

DET NORSKE HVALRÅDS STATISTISKE PUBLIKASJONER

INTERNATIONAL  
WHALING STATISTICS

III

EDITED BY

THE COMMITTEE FOR WHALING STATISTICS  
APPOINTED BY THE NORWEGIAN GOVERNMENT



OSLO 1932

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STEENSKE BOKTRYKKERI JOHANNES BJORNSTAD A/S  
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## Introduction.

In "International Whaling Statistics III" we are submitting general statistics of the catch for the season 1930/31 and the summer of 1931. These statistics are quite complete. We have not, however, succeeded in obtaining returns of the yield from Chile, where a company has worked in previous years with a permanent station and four boats. The Committee has no knowledge as to whether the said company has been in operation at all in the season under review.

The majority of whaling companies have furnished measurement returns, which have been dealt with in the same manner as in "International Whaling Statistics II".

From The Administration of Greenland at Copenhagen we have received information concerning the Danish whaling off West Greenland in the years 1926—1931. The information given is printed as table no. 6.

In addition to the usual average measurements for each company's catch of blue-whale and fin-whale (companies are indicated by number instead of by name), this edition includes a table displaying the number of animals falling to each of the lengths specified in the table.

The whales are thereupon collocated in groups, with the percentage of animals falling to each group.

Lastly, a calculation is given of the percentage of the animals which have attained sexual maturity size.

The limit of sexual maturity is based on the results arrived at by N. A. Mackintosh and J. F. G. Wheeler, zoologists with the Discovery expedition, in the course of their investigations in the Antarctic.

The said authors have found that the blue-whale and the fin-whale have, as a rule, attained sexual maturity size at the following lengths:—

Blue females . . . . .	77 feet 9 inches.
Blue males . . . . .	74 „ 2 „
Fin females . . . . .	65 „ 7 „
Fin males . . . . .	63 „ 8 „

In working up the measurement returns from the Antarctic we have referred the animals killed to three separate geographical fields:—

- (1) South Georgia and South Shetlands (permanent stations).
- (2) Pelagic catch in West Antarctic and eastward to approximately 85° to 90° E. lat.

- (3) Pelagic catch from the mouth of Ross Sea and westward to approximately 85° to 90° E. lat., where the expeditions from the west and east got into contact with each other.

In this edition we are publishing a very large number of foetus measurements relative to blue-, fin- and sei-whales.

The tables show:—

- (1) Date and year of measurement.
- (2) Length of mother animal.
- (3) Length of foetus.
- (4) Number of foetuses falling to different groups of length in each month and average size of the foetuses measured in each month.

In respect of blue- and fin-whales, foetus measurements are included only from permanent stations on South Georgia and Deception Is. These measurements have been effected under conditions which should make them reliable.

It will be observed that in a number of instances whalers state mother animals of a length under that which should be the minimum for the attainment of sexual maturity according to the investigations made, as stated above, by the Discovery expedition.

As in previous editions of "International Whaling Statistics" the present publication also includes a table showing the economic utilisation of the whales killed.

These figures are worked out according to the number of barrels of oil produced per blue-whale unit.

The other whale species are converted into blue-whale in the following ratio:—

$$1 \text{ blue} = 2 \text{ fin} = 2\frac{1}{2} \text{ humpback} = 6 \text{ sei-whales.}$$

In the case of sperm-whale the number of barrels of oil produced from this species has been deducted in the total output.

Oslo 28th of June 1932.

*Johan Hjort.*

*Gunnar Jahn.*

*Sigurd Risting.*

Table No. 1.—Whaling in 1930/31 and summer 1931.

Geographical areas.	Species of whales caught.							Oil production. Barrel = 1/6 ton. <sup>1)</sup>	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
South Georgia.....	1,085	1,416	66	144	24	<sup>2)</sup> 1	2,736	187,938	5	-	27
West Antarctic, others.	24,591	7,291	339	1	19	<sup>2)</sup> 1	32,242	2,992,189	1	38	184
Loss Sea.....	3,734	1,310	171	-	8	-	5,223	428,221	-	3	21
Coast of Natal.....	122	466	71	29	135	-	823	37,086	1	-	10
Coast of Japan and Corea.....	20	337	70	418	283	<sup>3)</sup> 19	1,147	16,274	-	-	20
Coast of Norway.....	2	69	-	52	5	-	128	3,399	2	-	6
North Atlantic and Arctic, pelagic.....	52	456	39	8	-	-	555	21,869	-	2	7
Coast of West Greenland	-	16	4	-	-	-	20	-	-	-	1
Total	29,606	11,361	760	652	474	21	42,874	3,686,976	9	43	276

<sup>1)</sup> 1 ton = 1,016 kg. <sup>2)</sup> Right-whale. <sup>3)</sup> 11 grey-whales and 8 right-whales.

Table No. 2.—Norwegian whaling in 1930/31 and summer 1931.

Geographical areas.	Species of whales caught.							Oil production. Barrel = 1/6 ton.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
South Georgia.....	460	524	26	34	5	-	1,049	75,101	2	-	11
West Antarctic, others.	15,014	3,798	169	1	14	<sup>1)</sup> 1	18,997	1,788,372	1	24	115
Loss Sea.....	3,734	1,310	171	-	8	-	5,223	428,221	-	3	21
Coast of Norway.....	2	69	-	52	5	-	128	3,399	2	-	6
North Atlantic and Arctic, pelagic.....	52	456	39	8	-	-	555	21,869	-	2	7
Total	19,262	6,157	405	95	32	1	25,952	2,316,962	5	29	160

<sup>1)</sup> Right-whale.

Table No. 3.—British whaling in 1930/31 and summer 1931.

Geographical areas.	Species of whales caught.							Oil production. Barrel = 1/6 ton.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
South Georgia.....	369	645	25	88	16	-	1,143	73,300	2	-	11
West Antarctic, others.	7,961	2,943	144	-	5	-	11,053	1,020,845	-	11	57
Coast of Natal.....	122	466	71	29	135	-	823	37,086	1	-	10
Total	8,452	4,054	240	117	156	-	13,019	1,131,231	3	11	78

**Table No. 4.—Whaling of other countries in 1930/31 and summer 1931.**

Geographical areas.	Species of whales caught.							Oil production. Barrel = 1/6 ton.	Expeditions.		
	Blue.	Fin.	Hump- back.	Sei.	Sperm.	Others.	Total of whales.		Shore sta- tions.	Floa- ting fac- tories.	Catch ers.
South Georgia.....	256	247	15	22	3	<sup>1)</sup> 1	544	39,537	1	-	5
West Antarctic, others.	1,616	550	26	-	-	-	2,192	182,972	-	3	12
Coast of Japan and Corea.....	20	337	70	418	283	<sup>2)</sup> 19	1,147	16,274	-	-	20
Coast of West Green- land.....	-	16	4	-	-	-	20	-	-	-	1
<b>Total</b>	<b>1,892</b>	<b>1,150</b>	<b>115</b>	<b>440</b>	<b>286</b>	<b>20</b>	<b>3,903</b>	<b>238,783</b>	<b>1</b>	<b>3</b>	<b>38</b>

<sup>1)</sup> Right-whale. <sup>2)</sup> 11 grey-whales and 8 right-whales.

**Table No. 5.—Whaling Results for the various countries in 1930/31 and summer 1931.**

Countries.	Species of whales caught.							Oil production. Barrel = 1/6 ton.	Expeditions.		
	Blue.	Fin.	Hump- back.	Sei.	Sperm.	Others.	Total of whales.		Shore sta- tions.	Floa- ting fac- tories.	Catch ers.
Norway.....	19,262	6,157	405	95	32	<sup>1)</sup> 1	25,952	2,316,962	5	29	160
British Empire.....	8,452	4,054	240	117	156	-	13,019	1,131,231	3	11	78
Argentina.....	599	519	30	22	3	<sup>1)</sup> 1	1,174	88,154	1	1	9
Denmark.....	906	129	11	-	-	-	1,046	84,995	-	1	6
United States.....	367	165	4	-	-	-	536	49,360	-	1	3
Japan.....	20	337	70	418	283	<sup>2)</sup> 19	1,147	16,274	-	-	20
<b>Total</b>	<b>29,606</b>	<b>11,361</b>	<b>760</b>	<b>652</b>	<b>474</b>	<b>21</b>	<b>42,874</b>	<b>3,686,976</b>	<b>9</b>	<b>43</b>	<b>276</b>

<sup>1)</sup> Right-whale. <sup>2)</sup> 11 grey-whales and 8 right-whales.

**Table No. 6.—Danish whaling off West Greenland in the years 1926—1931.<sup>1)</sup>**

Years.	Species of whales caught.					Catchers.
	Blue.	Fin.	Humpback.	Sperm.	Total of whales. <sup>2)</sup>	
1926	2	24		9	47	1
1927	7	22		2	40	1
1928	1	24		1	35	1
1929	3	24		2	38	1
1930	1	27		-	34	1
1931	-	16		-	20	1

<sup>1)</sup> These particulars relating to West Greenland are received from The Administration of Greenland at Copenhagen. The figures for the year 1931 are included in tables no. 1, 4 and 5. For the years 1926—1930, however, the figures are not included in the previous statistics. <sup>2)</sup> The whale is used to a great extent for human food.



Table No. 7.—Average size of blue-whales and fin-whales caught in the season 1930/31 and summer 1931.

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
<b>A. Blue-whales.</b>				
		Engl. feet.	Engl. feet.	Engl. feet.
<i>South Georgia and Deception</i> . . . . .	No. 1	74.87	78.16	76.32
	" 2	74.13	76.30	75.07
	" 3	73.01	75.76	74.35
	" 4	73.32	78.93	76.05
	" 5	76.87	78.17	77.46
	" 6	72.33	76.13	74.25
Average		74.05	77.08	75.47
<i>West Antarctic, others</i> . . . . .	No. 1	77.54	82.14	79.58
	" 2	78.42	82.34	80.41
	" 3	75.33	77.08	76.17
	" 4	82.54	86.41	84.42
	" 5	80.63	84.53	82.36
	" 6	76.62	79.68	78.17
	" 7	77.45	80.71	78.90
	" 8	77.63	80.94	79.28
	" 9	69.34	73.65	70.84
	" 10	75.35	78.57	76.73
	" 11	75.50	77.90	76.62
	" 12	77.73	78.30	77.99
	" 13	75.48	79.15	77.27
	" 14	79.77	83.26	81.43
	" 15	78.68	81.22	80.05
	" 16	76.11	78.83	77.27
	" 17	81.49	83.96	82.67
	" 18	80.13	83.99	81.89
	" 19	74.20	77.26	75.47
	" 20	77.97	80.62	79.16
	" 21	78.93	82.79	80.87
	" 22	78.39	78.76	78.52
	" 23	82.56	86.68	84.79
	" 24	77.60	80.16	78.69
	" 25	78.90	80.10	79.51
	" 26	82.16	85.00	83.28
	" 27	77.89	81.48	79.64
	" 28	73.48	78.44	75.60
	" 29	75.98	79.61	77.57
	" 30	78.43	80.93	79.44
	" 31	77.09	79.89	78.44
	" 32	74.02	78.75	76.40
	" 33	82.59	84.33	83.29
Average		78.40	81.53	79.84
<i>Ross Sea</i> . . . . .	No. 1	82.22	85.05	83.56
	" 2	80.36	84.13	82.41
	" 3	78.01	80.97	79.54
Average		80.54	83.59	82.09
<i>Coast of Natal</i> Males 65 } Total 122. Females 57 }	No. 1	65.03	65.67	65.34
<i>Pelagic whaling in North Atlantic and Arctic</i> . . . . .	No. 1	74.36	76.81	75.25
	" 2	77.43	85.00	78.38
Average		74.98	77.30	75.73

Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
<b><u>B. Fin-whales.</u></b>				
<i>South Georgia and Deception</i> .....	No. 1	63.98	68.22	66.31
	" 2	62.46	64.01	63.22
	" 3	63.40	66.42	65.05
	" 4	64.81	68.90	66.90
	" 5	66.37	70.30	68.53
	" 6	63.44	65.23	64.37
Average		64.06	67.26	65.74
<i>West Antarctic, others</i> .....	No. 1	63.53	67.81	65.57
	" 2	64.12	66.58	65.31
	" 3	57.59	59.58	58.36
	" 4	70.45	73.46	71.55
	" 5	66.09	69.20	66.86
	" 6	64.64	66.97	65.65
	" 7	62.41	67.11	64.04
	" 8	63.77	66.96	65.32
	" 9	59.05	62.62	60.41
	" 10	57.17	58.14	57.63
	" 11	64.91	65.83	65.32
	" 12	62.76	62.54	62.64
	" 13	61.14	61.11	61.13
	" 14	66.53	69.74	68.18
	" 15	66.92	68.94	67.89
	" 16	64.22	67.46	65.72
	" 17	67.31	70.43	68.71
	" 18	72.19	75.69	74.16
	" 19	63.97	64.46	64.15
	" 20	63.83	63.58	63.73
	" 21	65.99	69.00	66.86
	" 22	56.14	56.80	56.43
	" 23	66.82	69.47	68.50
	" 24	65.53	67.59	66.23
	" 25	66.00	69.43	67.40
	" 26	69.08	72.09	70.28
	" 27	66.44	69.88	68.26
	" 28	55.42	56.20	55.69
	" 29	62.72	62.03	62.44
	" 30	64.87	65.06	64.94
	" 31	62.12	63.22	62.53
	" 32	52.29	54.69	53.32
	" 33	58.04	59.18	58.49
Average		64.44	66.87	65.46
<i>Ross Sea</i> .....	No. 1	68.84	72.47	70.33
	" 2	67.95	69.57	68.64
	" 3	69.16	70.17	69.64
Average		68.75	71.42	69.89
<i>Coast of Natal</i> .....	No. 1	59.26	57.79	58.59
<i>Pelagic whaling in North Atlantic and Arctic</i> .....	No. 1	59.30	63.88	61.44
	" 2	62.10	66.42	63.88
Average		60.37	64.71	62.31

