

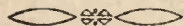
DET NORSKE HVALRÅDS STATISTISKE PUBLIKASJONER

INTERNATIONAL  
WHALING STATISTICS

XXIII

EDITED BY

THE COMMITTEE FOR WHALING STATISTICS



OSLO 1950

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## PREFACE

The present publication (No. XXIII) contains statistics for the Antarctic season 1947-48 and for the whaling on other grounds in 1948. According to newspaper reports the U.S.S.R. floating factory "Aleut" has been operating off Kamtchatka also in 1948. It has, however, been impossible for the Committee to obtain any statistical data concerning these operations. Reports concerning the whaling results of "Aleut" for 1944, 1945 and 1947 are still not available.

Two shore stations have carried on whaling off Brazil. Reports have been received about the number of whales killed, but data concerning the oil production are wanting.

Otherwise volume No. XXIII should contain complete information about all whaling activities in Antarctic waters during the season 1947-48 and on other grounds in 1948.

The Committee desires to draw the attention to some drafting amendments in the main tables and in the introduction tables. In earlier volumes of International Whaling Statistics the expression "Coast of - - -" has generally been used to identify certain whaling grounds, as for instance Coast of Portugal, Coast of Norway, Coast of Chile etc. The words "Coast of" have now been omitted, and the grounds are named: Portugal, Norway, Chile.

As usual the statistics include tables recording the whaling results of the various countries separately. In the present publication specifications have also been given for the various countries of the British Commonwealth. See table no. 4, page 26 and table *h* in the introduction.

Oslo, 25th March 1950.

*Gunnar Jahn.*

*Birger Bergersen.*

*Harald B. Paulsen.*



## INTRODUCTION

As mentioned in earlier publications of International Whaling Statistics most of the floating factories and many catchers were lost during the war. Immediately after the conclusion of hostilities energetic efforts were made to rebuild the whaling fleet, and the high oil prices during the post-war years have contributed to a more rapid replacement than was anticipated.

The number of whales killed and the output of oil has increased from year to year, primarily as far as the Antarctic whaling is concerned. The summary below reflects the development of the whaling activity during the seasons 1944/45–1947/48 with the succeeding summer operations:

Season.	Total oil production. Barrels.	Of which:	
		In Antarctic. Barrels.	On other grounds. Barrels.
1944–45 and summer 1945 . . . . .	297,954	223,540	74,414
1945–46 „ „ 1946 . . . . .	948,411	818,652	129,759
1946–47 „ „ 1947 . . . . .	2,183,714	1,939,742	243,972
1947–48 „ „ 1948 . . . . .	2,394,087	2,104,051	290,036

Table *a*, on page 8, shows the number of floating factories, shore stations and catchers in activity from 1934–35 to 1947–48. During the last war-season, 1944–45, 1 floating factory and 1 shore station with a total of 15 catchers carried on whaling in the Antarctic. During the first post-war season 9 floating factories, 3 shore stations and 93 catchers were engaged, and the oil production amounted to 818,652 barrels. In 1946–47 15 floating factories, 3 shore stations and 147 catchers were operating in Antarctic waters with a production amounting to 1,939,742 barrels. The increase in the oil production from 1945–46 to 1946–47 is remarkable, even when considering the increase of the whaling fleet. Owing to comprehensive repairs of floating factories and catchers in 1945, one expedition only commenced whaling on the opening day of the season 1945–46, whereas all expeditions but one commenced operations on the opening day in 1946–47. In 1947–48 the whaling material increased with 2 floating factories and 36 catchers, and the whaling fleet during this season accordingly consisted of 17 floating factories, 3 shore stations and a total of 183 catchers. The oil production in the Antarctic in 1947–48 amounted to 2,104,051 barrels, i.e. 164,309 barrels more than in the previous season.



Table a.—Whaling material in operation in the years 1934/35—1947/48.

Years. <sup>1</sup>	All whaling grounds.			Antarctic.			Others.		
	Shore stations.	Floating factories.	Catchers.	Shore stations.	Floating factories.	Catchers.	Shore stations.	Floating factories.	Catchers.
1934-35	18	30	242	2	23	153	16	7	89
1935-36	37	33	312	2	24	175	35	9	137
1936-37	29	41	354	2	30	196	27	11	158
1937-38	35	35	356	2	31	256	33	4	100
1938-39	14	37	358	2	34	281	12	3	77
1939-40	7	29	305	2	28	240	5	1	65
1940-41	7	14	174	1	11	93	6	3	81
1941-42	7	2	33	2	—	12	5	2	21
1942-43	7	2	29	1	—	6	6	2	23
1943-44	7	1	29	1	1	15	6	—	14
1944-45	8	1	32	1	1	15	7	—	17
1945-46	31	11	170	3	9	93	28	2	77
1946-47	32	20	254	3	15	147	29	5	107
1947-48	39	20	308	3	17	183	36	3	125

<sup>1</sup> 1934-35 = Antarctic season 1934-35 and summer 1935, a.s.o.

As commonly known, pelagic whaling is limited to 16,000 blue-whale units. The whaling period in 1946-47 and 1947-48 was fixed at December 8th to April 7th, but on the understanding that whaling should cease if the maximum was reached any time before April 7th. During 1946-47 whaling was carried on throughout the season, i.e. 4 months, with a total result of 15,337.9 blue-whale units. In 1947-48 operations ceased on March 31st, 7 days before the official closing day, because the maximum quota had been reached. Publication No. XXII embraces operations in the Antarctic during 1947-48, and the introduction to that volume contains details of the results.

In areas *outside* the Antarctic the catch has increased steadily from 1945, when the oil production amounted to 74,414 barrels, while in 1948 it had reached 290,036 barrels. This increase is due to the increasing number of shore stations. In 1945, outside the Antarctic, 7 shore stations with 17 catchers participated, while in 1948 36 shore stations, 3 floating factories and a total of 125 catchers were operating. Of these 36 shore stations 7 were new additional stations in operation in 1948 and on the following grounds:

Spanish Morocco,  
Paraiba, Brazil,  
Sta. Catarina, Brazil,  
Norway,  
Iceland,  
Newfoundland and  
British Columbia.

The 2 stations at Paraiba and Sta. Catarina, Brazil, were probably also operating in 1947, but statistics are wanting.

Table b.—Whales killed in the years 1927/28—1947/48, by species.

