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THE SIZE-COMPOSITION OF SALMON LANDED DURING THE AUTUMN 1969 IN FISKENÆSSET,
DIV. 1D, WEST GREENLAND

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The material used for this paper is based on information from Godthåb Fiskeindustri.

The reason for using the material from Fiskenæsset is, that all the salmon were caught in gill-nets in inshore waters.

All measurements apply to round, fresh fish, and the factor used for converting gutted fish with head on is 1.11.

The material consists of 54,368 salmon with a total weight of 166,870 kilos.

Table 1 and Figure 1 show the changes in the relation between size-groups during the period August-November.

Figure 2 compares the relation between size-groups from 1966, 67 and 69. The average size of salmon in 1969 is smaller than the average size in 1967, but bigger than that in 1966.

Table 2 and Figure 3 show the increase of the average weight of salmon during the period August-November. Provided migrations do not significantly influence the size-composition of the stock in the area here fished the increase in average weight during the period can be taken as a measure for the mean growth rate of salmon in that stock. The information about the migration of salmon along West Greenland is very limited. The results from the tagging experiments in Greenland in respect to local recaptures show that nearly all recaptures in the year of tagging have been taken in the tagging area.

The weight increase of the salmon from Fiskenæsset, 1969, was 1.30 kg, or about 50% from mid-August to late-November.

Table 1. Weekly landings in Fiskemasset (Div. 1D) in number and percent per size-group used commercially of Godthåb Fiskeindustri.

Week	1.1 - 2.7		2.8 - 3.2		3.3 - 4.3		4.4 - 5.5		5.6 - 7.7		7.8 -		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
32	1097	59.0	584	31.4	141	7.6	25	1.3	13	0.7			1860	3.4
33	1668	69.1	583	24.1	139	5.8	15	0.6	10	0.4			2415	4.4
34	2801	57.7	1415	29.1	558	11.5	41	0.8	31	0.6	8	0.2	4854	8.9
35	2831	51.8	1804	33.0	745	13.6	55	1.0	22	0.4	2	0.04	5459	10.0
36	2006	44.1	1557	34.2	911	20.0	53	1.2	16	0.4	5	0.1	4548	8.4
37	794	43.6	599	32.9	383	21.0	32	1.8	9	0.5	4	0.2	1821	3.3
38	1492	39.6	1356	35.9	829	22.0	68	1.8	23	0.6	5	0.1	3773	6.9
39	1401	17.1	3469	42.5	2995	36.7	229	2.8	61	0.7	12	0.1	8167	15.0
40	1066	20.5	2080	40.0	1837	35.3	158	3.0	52	1.0	12	0.2	5205	9.6
41	1939	24.9	2089	26.8	3246	41.6	412	5.3	87	1.1	25	0.3	7798	14.3
42	617	19.6	864	27.5	1404	44.7	194	6.2	51	1.6	11	0.4	3141	5.8
43	608	18.6	810	24.8	1528	46.8	252	7.7	53	1.6	16	0.5	3267	6.0
44	107	14.5	197	26.7	341	46.1	74	10.0	17	2.3	3	0.4	739	1.4
45	128	15.0	197	23.0	428	50.0	81	9.5	20	2.3	2	0.2	856	1.6
46-47	64	13.8	89	19.1	233	50.1	61	13.1	13	2.8	5	1.1	465	0.9
TOTAL	18619	34.2	17693	32.5	15718	28.9	1750	3.2	478	0.9	110	0.2	54368	

Table 2. Weekly landings of salmon in numbers and kilograms, and the average weight of the salmon; round, fresh fish.

Week	No. of salmon	weight of salmon	average weight of salmon
32	1860	5015.7	2.70
33	2415	5678.1	2.35
34	4854	12914.2	2.66
35	5459	14822.3	2.72
36	4548	13209.0	2.90
37	1821	5565.5	3.06
38	3773	11016.1	2.92
39	8167	26308.8	3.22
40	5205	16898.8	3.25
41	7798	25765.8	3.30
42	3141	10781.0	3.43
43	3267	11371.1	3.48
44	739	2690.5	3.64
45	856	3103.1	3.63
46-47	465	1729.6	3.72
TOTAL	54368	166869.6	3.07