**Table No. 8.—Whales caught in the season 1930/31 in the Antarctic, by species, sex and size.**

**Total Antarctic.**

**Blue-whales.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
46	-	1	1	76	729	313	1,042
49	-	1	1	77	581	271	852
50	1	-	1	78	1,396	754	2,150
51	-	2	2	79	788	410	1,198
52	2	2	4	80	1,969	1,460	3,429
53	1	-	1	81	638	443	1,081
54	-	2	2	82	1,054	919	1,973
55	4	5	9	83	604	577	1,181
56	3	4	7	84	631	723	1,354
57	7	4	11	85	823	1,011	1,834
58	6	4	10	86	381	733	1,114
59	3	5	8	87	210	550	760
60	58	46	104	88	141	542	683
61	27	18	45	89	86	388	474
62	45	36	81	90	73	533	606
63	46	20	66	91	9	103	112
64	50	34	84	92	17	176	193
65	166	99	265	93	9	74	83
66	71	49	120	94	2	49	51
67	96	77	173	95	3	46	49
68	223	89	312	96	1	12	13
69	106	53	159	97	-	7	7
70	561	249	810	98	-	4	4
71	146	52	198	99	-	2	2
72	337	154	491	100	-	2	2
73	234	115	349	101	-	1	1
74	316	135	451				
75	806	411	1,217	Sum	13,460	11,770	25,230

**Fin-whales.**

33	1	-	1	63	222	122	344
35	3	-	3	64	253	121	374
42	-	1	1	65	555	250	805
43	-	1	1	66	291	109	400
44	-	-	-	67	393	166	559
45	1	3	4	68	500	258	758
46	3	2	5	69	272	165	437
47	1	2	3	70	535	547	1,082
48	6	7	13	71	133	147	280
49	2	4	6	72	145	274	419
50	40	24	64	73	73	181	254
51	12	13	25	74	62	196	258
52	38	21	59	75	86	251	337
53	32	32	64	76	17	97	114
54	53	17	70	77	13	58	71
55	158	93	251	78	12	56	68
56	122	79	201	79	6	37	43
57	71	47	118	80	5	43	48
58	156	84	240	81	1	6	7
59	70	58	128	82	-	3	3
60	341	205	546	83	-	1	1
61	116	70	186				
62	229	123	352	Sum	5,029	3,974	9,003

Table No. 8 (continued).

## a. South Georgia and Deception.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
51	-	1	1	77	34	25	59
52	1	-	1	78	19	10	29
55	1	-	1	79	32	9	41
56	1	1	2	80	70	26	96
57	4	-	4	81	17	6	23
58	2	2	4	82	33	28	61
59	2	3	5	83	18	18	36
60	16	12	28	84	29	40	69
61	16	7	23	85	24	26	50
62	9	13	22	86	10	28	38
63	15	5	20	87	12	40	52
64	26	17	43	88	8	15	23
65	39	35	74	89	2	16	18
66	13	11	24	90	1	17	18
67	22	23	45	91	-	14	14
68	22	15	37	92	-	7	7
69	19	16	35	93	-	3	3
70	47	28	75	94	-	1	1
71	26	11	37	95	-	1	1
72	22	17	39	96	-	1	1
73	16	16	32	97	-	2	2
74	27	18	45				
75	27	21	48				
76	18	9	27				
				Sum	700	614	1,314

## Fin-whales.

45	-	1	1	65	77	45	122
46	1	1	2	66	42	27	69
47	-	2	2	67	86	51	137
48	2	3	5	68	66	35	101
49	1	2	3	69	48	39	87
50	8	10	18	70	52	80	132
51	3	6	9	71	35	41	76
52	12	12	24	72	18	47	65
53	9	10	19	73	8	50	58
54	19	1	20	74	11	68	79
55	31	27	58	75	5	45	50
56	28	19	47	76	3	29	32
57	27	16	43	77	2	25	27
58	24	14	38	78	1	13	14
59	13	24	37	79	-	11	11
60	50	36	86	80	-	8	8
61	24	20	44	81	1	2	3
62	34	21	55	82	-	1	1
63	27	27	54				
64	45	30	75				
				Sum	813	899	1,712

Table No. 8 (continued).

## b. West Antarctic and eastward.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
46	-	1	1	76	647	282	929
49	-	1	1	77	520	236	756
50	1	-	1	78	1,197	675	1,872
51	-	1	1	79	645	356	1,001
52	1	2	3	80	1,556	1,266	2,822
53	1	-	1	81	490	369	859
54	-	2	2	82	758	688	1,446
55	3	5	8	83	443	401	844
56	2	3	5	84	495	528	1,023
57	3	1	4	85	670	793	1,463
58	3	2	5	86	318	548	866
59	1	2	3	87	154	370	524
60	37	26	63	88	97	388	485
61	10	8	18	89	72	308	380
62	34	22	56	90	66	440	506
63	26	10	36	91	7	60	67
64	21	17	38	92	14	131	145
65	121	59	180	93	7	59	66
66	54	36	90	94	1	36	37
67	70	49	119	95	2	33	35
68	192	66	258	96	1	8	9
69	81	32	113	97	-	5	5
70	502	206	708	98	-	3	3
71	110	40	150	99	-	2	2
72	299	122	421	100	-	2	2
73	187	89	276	101	-	1	1
74	273	111	384				
75	736	372	1,108				
				Sum	10,928	9,273	20,201

## Fin-whales.

33	1	-	1	63	189	89	278
35	3	-	3	64	205	89	294
42	-	1	1	65	430	195	625
43	-	1	1	66	231	79	310
44	-	-	-	67	216	100	316
45	1	2	3	68	273	188	461
46	2	1	3	69	150	106	256
47	1	-	1	70	345	354	699
48	4	4	8	71	55	70	125
49	1	2	3	72	82	150	232
50	30	14	44	73	39	79	118
51	9	7	16	74	28	80	108
52	26	9	35	75	75	153	228
53	23	20	43	76	10	36	46
54	33	16	49	77	7	29	36
55	125	66	191	78	9	32	41
56	93	60	153	79	5	24	29
57	44	30	74	80	4	31	35
58	131	69	200	81	-	4	4
59	56	33	89	82	-	2	2
60	282	163	445	85	-	1	1
61	89	49	138				
62	190	100	290	Sum	3,497	2,538	6,035

Table No. 8 (continued).

## c. Ross Sea and westward.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
57	-	3	3	79	111	45	156
58	1	-	1	80	343	168	511
60	5	8	13	81	131	68	199
61	1	3	4	82	263	203	466
62	2	1	3	83	143	158	301
63	5	5	10	84	107	155	262
64	3	-	3	85	129	192	321
65	6	5	11	86	53	157	210
66	4	2	6	87	44	140	184
67	4	5	9	88	36	139	175
68	9	8	17	89	12	64	76
69	6	5	11	90	6	76	82
70	12	15	27	91	2	29	31
71	10	1	11	92	3	38	41
72	16	15	31	93	2	12	14
73	31	10	41	94	1	12	13
74	16	6	22	95	1	12	13
75	43	18	61	96	-	3	3
76	64	22	86	98	-	1	1
77	27	10	37				
78	180	69	249	Sum	1,832	1,883	3,715

## Fin-whales.

50	2	-	2	68	161	35	196
53	-	2	2	69	74	20	94
54	1	-	1	70	138	113	251
55	2	-	2	71	43	36	79
56	1	-	1	72	45	77	122
57	-	1	1	73	26	52	78
58	1	1	2	74	23	48	71
59	1	1	2	75	6	53	59
60	9	6	15	76	4	32	36
61	3	1	4	77	4	4	8
62	5	2	7	78	2	11	13
63	6	6	12	79	1	2	3
64	3	2	5	80	1	4	5
65	48	10	58				
66	18	3	21	Sum	719	537	1,256
67	91	15	106				

**Table No. 9.—Whales caught in the season 1930/31 in the Antarctic, by species, sex and groups of size.**

**Total Antarctic.**

**Blue-whales.**

	Number of whales.	Per cent.
Group 1. (70 feet and less).....	2,276	9.02
„ 2. (71 feet to 85 feet).....	18,800	74.51
„ 3. (above 85 feet).....	4,154	16.47
	25,230	100.00
Immature males.....	2,193	16.29
—«— females.....	1,980	16.82
—«— animals.....	4,173	16.54
Mature males.....	11,267	83.71
—«— females.....	9,790	83.18
—«— animals.....	21,057	83.46

**Fin-whales.**

Group 1. (55 feet and less).....	570	6.33
„ 2. (56 feet to 65 feet).....	3,294	36.59
„ 3. (above 65 feet).....	5,139	57.08
	9,003	100.00
Immature males.....	1,455	28.93
—«— females.....	1,129	28.41
—«— animals.....	2,584	28.70
Mature males.....	3,574	71.07
—«— females.....	2,845	71.59
—«— animals.....	6,419	71.30

**a. South Georgia and Deception.**

**Blue-whales.**

Group 1. (70 feet and less).....	444	33.79
„ 2. (71 feet to 85 feet).....	692	52.66
„ 3. (above 85 feet).....	178	13.55
	1,314	100.00
Immature males.....	319	45.57
—«— females.....	281	45.77
—«— animals.....	600	45.66
Mature males.....	381	54.43
—«— females.....	333	54.23
—«— animals.....	714	54.34

Table No. 9 (continued).

## Fin-whales.

	Number of whales.	Per cent.
Group 1. (55 feet and less).....	161	9.40
" 2. (56 feet to 65 feet).....	601	35.11
" 3. (above 65 feet).....	950	55.49
	1,712	100.00
Immature males.....	286	35.18
— « — females.....	282	31.37
— « — animals.....	568	33.18
Mature males.....	527	64.82
— « — females.....	617	68.63
— « — animals.....	1,144	66.82

## b. West Antarctic and eastward.

## Blue-whales.

Group 1. (70 feet and less).....	1,714	8.48
" 2. (71 feet to 85 feet).....	15,354	76.01
" 3. (above 85 feet).....	3,133	15.51
	20,201	100.00
Immature males.....	1,759	16.10
— « — females.....	1,567	16.90
— « — animals.....	3,326	16.46
Mature males.....	9,169	83.90
— « — females.....	7,706	83.10
— « — animals.....	16,875	83.54

## Fin-whales.

Group 1. (55 feet and less).....	402	6.66
" 2. (56 feet to 65 feet).....	2,586	42.85
" 3. (above 65 feet).....	3,047	50.49
	6,035	100.00
Immature males.....	1,144	32.71
— « — females.....	825	32.51
— « — animals.....	1,969	32.63
Mature males.....	2,353	67.29
— « — females.....	1,713	67.49
— « — animals.....	4,066	67.37



Table No. 9 (continued).

**c. Ross Sea and westward.**  
**Blue-whales.**

	Number of whales.	Per cent.
Group 1. (70 feet and less).....	118	3.18
„ 2. (71 feet to 85 feet).....	2,754	74.13
„ 3. (above 85 feet).....	843	22.69
	3,715	100.00
Immature males.....	115	6.28
—«— females.....	132	7.01
—«— animals.....	247	6.65
Mature males.....	1,717	93.72
—«— females.....	1,751	92.99
—«— animals.....	3,468	93.35

**Fin-whales.**

Group 1. (55 feet and less).....	7	0.56
„ 2. (56 feet to 65 feet).....	107	8.52
„ 3. (above 65 feet).....	1,142	90.92
	1,256	100.00
Immature males.....	25	3.48
—«— females.....	22	4.10
—«— animals.....	47	3.74
Mature males.....	694	96.52
—«— females.....	515	95.90
—«— animals.....	1,209	96.26

**Table No. 10.—Average production of oil per blue-whale in the season 1930/31 and summer 1931.**

Other whales are reduced to blue-whale equivalents on the following basis:—  
1 blue-whale = 2 fin-whales =  $2\frac{1}{2}$  humpbacks = 6 sei-whales.

Geographical areas.	Company.	Blue-whale equivalents.	Oil production.	
			Total.	Per blue-whale equivalent.
			Barrel = $\frac{1}{6}$ ton. <sup>1)</sup>	Barrel = $\frac{1}{6}$ ton. <sup>1)</sup>
A. South Georgia and Deception..	No. 1	369	39,700	107.6
	„ 2	429	44,241	103.1
	„ 3	390	39,537	101.4
	„ 4	308	30,645	99.5
	„ 5	347.4	33,000	95
	„ 6	378.5	35,221	93.1
Average		—	—	100.07

<sup>1)</sup> 1 ton = 1,016 kg.

Table No. 10 (continued).

Geographical areas.	Company.	Blue-whale equivalents.	Oil production.	
			Total.	Per blue whale equivalent.
			Barrel = $\frac{1}{8}$ ton.	Barrel = $\frac{1}{8}$ ton.
B. <i>West Antarctic, pelagic whaling to 85° à 90° east l. ....</i>	No. 1	752.5	102,600	136.3
	„ 2	767	92,468	120.6
	„ 3	967	115,400	119.3
	„ 4	910	105,489	115.9
	„ 5	637.5	73,837	115.8
	„ 6	865	97,441	112.6
	„ 7	516	58,244	112.9
	„ 8	1,093	122,100	111.7
	„ 9	1,009	112,126	111.1
	„ 10	734	80,530	109.7
	„ 11	451	49,360	109.4
	„ 12	1,120	122,500	109.4
	„ 13	987	105,387	106.8
	„ 14	1,077	114,974	106.8
	„ 15	914	97,040	106.2
	„ 16	611	64,500	105.6
	„ 17	516	54,205	105
	„ 18	312	32,750	105
	„ 19	296	30,916	104.4
	„ 20	1,160	119,600	103.1
	„ 21	768	78,793	102.6
	„ 22	639	65,500	102.5
	„ 23	459	47,020	102.4
	„ 24	1,086	110,000	101.3
	„ 25	1,125	113,393	100.8
	„ 26	638	64,200	100.6
	„ 27	428	42,920	100.3
	„ 28	485	48,617	100.2
	„ 29	874	87,357	100
	„ 30	415.5	41,415	99.7
	„ 31	808	80,600	99.8
	„ 32	830	82,000	98.8
	„ 33	1,178	116,030	98.5
	„ 34	516	48,000	93
	„ 35	385	35,500	92.2
	„ 36	965	85,500	88.6
	„ 37	471	40,000	84.9
	„ 38	226.6	18,000	79.4
Average		—	—	105.61
C. <i>Ross Sea sector .....</i>	No. 1	1,234	117,031	94.8
D. <i>From Ross Sea to 85° à 90° east l. ....</i>	No. 1	1,986	199,190	100.3
	„ 2	1,237	112,000	90.5
	Average		—	—
E. <i>South Africa—Natal—.....</i>	No. 1	388	29,592	76.3
F. <i>North Atlantic and Arctic.....</i> (Pelagic whaling).....	No. 1	91.5	7,369	80.5
	„ 2	204	14,500	71.1
	Average		—	—

Table No. 11.—Whale foetuses.