Years. <sup>1)</sup>	Blue.	Fin.	Hump- back.	Sei.	Sperm.	Others.	Total of whales.
1927-28.....	9,676	7,203	1,526	2,290	1,804	1,094	23,593
1928-29.....	13,905	9,270	350	1,549	1,862	1,179	28,115
1929-30.....	19,166	14,378	2,036	841	1,212	667	38,300
1930-31.....	29,649	11,367	924	652	517	21	43,130
1931-32.....	6,705	4,158	635	492	632	366	12,988
1932-33.....	19,067	7,089	501	433	1,234	583	28,907
1933-34.....	17,486	8,734	2,289	541	1,847	1,689	32,586
1934-35.....	16,834	14,078	4,088	962	2,238	1,111	39,311
1935-36.....	18,108	12,155	7,776	823	4,853	1,153	44,868
1936-37.....	14,637	17,687	9,853	1,236	7,055	911	51,379
1937-38.....	15,035	29,680	5,125	929	3,308	758	54,835
1938-39.....	14,152	22,622	1,393	815	5,049	1,679	45,710
1939-40.....	11,560	19,722	454	538	4,041	1,316	37,631
1940-41.....	5,028	9,150	2,939	807	5,081	574	23,579
1941-42.....	69	1,751	276	118	3,928	728	6,870
1942-43.....	136	1,494	219	154	3,920	871	6,794
1943-44.....	351	1,828	218	255	895	418	3,965
1944-45.....	1,101	2,448	292	144	861	521	5,367
1945-46.....	3,675	10,980	493	747	3,418	22	19,335
1946-47.....	9,301	16,491	274	1,117	7,395	56	34,634
1947-48.....	7,151	23,745	499	1,526	8,766	302	41,989

<sup>1)</sup> 1927-28 = Antarctic season 1927/28 and summer 1928, a.s.o.

During 1948 operations outside the Antarctic have been carried on in the following areas:

*Africa:* Natal, Cape Province, Spanish Morocco.

*Brazil:* Paraiba, Sta. Catarina.

*Atlantic and Arctic:* Azores, Madeira, Portugal, Norway, Faroe Islands, Iceland, West Greenland and Newfoundland.

*Pacific North:* California, British Columbia, Japan, Bonin Island.

*Other grounds:* Peru, Chile, West-Australia.

As mentioned in the preface one Russian floating factory has been operating off Kamtchatka, but no statistics are available.

Table *b*, above, gives the number of whales killed in each year from 1927-28, registered by species. The aggregate number of whales killed in 1946-47 was 34,634, but this increased to 41,989 in 1947-48. The blue-whale catch during the same seasons decreased from 9,301 to 7,151.

Table *c*, on page 10, records the number of whales killed in the various main areas.

It will be observed from this table that of a total catch in 1947-48 of 41,989 whales, 31,318 or 74.6 % were killed in the Antarctic. During the last 2 pre-war seasons about 84 % of all whales were killed in the Antarctic.

From table *d*, on page 10, will be seen the total production of whale- and sperm-oil as well as the proportionate production in the various main areas: Antarctic, North Atlantic and Arctic and Africa. As mentioned

Table c.—Whales killed in the various main areas 1934/35—1947/48.

Years.	All areas.		Antarctic.		North Atlantic and Arctic.		Africa.		Pacific, north.		Japan.		Others.	
	No. of whales killed.	Per cent.	No. of whales killed.	Per cent.	No. of whales killed.	Per cent.	No. of whales killed.	Per cent.	No. of whales killed.	Per cent.	No. of whales killed.	Per cent.	No. of whales killed.	Per cent.
1934-35	39,311	100	31,808	80.9	568	1.4	3,004	7.7	855	2.2	1,787	4.5	1,289	3.3
1935-36	44,868	100	30,991	69.1	722	1.6	3,768	8.4	857	1.9	1,840	4.1	6,690	14.9
1936-37	51,379	100	34,579	67.4	1,910	3.7	3,966	7.7	730	1.4	2,066	4.0	8,128	15.8
1937-38	54,835	100	46,039	84.0	750	1.4	3,044	5.6	483	0.9	1,970	3.6	2,549	4.5
1938-39	45,710	100	38,356	83.9	802	1.8	2,687	5.9	232	0.5	2,280	5.0	1,353	2.9
1939-40	37,631	100	32,900	87.4	78	0.2	1,035	2.8	922	2.4	2,035	5.4	661	1.8
1940-41	23,579	100	16,363	69.4	133	0.6	759	3.2	931	3.9	2,349	10.0	3,044	12.9
1941-42	6,870	100	1,425	20.7	181	2.6	498	7.3	189	2.8	—	—	4,577	66.6
1942-43	6,794	100	998	14.7	315	4.6	724	10.7	120	1.8	—	—	4,637	68.2
1943-44	3,965	100	1,799	45.4	411	10.4	819	20.6	5	0.1	—	—	931	23.5
1944-45	5,367	100	2,891	53.9	585	10.9	729	13.6	—	—	—	—	1,162	21.6
1945-46	19,335	100	13,387	69.2	1,145	5.9	984	5.1	113	0.6	1,750	9.1	1,956	10.1
1946-47	34,634	100	25,593	73.9	1,063	3.1	1,406	4.0	402	1.2	1,642	4.7	4,528	13.1
1947-48	41,989	100	31,318	74.6	1,693	4.0	2,261	5.4	492	1.2	1,590	3.8	4,635	11.0

Table d.—Oil production in the years 1934/35—1947/48.

