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(D.a.62)Document No. 39SPANISH RESEARCH REPORTPART ASize Distribution of Cod, 1962

by O. Rodriguez Martin

As in previous years, an observer has collected data aboard the trawler "Aquilón", mainly for the study of age and length distribution of cod.

The material¹⁾ collected for each month and ICNAF division includes the following numbers of cod measured:

Month	1B	1C	2J	3K	3L	3M	3O	3PS	Total
March								316	316
April					159				159
May			2,799						2,799
July					1,501	461	446		2,408
Aug.	627	204	1,037						1,868
Sept.			526						526
Oct.			530	616					1,146
Nov.				57					57
Year	627	204	4,892	673	1,660	461	446	316	9,279

Division 1B (Fig. 1)

The most frequent sizes (mode of the length distribution curves) caught in the month of August were 54-56 cm and 66-68 cm. Maximum length was 80 cm, and minimum length 40 cm.

Division 1C (Fig. 1)

The mode was 66-68 cm, being the maximum length found 98 cm and the minimum length 45 cm.

Fig. 1 shows that lengths are generally higher in Division 1C than in 1A.

1) Tables of detailed data will be included in the 1962 Sampling Yearbook.

Division 2J (Fig. 2)

Data from four months is available in this subarea, as shown hereof:

- a) March: The mode was 57-59 cm and lengths are up to 86 cm, with a minimum of 35 cm. Specimens up to 100 cm were also caught, but in small proportion.
- b) August: Two well marked modes are found, one at 48-50 cm and the other at 60-62 cm. The maximum length was 83 cm, and the minimum length 32 cm.
- c) Sept.: The mode was 51-53 cm, with a maximum length of 84 cm and a minimum of 35 cm.
- d) Oct.: The mode was 48-50 cm; maximum length 70 cm and minimum length 36 cm.

Division 3K (Fig. 3)

- a) Oct.: The mode was 60-62 cm; maximum length found 92 cm; minimum length found 35 cm.
- b) Nov.: The mode is 72-74 cm and sizes go from 48 cm (the smallest) to 100 cm.

Division 3L (Fig. 4)

- a) April: The mode was 60-62 cm, being the maximum length 83 cm and the minimum length 42 cm. Some specimens had a total length of 92 cm.
- b) July: The mode was 51-53 cm, the minimum length 35 cm and the maximum length 89 cm. Some specimens sized 107 cm were also caught.

Division 3M (Fig. 5)

July: The mode was 63-65 cm; maximum length 107 cm and minimum length 44 cm.

Division 3O (Fig. 5)

July: The mode was 48-50 cm; maximum length 66 cm and minimum length 40 cm.

Division 3PS (Fig. 5)

March: The length curve shows two peaks, one at 51-53 cm and the other at 60-62 cm, being the maximum length 98 cm and the minimum length 38 cm. There are some specimens sized 107 cm.

The data presented above are summarized in the following

table:

ICNAF Division	Month	Mode cm	Maximum cm	Minimum cm
1A	August	54 - 56	80	40
		66 - 68		
1C	"	66 - 68	98	45
2J	May	57 - 59	86	35
	August	48 - 50		
		60 - 62	83	32
	September	51 - 53	89	35
	October	48 - 50	70	36
3K	October	60 - 62	92	35
	November	72 - 74	100	48
3L	April	60 - 62	83	42
	July	51 - 53	89	35
3M	July	63 - 65	107	44
3O	July	48 - 50	66	40
3PS	March	51 - 53	98	38
		60 - 62		