## 1. Blue-whale foetuses

measured at shore stations in the Southern Seas 1925/26—1929/30.

Date when measured.	Length.		Date when measured.	Length.		Date when measured.	Length.		
	Mother.	Foetus.		Mother.	Foetus.		Mother.	Foetus.	
	Engl. feet.	Engl. feet.		Engl. feet.	Engl. feet.		Engl. feet.	Engl. feet.	
30/9 25	78	1' 10"	2/11 29	90	6' 0"	14/11 27	89	6' 6"	
1/10 28	80	1' 4"	2/11 26	89	1' 8"	" "	86	6' 6"	
3/10 26	87	1' 11"	" 27	90	5' 0"	" "	84	7' 0"	
" "	79	1' 0"	" "	88	3' 0"	" 28	83	2' 6"	
" "	86	1' 3"	" 28	76	1' 6"	" "	86	4' 0"	
4/10 27	85	3' 0"	" 29	67	1' 6"	15/11 26	85	4' 0"	
" "	81	2' 6"	" "	76	3' 6"	" "	78	3' 0"	
7/10 26	86	2' 3"	4/11 27	85	3' 0"	" "	80	4' 2"	
" 27	71	1' 9"	" "	85	3' 0"	" 27	86	5' 0"	
8/10 26	72	1' 0"	" "	89	3' 6"	" "	86	2' 0"	
10/10 25	82	1' 3"	" "	94	3' 0"	" "	86	3' 0"	
" 29	80	2' 6"	" "	85	3' 0"	" "	79	2' 0"	
11/10 25	83	2' 0"	" "	80	2' 0"	" "	80	8' 0"	
14/10 "	80	1' 6"	" "	84	3' 0"	" 28	86	2' 0"	
16/10 26	92	1' 0"	" 29	88	4' 0"	" "	89	3' 0"	
" "	76	0' 11"	" "	75	3' 0"	" "	87	2' 0"	
" 27	86	2' 0"	5/11 25	96	3' 0"	10/11 25	87	6' 0"	
17/10 "	83	3' 6"	" 28	85	5' 0"	" 27	85	3' 0"	
" "	92	4' 0"	" 29	93	4' 0"	" 28	89	7' 0"	
18/10 "	89	4' 5"	" "	86	2' 0"	17/11 27	86	5' 0"	
" "	81	2' 0"	" "	68	0' 3"	" 28	88	7' 0"	
" "	85	4' 6"	6/11 25	71	3' 2"	" 26	91	4' 0"	
19/10 "	91	3' 0"	" 26	72	4' 0"	18/11 26	" "	89	5' 0"
" "	87	4' 0"	" 27	83	5' 0"	" "	86	3' 0"	
20/10 25	85	1' 5"	" "	85	7' 0"	" "	81	2' 2"	
" "	87	2' 1"	" "	84	6' 0"	" 28	88	1' 6"	
" "	83	0' 10"	" 28	87	2' 0"	" "	84	8' 0"	
" 26	80	2' 0"	" 29	71	1' 0"	" 29	88	3' 0"	
" 27	87	4' 5"	7/11 27	84	5' 0"	19/11 26	81	4' 6"	
" "	87	3' 0"	" "	89	3' 0"	" "	85	4' 0"	
21/10 "	83	4' 0"	" "	84	3' 0"	" 27	84	5' 0"	
" "	81	3' 2"	" 28	87	4' 0"	" 28	91	11' 0"	
23/10 26	85	3' 0"	8/11 26	89	3' 6"	20/11 27	85	3' 0"	
" 29	91	3' 6"	" "	89	4' 0"	" "	98	8' 0"	
26/10 26	84	3' 0"	" 27	82	4' 0"	21/11 "	86	1' 4"	
" 27	65	1' 6"	9/11 25	86	2' 0"	" "	83	3' 0"	
27/10 26	85	3' 0"	" 27	83	3' 0"	" "	86	6' 6"	
" "	86	0' 10"	" 28	85	1' 1"	" "	83	5' 0"	
" 27	80	2' 6"	10/11 26	89	3' 6"	" "	85	8' 0"	
" "	86	6' 6"	" 27	82	4' 0"	" "	85	6' 0"	
" "	86	3' 0"	" "	89	4' 6"	" 28	89	3' 0"	
" "	87	5' 0"	" 28	84	3' 6"	" 29	83	2' 6"	
28/10 29	86	0' 11"	11/11 27	85	6' 6"	22/11 27	80	6' 0"	
29/10 26	70	10' 0"	" 28	87	2' 0"	" 28	87	6' 0"	
" "	88	1' 6"	12/11 26	88	1' 6"	" 29	84	6' 0"	
" 27	90	2' 0"	" "	83	3' 0"	23/11 26	83	4' 6"	
" "	91	3' 0"	" 27	86	6' 0"	" "	80	4' 2"	
31/10 "	89	4' 0"	" 28	87	3' 0"	" 27	86	1' 1"	
" "	88	3' 0"	13/11 26	72	12' 0"	" "	89	9' 0"	
1/11 "	89	3' 0"	" "	86	2' 0"	" "	89	3' 0"	
" "	83	2' 0"	" "	89	3' 0"	24/11 25	67	5' 10"	
" 29	91	3' 0"	" 28	90	4' 0"	" 27	84	5' 0"	
2/11 25	81	2' 1"	14/11 26	80	3' 2"	" "	85	4' 0"	
" 27	86	4' 6"	" "	85	3' 6"	" "	70	4' 0"	

Table No. 11 (continued).

Date when measured.	Length.		Date when measured.	Length.		Date when measured.	Length.	
	Mother.	Foetus.		Mother.	Foetus.		Mother.	Foetus.
	Engl. feet.	Engl. feet.		Engl. feet.	Engl. feet.		Engl. feet.	Engl. feet.
24/11 28	88	8' 0"	2/12 29	85	9' 1"	10/12 28	80	7' 0"
" " 29	90	3' 0"	" " 26	88	4' 0"	11/12 26	90	6' 0"
" " 29	84	5' 0"	3/12 26	92	5' 0"	" " 27	89	5' 0"
25/11 26	88	1' 10"	" " "	85	4' 0"	" " 28	69	5' 0"
" " 27	84	3' 0"	" " "	80	6' 0"	" " "	69	5' 0"
" " "	84	3' 0"	" " 29	86	6' 0"	12/12 25	?	4' 0"
" " "	85	2' 0"	" " "	82	5' 6"	" " "	?	10' 0"
" " "	88	6' 0"	4/12 25	?	2' 0"	" " 26	90	6' 8"
" " "	86	9' 0"	" " "	?	4' 0"	" " 27	80	6' 0"
" " "	90	6' 0"	" " "	?	5' 0"	" " "	83	4' 0"
" " 29	90	8' 0"	" " "	90	10' 6"	13/12 26	85	3' 0"
" " "	88	3' 0"	" " 28	93	2' 0"	" " 27	81	3' 0"
20/11 25	?	2' 0"	" " 29	83	4' 0"	" " "	90	8' 0"
" " 27	83	4' 6"	5/12 26	80	6' 4"	" " "	95	7' 0"
" " "	84	6' 0"	" " 27	85	6' 0"	14/12 "	83	4' 0"
" " "	84	8' 0"	" " "	87	5' 0"	" " "	92	7' 0"
" " "	83	6' 6"	" " 28	81	1' 0"	" " "	90	11' 0"
" " "	92	7' 0"	6/12 25	?	4' 0"	" " "	83	6' 0"
" " "	86	4' 0"	" " 26	86	5' 0"	" " "	84	3' 0"
27/11 26	93	6' 0"	" " "	86	3' 0"	" " "	83	8' 0"
" " 27	83	4' 0"	" " 27	90	6' 0"	" " "	85	10' 0"
" " "	77	3' 0"	" " "	90	8' 0"	" " "	82	5' 0"
" " 28	85	6' 0"	" " 29	88	9' 2"	" " 28	86	4' 0"
28/11 27	90	7' 0"	" " "	79	4' 0"	" " "	85	2' 6"
" " "	88	7' 6"	7/12 26	83	5' 0"	" " "	85	5' 0"
" " "	85	8' 0"	" " "	82	3' 0"	" " 29	78	7' 0"
" " "	88	4' 0"	" " "	91	4' 0"	15/12 25	76	5' 6"
" " 28	88	1' 3"	" " "	86	8' 0"	" " "	?	6' 0"
29/11 26	80	4' 9"	" " "	86	2' 0"	" " 26	78	4' 0"
" " "	81	3' 2"	" " 27	86	4' 6"	" " "	83	4' 0"
" " 27	88	6' 0"	" " "	88	5' 0"	" " 27	81	5' 0"
" " "	78	2' 0"	" " "	83	20' 0"	" " "	89	9' 0"
" " "	82	6' 0"	" " "	87	8' 0"	" " 28	85	6' 0"
" " 28	84	3' 0"	" " "	96	8' 0"	16/12 25	?	3' 0"
" " 29	81	6' 6"	" " "	83	5' 0"	" " 26	86	5' 0"
30/11 26	87	5' 0"	" " "	65	2' 0"	" " "	80	5' 0"
" " "	80	4' 5"	" " "	82	6' 0"	" " "	87	1' 6"
" " "	(?) 60	2' 6"	" " 28	85	8' 0"	" " "	85	2' 0"
" " 27	80	6' 0"	" " "	90	14' 0"	" " "	83	3' 0"
" " 28	81	4' 0"	8/12 27	87	10' 0"	" " "	82	10' 0"
" " "	96	8' 0"	" " "	90	6' 0"	" " 27	88	8' 0"
" " "	81	5' 0"	" " "	84	8' 0"	" " "	82	5' 0"
" " 29	87	7' 0"	" " "	85	5' 0"	" " "	90	4' 0"
" " "	81	7' 6"	9/12 25	?	9' 0"	" " 28	84	5' 0"
1/12 27	84	9' 0"	" " 27	90	6' 0"	17/12 25	85	4' 0"
" " "	84	6' 0"	" " "	86	3' 0"	" " "	?	8' 0"
" " 28	66	2' 0"	" " 29	88	7' 0"	" " "	?	4' 0"
" " "	89	8' 0"	" " "	86	7' 6"	" " 26	80	6' 0"
" " "	73	2' 0"	10/12 25	?	4' 0"	" " 27	85	2' 6"
2/12 25	?	1' 0"	" " 26	87	5' 0"	" " "	84	10' 0"
" " "	?	5' 0"	" " "	90	10' 0"	" " 28	82	4' 0"
" " "	?	10' 0"	" " "	82	9' 0"	" " "	93	5' 0"
" " 26	80	6' 4"	" " "	85	4' 0"	" " "	88	6' 0"
" " 27	87	5' 0"	" " "	82	2' 0"	18/12 25	84	4' 3"
" " "	85	11' 0"	" " "	88	7' 0"	" " 26	90	9' 0"
" " "	68	3' 0"	" " 27	84	7' 0"	" " "	87	8' 0"
" " "	80	8' 0"	" " "	86	5' 0"	" " "	88	11' 0"
" " 29	88	3' 0"	" " "	90	3' 0"	" " "	94	8' 0"
" " "	89	1' 0"	" " "	91	5' 0"	" " "	80	6' 0"
" " "	81	3' 0"	" " "	95	3' 0"	" " 29	81	3' 0"

Table No. 11 (continued).