Years.	All whaling grounds.		Principal grounds.					
			Antarctic.		North Atlantic and Arctic.		Africa.	
	Total oil output.	Oil output per catcher.	Oil output.	Oil output per catcher.	Oil output.	Oil output per catcher.	Oil output.	Oil output per catcher.
	Barrels. <sup>1)</sup>	Barrels.	Barrels.	Barrels.	Barrels.	Barrels.	Barrels.	Barrels.
1934-35	2,692,825	11,127	2,453,999	16,039	15,341	902	117,950	4,369
1935-36	2,873,423	9,210	2,436,338	13,922	22,203	1,009	135,081	3,141
1936-37	3,214,510	9,081	2,658,108	13,562	69,144	1,921	169,772	4,353
1937-38	3,640,248	10,225	3,340,330	13,048	22,097	1,004	139,102	6,323
1938-39	3,010,098	8,408	2,820,771	10,038	26,066	1,241	106,793	5,085
1939-40	2,666,522	8,743	2,544,253	10,601	2,950	2,950	40,419	3,674
1940-41	1,266,455	7,278	1,100,008	11,828	1,855	1,855	26,638	5,328
1941-42	201,570	6,108	77,819	6,485	2) 1,855	1,855	19,740	3,948
1942-43	193,473	6,671	50,960	8,493	5,564	2,782	27,373	5,475
1943-44	197,058	6,795	132,001	8,800	8,963	2,241	29,380	5,876
1944-45	297,954	9,311	223,540	14,903	14,121	1,569	23,189	4,638
1945-46	948,411	5,579	818,652	8,803	36,691	2,158	30,552	3,819
1946-47	2,183,714	8,597	1,939,742	13,196	35,757	1,703	47,677	2,649
1947-48	2,394,087	7,773	2,104,051	11,498	61,016	2,034	63,352	2,640
1934-35	Per cent	100.0	Per cent	91.1	Per cent	0.5	Per cent	4.4
1935-36		100.0		84.8		0.7		4.7
1936-37		100.0		82.7		2.2		5.3
1937-38		100.0		91.8		0.6		3.8
1938-39		100.0		93.7		0.9		3.5
1939-40		100.0		95.4		0.1		1.5
1940-41		100.0		86.9		0.1		2.1
1941-42		100.0		38.6		0.9		9.8
1942-43		100.0		26.3		2.9		14.1
1943-44		100.0		67.0		4.5		14.9
1944-45		100.0		75.0		4.7		7.8
1945-46		100.0		86.3		3.9		3.2
1946-47		100.0		88.8		1.6		2.2
1947-48		100.0		87.9		2.5		2.6

1) Barrel = 1/4 ton (1 ton = 1,016 kg). 2) Calculated.

Table e.—Sperm-oil production in the years 1936/37—1947/48.<sup>1)</sup>

Grounds.	<sup>2)</sup> 1936-37	1937-38	1938-39	1939-40	1940-41	1945-46	1946-47	1947-48
	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels
South Georgia .....	3,707	2,656	6,971	4,245	1,400	2,686	5,987	5,816
Antarctic, pelagic .....	49,453	48,911	144,775	102,710	44,792	11,059	66,054	131,093
Africa:—								
Natal .....	14,871	15,623	16,083	14,672	13,573	19,334	14,272	20,391
Cape Province .....	8,146	—	—	—	—	—	1,485	2,999
South of Madagascar ..	—	1,210	1,291	—	—	—	—	—
Spanish Morocco .....	—	—	—	—	—	—	—	913
Atlantic and Arctic:—								
Azores .....	—	—	<sup>3)</sup> —	<sup>3)</sup> —	<sup>3)</sup> —	11,917	12,974	15,555
Madeira .....	—	—	—	—	—	2,565	2,585	4,129
Portugal .....	<sup>3)</sup> —	—	—	—	<sup>3)</sup> —	645	1,080	1,076
Norway .....	1,548	568	737	—	—	1,059	841	2,766
Faroe Islands .....	695	251	558	—	—	578	621	1,595
Iceland .....	1,136	1,048	183	—	—	—	—	864
South of Iceland, pelagic	1,690	—	—	—	—	—	—	—
Davis Strait, pelagic...	11,173	—	—	—	—	—	—	—
Newfoundland .....	825	—	840	—	—	649	1,212	757
Pacific North:—								
California .....	—	—	—	—	27	—	140	1,221
British Columbia .....	13,459	11,522	—	<sup>4)</sup> 5,040	<sup>4)</sup> 9,550	—	—	1,170
Alaska .....	3,365	3,638	2,655	—	—	—	—	—
Pelagic whaling .....	—	—	—	6,281	5,570	—	—	—
Kamtschatka .....	<sup>4)</sup> 9,504	2,968	7,904	—	<sup>4)</sup> 8,000	<sup>5)</sup> —	—	—
Japan .....	25,793	27,897	10,961	22,280	21,964	3,148	4,862	11,054
Bonin Island, pelagic ..	—	—	—	—	—	118	736	607
Peru, pelagic .....	88,612	12,869	—	—	41,359	—	105,986	88,205
Chile .....	4,309	<sup>4)</sup> 5,735	4,213	—	—	12,499	19,160	15,533
West Australia .....	117	—	—	—	—	—	—	—
Total <sup>1)</sup>	238,403	134,896	197,171	155,228	146,235	66,257	237,995	305,744

<sup>1)</sup> During the war years 1941/42—1944/45, for which figures are omitted in this table, the total sperm-oil production was as follows: In 1941-42 85,332 barrels, 1942-43 95,436 barrels, 1943-44 30,999 barrels, and 1944-45 31,303 barrels. <sup>2)</sup> 1936-37 = Antarctic season 1936-37 and summer 1937, a.s.o. <sup>3)</sup> No information received as to production of sperm-oil. <sup>4)</sup> Calculated. <sup>5)</sup> 316 Sperm-whales have been caught, but no information has been received re. sperm-oil production.

above, 74.6 % of the whales were killed in the Antarctic, while the oil production in these waters amounted to 87.9 %. This is due to the Antarctic whale being fatter and consequently yielding more oil than the whale killed in other areas.

It will appear from tables *c* and *d* that there was a considerable increase in the number of whales killed and the yield of oil in the North Atlantic and Arctic during 1947-48 as compared with previous seasons. Apart from the season 1936-37, the North Atlantic and Arctic catch in 1947-48 was considerably greater than during any other season mentioned as far back as 1934-35.

Table *e*, above, registers the production of sperm-oil during the period 1936/37-1947/48, specified in respect to the various grounds. The production for last season amounted to 305,744 barrels, the largest production of sperm-oil ever recorded during the period covered by the table. The increase in 1947-48 compared with 1946-47 is mainly due to the greater production of sperm-oil in the Antarctic.

