$\frac{\text { ICES/ICNAF Salmon Doc. } 69 / 4}{\text { (also ICNAF Res.Doc.69/42) }}$
(B.g.14)

ANNUAL MEETING - JUNE 1969<br>Results of the Examination of Scale Samples<br>from Salmon taken of Faroe, 1968

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This brief report records the results of the examination of scale samples from 84 salmon, part of a total of 182 salmon taken by longline off the Faroe Isiands by the 'Jens Chr. Svabo' during an experimental salmon fishing cruise between 8 th and 23rd April 1968. We are indebted to Dr. J. S. Joensen of Fiskirannsoknarstovan, Torshavn for providing us with the opportunity to examine this material.

Table 1 gives the numerical and percentage age composition of the sample. Four fish could not be assigned to a particular smolt age class because of damage to the centres of the scales but have been included, in a separate category, beoause their sea age could be identified.

The length at the end of each winter of life was calculated for all maiden fish except those whose scales had danaged centres. In some cases only the total length of the fish was recorded and for these fish the fork length was calculated on the basis of the accepted relationship between these two parameters and checked against the values for fish of the same size in the present sample, for which both leagths had been recorded.

Table 2 gives complete details of average calculated lengths for each age class of maiden fish and the average observed length, average length attained at the ond of each sea winter and average plus growth for maiden fish which had spent one or two winters in the soa. All but one naiden fish, the largest (observed length $86 \mathrm{~cm}, i$ showed at least some oridence of ourrent yoar's growth (plus growth) on their scales, the values for individual fish varying from a trace to 7.5 cm .

The six previous spawners not included in Table 2 averaged 70.9 cm . in length. All had spawned only onoe (during the winter of $1967 / 68$ ), three as erilse, one after two rinters in the sea, one as a summer fish after $2+$ years in the sea and one after three winters in the sea. The age classification and average lengths of the se six fish were as follows:


Beoause of the smali size of the sample it is perhaps unwise to speculate on the origins or subsequent movements of these fish (had they not been caught) but it is perhaps worth noting that the percentage distribution of smolt ages is muoh oloser to that reported for fish caught at ees (ICE'S/ICNAF Salmon Document 69/2) than 69/3).