Date when measured.	Length.		Date when measured.	Length.		Date when measured.	Length.	
	Mother.	Foetus.		Mother.	Foetus.		Mother.	Foetus.
	Engl. feet.	Engl. feet.		Engl. feet.	Engl. feet.		Engl. feet.	Engl. feet.
19/12 26	88	5' 0"	31/12 28	82	7' 0"	12/1 29	83	6' 0"
" "	86	4' 0"	" "	79	2' 0"	" 30	94	12' 0"
" "	83	5' 0"	1/1 29	85	5' 0"	14/1 26	?	4' 0"
20/12 "	93	6' 0"	2/1 27	80	6' 7"	" 27	89	10' 0"
" "	86	5' 0"	" 29	73	6' 0"	" 28	89	7' 0"
" "	88	4' 0"	" "	79	5' 0"	15/1 27	82	8' 3"
" "	81	5' 1"	" "	87	3' 0"	" 29	81	4' 0"
" "	81	6' 7"	3/1 27	84	6' 0"	" "	85	6' 0"
" "	83	6' 7"	" "	83	3' 0"	17/1 27	85	6' 0"
" "	82	6' 0"	" 28	89	8' 0"	" 29	80	9' 0"
21/12 27	82	7' 0"	" 29	90	4' 0"	18/1 27	88	10' 0"
" "	93	10' 0"	" "	80	7' 0"	" "	84	5' 0"
" "	81	10' 0"	" "	82	5' 0"	" 29	85	3' 0"
" "	84	11' 0"	4/1 27	81	7' 0"	" "	86	6' 0"
22/12 26	88	6' 0"	" "	88	7' 0"	19/1 27	91	12' 0"
" "	82	6' 7"	" "	89	3' 0"	20/1 26	?	10' 0"
23/12 25	?	5' 0"	" "	82	2' 4"	" 27	93	12' 0"
" 27	81	7' 0"	5/1 "	85	7' 0"	21/1 26	?	15' 0"
" 29	82	3' 6"	" "	88	2' 0"	" 27	82	6' 0"
24/12 25	89	12' 0"	" "	88	8' 0"	" "	78	7' 4"
" 26	82	4' 0"	" "	85	3' 0"	22/1 "	82	7' 0"
" "	90	2' 0"	" 28	81	3' 0"	" "	70	5' 0"
" "	91	5' 0"	" "	74	5' 0"	" "	82	7' 0"
" 27	87	3' 6"	" 30	80	4' 0"	23/1 26	74	5' 6"
" "	79	10' 0"	6/1 26	?	9' 0"	" 27	80	6' 7"
" 28	80	5' 0"	" 29	80	8' 0"	" 29	82	8' 0"
27/12 25	?	7' 0"	" 30	83	2' 6"	" 30	88	9' 6"
" "		7' 0"	7/1 27	85	4' 0"	24/1 27	87	10' 0"
" 26	88	2' 6"	" "	86	5' 0"	" "	82	8' 11"
" "	85	3' 0"	" "	79	4' 0"	25/1 "	90	8' 0"
" 28	78	7' 0"	" "	87	8' 0"	26/1 26	?	11' 0"
" "	94	4' 0"	" "	88	3' 0"	" 27	86	4' 6"
" "	83	9' 0"	" "	81	5' 0"	27/1 26	?	10' 0"
" "	87	10' 0"	" 30	84	12' 0"	" 27	97	4' 0"
" "	88	7' 0"	" "	88	15' 0"	" "	83	6' 0"
28/12 25	?	4' 0"	8/1 26	?	7' 0"	" "	83	12' 0"
" "		4' 0"	" "	?	4' 0"	" "	84	2' 0"
" 81		5' 0"	" 27	85	5' 0"	" 29	86	3' 0"
" 28	87	14' 0"	" "	88	12' 0"	28/1 26	?	17' 0"
" "	85	7' 0"	" "	88	4' 0"	" 27	86	7' 6"
" "	85	5' 0"	" 28	92	9' 0"	29/1 "	88	14' 0"
" "	84	3' 0"	" 29	82	8' 0"	" "	89	4' 0"
" "	86	6' 0"	" "	86	5' 0"	" "	91	15' 0"
29/12 25	?	10' 0"	9/1 26	84	11' 6"	30/1 26	?	15' 0"
" 26	82	2' 0"	" "	85	9' 0"	" 27	83	10' 0"
" "	87	5' 0"	" "	?	9' 0"	" "	78	6' 0"
" "	81	5' 5"	" 27	89	8' 0"	" 29	82	7' 6"
" 28	82	3' 0"	" "	78	3' 0"	31/1 27	90	8' 0"
" "	81	4' 0"	" "	85	6' 0"	" "	80	6' 0"
" "	85	10' 0"	" "	82	7' 6"	" "	90	8' 0"
" 29	86	5' 0"	" 28	90	7' 0"	" "	83	6' 0"
" "	72	7' 0"	" 29	85	4' 0"	" 28	85	2' 3"
30/12 25	?	6' 0"	" "	80	6' 0"	1/2 26	?	19' 0"
" 27	84	8' 6"	10/1 26	?	10' 0"	" 27	85	15' 0"
" "	80	10' 0"	" 27	87	10' 0"	" "	82	6' 0"
31/12 26	96	8' 0"	" "	87	6' 6"	" "	85	6' 0"
" "	86	10' 0"	" "	91	7' 0"	" 29	88	7' 0"
" "	88	15' 0"	" "	92	10' 0"	" 28	81	10' 0"
" 27	89	7' 0"	11/1 "	84	8' 11"	2/2 27	84	14' 0"
" 28	84	8' 0"	12/1 26	?	4' 0"	" "	89	6' 0"

Table No. 11 (continued).

Date when measured.	Length.		Date when measured.	Length.		Date when measured.	Length.	
	Mother.	Foetus.		Mother.	Foetus.		Mother.	Foetus.
	Engl. feet.	Engl. feet.		Engl. feet.	Engl. feet.		Engl. feet.	Engl. feet.
$\frac{3}{2}$ 27	90	16' 0"	$\frac{24}{2}$ 29	83	9' 0"	$\frac{14}{3}$ 27	89	7' 0"
" "	94	8' 0"	$\frac{26}{2}$ "	81	8' 6"	$\frac{15}{3}$ "	90	13' 0"
" 28	83	18' 0"	$\frac{28}{2}$ 27	90	12' 0"	$\frac{17}{3}$ 28	93	20' 0"
$\frac{4}{2}$ 27	91	12' 0"	" "	73	7' 4"	$\frac{19}{3}$ 27	87	5' 0"
" "	86	10' 0"	$\frac{3}{3}$ "	87	18' 0"	" "	85	12' 0"
$\frac{6}{2}$ 26	93	8' 6"	" "	92	8' 0"	" "	80	20' 0"
$\frac{8}{2}$ 27	94	7' 0"	" "	93	20' 0"	$\frac{20}{3}$ 26	86	21' 0"
" "	89	2' 0"	$\frac{4}{3}$ "	88	22' 0"	" "	96	13' 0"
$\frac{9}{2}$ "	82	8' 0"	" "	90	20' 0"	$\frac{22}{3}$ 27	88	15' 0"
$\frac{13}{2}$ 26	?	18' 0"	" "	88	15' 0"	" "	81	19' 0"
" 28	89	10' 0"	$\frac{7}{3}$ "	84	12' 0"	$\frac{26}{3}$ 28	84	22' 0"
$\frac{14}{2}$ 26	84	11' 0"	$\frac{8}{3}$ "	88	12' 0"	$\frac{28}{3}$ "	65	15' 0"
" 27	91	15' 0"	" "	?	18' 0"	$\frac{30}{3}$ 27	82	8' 0"
" "	81	15' 8"	" "	81	14' 0"	$\frac{31}{3}$ 26	?	19' 0"
$\frac{15}{2}$ "	82	10' 0"	" "	86	12' 0"	" 27	85	14' 0"
" "	85	18' 0"	" "	76	10' 0"	" "	89	22' 0"
$\frac{21}{2}$ 28	96	17' 0"	$\frac{11}{3}$ "	89	12' 0"	$\frac{6}{4}$ 26	?	24' 0"
$\frac{22}{2}$ 27	88	18' 0"	" 30	79	13' 0"	$\frac{7}{4}$ 28	85	15' 0"
" "	68	8' 0"	$\frac{12}{3}$ 27	84	18' 0"	$\frac{17}{4}$ 26	85	19' 0"
$\frac{24}{2}$ "	87	15' 0"	" "	80	15' 0"	$\frac{20}{4}$ "	?	8' 0"
" "	72	11' 6"	" 29	87	9' 0"			
" "	89	15' 0"	$\frac{13}{3}$ 27	80	17' 0"			

Total 586 blue-whale foetuses, of which 3 twin-foetuses.

## 2. Fin-whale foetuses

measured at shore stations in the Southern Seas 1925/26—1929/30.

$\frac{13}{9}$ 28	66	1' 0"	$\frac{5}{10}$ 28	79	3' 0"	$\frac{10}{10}$ 28	71	2' 0"
$\frac{23}{9}$ 29	75	1' 6"	$\frac{6}{10}$ 27	71	3' 0"	" "	69	2' 6"
$\frac{25}{9}$ "	73	0' 10"	" "	71	2' 0"	" "	70	4' 0"
" "	74	2' 7"	" "	78	3' 0"	" "	72	2' 0"
$\frac{28}{9}$ 28	64	1' 6"	" 28	74	2' 0"	$\frac{11}{10}$ 25	74	3' 0"
$\frac{28}{9}$ "	67	0' 9 $\frac{1}{2}$ "	" "	70	2' 3"	" 28	74	0' 4"
" 29	68	1' 6"	" "	70	1' 1 $\frac{1}{2}$ "	" "	78	4' 6"
$\frac{30}{9}$ "	77	2' 0"	$\frac{7}{10}$ "	72	3' 0"	" "	77	5' 0"
" "	73	1' 0"	" "	73	2' 6"	$\frac{13}{10}$ "	69	1' 6"
" "	74	1' 0"	" "	71	3' 0"	" "	72	2' 0"
" "	70	2' 0"	" "	70	1' 1"	$\frac{14}{10}$ 29	65	1' 0"
$\frac{1}{10}$ 28	74	2' 6"	" "	72	3' 0"	$\frac{15}{10}$ 28	74	2' 0"
" "	74	4' 0"	" "	75	1' 6"	" "	73	1' 6"
" 29	74	2' 0"	" "	77	4' 0"	" "	74	1' 8"
$\frac{2}{10}$ 28	65	0' 8"	" "	80	4' 0"	$\frac{18}{10}$ "	70	1' 5"
$\frac{3}{10}$ "	75	4' 0"	" "	74	3' 0"	" "	76	3' 0"
" 29	70	4' 0"	$\frac{8}{10}$ 27	75	4' 0"	" "	73	2' 0"
$\frac{4}{10}$ 27	74	2' 0"	" "	75	3' 0"	$\frac{17}{10}$ 27	66	2' 0"
" 28	77	4' 0"	" 28	73	1' 0"	" 28	78	2' 0"
" "	69	1' 6"	" "	78	1' 0"	" 29	75	5' 0"
$\frac{5}{10}$ 27	69	2' 8"	" "	71	2' 0"	" "	70	0' 3"
" "	80	3' 0"	" "	73	4' 0"	" "	65	1' 1"
" 28	70	1' 9"	" 29	75	1' 1"	" "	78	0' 5"
" "	70	4' 0"	$\frac{9}{10}$ 27	74	1' 4"	$\frac{18}{10}$ 27	78	7' 0"
" "	76	2' 6"	" 28	74	2' 0"	" 28	70	1' 10"
" "	71	1' 3"	" "	75	1' 10"	" "	74	3' 0"
" "	76	4' 0"	" "	75	1' 10"	" "	73	2' 0"

Table No. 11 (continued).

Date when measured.	Length.		Date when measured.	Length.		Date when measured.	Length.	
	Mother.	Foetus.		Mother.	Foetus.		Mother.	Foetus.
	Engl. feet.	Engl. feet.		Engl. feet.	Engl. feet.		Engl. feet.	Engl. feet.
18/10 29	63	3' 0"	4/11 29	74	3' 0"	16/11 29	69	3' 6"
" "	70	1' 1"	5/11 25	75	2' 7"	17/11 26	69	2' 3"
19/10 27	71	8' 0"	" "	68	2' 3"	" 27	74	5' 6"
" "	72	3' 0"	" "	73	4' 0"	" "	74	4' 6"
" 28	73	4' 0"	" "	76	6' 0"	" "	77	4' 0"
" "	66	2' 0"	" 28	73	4' 0"	18/11 28	73	5' 0"
20/10 27	74	4' 0"	" "	71	4' 0"	19/11 25	68	1' 4"
" 28	66	2' 1"	" 29	71	4' 0"	" 26	70	6' 0"
" "	73	3' 0"	" "	74	2' 6"	" "	72	2' 0"
" 29	72	1' 0"	" "	75	4' 0"	" 27	77	1' 0"
" "	73	1' 2"	" "	70	2' 6"	" 28	76	2' 6"
" "	74	1' 9"	" "	75	4' 6"	" 29	69	4' 0"
22/10 29	68	3' 0"	" "	69	0' 2"	20/11 26	72	1' 6"
23/10 28	70	1' 4"	" "	70	1' 0"	" "	71	2' 10"
24/10 28	65	4' 0"	" "	65	2' 6"	21/11 25	74	4' 0"
" "	73	0' 11"	6/11 27	78	5' 0"	" 27	75	2' 0"
" "	74	3' 0"	7/11 28	71	5' 0"	" 29	68	3' 0"
" "	74	3' 0"	" "	75	2' 0"	" "	68	6' 0"
26/10 25	68	0' 2 1/2"	" "	72	3' 6"	22/11 26	74	4' 0"
" "	79	3' 0"	" 29	73	5' 4"	" "	72	2' 0"
" 27	67	4' 0"	8/11 "	71	4' 6"	23/11 28	73	5' 0"
" 29	66	2' 0"	9/11 "	73	4' 6"	24/11 26	75	3' 0"
27/10 28	75	2' 0"	9/11 27	73	6' 0"	" 28	67	3' 0"
" "	70	3' 0"	10/11 29	69	6' 0"	25/11 29	73	5' 6"
" 29	65	1' 0"	10/11 26	78	4' 0"	" "	73	2' 0"
28/10 26	72	1' 0"	11/11 27	77	9' 0"	" "	78	5' 0"
" 27	73	4' 0"	" 28	71	1' 4"	" "	72	3' 6"
" 29	75	3' 0"	" "	67	3' 0"	" "	71	2' 6"
" "	72	5' 0"	" "	75	7' 0"	26/11 "	73	1' 2"
" "	69	2' 0"	" 29	68	2' 0"	" "	67	0' 8"
" "	75	1' 1"	12/11 26	74	2' 0"	27/11 28	76	2' 0"
29/10 25	74	1' 10"	" 27	73	3' 0"	" 29	73	4' 0"
" 28	73	5' 0"	" 28	75	4' 0"	" "	70	4' 0"
" 29	77	0' 6"	14/11 26	73	2' 0"	" "	70	1' 6"
" "	70	2' 6"	" "	73	2' 0"	28/11 28	65	8' 0"
30/10 26	70	2' 0"	" 28	74	5' 0"	" "	74	5' 6"
" 28	75	5' 0"	15/11 26	74	6' 0"	" 29	77	7' 0"
" "	71	1' 3"	" "	73	5' 0"	20/11 28	71	0' 10"
" "	74	4' 0"	" "	76	2' 0"	" 29	77	5' 0"
31/10 27	73	2' 6"	" "	76	3' 0"	" "	72	0' 7"
" "	68	0' 9"	" 27	67	3' 0"	" "	75	6' 0"
" "	74	3' 0"	" "	67	2' 0"	" "	72	3' 0"
" "	76	2' 0"	" 28	70	3' 0"	" "	65	5' 6"
" "	75	2' 6"	" "	67	3' 0"	30/11 25	79	6' 0"
1/11 28	75	3' 0"	" 29	72	3' 0"	" 29	73	5' 0"
" "	78	4' 0"	16/11 25	74	2' 0"	1/12 28	73	2' 0"
" "	72	2' 6"	" "	71	2' 7"	" 29	74	3' 0"
" "	67	3' 0"	" "	72	2' 3"	" "	71	7' 0"
" "	64	0' 10"	" 26	76	4' 0"	3/12 26	73	7' 0"
2/11 25	74	3' 0"	" "	76	5' 0"	" "	76	3' 0"
" 29	74	2' 0"	" 27	63	1' 0"	" 27	68	3' 0"
3/11 26	77	2' 5"	" "	72	6' 0"	" 29	72	1' 1"
" "	69	1' 3"	" 28	78	6' 0"	" "	65	2' 0"
" 27	67	4' 0"	" "	67	0' 7"	4/12 27	71	6' 0"
" "	74	3' 0"	" "	77	4' 0"	" 28	75	9' 0"
" 28	64	1' 0"	" 29	77	5' 0"	" 29	65	5' 0"
" "	74	0' 6"	" "	74	3' 6"	5/12 26	67	1' 7"
" "	70	4' 6"	" "	71	0' 5"	6/12 29	75	8' 0"
4/11 27	76	5' 6"	" "	72	3' 6"	7/12 27	75	2' 0"
" 29	75	3' 0"	" "	73	1' 6"	" "	74	4' 0"

Table No. 11 (continued).