**Table f.—Whaling results for the various countries 1934/35—1947/48. All areas.**  
**Number of whales killed.**

Years.	All countries	Argentina.	Brazil.	British Commonwealth. <sup>1)</sup>	Chile.	Denmark.	Germany	Iceland.	Japan.	Mexico.	Netherlands.	Norway.	Panama.	Portugal.	Spain.	United States of America	U.S.S.R.
<i>Absolute figures:</i>																	
1934-35.....	39,311	809	-	17,533	469	117	-	28	2,000	70	-	16,939	-	276	-	583	487
1935-36.....	44,868	944	-	19,919	238	114	-	85	2,479	-	-	15,670	2,449	480	-	1,989	501
1936-37.....	51,379	1,014	-	21,387	168	1,089	920	79	4,025	-	-	<sup>2)</sup> 15,943	2,389	288	-	3,659	418
1937-38.....	54,835	1,062	-	19,542	300	208	5,839	147	7,552	-	-	<sup>2)</sup> 15,355	1,527	388	-	2,650	265
1938-39.....	45,710	1,024	-	14,104	407	178	5,066	130	9,820	-	-	<sup>2)</sup> 11,871	907	389	-	1,338	476
1939-40.....	37,631	705	-	13,207	-	-	-	-	9,698	-	-	11,040	1,421	552	-	1,008	-
1940-41.....	23,579	868	-	4,361	-	-	-	-	12,920	-	-	4,362	-	501	-	24	543
1941-42.....	6,870	1,066	-	1,162	-	-	-	-	-	-	-	3,456	-	606	-	26	554
1942-43.....	6,794	998	-	1,057	-	-	-	-	-	-	-	3,462	-	770	-	29	478
1943-44.....	3,965	962	-	1,171	367	-	-	-	-	-	-	984	-	476	-	5	-
1944-45.....	5,367	1,296	-	1,229	487	-	-	-	-	-	-	1,787	-	568	-	-	-
1945-46.....	19,335	1,082	-	6,682	585	175	-	-	1,863	-	-	7,687	-	795	-	-	466
1946-47.....	34,634	857	-	14,736	790	284	-	-	3,181	-	770	12,857	-	735	-	38	386
1947-48.....	41,989	814	36	17,150	1,054	302	-	239	3,157	-	1,294	16,104	-	948	-	67	824
<i>Percentage figures:</i>	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1934-35.....	100.0	2.0	-	44.6	1.2	0.3	-	0.1	5.1	0.2	-	43.1	-	0.7	-	1.5	1.2
1935-36.....	100.0	2.1	-	44.4	0.5	0.3	-	0.2	5.5	-	-	34.9	5.5	1.1	-	4.4	1.1
1936-37.....	100.0	2.0	-	41.6	0.3	2.1	1.8	0.2	7.8	-	-	31.0	4.7	0.6	-	7.1	0.8
1937-38.....	100.0	1.9	-	35.6	0.5	0.4	10.7	0.3	13.8	-	-	28.0	2.8	0.7	-	4.8	0.5
1938-39.....	100.0	2.2	-	30.8	0.9	0.4	11.1	0.3	21.5	-	-	26.0	2.0	0.9	-	2.9	1.0
1939-40.....	100.0	1.9	-	35.1	-	-	-	-	25.8	-	-	29.3	3.8	1.5	-	2.6	-
1940-41.....	100.0	3.7	-	18.5	-	-	-	-	54.8	-	-	18.5	-	2.1	-	0.1	2.3
1941-42.....	100.0	15.5	-	16.9	-	-	-	-	-	-	-	50.3	-	8.8	-	0.4	8.1
1942-43.....	100.0	14.7	-	15.6	-	-	-	-	-	-	-	51.0	-	11.3	-	0.4	7.0
1943-44.....	100.0	24.3	-	29.5	9.3	-	-	-	-	-	-	24.8	-	12.0	-	0.1	-
1944-45.....	100.0	24.1	-	22.9	9.1	-	-	-	-	-	-	33.3	-	10.6	-	-	-
1945-46.....	100.0	5.6	-	34.6	3.0	0.9	-	-	9.6	-	-	39.8	-	4.1	-	-	2.4
1946-47.....	100.0	2.5	-	42.6	2.3	0.8	-	-	9.2	-	2.2	37.1	-	2.1	-	0.1	1.1
1947-48.....	100.0	1.9	0.1	40.8	2.5	0.7	-	0.6	7.5	-	3.1	38.3	-	2.3	-	0.2	2.0

<sup>1)</sup> Specification for countries of the British Commonwealth is given in Table h, page 14.

<sup>2)</sup> Including the catch of two Norwegian expeditions hired by Germany—in 1936/37 1,756 whales, in 1937/38 2,158 whales, and in 1938/39 1,658 whales.

Table g.—Whaling results for the various countries 1934/35—1947/48. All areas.  
Oil production in barrels.<sup>1)</sup>

