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A. Size Distribution of Cod, 1961.

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In 1961, as in previous years, two observers collected data aboard the trawlers "Vendaval" and "Aquilon", mainly for the study of length and age distribution of cod.

The material<sup>1)</sup> collected is summarized as follows:

Subarea	Month	Numbers of cod measured	
		Monthly	Total by Subarea
2J	V	1894	
	VI	560	
	IX	2434	
	X	1574	
	XI	198	6660
3K	VI	453	
	VIII	431	
	XI	185	1069
3L	III	241	
	IV	1239	
	V	550	
	VIII	2615	4645
3M	VIII	273	273
3N	III	194	194
3 Ps	IV	825	825
4 Vs	IV	878	878
Grand Total:			14544

1) Tables including the detailed data will be published in the 1961 Sampling Yearbook.

Subarea 2J (Fig. 1).

The Spanish fisheries do not use cod below a length of 40 cm, and the percentage quantities (as appearing from the data collected) of cod discarded in Subarea 2J were as follows:

May	- 6 %
June	- 9.6 %
Sept.	- 7.7 %
Oct.	- 7.8 %
Nov.	- 0.0 %
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Mean	- 6.2 %

The most frequent sizes (modes of length distribution curves) caught were in the same months:

May	- 57-59 cm
June	- 54-56 cm
Sept.	- 60-62 cm
Oct.	- 60-62 cm
Nov.	- 57-59 cm

Subarea 3K (Fig. 2).

The percentages discarded and the modes of the length distribution curves were as follows:

June	- 2.2 %	- 60-62 cm
Aug.	- 0.5 %	- 57-59 cm
Nov.	- 1.1 %	- 60-62 cm
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Mean	1.3 %	

Subarea 3L (Fig. 3).

March	- 5.4 %	- 57-59 and 63-65 cm
April	- 3.3 %	- 57-59 cm
May	- 1.7 %	- 60-62 cm
Aug.	- 3.2 %	- 63-65 cm
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Mean	3.4 %	

Subarea 3 M (Fig. 4).

August: The sizes are very small (mode 45-47 cm) and the discards are large, amounting to 36.3%.

Subarea 3N (Fig. 4).

March: The discards do not exceed 1.5 % and the mode of the length distribution is 60-62 cm.

Subarea 3 Ps (Fig. 4).

The stock of cod here presents larger individual sizes, with the mode at 69-71 cm, the sizes up to 84-86 cm are almost as abundant as the size class 69-71 cm. The discards are as low as 0.8%.

Subarea 4 Vs (Fig. 5).

April: No discards are reported although the mode of the length curve is as low as 51-53 cm.