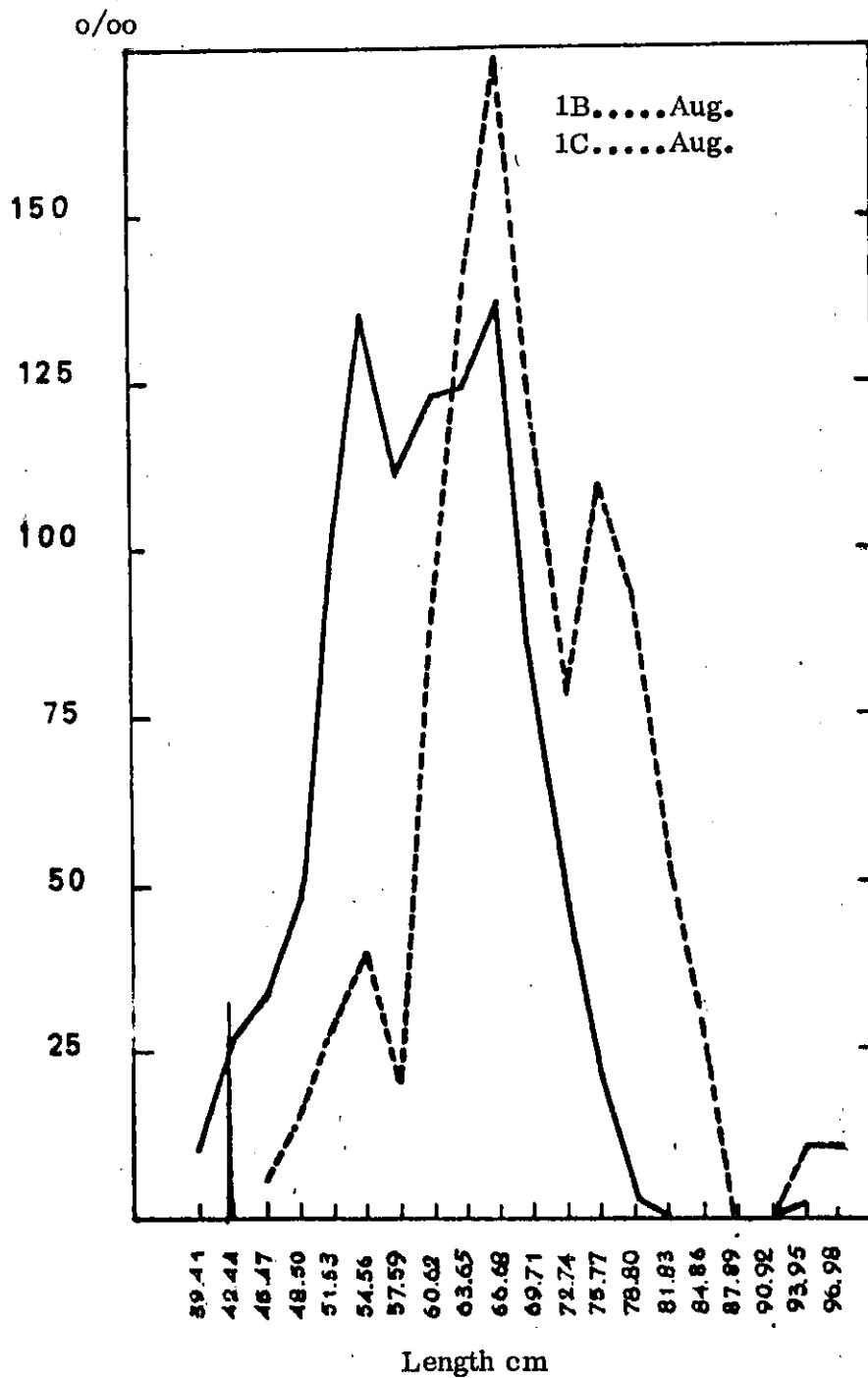


Figure 1.