Years.	All countries.	Argentina.	Brazil.	British Commonwealth. <sup>2)</sup>	Chile.	Denmark.	Germany.	Iceland.	Japan.	Mexico.	Netherlands.	Norway.	Panama.	Portugal.	Spain.	United States of America	U.S.S.R.
<i>Absolute figures:</i>																	
1934-35	2,692,825	53,100	—	1,290,096	16,633	2,997	—	691	42,133	3,821	—	1,239,327	—	—	—	24,629	19,398
1935-36	2,873,423	75,192	—	1,240,361	8,789	3,605	—	3,415	74,289	—	—	1,162,742	205,801	—	—	80,991	18,238
1936-37	3,214,510	47,377	—	1,287,627	5,925	79,535	61,992	2,862	189,012	—	—	<sup>3)</sup> 1,191,772	181,495	—	—	150,433	16,480
1937-38	3,640,248	51,766	—	1,308,015	8,279	6,101	369,727	4,920	422,036	—	—	<sup>3)</sup> 1,169,069	117,650	7,284	—	166,299	9,102
1938-39	3,010,098	66,826	—	1,007,223	5,797	5,197	374,149	3,764	496,260	—	—	<sup>3)</sup> 853,867	68,853	6,920	—	102,388	18,854
1939-40	2,666,522	39,432	—	938,147	—	—	—	—	593,499	—	—	909,790	113,000	10,047	—	62,607	—
1940-41	1,266,455	44,498	—	274,987	—	—	—	—	674,319	—	—	244,676	—	9,057	—	683	18,235
1941-42	201,570	60,807	—	47,745	—	—	—	—	—	—	—	64,500	—	13,070	—	948	14,500
1942-43	193,473	50,960	—	39,932	—	—	—	—	—	—	—	72,000	—	13,880	—	760	15,941
1943-44	197,058	50,001	—	40,973	13,863	—	—	—	—	—	—	82,000	—	10,073	—	148	—
1944-45	297,954	75,540	—	40,401	20,784	—	—	—	—	—	—	149,391	—	11,838	—	—	—
1945-46	948,411	45,028	—	307,048	17,557	3,981	—	—	5,837	—	—	536,803	—	16,016	—	—	16,141
1946-47	2,183,714	47,830	—	901,597	22,836	6,286	—	—	80,244	—	77,310	991,709	—	19,537	—	1,365	35,000
1947-48	2,394,087	44,965	—	949,235	26,320	10,277	—	9,000	120,716	—	85,130	1,064,313	—	23,381	—	2,350	58,400
<i>Percentage figures.</i>	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1934-35	100.0	2.0	—	47.9	0.6	0.1	—	—	1.6	0.2	—	46.0	—	—	—	0.9	0.7
1935-36	100.0	2.6	—	43.2	0.3	0.1	—	0.1	2.6	—	—	40.5	7.2	—	—	2.8	0.6
1936-37	100.0	1.5	—	40.1	0.2	2.5	1.9	0.1	5.9	—	—	37.1	5.6	—	—	4.6	0.5
1937-38	100.0	1.4	—	35.9	0.2	0.2	10.2	0.1	11.6	—	—	32.1	3.2	0.2	—	4.6	0.3
1938-39	100.0	2.2	—	33.5	0.2	0.2	12.4	0.1	16.5	—	—	28.4	2.3	0.2	—	3.4	0.6
1939-40	100.0	1.5	—	35.2	—	—	—	—	22.3	—	—	34.1	4.2	0.4	—	2.3	—
1940-41	100.0	3.5	—	21.7	—	—	—	—	53.3	—	—	19.3	—	0.7	—	0.1	1.4
1941-42	100.0	30.2	—	23.7	—	—	—	—	—	—	—	32.0	—	6.5	—	0.4	7.2
1942-43	100.0	26.3	—	20.6	—	—	—	—	—	—	—	37.2	—	7.2	—	0.4	8.3
1943-44	100.0	25.4	—	20.8	7.0	—	—	—	—	—	—	41.6	—	5.1	—	0.1	—
1944-45	100.0	25.3	—	13.6	7.0	—	—	—	—	—	—	50.1	—	4.0	—	—	—
1945-46	100.0	4.7	—	32.4	1.9	0.4	—	—	0.6	—	—	56.6	—	1.7	—	—	1.7
1946-47	100.0	2.2	—	41.3	1.0	0.3	—	—	3.7	—	3.5	45.4	—	0.9	—	0.1	1.6
1947-48	100.0	1.9	—	39.6	1.1	0.4	—	0.4	5.0	—	3.6	44.5	—	1.0	—	0.1	2.4

<sup>1)</sup> Barrel =  $\frac{1}{6}$  ton (1 ton = 1,016 kg). <sup>2)</sup> Specification for countries of the British Commonwealth is given in Table h, page 14. <sup>3)</sup> The figures include the catch of two Norwegian expeditions hired by Germany—in 1936/37 134,200 barrels, in 1937/38 180,750 barrels, and in 1938/39 118,383 barrels.

**Table h.—Whaling results for countries of the British Commonwealth.  
Number of whales killed.**

Years	British Commonwealth	Of which					
		United Kingdom	Union of South Africa	New-foundland	Canada	New Zealand	Australia
1936-37.....	21,387	15,792	4,739	483	317	56	—
1937-38.....	19,542	13,286	5,869	—	310	77	—
1938-39.....	14,104	9,625	4,398	—	—	81	—
1939-40.....	13,207	9,953	2,925	—	220	109	—
1940-41.....	4,361	3,116	759	72	328	86	—
1941-42.....	1,162	359	498	71	163	71	—
1942-43.....	1,057	98	724	54	91	90	—
1943-44.....	1,171	199	819	65	—	88	—
1944-45.....	1,229	216	729	177	—	107	—
1945-46.....	6,682	5,409	984	179	—	110	—
1946-47.....	14,736	10,494	3,972	157	—	111	2
1947-48.....	17,150	11,410	5,115	347	182	92	4
<i>In per cent of all countries</i>	%	%	%	%	%	%	%
1936-37.....	41.6	30.8	9.2	0.9	0.6	0.1	—
1937-38.....	35.6	24.2	10.7	—	0.6	0.1	—
1938-39.....	30.9	21.1	9.6	—	—	0.2	—
1939-40.....	35.1	26.4	7.8	—	0.6	0.3	—
1940-41.....	18.5	13.2	3.2	0.3	1.4	0.4	—
1941-42.....	16.9	5.2	7.3	1.0	2.4	1.0	—
1942-43.....	15.6	1.5	10.7	0.8	1.3	1.3	—
1943-44.....	29.5	5.0	20.7	1.6	—	2.2	—
1944-45.....	22.9	4.0	13.6	3.3	—	2.0	—
1945-46.....	34.6	28.0	5.1	0.9	—	0.6	—
1946-47.....	42.6	30.3	11.5	0.5	—	0.3	—
1947-48.....	40.8	27.2	12.2	0.8	0.4	0.2	—
<b>Oil production in barrels.<sup>1)</sup></b>							
1936-37.....	1,287,627	1,013,789	238,371	19,075	14,719	1,673	—
1937-38.....	1,308,015	959,792	332,775	—	13,057	2,391	—
1938-39.....	1,007,223	796,796	207,738	—	—	2,689	—
1939-40.....	938,147	766,209	159,329	—	8,700	3,909	—
1940-41.....	274,987	229,780	26,638	1,855	13,630	3,084	—
1941-42.....	47,745	17,012	19,740	1,855	6,150	2,988	—
1942-43.....	39,932	4,000	27,373	1,564	3,230	3,765	—
1943-44.....	40,973	7,200	29,380	1,763	—	2,630	—
1944-45.....	40,401	7,478	23,189	5,252	—	4,482	—
1945-46.....	307,048	265,112	30,552	7,200	—	4,184	—
1946-47.....	901,597	638,576	252,556	6,600	—	3,825	40
1947-48.....	949,235	685,650	242,187	11,790	5,679	3,864	65
<i>In per cent of all countries</i>	%	%	%	%	%	%	%
1936-37.....	40.1	31.5	7.4	0.6	0.5	0.1	—
1937-38.....	35.9	26.3	9.1	—	0.4	0.1	—
1938-39.....	33.5	26.5	6.9	—	—	0.1	—
1939-40.....	35.2	28.8	6.0	—	0.3	0.1	—
1940-41.....	21.7	18.2	2.1	0.1	1.1	0.2	—
1941-42.....	23.7	8.4	9.8	0.9	3.1	1.5	—
1942-43.....	20.6	2.1	14.1	0.8	1.7	1.9	—
1943-44.....	20.8	3.7	14.9	0.9	—	1.3	—
1944-45.....	13.6	2.5	7.8	1.8	—	1.5	—
1945-46.....	32.4	28.0	3.2	0.8	—	0.4	—
1946-47.....	41.3	29.2	11.6	0.3	—	0.2	—
1947-48.....	39.6	28.6	10.1	0.5	0.2	0.2	—

<sup>1)</sup> Barrel =  $\frac{1}{8}$  ton (1 ton = 1,016 kg).