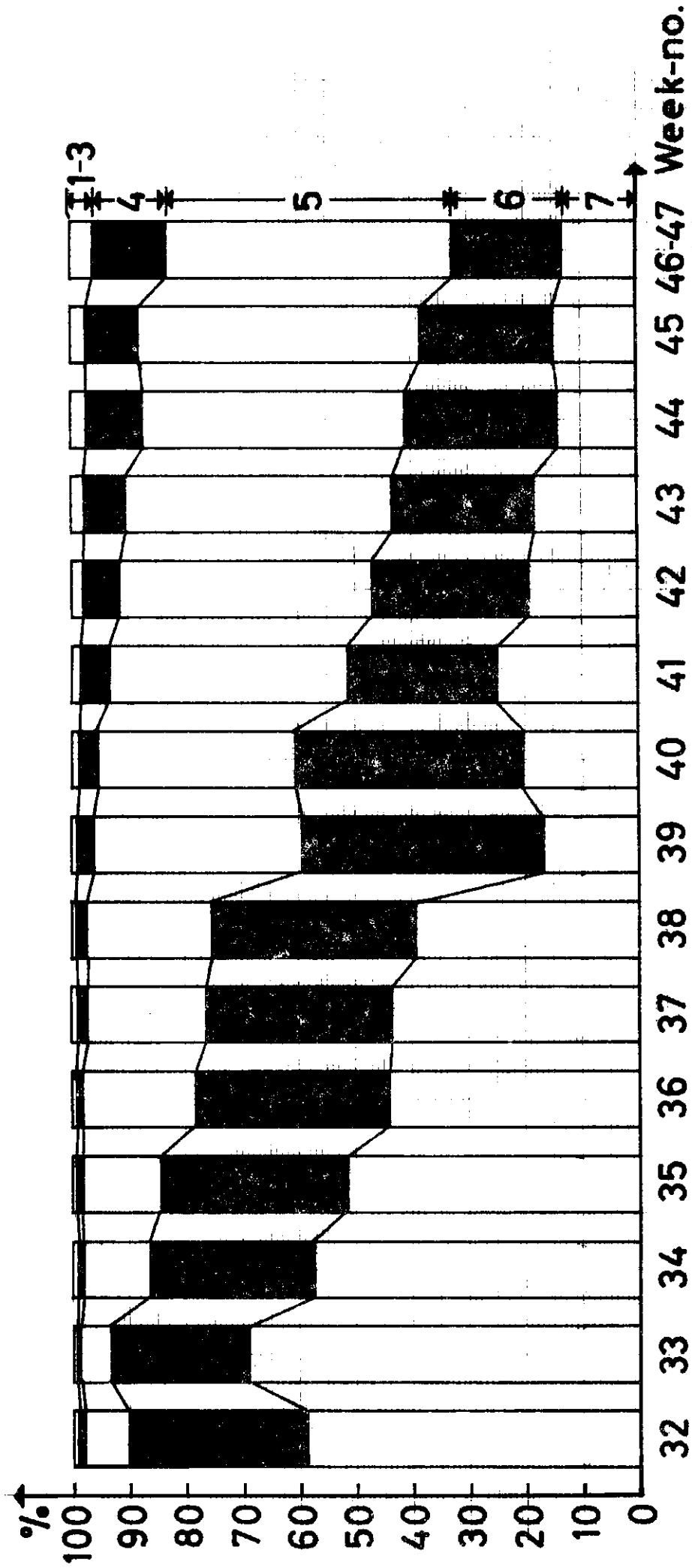


Fig. 1. The changes of the relation between size-groups during the autumn 1969.