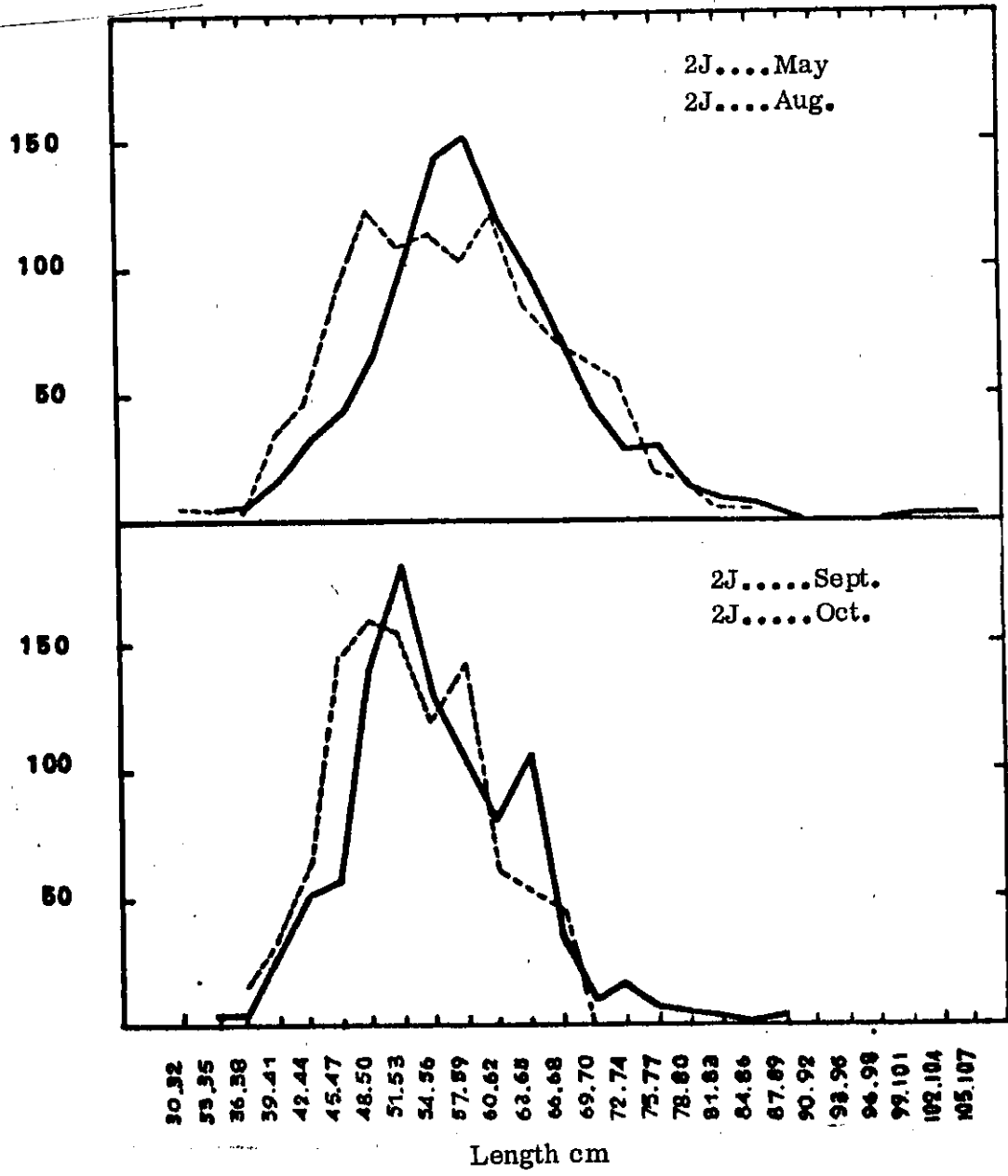


Figure 2.