**Table i.—Average size of whales killed in the different grounds in the years 1935 to 1939, and 1946 to 1948.**

Species of whales and whaling grounds.	1948	1947	1946	1939	1938	1937	1936	1935
	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
<b>Blue-whales.</b>								
Antarctic:—								
South Georgia . . . . .	76.28	77.09	73.41	75.81	70.89	71.79	74.27	74.15
Pelagic whaling . . . . .	78.45	78.29	78.25	78.11	78.42	77.49	77.75	78.57
Africa:—								
Natal . . . . .	67.50	68.72	64.83	—	67.00	66.23	—	67.43
Cape Province . . . . .	67.00	71.00	—	—	—	—	—	—
Spanish Morocco . . . . .	72.00	—	—	—	—	—	—	—
Brazil:—								
Paraiba . . . . .	70.00	—	—	—	—	—	—	—
North Atlantic and Arctic:								
Norway . . . . .	73.00	70.45	69.41	—	—	—	—	—
Faroe Islands . . . . .	64.67	70.00	69.60	—	68.00	—	—	64.00
West Greenland . . . . .	77.50	74.75	74.67	—	—	—	—	—
Newfoundland . . . . .	74.93	75.40	72.91	—	—	—	70.70	—
Pacific North:—								
Japan . . . . .	71.67	72.90	69.25	—	—	—	—	—
Bonin Island . . . . .	62.00	72.00	—	—	—	—	—	—
Peru . . . . .	68.00	—	—	—	—	—	—	—
Chile . . . . .	74.20	71.09	—	—	—	—	—	—
<b>Fin-whales.</b>								
Antarctic:—								
South Georgia . . . . .	65.76	67.54	66.16	65.37	64.52	63.56	64.66	65.76
Pelagic whaling . . . . .	67.93	67.43	67.48	67.21	67.86	67.80	67.72	67.61
Africa:—								
Natal . . . . .	60.54	60.87	63.51	—	60.14	59.91	—	60.70
Cape Province . . . . .	57.17	55.93	—	—	—	—	—	—
Spanish Morocco . . . . .	60.07	—	—	—	—	—	—	—
North Atlantic and Arctic:								
Norway . . . . .	59.28	60.03	60.84	} 60.62	62.08	62.11	60.66	59.23
Faroe Islands . . . . .	60.62	59.35	60.00					
West Greenland . . . . .	60.24	58.33	60.38					
Newfoundland . . . . .	60.18	61.83	60.48					
Pacific North:—								
California . . . . .	61.68	60.59	—	—	—	—	—	—
British Columbia . . . . .	58.03	—	—	—	—	—	—	—
Japan . . . . .	57.18	58.33	57.29	—	—	—	—	—
Bonin Island . . . . .	56.67	—	—	—	—	—	—	—
Peru . . . . .	55.50	58.00	—	—	—	—	—	—
Chile . . . . .	57.34	71.09	—	—	—	—	—	—
<b>Humpbacks.</b>								
Antarctic:—								
South Georgia . . . . .	41.42	38.57	41.47	—	41.53	39.82	40.29	44.19
Pelagic whaling . . . . .	46.00	48.00	—	39.64	41.07	40.59	41.43	40.83
Africa:—								
Natal . . . . .	38.79	38.80	36.99	—	36.41	36.53	—	36.51
Cape Province . . . . .	44.86	44.40	—	—	—	—	—	—
Brazil:—								
Paraiba . . . . .	41.33	—	—	—	—	—	—	—
North Atlantic and Arctic:								
West Greenland . . . . .	40.00	44.40	40.75	—	—	—	—	—
Newfoundland . . . . .	43.13	37.25	43.20	—	—	—	—	—



Table i (cont.).

Species of whales and whaling grounds.	1948	1947	1946	1939	1938	1937	1936	1935
	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
<b>Pacific North:—</b>								
California .....	43.00	41.85	—	—	—	—	—	—
British Columbia.....	39.48	—	—	—	—	—	—	—
Japan.....	41.00	40.25	39.13	—	—	—	—	—
Bonin Island.....	43.67	44.00	43.00	—	—	—	—	—
Chile.....	41.50	44.50	—	—	—	—	—	—
West Australia.....	37.00	37.50	—	—	—	—	—	—
<b><u>Sei-whales.</u></b>								
<b>Antarctic:—</b>								
South Georgia .....	49.86	49.44	50.11	50.89	49.94	—	—	—
Pelagic whaling.....	52.75	46.50	53.33	51.67	51.00	—	—	—
<b>Africa:—</b>								
Natal.....	43.05	43.18	43.93	—	—	—	—	—
Cape Province.....	44.76	46.46	—	—	—	—	—	—
<b>Brazil:—</b>								
Paraiba.....	47.90	—	—	—	—	—	—	—
<b>North Atlantic and Arctic:</b>								
Norway.....	44.60	44.58	43.64	—	—	—	—	—
Faroe Islands.....	44.00	42.00	47.00	—	—	—	—	—
West Greenland.....	47.00	48.50	—	—	—	—	—	—
<b>Pacific North:—</b>								
California.....	—	52.33	—	—	—	—	—	—
British Columbia.....	46.50	—	—	—	—	—	—	—
Japan.....	42.94	43.68	42.39	—	—	—	—	—
Bonin Island.....	42.31	41.97	41.31	—	—	—	—	—
Chile.....	47.00	46.50	—	—	—	—	—	—
<b><u>Sperm-whales.</u></b>								
<b>Antarctic:—</b>								
South Georgia .....	46.74	45.05	47.74	50.33	50.53	50.82	48.00	50.66
Pelagic whaling.....	51.09	50.77	51.56	52.86	53.27	52.81	54.00	53.29
<b>Africa:—</b>								
Natal.....	38.07	39.20	40.20	—	42.12	38.47	—	—
Cape Province.....	42.97	44.04	—	—	—	—	—	—
Spanish Morocco.....	37.74	—	—	—	—	—	—	—
<b>North Atlantic and Arctic:</b>								
Norway.....	50.57	52.50	48.14	51.70	53.15	52.67	—	—
Faroe Islands.....	49.37	48.40	50.29					
West Greenland.....	45.67	52.67	53.00					
Newfoundland.....	48.93	54.06	53.00					
<b>Pacific North:—</b>								
California.....	45.39	43.60	—	—	—	—	—	—
British Columbia.....	45.29	—	—	—	—	—	—	—
Japan.....	37.21	37.16	36.77	—	—	—	—	—
Bonin Island.....	38.31	36.82	37.83	—	—	—	—	—
Peru.....	42.61	43.39	—	—	—	—	—	—
Chile.....	37.69	40.26	—	—	—	—	—	—