Date when measured.	Length.		Date when measured.	Length.		Date when measured.	Length.	
	Mother.	Foetus.		Mother.	Foetus.		Mother.	Foetus.
	Engl. feet.	Engl. feet.		Engl. feet.	Engl. feet.		Engl. feet.	Engl. feet.
7/12 27	76	6' 0"	17/12 25	70	5' 0"	22/12 27	75	9' 0"
" 28	71	1' 2"	" 26	70	5' 0"	" 28	75	12' 0"
" 29	64	2' 6"	" "	68	3' 0"	" "	79	5' 6"
" "	67	4' 0"	" "	73	6' 0"	" "	75	9' 0"
" "	57	2' 0"	" 27	70	5' 0"	" "	74	7' 0"
9/12 26	74	5' 0"	" 28	74	3' 0"	" 29	63	2' 0"
" 29	74	6' 0"	" "	74	5' 0"	23/12 25	72	0' 9"
" "	72	2' 3"	" "	74	10' 0"	" "	76	6' 3"
" "	71	5' 6"	" "	68	8' 0"	" "	68	5' 6"
" "	72	4' 6"	" 29	75	9' 0"	" 29	70	3' 0"
" "	74	5' 6"	" "	71	6' 6"	" "	62	2' 0"
10/12 26	72	4' 0"	" "	68	3' 6"	" "	69	3' 0"
" 27	74	3' 0"	" "	72	5' 6"	24/12 25	74	5' 0"
" 28	70	6' 6"	" "	73	7' 0"	" "	?	4' 0"
" "	73	4' 0"	18/12 25	70	2' 9"	" 28	65	1' 0"
" "	77	8' 0"	" "	68	5' 1"	" "	66	2' 0"
" 29	74	1' 4"	" "	70	2' 4"	" "	73	10' 0"
" "	66	1' 0"	" "	62	0' 7"	" "	70	5' 0"
11/12 27	73	4' 0"	" "	73	6' 0"	" "	75	2' 0"
" 29	73	5' 0"	" "	75	7' 0"	" 29	63	3' 0"
" "	73	6' 0"	" "	77	7' 0"	" "	70	1' 0"
" "	64	4' 0"	" 26	71	4' 0"	" "	68	6' 0"
" "	68	3' 6"	" "	73	5' 0"	" "	73	2' 6"
" "	74	8' 0"	" 28	72	5' 0"	" "	66	3' 0"
12/12 26	73	3' 0"	" 29	70	8' 0"	" "	63	2' 6"
" 27	78	4' 0"	" "	68	9' 0"	" "	73	8' 6"
" 28	70	3' 0"	" "	68	8' 0"	" "	68	6' 0"
" "	75	7' 0"	19/12 25	71	2' 4"	26/12 27	70	7' 6"
" 29	64	3' 0"	" "	80	1' 7"	27/12 27	65	4' 0"
13/12 25	69	7' 0"	" "	71	7' 0"	" "	71	5' 0"
" 26	67	7' 6"	" "	72	7' 0"	" "	80	10' 0"
" "	72	3' 0"	" "	?	8' 0"	" 28	74	8' 0"
" 27	78	9' 0"	" 29	70	4' 0"	" "	63	6' 0"
" "	74	3' 0"	" "	73	3' 6"	" "	73	2' 0"
" 29	65	7' 0"	" "	60	0' 9"	" 29	74	3' 0"
" "	68	6' 0"	" "	74	6' 0"	" "	67	3' 0"
14/12 25	70	3' 0"	20/12 25	69	1' 3"	" "	67	2' 6"
" 27	71	6' 0"	" "	67	2' 8"	" "	70	3' 0"
" 29	75	6' 9"	" "	71	6' 0"	25/12 28	76	7' 0"
15/12 25	74	3' 0"	" 26	72	4' 9"	" "	71	2' 0"
" "	70	18' 0"	" 28	69	0' 10"	" "	66	3' 0"
" "	80	5' 0"	" "	65	4' 0"	" 29	67	6' 0"
" 26	75	5' 0"	" 29	64	2' 6"	" "	70	7' 0"
" "	74	4' 0"	21/12 25	73	4' 6"	" "	66	2' 9"
" "	70	4' 9"	" 27	74	1' 5"	29/12 25	70	9' 3"
" 28	74	4' 0"	" "	72	9' 0"	" 27	76	5' 0"
" "	77	4' 0"	" 28	65	1' 2"	" "	69	5' 0"
" "	74	7' 0"	" "	74	5' 0"	30/12 27	62	3' 0"
" "	72	2' 0"	" "	78	6' 0"	" "	72	4' 0"
" "	70	2' 0"	" "	79	8' 0"	" "	74	1' 0"
" 29	65	3' 0"	" "	75	5' 0"	" 29	75	6' 0"
" "	70	6' 0"	" "	75	8' 0"	" "	6' 0"	6' 0"
16/12 27	76	7' 0"	" 29	71	3' 0"	" "	66	5' 6"
" "	78	11' 0"	" "	71	5' 0"	31/12 25	68	10' 0"
" "	73	3' 0"	" "	72	6' 0"	" 27	80	10' 0"
" 28	70	4' 0"	" "	67	5' 6"	2/1 30	73	4' 6"
" "	63	3' 0"	" "	73	5' 9"	" "	70	4' 0"
" 29	71	6' 0"	23/12 25	74	9' 0"	3/1 26	?	3' 0"
" "	68	2' 6"	" "	75	5' 0"	" 30	65	2' 0"
" "	69	5' 0"	" 27	78	3' 0"	" "	66	8' 6"



Table No. 11 (continued).

Date when measured.	Length.		Date when measured.	Length.		Date when measured.	Length.	
	Mother.	Foetus.		Mother.	Foetus.		Mother.	Foetus.
	Engl. feet.	Engl. feet.		Engl. feet.	Engl. feet.		Engl. feet.	Engl. feet.
<sup>3</sup> / <sub>1</sub> 30	72	4' 0"	<sup>8</sup> / <sub>1</sub> 30	64	6' 0"	<sup>12</sup> / <sub>1</sub> 30	67	5' 0"
" "	76	3' 0"	" "	69	10' 0"	<sup>13</sup> / <sub>1</sub> 26	76	6' 9"
<sup>4</sup> / <sub>1</sub> 26	67	5' 8"	" "	75	8' 0"	" "	?	4' 0"
" "	77	3' 0"	" "	63	2' 0"	" "	?	9' 0"
" 29	76	14' 0"	" "	76	6' 6"	" 28	85	6' 0"
" "	75	10' 0"	" "	71	7' 9"	" 29	71	7' 0"
" 30	65	4' 0"	" "	67	2' 0"	" "	70	9' 0"
<sup>5</sup> / <sub>1</sub> 26	77	9' 0"	<sup>9</sup> / <sub>1</sub> 26	?	10' 0"	" "	79	5' 0"
" "	69	4' 10"	" 27	70	1' 7"	" "	72	10' 0"
" "	?	5' 0"	" "	73	5' 0"	" "	73	12' 0"
" "	70	3' 0"	" 30	77	6' 0"	" "	68	3' 0"
" 27	72	6' 0"	" "	70	6' 0"	" "	72	6' 0"
" "	76	8' 0"	" "	80	5' 0"	" "	77	6' 0"
" 28	79	12' 0"	" "	71	7' 0"	" "	70	9' 0"
" 29	74	12' 0"	" "	71	8' 0"	" "	73	6' 0"
" "	77	14' 0"	" "	73	2' 0"	" "	78	6' 0"
" "	79	15' 0"	" "	74	5' 0"	" "	67	6' 0"
" "	73	7' 0"	<sup>10</sup> / <sub>1</sub> 26	76	8' 0"	" "	72	6' 0"
" 30	72	9' 0"	" 27	67	5' 9"	" "	68	2' 0"
" "	65	10' 0"	" "	75	5' 9"	" "	74	10' 0"
" "	67	4' 0"	" 28	65	2' 0"	" "	69	1' 0"
" "	75	4' 0"	" "	77	12' 0"	" "	70	4' 0"
" "	69	6' 0"	" 29	78	9' 0"	" 30	82	13' 0"
" "	73	3' 6"	" "	70	6' 0"	" "	68	9' 0"
" "	72	3' 0"	" "	67	12' 0"	" "	70	10' 0"
<sup>6</sup> / <sub>1</sub> 26	75	6' 0"	" "	71	10' 0"	" "	66	8' 0"
" "	?	6' 0"	" 30	67	4' 0"	" "	75	9' 0"
" 27	78	7' 0"	" "	72	9' 0"	" "	73	10' 0"
" 29	76	8' 0"	" "	66	4' 0"	" "	72	7' 0"
" 30	66	5' 0"	" "	65	6' 0"	<sup>14</sup> / <sub>1</sub> 26	74	7' 6"
" "	65	9' 0"	" "	73	12' 0"	" 28	73	8' 0"
" "	70	4' 0"	<sup>11</sup> / <sub>1</sub> 26	76	3' 6"	" "	62	5' 0"
" "	67	10' 0"	" "	72	4' 3"	" 29	70	10' 0"
" "	64	6' 0"	" "	74	7' 6"	" "	72	8' 0"
" "	64	2' 0"	" 28	79	7' 0"	" 30	68	1' 0"
" "	63	5' 0"	" 30	72	4' 0"	" "	67	10' 0"
" "	70	1' 0"	" "	64	4' 0"	" "	67	5' 0"
" "	65	9' 6"	" "	71	7' 0"	<sup>15</sup> / <sub>1</sub> 26	65	6' 10"
" "	71	3' 0"	<sup>12</sup> / <sub>1</sub> 26	65	6' 3"	" "	76	8' 3"
" "	68	4' 0"	" "	70	7' 0"	" "	77	7' 0"
<sup>7</sup> / <sub>1</sub> 26	70	8' 0"	" "	70	4' 0"	" 29	71	13' 0"
" "	?	7' 0"	" "	70	4' 3"	" "	68	7' 0"
" "	?	2' 0"	" "	75	10' 0"	" 30	66	6' 6"
" 28	77	7' 0"	" "	?	9' 0"	" "	69	10' 0"
" "	75	5' 0"	" "	?	9' 0"	" "	67	5' 0"
" 29	74	4' 0"	" 28	80	10' 0"	<sup>16</sup> / <sub>1</sub> 26	73	3' 0"
" 30	72	11' 0"	" "	71	10' 0"	" "	73	11' 0"
" "	64	0' 9"	" "	74	12' 0"	<sup>17</sup> / <sub>1</sub> 26	75	9' 0"
" "	65	5' 0"	" "	74	13' 0"	" 28	80	18' 0"
" "	70	7' 0"	" 29	68	2' 0"	" 29	77	9' 0"
" "	79	6' 0"	" "	76	14' 0"	" "	66	2' 0"
" "	78	4' 0"	" "	76	10' 0"	" 30	64	5' 6"
" "	?	4' 0"	" 30	69	7' 0"	" "	65	7' 0"
<sup>8</sup> / <sub>1</sub> 26	?	6' 0"	" "	64	0' 9"	" "	67	2' 0"
" 29	73	5' 0"	" "	73	10' 0"	<sup>18</sup> / <sub>1</sub> 26	?	8' 0"
" "	68	10' 0"	" "	67	4' 0"	" 27	74	5' 9"
" 30	76	6' 0"	" "	61	5' 0"	" 29	65	7' 0"
" "	65	4' 6"	" "	68	6' 0"	" "	74	3' 0"
" "	74	9' 0"	" "	72	3' 0"	" "	79	7' 0"
" "	68	10' 0"	" "	73	10' 0"	<sup>19</sup> / <sub>1</sub> 26	66	9' 10"

Table No. 11 (continued).