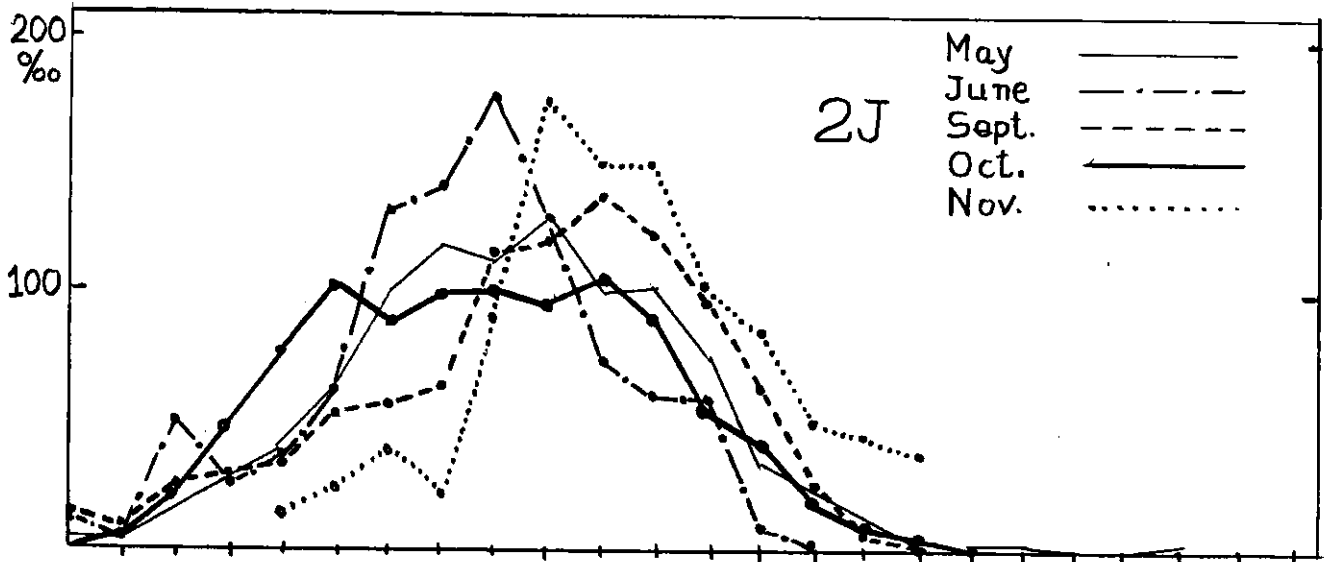


Fig. 1. Cod, length distribution, 3 cm-groups, Division 2J.

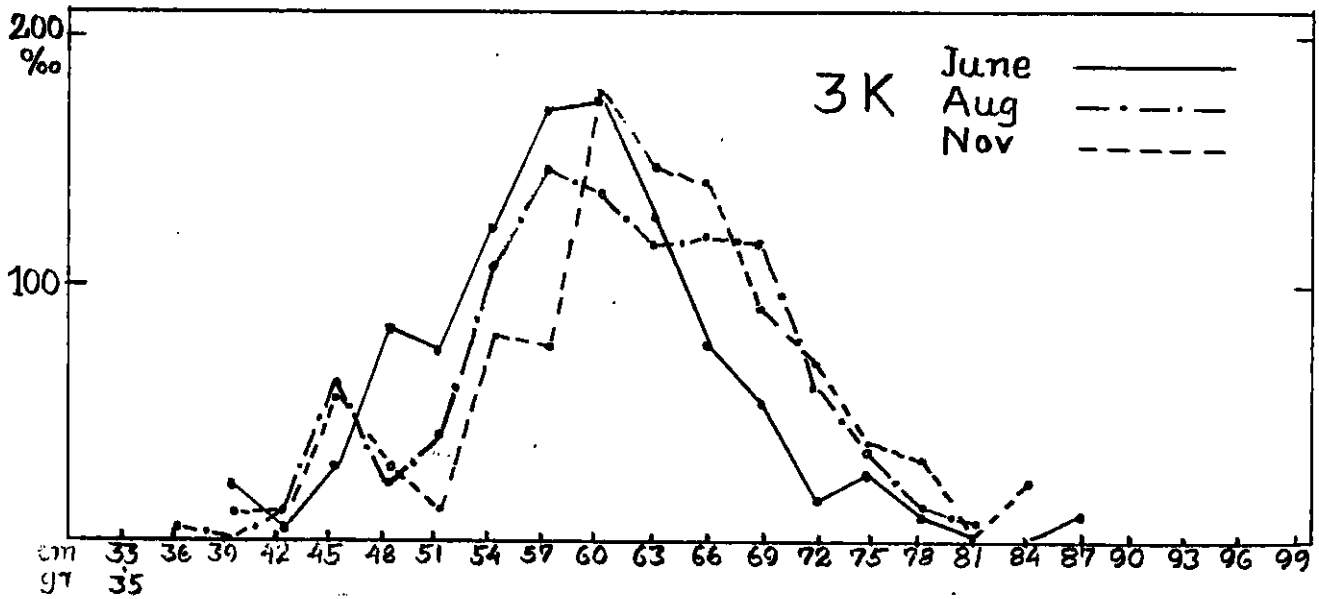


Fig. 2. Cod, length distribution, 3 cm-groups, Division 3K.