Table j.—North Atlantic and Arctic.

Grounds.	Years.	Species of whales caught.							Oil production.	Expeditions.			
		Blue.	Fin.	Hump-back.	Sel.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.	
<i>North Atlantic and Arctic. Total</i>	1935	10	385	17	125	25	<sup>1)</sup> 6	568	Barrels. 15,341	7	—	—	17
	1936	31	462	15	158	47	<sup>1)</sup> 9	722	22,203	9	—	—	22
	1937	57	1,330	25	173	289	<sup>2)</sup> 36	1,910	69,144	9	2	—	36
	1938	15	565	2	105	36	<sup>1)</sup> 27	750	22,097	7	—	—	22
	1939	26	665	9	59	40	<sup>3)</sup> 3	802	26,066	7	—	—	21
	1940	1	64	7	—	6	—	78	2,950	1	—	—	1
	1941	3	71	3	51	5	—	133	<sup>5)</sup> 1,855	1	—	—	1
	1942	5	120	2	52	2	—	181	<sup>5)</sup> 1,855	1	—	—	1
	1943	1	251	8	45	10	—	315	<sup>5)</sup> 5,564	2	—	—	2
	1944	5	343	10	32	21	—	411	<sup>5)</sup> 8,963	2	—	—	4
	1945	14	504	9	32	26	—	585	14,121	3	—	—	9
	1946	36	1,035	10	12	52	—	1,145	39,472	7	—	—	19
	1947	32	945	11	20	55	—	1,063	35,757	7	—	—	21
	1948	88	1,368	16	60	112	<sup>1)</sup> 49	1,693	61,016	10	—	—	30
<i>Norway.</i>	1935	1	106	—	108	4	<sup>1)</sup> 6	225	4,488	3	—	—	10
	1936	4	147	—	154	17	<sup>1)</sup> 9	331	7,997	4	—	—	12
	1937	9	223	—	55	20	<sup>1)</sup> 35	342	9,467	4	—	—	12
	1938	4	261	—	94	9	<sup>1)</sup> 27	395	11,076	4	—	—	12
	1939	4	282	1	46	14	<sup>3)</sup> 3	350	11,155	3	—	—	9
	1940	—	—	—	—	—	—	—	—	—	—	—	—
	1941	1	6	—	49	5	—	61	<sup>5)</sup> —	—	—	—	—
	1942	1	58	1	48	2	—	110	<sup>5)</sup> —	—	—	—	—
	1943	—	110	2	45	6	—	163	<sup>5)</sup> —	—	—	—	—
	1944	—	112	—	31	4	—	147	<sup>5)</sup> —	—	—	—	—
	1945	3	158	—	27	4	—	192	<sup>5)</sup> 1,391	<sup>6)</sup> 1	—	—	3
	1946	17	392	—	11	21	—	441	15,930	3	—	—	9
	1947	11	285	—	12	16	—	324	10,871	3	—	—	9
1948	2	260	—	35	47	—	344	11,261	4	—	—	11	
<i>Faroe Islands.</i>	1935	3	75	2	3	5	—	88	2,997	1	—	—	2
	1936	2	82	—	1	9	—	94	3,605	2	—	—	5
	1937	7	142	4	11	11	—	175	5,365	2	—	—	5
	1938	2	184	1	6	7	—	200	6,101	2	—	—	6
	1939	2	153	1	8	9	—	173	<sup>4)</sup> 5,197	2	—	—	6
	—	—	—	—	—	—	—	—	—	—	—	—	—
	1946	5	94	1	1	14	—	115	3,981	2	—	—	3
	1947	3	196	—	2	15	—	216	6,286	2	—	—	4
1948	3	223	—	15	30	—	271	10,277	2	—	—	5	
<i>Iceland.</i>	1935	2	25	—	1	—	—	28	691	1	—	—	2
	1936	5	72	—	1	7	—	85	3,415	1	—	—	2
	1937	1	56	1	—	21	—	79	2,862	1	—	—	2
	1938	9	113	—	5	20	—	147	4,920	1	—	—	3
	1939	13	109	1	3	4	—	130	3,764	1	—	—	3
	—	—	—	—	—	—	—	—	—	—	—	—	—
	1948	24	195	—	5	15	—	239	9,000	1	—	—	4
<i>Pelagic whaling in Arctic.</i>	1935	—	—	—	—	—	—	—	—	—	—	—	—
	1936	—	—	—	—	—	—	—	—	—	—	—	—
	1937	28	461	7	100	218	—	814	32,375	—	2	—	11

<sup>1)</sup> Different kinds of small whales. <sup>2)</sup> Different kinds of small whales and 1 right-whale. <sup>3)</sup> 2 Minke-whales and 1 bottlenose. <sup>4)</sup> As no information has been available re. oil production of one shore-station, it has been calculated on basis of the output of the other shore-station. <sup>5)</sup> During the war—owing to shortage of food—a number of licenses were issued for whaling on the Norwegian coast. Fishing boats were used as catchers and the whale meat sold for human food. <sup>6)</sup> Catch result for the shore station and 3 catchers: 3 blue-whales, 27 fin-whales, and 1,391 barrels of whale oil.