Date when measured.	Length.		Date when measured.	Length.		Date when measured.	Length.	
	Mother.	Foetus.		Mother.	Foetus.		Mother.	Foetus.
	Engl. feet.	Engl. feet.		Engl. feet.	Engl. feet.		Engl. feet.	Engl. feet.
19/1 26	70	11' 0"	26/1 26	77	11' 6"	1/2 29	77	10' 0"
" "	73	11' 0"	" "	?	3' 0"	" 30	77	7' 0"
" "	?	4' 0"	" 28	70	8' 0"	2/2 26	?	4' 0"
" "	?	6' 0"	" "	75	3' 0"	" "	?	6' 0"
" "	74	4' 0"	" 29	70	4' 0"	" "	?	9' 0"
" 29	69	5' 0"	" 30	69	8' 0"	" 27	76	4' 0"
" 30	64	2' 0"	" "	65	3' 0"	" "	72	5' 0"
20/1 26	76	3' 3"	" "	73	12' 0"	" 29	76	4' 0"
" "	70	0' 4"	" "	73	8' 0"	" 30	63	8' 8"
" "	?	8' 0"	27/1 26	75	12' 0"	" "	65	7' 0"
" 29	68	8' 0"	" 29	65	6' 0"	" "	64	13' 0"
" 30	76	11' 0"	" 30	74	0' 6"	3/2 26	74	11' 0"
21/1 26	72	4' 0"	" "	78	4' 0"	" "	71	9' 6"
" "	74	7' 6"	" "	70	3' 6"	" "	77	7' 0"
" "	?	12' 0"	28/1 26	73	4' 6"	" 27	76	8' 0"
" 27	64	7' 4"	" "	77	3' 10"	" "	73	6' 0"
" "	59	6' 4"	" "	70	3' 6"	" 29	68	4' 0"
" "	67	7' 4"	" "	78	13' 0"	" "	69	2' 6"
" 29	76	7' 0"	" "	73	8' 0"	" "	72	8' 0"
" "	68	6' 0"	" 27	72	8' 0"	" 30	68	10' 0"
" "	74	3' 0"	" 29	67	6' 0"	" "	75	6' 6"
" "	71	9' 0"	" 30	70	5' 0"	4/2 26	70	5' 6"
" "	73	10' 0"	" "	67	10' 0"	" "	69	10' 0"
" "	68	6' 0"	" "	70	0' 6"	" 28	70	8' 0"
" "	76	6' 0"	" "	68	4' 0"	" "	72	8' 0"
" 30	70	7' 0"	" "	75	8' 0"	5/2 26	72	9' 0"
" "	67	5' 0"	" "	64	10' 0"	" "	79	3' 0"
22/1 29	68	8' 6"	" "	73	12' 6"	6/2 28	76	15' 0"
" "	78	5' 0"	" "	72	6' 0"	" 29	60	6' 0"
" "	76	9' 0"	" "	63	6' 0"	" 30	69	12' 6"
" 30	66	0' 8"	28/1 26	?	4' 0"	" "	68	7' 0"
23/1 28	68	1' 6"	" 27	73	4' 0"	7/2 26	74	12' 0"
" 29	70	8' 0"	" 29	63	6' 0"	" "	73	9' 0"
" "	69	5' 6"	" 30	64	7' 0"	" "	67	10' 0"
" "	71	4' 0"	" "	64	6' 6"	" "	65	4' 6"
" 30	71	9' 0"	" "	67	4' 0"	" "	79	6' 0"
24/1 26	70	8' 0"	" "	71	6' 0"	" 29	79	18' 0"
" 28	65	3' 0"	30/1 26	75	9' 3"	" "	73	8' 0"
" "	60	4' 0"	" 28	75	6' 0"	" "	82	7' 0"
" 29	67	3' 0"	" 29	78	1' 0"	" "	73	5' 0"
" "	68	4' 0"	" "	68	6' 0"	" "	70	4' 0"
" 30	67	8' 0"	" "	61	3' 0"	" "	75	3' 0"
" "	65	6' 0"	" 30	71	8' 0"	8/2 26	?	6' 0"
" "	67	5' 0"	" "	69	3' 0"	" "	?	6' 0"
" "	80	3' 6"	" "	69	14' 0"	" 29	62	8' 0"
" "	70	10' 0"	" "	70	5' 0"	" "	72	9' 0"
" "	70	10' 0"	" "	72	11' 0"	9/2 26	70	3' 6"
" "	75	5' 0"	" "	73	11' 0"	" 27	69	8' 0"
" "	72	7' 0"	31/1 26	70	7' 0"	" 29	70	1' 0"
25/1 26	75	10' 8'	" "	72	8' 0"	" "	67	6' 0"
" "	62	6' 0"	" "	?	12' 0"	" "	61	5' 0"
" "	?	4' 0"	" 27	75	7' 0"	10/2 28	75	10' 0"
" "	?	10' 0"	" 29	60	6' 0"	" 29	70	8' 0"
" 28	74	6' 0"	" 30	68	6' 0"	11/2 26	71	14' 6"
" "	69	4' 0"	" "	70	11' 0"	" "	69	6' 0"
" "	73	12' 0"	" "	75	1' 6"	" "	79	18' 0"
" 29	70	8' 0"	1/2 27	72	8' 0"	" 29	72	14' 0"
" "	70	5' 0"	" 28	75	12' 0"	" "	67	8' 0"
" 30	73	11' 0"	" "	70	15' 0"	12/2 26	79	12' 0"
" "	69	13' 0"	" 29	78	5' 0"	" "	78	4' 0"

Table No. 11 (continued).

Date when measured.	Length.		Date when measured.	Length.		Date when measured.	Length.	
	Mother.	Foetus.		Mother.	Foetus.		Mother.	Foetus.
	Engl. feet	Engl. feet.		Engl. feet.	Engl. feet.		Engl. feet.	Engl. feet.
12/2 28	72	12' 0"	4/8 26	?	10' 0"	24/8 26	73	10' 0"
" 29	67	8' 0"	" "	?	12' 0"	" "	79	20' 0"
13/2 26	68	4' 6"	" 30	65	8' 0"	" 27	67	9' 3"
14/2 "	?	4' 0"	" "	72	7' 6"	25/3 28	73	8' 0"
" 30	71	9' 0"	5/8 26	72	11' 0"	" 30	72	18' 0"
15/2 26	68	14' 6"	" "	?	11' 0"	" "	69	7' 0"
" "	73	16' 6"	6/8 "	75	10' 0"	26/8 26	75	9' 0"
" 30	75	4' 0"	7/8 27	75	11' 0"	" "	?	18' 0"
16/2 26	69	12' 6"	" 30	63	13' 0"	27/8 "	74	20' 0"
" "	74	15' 0"	8/8 26	70	10' 0"	28/8 27	74	10' 0"
" 29	66	4' 0"	" 28	75	10' 0"	29/8 26	69	8' 11"
" 30	65	10' 0"	" "	67	15' 0"	" "	73	10' 0"
17/2 26	68	12' 0"	" "	74	10' 0"	" 27	73	8' 0"
18/2 29	70	9' 0"	" "	68	12' 0"	" 28	75	10' 0"
" "	70	6' 0"	10/8 27	76	8' 0"	30/8 26	72	20' 0"
" "	69	13' 0"	" "	75	10' 0"	" "	71	11' 0"
" "	69	2' 0"	" "	82	12' 0"	" "	75	11' 0"
" 30	68	7' 0"	" "	78	15' 0"	" 28	75	11' 0"
" "	71	7' 0"	" "	78	12' 0"	" 30	66	12' 0"
" "	72	10' 0"	11/8 27	69	16' 0"	31/8 26	72	5' 0"
19/2 26	69	8' 0"	" 30	72	5' 0"	" 28	72	19' 0"
" "	78	15' 0"	" "	78	2' 0"	" 30	77	8' 0"
" 29	74	7' 0"	" "	72	14' 6"	8/4 26	70	12' 6"
" 30	68	6' 0"	" "	70	12' 0"	" "	?	7' 0"
20/2 26	76	1' 6"	12/8 26	71	13' 0"	4/4 28	60	12' 0"
21/2 "	75	5' 0"	" "	?	8' 0"	6/4 29	74	10' 0"
" "	68	4' 0"	" 29	70	12' 0"	8/4 26	76	15' 0"
22/2 "	71	9' 3"	13/8 26	?	16' 0"	11/4 "	65	17' 0"
" "	71	15' 0"	" "	13' 0"	9' 0"	12/4 "	69	8' 6"
" 27	73	12' 0"	" 30	75	9' 0"	" "	69	9' 0"
" "	71	7' 8"	14/8 28	68	8' 0"	" 27	77	6' 0"
23/2 29	66	7' 0"	" 30	64	16' 0"	13/4 26	75	12' 0"
25/2 26	77	15' 0"	15/8 26	68	12' 6"	" 27	75	16' 0"
" "	72	18' 0"	" 29	65	12' 0"	" "	76	10' 0"
" 29	74	8' 0"	" "	80	15' 0"	" "	75	15' 0"
" 30	71	9' 0"	16/8 27	76	6' 0"	14/4 26	75	18' 0"
26/2 29	75	13' 0"	" 29	69	9' 0"	" 28	75	5' 0"
" 30	63	9' 0"	17/8 26	?	12' 0"	15/4 "	70	10' 0"
27/2 26	81	12' 0"	" 28	64	10' 0"	16/4 26	76	18' 0"
" "	75	11' 0"	" 30	66	11' 0"	19/4 "	75	6' 0"
" "	67	10' 0"	" "	68	11' 0"	" "	70	18' 0"
" 27	74	11' 0"	" "	76	6' 0"	" "	71	16' 0"
" 28	71	6' 0"	18/8 26	71	14' 6"	20/4 "	77	20' 0"
" 30	71	5' 6"	" "	?	5' 0"	" 27	70	16' 0"
" "	71	10' 0"	" 29	68	10' 6"	21/4 28	73	6' 0"
" "	67	10' 0"	" 30	67	4' 0"	22/4 26	78	7' 0"
" "	70	4' 0"	19/8 27	74	15' 0"	" 27	68	10' 0"
28/2 26	68	15' 0"	" 28	67	8' 0"	24/4 26	58	13' 0"
" 29	72	18' 0"	" 29	83	14' 0"	" "	71	22' 0"
" 30	70	2' 0"	" 30	68	11' 0"	26/4 "	70	11' 0"
1/8 26	71	4' 6"	20/8 26	72	4' 0"	" 27	72	18' 0"
2/8 "	78	17' 0"	" 29	71	14' 0"	27/4 26	70	17' 0"
" "	72	0' 8"	22/8 26	70	15' 6"	28/4 "	70	4' 0"
3/8 "	74	14' 6"	" 29	77	10' 0"	30/4 "	72	15' 0"
" "	66	13' 0"	" "	?	12' 0"	3/5 "	63	6' 0"
" "	69	8' 0"	25/8 27	67	9' 3"	6/5 "	69	13' 0"
" 27	76	14' 0"	" 29	66	4' 0"	7/5 "	76	11' 0"
4/8 26	75	11' 0"	24/8 26	69	16' 0"	10/5 "	76	9' 0"

Total 975 fin-whale foetuses, of which 8 twin-foetuses.

Table No. 11 (continued).

**3. - Fin-whale foetuses**  
measured at shore stations in the Northern Seas 1927-1930.

Date when measured.	Length.		Date when measured.	Length.		Date when measured.	Length.	
	Mother.	Foetus.		Mother.	Foetus.		Mother.	Foetus.
	Engl. feet.	Engl. feet.		Engl. feet.	Engl. feet.		Engl. feet.	Engl. feet.
1/2 28	70	1' 0"	12/6 28	67	4' 0"	20/7 27	69	6' 0"
12/2 27	75	1' 6"	18/6 27	61	7' 0"	" "	69	3' 0"
19/2 27	66	18' 0"	" 28	62	2' 5"	" "	60	3' 0"
22/2 28	70	2' 0"	14/6 27	66	3' 0"	22/7 28	69	10' 0"
24/2 27	70	1' 1"	15/6 27	70	4' 0"	23/7 27	68	4' 0"
26/2 27	69	0' 5"	" 28	66	4' 6"	24/7 27	71	5' 0"
1/3 28	68	1' 10"	16/6 27	52	4' 6"	25/7 28	66	5' 0"
2/3 28	69	1' 3"	" 30	58	2' 6"	" 30	67	10' 0"
10/3 28	67	13' 6"	17/6 28	63	6' 6"	26/7 27	67	3' 0"
26/3 28	71	1' 3"	" 29	62	3' 0"	" 28	63	8' 0"
21/4 30	66	3' 0"	19/6 28	63	2' 6"	27/7 27	66	5' 0"
12/5 28	69	3' 0"	" "	71	6' 0"	" 30	65	12' 0"
14/5 29	70	18' 0"	" 30	67	5' 0"	28/7 27	66	9' 0"
15/5 28	66	1' 0"	" "	64	2' 6"	" 28	74	4' 0"
" 30	67	6' 0"	20/6 28	68	7' 0"	" "	63	7' 0"
16/5 27	63	3' 0"	" 30	60	4' 6"	19/7 27	72	6' 0"
18/5 27	70	4' 0"	" "	58	5' 0"	" 28	70	3' 0"
19/5 28	56	1' 0"	21/6 27	70	7' 0"	31/7 27	67	4' 0"
21/5 29	70	1' 0"	" "	62	5' 6"	1/8 27	67	10' 0"
22/5 27	71	4' 0"	22/6 27	65	7' 2"	3/8 27	66	5' 0"
" 29	65	1' 6"	23/6 28	66	3' 6"	" "	61	7' 0"
25/5 27	73	1' 3"	" 29	64	5' 0"	4/8 27	60	6' 0"
26/5 27	60	6' 0"	24/6 28	70	5' 0"	5/8 27	66	3' 0"
" 28	65	4' 0"	" 29	66	7' 6"	6/8 27	63	7' 0"
" "	64	1' 0"	26/6 30	63	4' 0"	" "	64	11' 0"
" 29	58	10' 0"	" "	69	9' 0"	" 30	67	3' 0"
27/5 28	60	1' 3"	27/6 28	65	4' 0"	9/8 27	60	6' 0"
28/5 27	61	6' 0"	" "	68	7' 0"	" 28	63	6' 0"
" 29	70	2' 0"	28/6 27	65	2' 0"	" 29	65	2' 6"
" "	54	5' 0"	" "	73	2' 0"	" "	67	7' 0"
26/6 27	69	1' 0"	" 28	71	4' 6"	10/8 27	65	16' 0"
31/5 27	67	4' 0"	29/6 27	67	2' 0"	" "	60	9' 0"
1/6 30	60	2' 6"	30/6 27	67	1' 0"	14/8 28	60	6' 6"
" 27	64	3' 0"	1/7 29	66	4' 6"	16/8 27	66	6' 0"
" "	57	4' 0"	" "	63	3' 0"	" "	61	6' 0"
" "	60	4' 0"	" "	68	2' 0"	17/8 29	64	5' 0"
" 28	67	5' 0"	" 30	64	9' 0"	18/8 27	64	8' 0"
" "	66	1' 0"	2/7 29	69	5' 0"	19/8 27	64	10' 0"
8/6 27	66	5' 0"	4/7 28	71	9' 0"	" "	66	6' 0"
" 28	70	2' 0"	" 29	70	9' 6"	" 29	67	9' 0"
" "	74	7' 0"	7/7 28	66	6' 0"	20/8 27	64	4' 0"
" 30	68	2' 0"	" "	67	6' 0"	21/8 28	60	7' 0"
4/6 27	75	4' 0"	" "	64	5' 0"	" "	68	14' 0"
5/6 27	64	4' 0"	" 27	72	0' 8"	" 28	65	14' 0"
" "	70	4' 0"	8/7 27	68	1' 6"	22/8 28	70	4' 0"
" "	61	7' 0"	" 28	69	8' 9"	" 29	62	5' 0"
" 30	57	3' 0"	9/7 27	61	6' 0"	24/8 27	72	8' 0"
6/6 28	69	3' 0"	11/7 27	69	3' 6"	25/8 28	67	10' 0"
7/6 27	65	1' 0"	13/7 27	69	3' 6"	" 29	67	14' 0"
" 28	64	4' 0"	" "	63	9' 0"	" 30	59	8' 0"
8/6 27	74	4' 0"	15/7 30	64	8' 0"	29/8 28	67	7' 0"
9/6 29	70	1' 0"	16/7 27	64	4' 0"	" 29	69	10' 0"
" 27	58	3' 0"	17/7 27	69	8' 0"	30/8 28	70	11' 0"
" 29	69	2' 6"	" 30	65	12' 0"	" 27	69	9' 0"
" "	68	1' 6"	18/7 27	66	4' 0"	31/8 27	68	15' 0"
12/6 27	73	2' 5"	19/7 27	70	3' 0"	" 29	64	4' 0"
						2/9 27	70	7' 0"

