mar. Res. 1958.
- Mason, James. The breeding of the Scallop, *Pecten maximus* (L) in Manx waters. J. Mar. Biol. Assoc. U.K. 37. 1958.
- McIntyre, A.D. Tagging halibut. Scot. Fish. Bull. 1958.
- Perkins, E.J. Food relationships of the microbenthos. Ann. and Mag. of Nat. Hist. Ser. 13, I. 1958.
- Solomon, M.E. Meaning of density-dependence and related terms in population dynamics. Nature, London. 1958.
- Stommel, H. The abyssal circulation. Deep-Sea Research, 1958.
- Thomas, H.J. Observations on the increase in size at moulting in the lobster (*Homarus vulgaris* M.-Edw.). J. Mar. Biol. Assoc. U.K. 37. 1958.
- Plus the following from International publications:
- Corlett, J. Plankton in the western Barents Sea and the year-class strength of the Arcto-Norwegian cod. J. Cons. Int. Explor. Mer. 1958.
- Marshall, P.T. Primary production in the Arctic. J. Cons. Int. Explor. Mer. 1958.
- Saville, A. Mesh selection in plankton nets. J. Cons. Int. Explor. Mer. 1958.
- Thomas, H.J. Some seasonal variations in the catch and stock composition of the lobster. J. Cons. Int. Explor. Mer. XXIV, 1. 1958.
- Trout, G.C. Results of English cod tagging in the Barents Sea. J. Cons. Int. Explor. Mer. 1958.

UNITED STATES:

- Anon. Important Fisheries of the Atlantic Coast. A supplement to the Sixteenth Annual Report of the Atlantic States Marine Fisheries Commission, 22 West First St., Mount Vernon, N.Y., September 1958.
- Anon. Regulation and investigation of the Pacific halibut fishery in 1957. Rep. IPHC 26, 1958.
- Anon. The Conservation Foundation. Annual Report for the year 1957. New York, 1958.
- Anon. Atlantic States Marine Fisheries Commission. Important fisheries of the Atlantic coast. Rep. Atl. St. Mar. Fish. Comm., 1958.
- Ahlstrøm, E.H. and al. High-speed plankton sampler. Fish. Bull. U.S. 1958.
- Bailey, W.B. On the dominant flow in the strait of Belle Isle. Trans. Amer. Geophys. Un. 1958.
- Bary, B.M. A closing, high-speed plankton catcher for use in vertical and horizontal towing. 1958.
- Bumpus, F.D. Inv. of climate and oceanographic factors influencing the environment of fish. Woods Hole Oc. Inst. WHOI, 1958.
- Edwards, R.L. and Lux, F.E. New England's industrial fishery. Comm. Fish. Rev. 1958.
- Idyll, C.P. Contribution of biology and oceanography to increased harvest of marine fish. Trans. Ann. Fish. Soc. 87. 1958.
- Sinderman, C.J. An epizootic in Gulf of St. Lawrence fish. Trans. N. Amer. Wildlife Conf. 23. 1958.
- Skellam, J.G. The mathematical foundations underlying the use of line transects in animal ecology. Biometrics. 1958.
- Slobodkin, L.B. Meta-models in theoretical ecology. Ecology. 1958.
- Smith, F.W.W. Sustenance from the sea. Energy Res. Conf. Denver, Colorado. 1958.
- Taylor, C.C. Natural mortality rate of the Georges Bank haddock. Fish. Bull., U.S. 1958.
- Wise, J.P. Cod and hydrography - a review. Fish and Wildlife Service, Woods Hole. Sp. Sc. Rep. F. no. 245. 1958.

International:

- Taylor, Clyde C. Cod growth and temperature. J. du Conseil XXIII, 3. ICES 1958.
- Wise, J.P. The world's southernmost indigenous cod. J. Cons. Int. Explor. Mer., 1958.

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