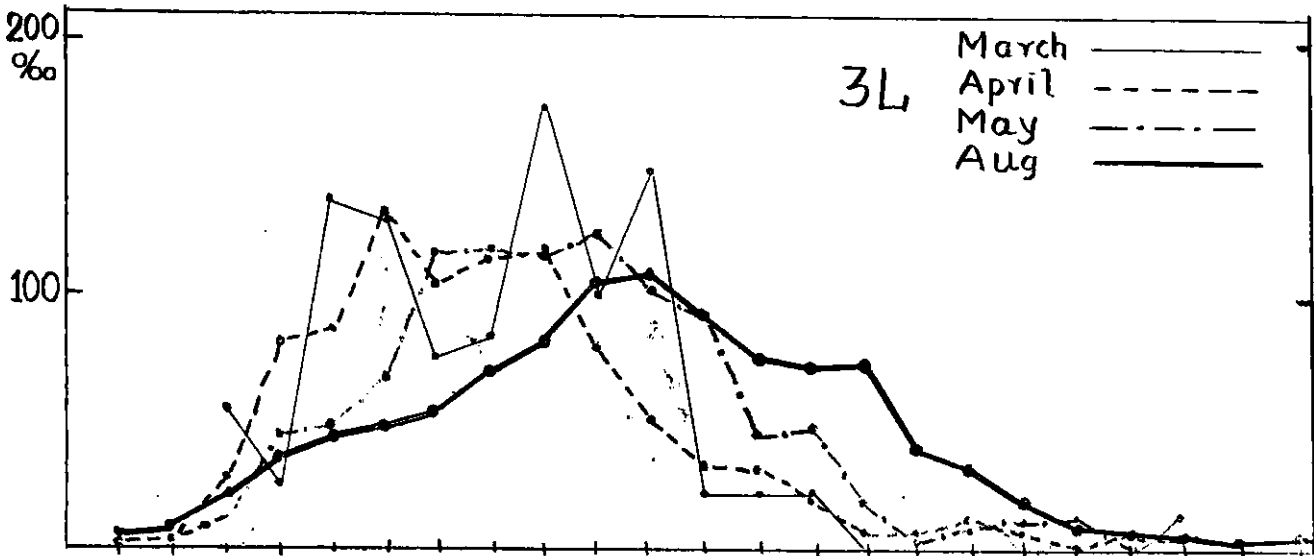


Fig. 3. Cod, length distribution, 3 cm-groups, Division 3L.