Table No. 11 (continued).

Date when measured.	Length.		Date when measured.	Length.		Date when measured.	Length.	
	Mother.	Foetus.		Mother.	Foetus.		Mother.	Foetus.
	Engl. feet.	Engl. feet.		Engl. feet.	Engl. feet.		Engl. feet.	Engl. feet.
1/9 30	65	8' 0"	16/9 27	58	9' 0"	9/10 27	67	12' 0"
3/9 27	67	11' 0"	17/9 30	65	15' 0"	10/10 30	64	13' 0"
5/9 "	73	9' 0"	" "	65	8' 0"	11/10 27	67	12' 0"
" "	69	6' 0"	18/9 27	63	13' 0"	" "	63	9' 0"
" 29	70	7' 0"	" 30	60	8' 0"	" 30	66	14' 0"
" "	64	15' 0"	" "	65	12' 0"	12/10 29	65	14' 0"
6/9 27	69	14' 0"	19/9 27	68	7' 0"	" "	67	12' 0"
7/9 "	66	6' 0"	21/9 "	74	9' 0"	" "	70	18' 0"
" 29	62	6' 0"	" 29	61	8' 0"	13/10 "	61	11' 0"
9/9 "	65	8' 0"	" 30	64	10' 0"	15/10 27	62	20' 0"
10/9 27	71	8' 0"	22/9 28	61	15' 0"	18/10 30	65	10' 0"
" "	67	6' 0"	" 30	65	13' 0"	19/10 27	66	16' 0"
" "	66	12' 0"	24/9 "	67	17' 0"	" 30	70	8' 0"
" 30	62	13' 0"	25/9 27	61	7' 0"	20/10 27	62	18' 0"
11/9 29	61	8' 0"	26/9 "	63	13' 0"	22/10 30	62	16' 0"
12/9 "	70	8' 0"	27/9 28	67	15' 0"	" "	69	16' 0"
" "	65	12' 0"	28/9 29	63	10' 0"	25/10 "	67	14' 0"
" 30	65	10' 0"	" "	65	14' 6"	" "	61	16' 0"
" "	63	10' 0"	" 30	63	13' 0"	27/10 27	63	18' 0"
14/9 27	66	1' 0"	1/10 "	60	13' 0"	31/10 30	65	16' 0"
" 29	62	9' 0"	3/10 28	69	14' 0"	3/11 27	62	20' 0"
" "	65	14' 0"	4/10 "	65	16' 0"	5/11 29	70	19' 0"
15/9 "	66	8' 0"	" 30	60	9' 0"	13/11 27	64	10' 0"

Total 240 fin-whale foetuses.

## 4.—Sei-whale foetuses

measured at shore stations in South Georgia 1921—1931.

22/1 29	51	6' 0"	12/2 31	54	7' 0"	20/2 31	50	11' 0"
30/1 "	50	10' 0"	" "	55	8' 0"	22/2 29	50	4' 0"
31/1 "	52	5' 0"	" "	51	10' 0"	" "	53	5' 6"
3/2 "	48	5' 8"	" "	46	6' 0"	" 30	49	8' 4"
" 30	55	9' 0"	" "	49	5' 0"	23/2 29	46	7' 0"
7/2 31	53	10' 0"	" "	52	4' 0"	24/2 27	52	9' 0"
8/2 29	53	8' 0"	" "	50	10' 6"	" 30	53	9' 4"
" "	51	7' 2"	13/2 29	54	9' 6"	25/2 29	50	5' 0"
9/2 31	52	8' 4"	14/2 23	55	5' 0"	" "	54	10' 0"
" "	50	6' 6"	" 29	56	9' 2"	" 31	54	4' 4"
" "	54	10' 0"	" "	51	7' 0"	" "	52	10' 8"
10/2 "	55	5' 0"	" 31	53	10' 0"	26/2 29	55	12' 0"
" "	54	8' 0"	15/2 29	50	4' 0"	" 30	53	6' 6"
" "	54	10' 0"	16/2 "	50	6' 0"	27/2 "	54	11' 0"
" "	50	10' 0"	" "	49	4' 9"	" 31	55	11' 4"
" "	52	10' 0"	" "	48	7' 9"	28/2 29	50	10' 0"
" "	50	8' 0"	" 31	61	5' 8"	3/3 27	56	8' 0"
" "	50	9' 0"	" "	53	11' 0"	" "	54	6' 0"
" "	50	3' 0"	" "	47	9' 0"	" "	54	5' 0"
" "	50	4' 6"	17/2 29	53	5' 0"	" 30	48	8' 0"
11/2 "	49	12' 0"	" 30	55	11' 0"	" "	49	3' 0"
" "	51	12' 0"	" 31	51	7' 0"	4/3 "	54	12' 0"
" "	50	9' 0"	20/2 27	55	7' 0"	" "	54	13' 0"
" "	53	7' 0"	" "	46	6' 0"	" 31	51	13' 0"
" "	50	10' 0"	" 30	53	4' 0"	" "	51	8' 0"
" "	53	4' 0"	" "	51	6' 4"	5/8 30	53	11' 8"
" "	56	7' 0"	" "	53	7' 0"	" 31	50	2' 0"

Table No. 11 (continued).

Date when measured.	Length.		Date when measured.	Length.		Date when measured.	Length.	
	Mother.	Foetus.		Mother.	Foetus.		Mother.	Foetus.
	Engl. feet.	Engl. feet.		Engl. feet.	Engl. feet.		Engl. feet.	Engl. feet.
$\frac{6}{3}$ 29	48	5' 0"	$\frac{18}{3}$ 24	53	11' 0"	$\frac{30}{3}$ 29	54	7' 0"
" 30	53	10' 0"	" 29	52	10' 0"	" "	52	12' 0"
$\frac{7}{3}$ 27	51	6' 0"	" 30	55	15' 0"	" "	56	9' 0"
" 28	54	12' 0"	$\frac{19}{3}$ 29	53	12' 0"	" "	50	9' 2"
" "	48	9' 0"	" 30	45	12' 0"	$\frac{31}{3}$ 24	53	10' 0"
" "	51	13' 0"	$\frac{20}{3}$ 24	54	10' 6"	" "	51	9' 0"
" 30	52	9' 0"	" 27	52	7' 0"	" "	52	10' 6"
" "	51	11' 0"	" 28	56	14' 0"	" "	53	13' 0"
" "	54	9' 4"	" 29	52	12' 0"	" "	50	12' 0"
" "	53	11' 0"	" "	53	15' 0"	" 30	53	7' 8"
" "	55	4' 4"	" "	53	10' 0"	" "	52	7' 0"
" "	50	11' 0"	$\frac{21}{3}$ 24	53	11' 0"	" "	48	13' 0"
" "	52	10' 6"	" "	54	11' 6"	$\frac{1}{4}$ 27	54	13' 0"
" "	54	2' 6"	" 29	50	5' 0"	" 30	49	12' 0"
$\frac{8}{3}$ 27	52	8' 0"	" "	50	11' 0"	$\frac{2}{4}$ 24	51	10' 0"
" 30	55	11' 0"	" "	51	10' 6"	" "	52	8' 0"
" "	54	13' 0"	" "	51	6' 5"	" "	58	10' 0"
" "	52	8' 0"	" "	51	12' 6"	" 29	50	10' 0"
$\frac{9}{3}$ 21	52	8' 0"	" "	53	10' 0"	$\frac{4}{4}$ 24	54	11' 6"
" 28	52	9' 0"	$\frac{22}{3}$ 24	52	7' 0"	" 29	48	10' 0"
$\frac{10}{3}$ 24	54	10' 0"	" "	54	13' 8"	" "	54	13' 2"
" 28	56	11' 0"	" "	52	11' 0"	$\frac{5}{4}$ "	55	11' 4"
" 30	57	6' 0"	$\frac{23}{3}$ "	50	6' 0"	$\frac{6}{4}$ 27	53	12' 0"
" "	50	8' 0"	" "	55	8' 0"	" "	55	8' 0"
" "	54	11' 0"	" "	50	13' 0"	" "	53	12' 0"
" 31	51	10' 0"	" "	54	10' 0"	" "	54	12' 0"
$\frac{11}{3}$ 24	55	10' 6"	" "	57	8' 0"	" 29	54	14' 0"
" "	46	9' 0"	" "	57	7' 6"	" "	53	8' 0"
" 27	54	8' 0"	" "	54	6' 0"	$\frac{7}{4}$ 24	52	11' 0"
" 28	49	12' 0"	$\frac{24}{3}$ 27	55	11' 0"	" "	52	9' 7"
" 30	51	6' 0"	" "	53	10' 6"	$\frac{8}{4}$ 24	54	13' 0"
" 31	52	8' 0"	" "	50	10' 0"	" "	56	12' 0"
$\frac{12}{3}$ 27	51	9' 7"	" "	50	10' 0"	" "	47	10' 6"
" 30	52	4' 0"	" "	51	8' 0"	" 29	49	7' 0"
" "	49	3' 0"	" 27	57	16' 0"	$\frac{9}{4}$ 24	55	12' 0"
$\frac{13}{3}$ 27	53	8' 6"	" "	50	8' 0"	" "	56	12' 6"
" 28	48	12' 0"	" 28	56	12' 0"	" "	53	14' 0"
" "	52	11' 0"	" 29	55	15' 0"	$\frac{10}{4}$ "	49	9' 6"
" "	52	13' 0"	" "	53	12' 0"	" "	54	15' 0"
" "	49	12' 0"	" "	52	14' 0"	" 30	55	10' 0"
" "	50	13' 0"	" "	53	4' 0"	$\frac{11}{4}$ 24	53	13' 0"
" "	46	5' 0"	" "	50	13' 0"	" "	54	12' 6"
" "	51	5' 0"	" 30	49	9' 0"	" "	54	12' 0"
" 29	53	8' 0"	" "	52	14' 0"	" "	51	12' 0"
" 30	51	11' 0"	" "	55	11' 0"	$\frac{14}{4}$ "	52	14' 0"
" "	44	11' 6"	$\frac{28}{3}$ 24	54	11' 0"	$\frac{15}{4}$ "	51	12' 0"
$\frac{15}{3}$ 27	53	11' 0"	" "	54	14' 0"	" 30	46	12' 0"
" "	54	10' 0"	" "	52	13' 0"	$\frac{18}{4}$ 22	53	8' 0"
$\frac{16}{3}$ "	51	7' 0"	$\frac{28}{3}$ 29	51	13' 0"	$\frac{19}{4}$ 24	55	12' 0"
" 31	45	5' 0"	" "	51	13' 0"	" 27	50	14' 0"
" "	44	6' 0"	" "	54	14' 0"	$\frac{20}{4}$ "	55	14' 0"
" "	47	14' 0"	" "	52	12' 0"	" "	53	12' 0"
" "	53	12' 0"	$\frac{29}{3}$ 27	50	11' 0"	$\frac{25}{4}$ 24	52	10' 0"
" "	53	14' 0"	" 28	52	8' 0"	" "	52	14' 0"
" "	49	10' 0"	$\frac{30}{3}$ 27	51	9' 7"	" 30	51	10' 0"
" "	50	13' 0"	" "	48	11' 0"	$\frac{28}{4}$ 24	51	13' 0"
$\frac{17}{3}$ 30	52	5' 0"	" 28	51	7' 0"	" 27	50	12' 0"
" "	53	10' 0"	" 29	54	10' 0"	$\frac{3}{5}$ 24	53	14' 0"
$\frac{18}{3}$ 24	52	10' 0"	" "					

Total 255 sei-whale foetuses, of which a couple of twin-foetuses.

Table No. 11 (continued).

## 5.—Sei-whale foetuses

measured off the coast of Patagonia by the floating factory K. Ernesto Tornquist in the seasons 1928 and 1929.