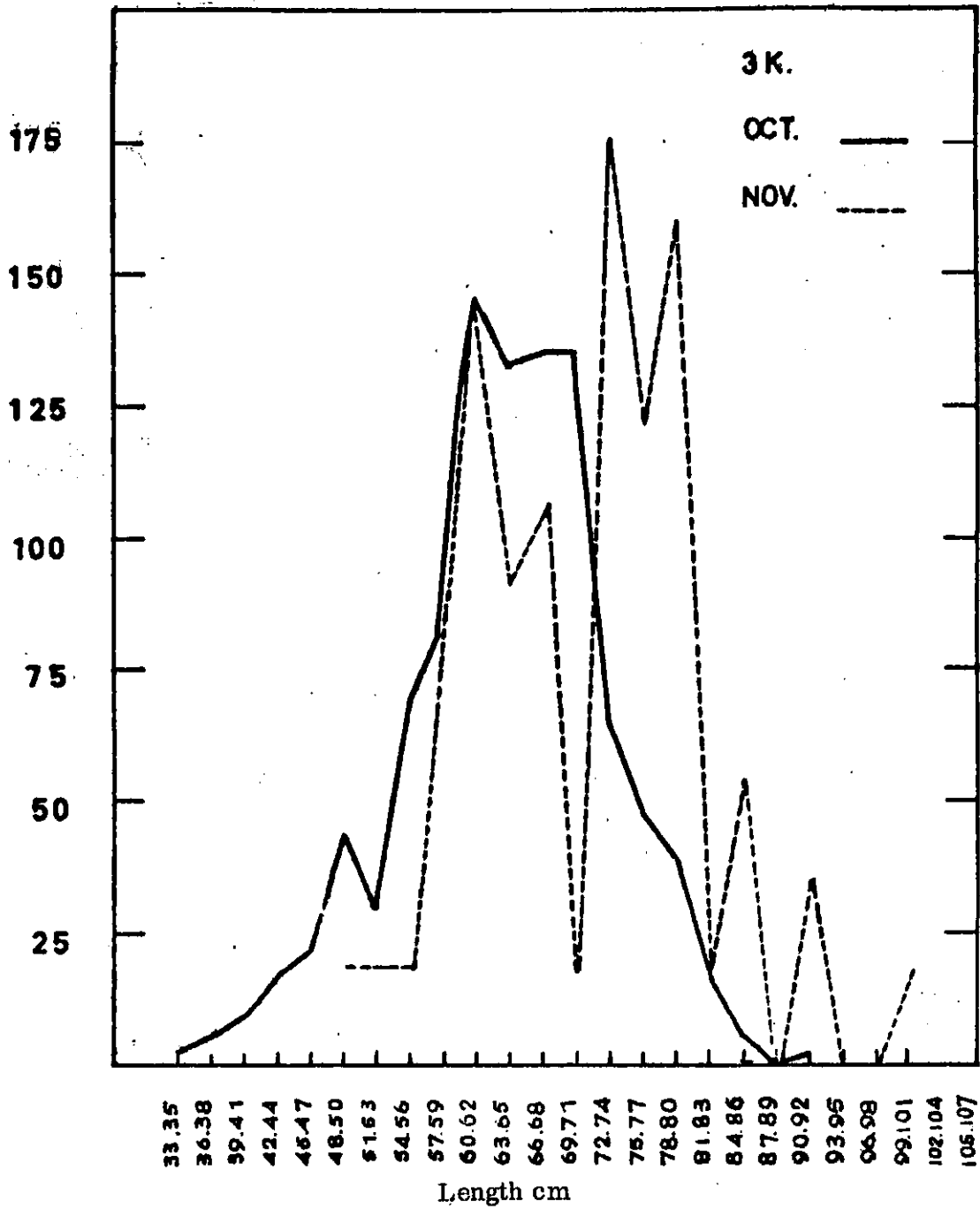


Figure 3.

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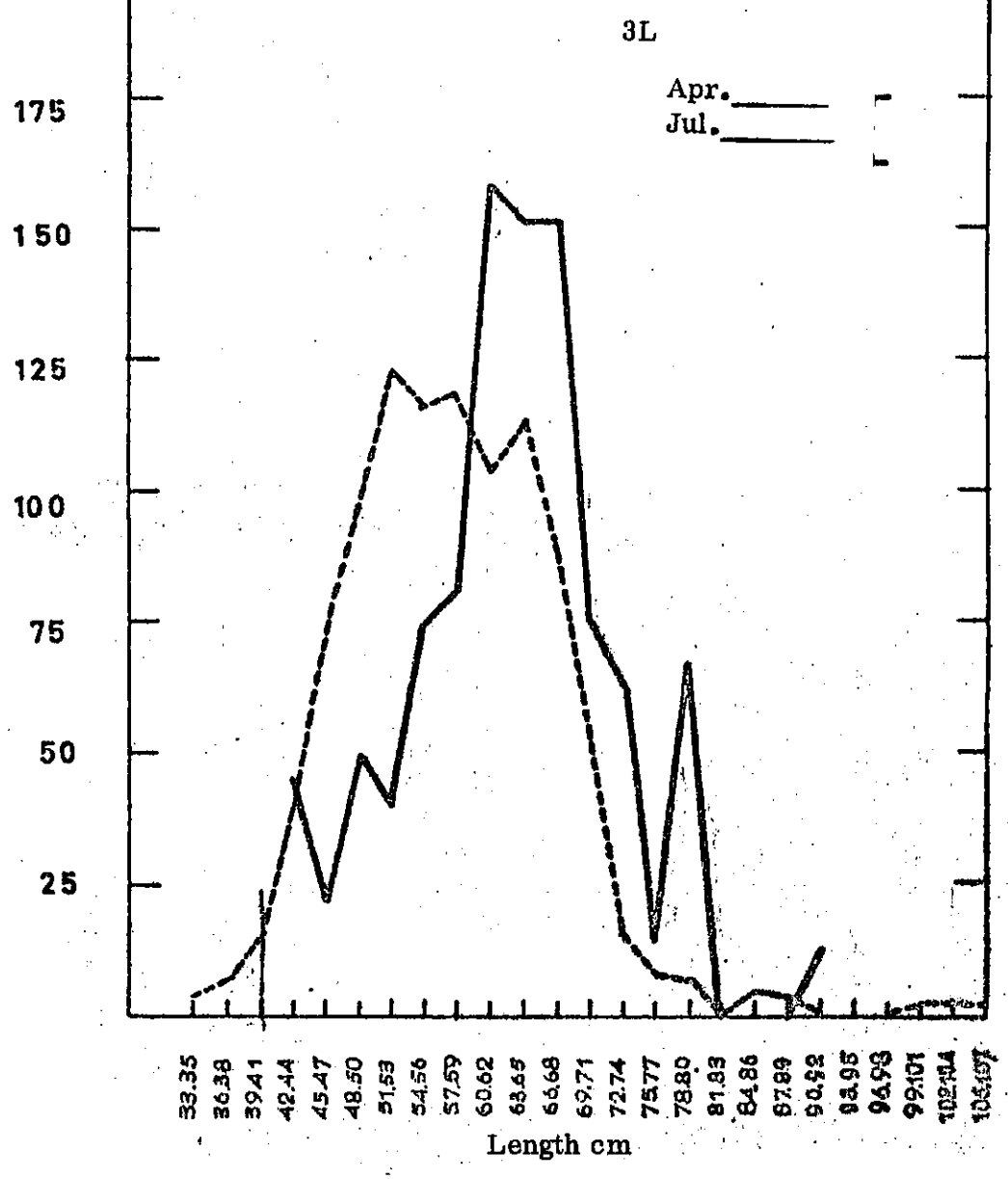


Figure 4.

