

INTERNATIONAL COMMISSION FOR



Serial No. 2243
/B.g.14/

RESTRICTED

THE NORTHWEST ATLANTIC FISHERIES

ICES/ICNAF Salmon Doc.69/15
/also ICNAF Res.Doc.69/78/

ANNUAL MEETING - JUNE 1969

Research Programmes for Greenland and in Home waters
for England and Wales, 1969.

by

M.A.F.F., London

(a) Population genetics

1. Electrophoretic analysis of serum proteins and eye-lens proteins collected on a large scale from English, Welsh and Scottish salmon stocks will be undertaken this year.

Also, it is hoped to arrange visits to Iceland and Norway to collect material for these studies from salmon stocks of those countries.

2. Some eye-lens material from Canada will, it is hoped, also be available for analysis.
3. Serum protein and eye-lens material from Godthaab will also be available from the netting experiments to be conducted there.
4. Studies on the reliability of analyses of serum proteins and eye-lens proteins at various times after the death of the fish will be made, to establish whether fresh-landed catches or deep-frozen fish can be used for identification purposes, or whether samples need to be taken immediately after death.

(b) Greenland research

A research worker from the Ministry's Salmon and Freshwater Fisheries Laboratory will carry out a programme of experiments from the Godthaab Laboratory, using the research ship Tornak. The objectives are to catch salmon in gill-nets for tagging but to retain tagged and control fish in an impoundment before release in order to obtain information on netting and tagging mortalities. This information will throw light on the likely mortality rate of gill-net tagged fish in previous years.

- (c) Investigations in home rivers. Again, a number of River Authorities will be releasing tagged salmon smolts and kelts in English and Welsh rivers. The Ministry's research station on the River Axe, Devon, will continue the census of ascending fish and descending smolts and kelts will be tagged.

Further investigation of the proportions of grilse and other year-classes in the national catch will be made and catch-effort studies continued.