Date when measured.	Length.		Date when measured.	Length.		Date when measured.	Length.	
	Mother.	Foetus.		Mother.	Foetus.		Mother.	Foetus.
	Engl. feet.	Engl. feet.		Engl. feet.	Engl. feet.		Engl. feet.	Engl. feet.
28/1 28	35	3' 0"	2/4 29	41	14' 0"	5/5 28	47	14' 0"
" "	37	3' 0"	8/4 "	43	12' 0"	" "	44	14' 6"
29/1 "	39	4' 0"	" "	39	10' 0"	10/5 "	45	13' 0"
31/1 "	41	5' 0"	5/4 28	51	10' 0"	12/5 "	41	10' 0"
3/2 "	40	6' 0"	" "	48	9' 0"	18/5 "	48	13' 0"
" "	43	4' 0"	" "	50	9' 0"	" "	46	12' 0"
4/2 "	41	6' 0"	" "	46	9' 6"	" "	42	10' 6"
" "	44	5' 0"	" 29	39	11' 0"	" "	50	13' 6"
8/2 "	42	4' 0"	" "	42	10' 0"	" "	49	11' 0"
10/2 "	42	5' 0"	6/4 "	40	12' 0"	" "	40	12' 0"
4/3 29	41	8' 0"	8/4 "	43	11' 0"	17/5 "	49	10' 0"
14/3 "	45	10' 0"	" "	39	9' 0"	" "	47	10' 6"
" "	40	7' 0"	" "	40	8' 0"	" "	44	12' 0"
15/3 "	39	9' 0"	9/4 "	41	11' 0"	" "	47	13' 0"
16/3 "	39	10' 0"	12/4 28	46	9' 0"	18/5 "	48	12' 0"
17/3 "	47	11' 0"	" 29	40	9' 0"	" "	50	14' 0"
18/3 "	39	8' 0"	13/4 "	41	12' 0"	" "	42	11' 0"
" "	38	9' 0"	14/4 28	44	10' 6"	20/5 "	46	11' 0"
19/3 "	38	10' 0"	" 29	46	14' 0"	" "	42	14' 0"
21/3 "	39	8' 0"	17/4 "	39	11' 0"	21/5 "	41	13' 0"
23/3 "	41	9' 0"	18/4 28	40	10' 0"	" "	46	11' 6"
" "	38	8' 0"	" 29	45	13' 0"	" "	44	13' 6"
24/3 "	41	10' 0"	19/4 "	46	14' 0"	" "	47	10' 0"
27/3 "	42	9' 0"	22/4 28	46	8' 6"	22/5 "	49	12' 0"
28/3 "	42	11' 0"	23/4 29	42	10' 0"	" "	47	11' 0"
" "	39	7' 0"	" "	43	11' 0"	" "	46	12' 0"
29/3 28	43	8' 0"	" "	41	5' 0"	" "	40	13' 0"
" "	47	7' 0"	25/4 "	43	9' 0"	23/5 "	47	12' 6"
" "	46	12' 0"	" "	42	12' 0"	" "	45	11' 0"
" "	43	11' 0"	26/4 "	42	9' 0"	" "	42	12' 0"
" "	43	8' 0"	28/4 "	39	11' 0"	" "		
" "	42	7' 0"	30/4 "	42	12' 0"	" "		
30/3 "	46	8' 0"	" "	39	9' 0"	" "		
" "	47	8' 0"	1/5 28	46	8' 6"	" "		
" 29	40	5' 0"	" "	45	12' 0"	" "		
31/3 "	39	10' 0"	4/5 "	45	13' 0"	" "		
" "	39	9' 0"	5/5 "	47	10' 0"	" "		

Total 104 foetuses, of which a couple of twin-foetuses.

**Table No. 12.—Whale foetuses, by species and groups of size, in each month.**

**1. Blue-whale foetuses**

measured at shore stations in the Southern Seas 1925/26—1929/30.

Groups of size.	September.	October.	November.	December.	January.	February.	March.	April.	Total.
Engl. feet.									
Less than 1'.....	-	4	1	-	-	-	-	-	5
1'—1' 11".....	1	12	11	4	-	-	-	-	28
2'—2' 11".....	-	10	19	14	5	1	-	-	49
3'—3' 11".....	-	12	41	19	9	-	-	-	81
4'—4' 11".....	-	7	27	28	13	-	-	-	75
5'—5' 11".....	-	1	14	38	11	-	1	-	65
6'—6' 11".....	-	1	22	27	16	3	-	-	69
7'—7' 11".....	-	-	9	18	14	3	1	-	45
8'—8' 11".....	-	-	9	17	13	5	2	1	47
9'—9' 11".....	-	-	2	8	6	1	1	-	18
10'—10' 11".....	-	1	-	16	9	4	1	-	31
11'—11' 11".....	-	-	1	4	2	2	-	-	9
12'—12' 11".....	-	-	1	1	6	2	5	-	15
13'—13' 11".....	-	-	-	-	-	-	3	-	3
14'—14' 11".....	-	-	-	2	1	1	2	-	6
15'—15' 11".....	-	-	-	1	4	5	4	1	15
16'—16' 11".....	-	-	-	-	-	1	-	-	1
17'—17' 11".....	-	-	-	-	1	1	1	-	3
18'—18' 11".....	-	-	-	-	-	4	3	-	7
19'—19' 11".....	-	-	-	-	-	1	2	1	4
20'—20' 11".....	-	-	-	1	-	-	4	-	5
21'—21' 11".....	-	-	-	-	-	-	1	-	1
22'—22' 11".....	-	-	-	-	-	-	3	-	3
23'—23' 11".....	-	-	-	-	-	-	-	-	-
24'—25' 11".....	-	-	-	-	-	-	-	1	1
Total blue-whale foetuses..	1	48	157	198	110	34	34	4	586
Average size of foetuses .	1' 10"	2' 8"	4' 4"	5' 11"	7' 1"	11' 6"	15' 0"	16' 6"	6' 4"

**2. Fin-whale foetuses**

measured at shore stations in the Southern Seas 1925/26—1929/30.

Groups of size.	September.	October.	November.	December.	January.	February.	March.	April.	May.	Total.
Engl. feet.										
Less than 1'.....	2	8	8	4	6	-	1	-	-	29
1'—1' 11".....	6	29	11	12	7	2	-	-	-	67
2'—2' 11".....	3	30	27	24	12	3	1	-	-	100
3'—3' 11".....	-	22	22	30	25	2	-	-	-	101
4'—4' 11".....	-	18	22	21	38	13	4	1	-	117
5'—5' 11".....	-	5	17	30	29	7	3	1	-	92
6'—6' 11".....	-	-	10	24	45	12	2	3	1	97
7'—7' 11".....	-	1	2	17	29	10	2	2	-	63
8'—8' 11".....	-	1	1	11	27	15	10	1	-	66

(cont.)



Table No. 12 (continued).

**2. Fin-whale foetuses (continued).**

Groups of size.	September.	October.	November.	December.	January.	February.	March.	April.	May.	Total.
Engl. feet.										
9'—9' 11" . . . . .	-	-	1	9	21	10	5	1	1	48
10'—10' 11" . . . . .	-	-	-	5	28	10	13	4	-	60
11'—11' 11" . . . . .	-	-	-	1	10	3	10	1	1	26
12'—12' 11" . . . . .	-	-	-	1	13	9	11	3	-	37
13'—13' 11" . . . . .	-	-	-	-	5	3	4	1	1	14
14'—14' 11" . . . . .	-	-	-	-	4	3	6	-	-	13
15'—15' 11" . . . . .	-	-	-	-	1	7	5	3	-	16
16'—16' 11" . . . . .	-	-	-	-	-	1	4	3	-	8
17'—17' 11" . . . . .	-	-	-	-	-	-	1	2	-	3
18'—18' 11" . . . . .	-	-	-	1	1	4	2	4	-	12
19'—19' 11" . . . . .	-	-	-	-	-	-	1	-	-	1
20'—20' 11" . . . . .	-	-	-	-	-	-	3	1	-	4
21'—21' 11" . . . . .	-	-	-	-	-	-	-	1	-	1
Total fin-whale foetuses..	11	114	121	190	301	114	88	32	4	975
Average size of foetuses.	1' 5"	2' 6"	3' 5"	4' 11"	6' 8"	8' 7"	11' 0"	12' 6"	9' 9"	6' 2"

**3. Fin-whale foetuses**

measured at shore stations in the Northern Seas 1927—1930.

Groups of size.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	Total.
Engl. feet.											
Less than 1' . . . . .	1	-	-	-	-	1	-	-	-	-	2
1'—1' 11" . . . . .	3	3	-	8	5	1	-	1	-	-	21
2'—2' 11" . . . . .	1	-	-	1	12	1	1	-	-	-	16
3'—3' 11" . . . . .	-	-	1	2	7	7	2	-	-	-	19
4'—4' 11" . . . . .	-	-	-	4	15	6	3	-	-	-	28
5'—5' 11" . . . . .	-	-	-	1	8	6	3	-	-	-	18
6'—6' 11" . . . . .	-	-	-	3	3	5	7	4	-	-	22
7'—7' 11" . . . . .	-	-	-	-	8	1	5	4	-	-	18
8'—8' 11" . . . . .	-	-	-	-	-	4	3	9	1	-	17
9'—9' 11" . . . . .	-	-	-	-	1	5	3	4	2	-	15
10'—10' 11" . . . . .	-	-	-	1	-	2	4	4	1	1	13
11'—11' 11" . . . . .	-	-	-	-	-	-	2	1	1	-	4
12'—12' 11" . . . . .	-	-	-	-	-	2	-	3	3	-	8
13'—13' 11" . . . . .	-	1	-	-	-	-	-	5	2	-	8
14'—14' 11" . . . . .	-	-	-	-	-	-	3	3	4	-	10
15'—15' 11" . . . . .	-	-	-	-	-	-	1	4	-	-	5
16'—16' 11" . . . . .	-	-	-	-	-	-	1	-	6	-	7
17'—17' 11" . . . . .	-	-	-	-	-	-	-	1	-	-	1
18'—18' 11" . . . . .	1	-	-	1	-	-	-	-	3	-	5
19'—19' 11" . . . . .	-	-	-	-	-	-	-	-	-	1	1
20'—20' 11" . . . . .	-	-	-	-	-	-	-	-	1	1	2
Total fin-whale foetuses..	6	4	1	21	59	41	38	43	24	3	240
Average size of foetuses.	4' 0"	4' 5"	3' 0"	4' 0"	4' 1"	5' 10"	7' 10"	10' 1"	14' 0"	16' 4"	7' 2"

Table No. 12 (continued).

## 4. Sei-whale foetuses

measured at shore stations in South Georgia 1921—1931.							measured off the coast of Patagonia in the seasons 1928 and 1929.					
Groups of size.	January.	February.	March.	April.	May.	Total.	January.	February.	March.	April.	May.	Total.
Engl. feet.												
Less than 1'	-	-	-	-	-	-	-	-	-	-	-	-
1'—1' 11"	-	-	-	-	-	-	-	-	-	-	-	-
2'—2' 11"	-	-	2	-	-	2	-	-	-	-	-	-
3'—3' 11"	-	1	2	-	-	3	2	-	-	-	-	2
4'—4' 11"	-	8	3	-	-	11	1	2	-	-	-	3
5'—5' 11"	1	8	7	-	-	16	1	2	1	1	-	5
6'—6' 11"	1	6	8	-	-	15	-	2	-	-	-	2
7'—7' 11"	-	10	8	1	-	19	-	-	4	-	-	4
8'—8' 11"	-	6	15	4	-	25	-	-	8	2	1	11
9'—9' 11"	-	8	11	2	-	21	-	-	5	9	-	14
10'—10' 11"	1	12	21	8	-	42	-	-	5	6	6	17
11'—11' 11"	-	5	21	3	-	29	-	-	3	6	6	15
12'—12' 11"	-	3	16	15	-	34	-	-	1	5	9	15
13'—13' 11"	-	-	14	5	-	19	-	-	-	1	8	9
14'—14' 11"	-	-	7	6	1	14	-	-	-	3	4	7
15'—15' 11"	-	-	3	1	-	4	-	-	-	-	-	-
16'—16' 11"	-	-	1	-	-	1	-	-	-	-	-	-
Total sei-whale foetuses . . . . .	3	67	139	45	1	255	4	6	27	33	34	104
Average size of foetuses . . . . .	7' 0"	7' 9"	9' 10"	11' 6"	14'	9' 7"	3' 9"	5' 0"	8' 9"	10' 5"	11' 11"	9' 11"

Firm : \_\_\_\_\_

Manager : \_\_\_\_\_

Catching fields : \_\_\_\_\_

Season commenced \_\_\_\_\_ closed \_\_\_\_\_

## Report on number of whales, oil production, etc. Season 19\_\_\_\_

Month	Catcher : _____ Gunner : _____							Catcher : _____ Gunner : _____							Catcher : _____ Gunner : _____							Total production of oil of the whaling firm.					Production of Guano and Bonemeal.		
	Blue whale	Fin whale	Hump- back	Sei whale	Sperm whale	Right whale	Total	Blue whale	Fin whale	Hump- back	Sei whale	Sperm whale	Right whale	Total	Blue whale	Fin whale	Hump- back	Sei whale	Sperm whale	Right whale	Total	No. 0 & 1	No. 2	No. 3	No. 4	Sperm	Total		
January .																													
February																													
March . .																													
April, etc.																													

### Report on whales caught from \_\_\_\_\_

by \_\_\_\_\_ whaling firm in the season 19 —19

Date	Species of whales	Length <sup>1)</sup> (Ft.)	Contents of Stomach	Sex	Females <sup>2)</sup>			Remarks
					Pregnant	Accom- panied by calf.	Length of the calf or foetus	

<sup>1)</sup> The length shall be the length of a straight line taken from the tip of the snout to the notch between the flukes of the tail.

<sup>2)</sup> These rubrics must be filled in as exactly as possible.