1-3 : >5.6 kg 4 : 4.4-5.5 kg 5 : 3.3-4.3 kg 6 : 2.8-3.2 kg 7 : 1.1-2.7 kg

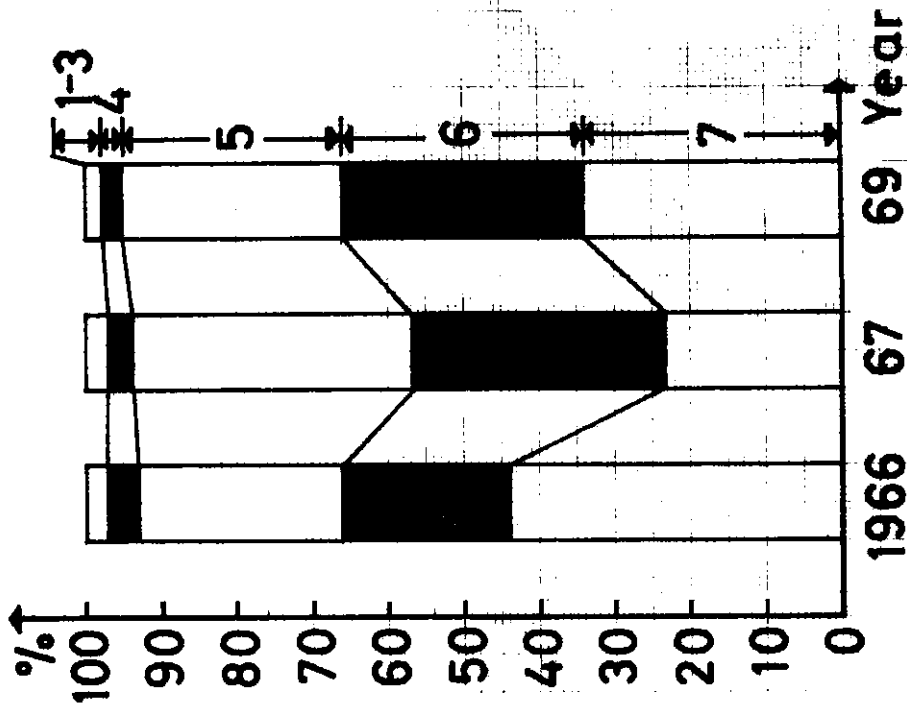


Fig. 2. The relation between size-groups in 1966, 1967 and 1969. 1966 and 1967 are from Fiskemasset and Godthåb, 1969 from Fiskemasset only. Size-groups see Fig. 1.

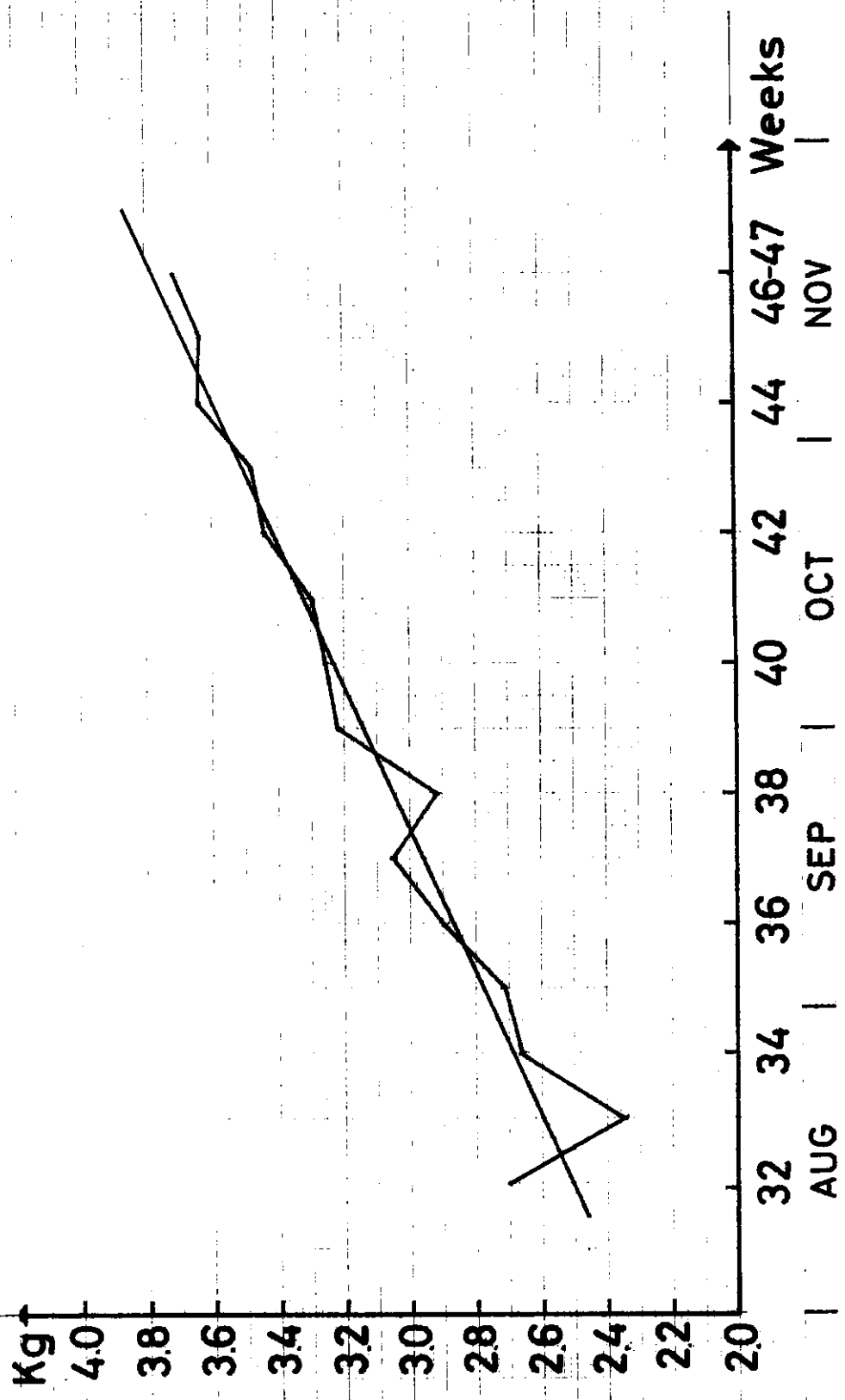


Fig. 3. The growth of the salmon in the area of Fiskeneset (Div. 1D) during the autumn 1969.