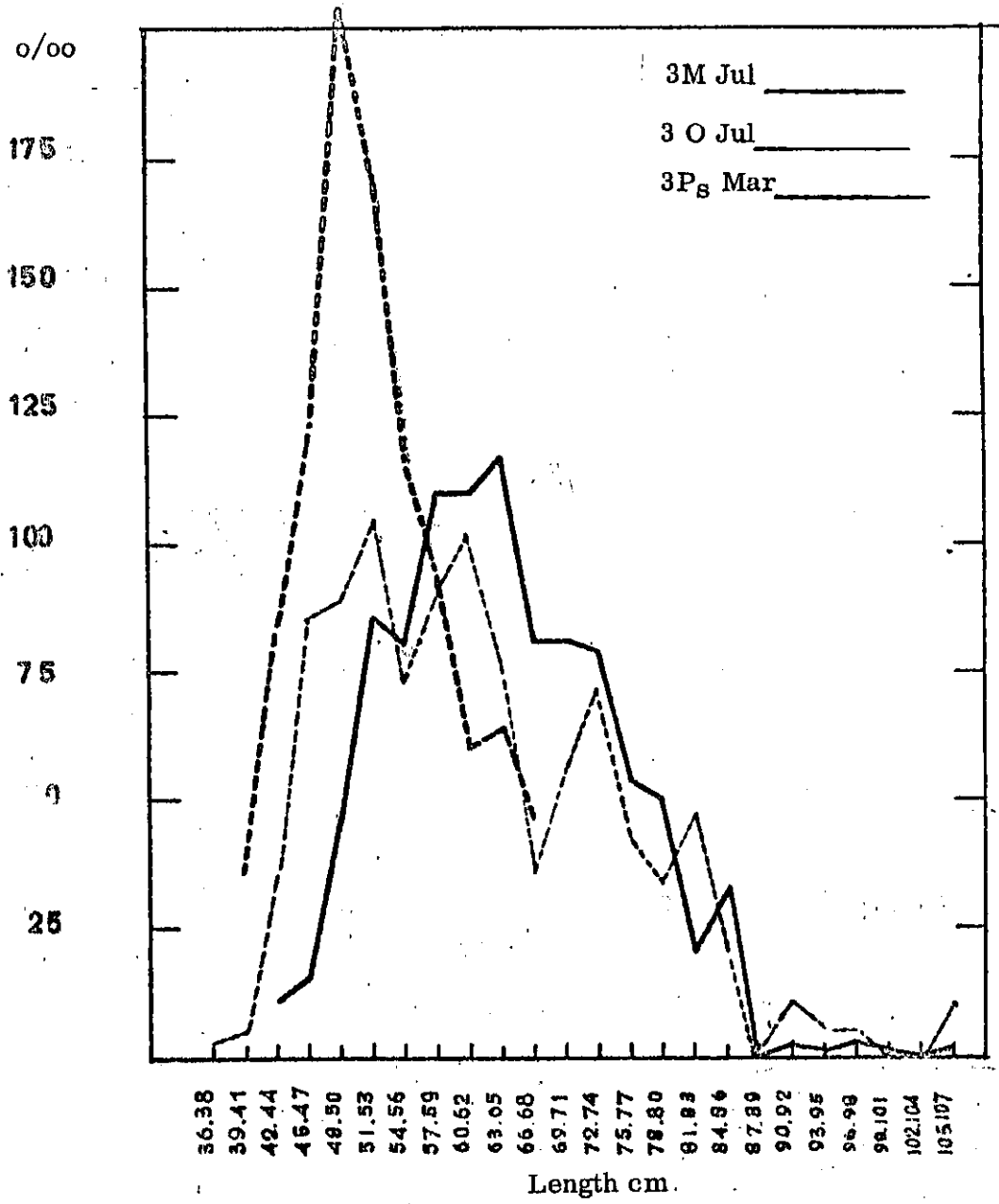


Figure 5.