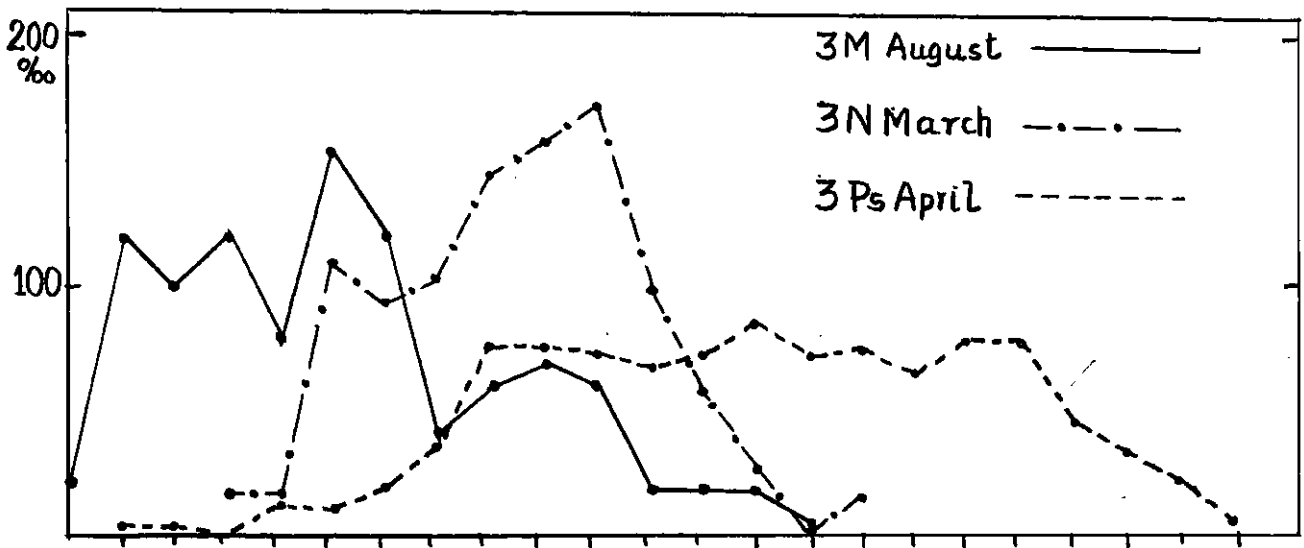


Fig. 4. Cod, length distributions, 3 cm-groups, Divisions 3 M, 3N and 3 Ps.

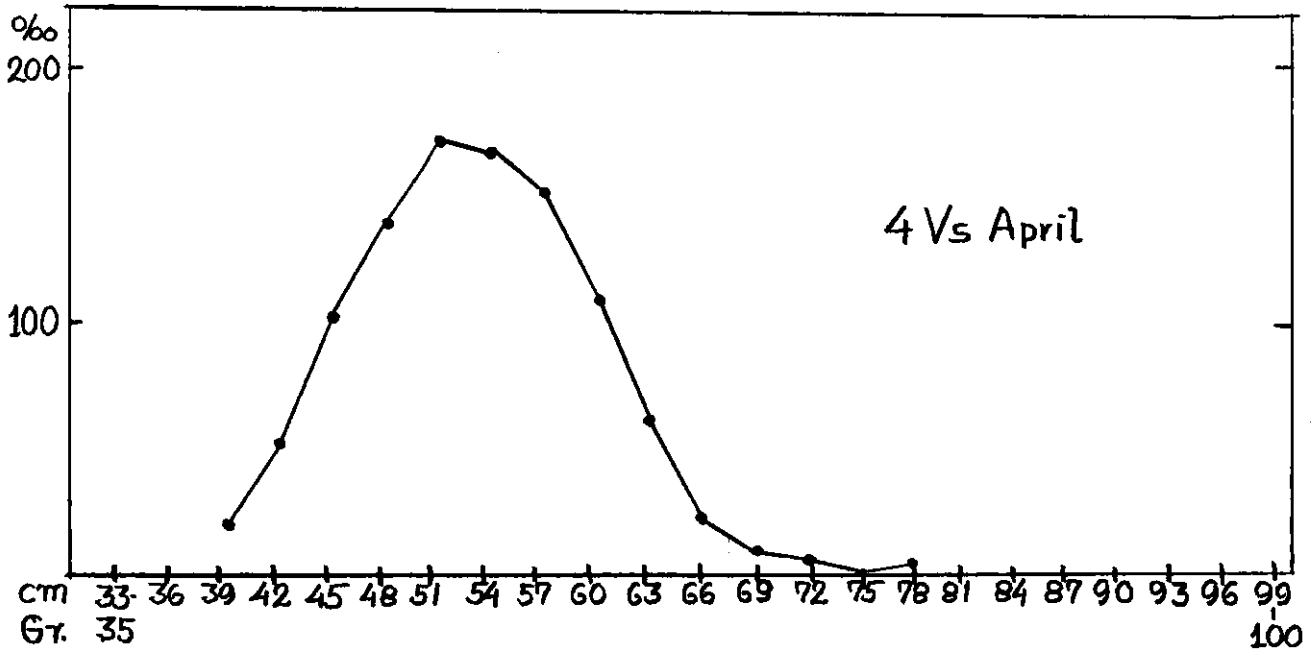


Fig. 5. Cod, length distribution, 3 cm-groups, Division 4 Vs.