Table j (cont.).

Grounds.	Years.	Species of whales caught.							Oil production.	Expeditions. <sup>1)</sup>				
		Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.		
<i>West Greenland.</i>	1935	-	23	6	-	-	-	29	Barrels.	-	-	-	-	
	1936	-	15	5	-	-	-	20	-	-	-	-	-	
	1937	4	9	4	-	-	-	17	-	-	-	-	1	
	1938	-	7	1	-	-	-	8	-	-	-	-	1	
	1939	-	3	2	-	-	-	5	-	-	-	-	1	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1946	3	47	4	-	6	-	60	-	-	-	-	1	
	1947	4	51	5	2	6	-	68	-	-	-	-	1	
	1948	2	21	1	1	6	-	31	-	-	-	-	1	
<i>Newfoundland.</i>	1935	4	156	9	13	16	-	198	7,165	2	-	-	3	
	1936	20	146	10	2	14	-	192	7,186	2	-	-	3	
	1937	8	439	9	7	19	<sup>1)</sup> 1	483	19,075	2	-	-	5	
	1938	-	-	-	-	-	-	-	-	-	-	-	-	
	1939	7	118	4	2	13	-	144	5,950	1	-	-	2	
	1940	1	64	7	-	6	-	78	2,950	1	-	-	1	
	1941	2	65	3	2	-	-	72	1,855	1	-	-	1	
	1942	4	62	1	4	-	-	71	<sup>2)</sup> 1,855	1	-	-	1	
	1943	1	141	6	-	4	-	152	5,564	2	-	-	2	
	1944	5	231	10	1	17	-	264	8,963	2	-	-	4	
	1945	11	346	9	5	22	-	393	12,730	2	-	-	6	
	1946	11	502	5	-	11	-	529	19,561	2	-	-	6	
	1947	14	413	6	4	18	-	455	18,600	2	-	-	7	
	1948	57	669	15	4	14	<sup>3)</sup> 49	808	30,478	3	-	-	9	

<sup>1)</sup> Right-whale. <sup>2)</sup> Calculate l. <sup>3)</sup> Different kinds of small whales.

Tables *f* and *g* give the total number of whales killed and the oil production in absolute and percentage figures, distributed in respect to the various participating countries. The term country in this sense refers, as far as pelagic whaling is concerned, to the nation under whose flag the floating factories have been operating. As for the shore stations, their whaling results have been registered according to the country where the whaling companies are registered. As mentioned in the preface the catch registered under the British Commonwealth has also been specified separately for the various countries: United Kingdom, Union of South Africa, Newfoundland, Canada, New Zealand and Australia, see table *h*, page 14.

On the basis of measurement-records received, the average size of the whales killed has been calculated. In table *i*, on page 15, the average size of whales killed in 1947-48 and summer 1948 is compared with the corresponding figures from and including 1934-35.

### Whaling in the various areas outside Antarctic.

Table *j*, on page 17, embraces the catch in the North Atlantic and Arctic, specified for the various grounds. The catch in 1948 amounted to 1,693 whales killed, yielding 61,016 barrels of oil. Excepting 1937, this is the largest output of oil since 1911.

Table k.—Portugal, Azores, and Madeira.

Years	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back	Sci.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers. <sup>1)</sup>
1935	—	—	—	—	136	<sup>2)</sup> 140	276	Barrels.	—	—	—
1936	—	—	—	—	172	<sup>2)</sup> 308	<sup>3)</sup> 480	—	—	—	—
1937	—	—	—	—	80	<sup>2)</sup> 208	<sup>4)</sup> 288	—	—	—	—
1938	—	—	—	—	—	<sup>2)</sup> 388	<sup>5)</sup> 388	7,284	—	—	—
1939	—	—	—	—	—	<sup>2)</sup> 389	389	6,920	—	—	—
1940	—	—	—	—	—	<sup>2)</sup> 552	552	10,047	—	—	—
1941	—	—	—	—	—	<sup>2)</sup> 501	501	9,057	—	—	—
1942	—	—	—	—	—	<sup>2)</sup> 606	606	13,070	—	—	—
1943	—	—	—	—	—	<sup>2)</sup> 770	770	13,880	—	—	—
1944	—	38	—	—	20	<sup>2)</sup> 418	476	10,073	—	—	—
1945	—	36	—	—	11	<sup>2)</sup> 521	568	11,838	—	—	—
1946	—	42	—	—	753	—	795	16,016	—	—	—
1947	—	111	—	—	624	—	735	19,537	—	—	—
1948	—	106	—	—	842	—	948	23,381	—	—	—

<sup>1)</sup> Whaling is carried on with row-boats on old lines. <sup>2)</sup> No specification. <sup>3)</sup> The whales have been caught during the period <sup>1)</sup>/<sub>9</sub> 1935—<sup>31</sup>/<sub>12</sub> 1936. <sup>4)</sup> The whales have been caught during the period <sup>1</sup>/<sub>1—30</sub>/<sub>11</sub> 1937. <sup>5)</sup> Probably a small number of whales has also been caught from the island of São Miguel and perhaps also from some others of the islands of Azores, but no information is available.

According to table *j* 1 new shore station has commenced whaling off Norway, thereby bringing the number of stations on the west coast of Norway up to that of 1938. In 1948 1 shore station on Iceland resumed whaling operations with 4 catchers. 239 whales were killed and 9,000 barrels of oil were produced in 1948, the best result recorded for Iceland since 1911. A new company with 1 shore station commenced whaling from Newfoundland in 1948. With a total participation of 3 shore stations and 9 catchers on this ground in 1948, the result amounted to 808 whales, yielding 30,478 barrels of oil. It is necessary to go as far back as to 1905 to record a comparable result.

Table *k*, above, includes whaling from Portugal, the Azores and Madeira. In 1948 the output of oil in these waters amounted to 23,381 barrels, the largest production recorded for the period included in the table. The reports received from the Azores and Madeira contain no specification as to the species of whales killed. According to information obtained elsewhere, it appears that the catch in these waters consists entirely of sperm-whales. The number of whales killed has therefore been recorded under this item. The catch off the coast of Portugal consists of fin- and sperm-whales.

Table *l*, on page 20, contains a survey of the catch along the coasts of Africa. As will be seen 1 shore station commenced whaling off Spanish Morocco in 1948. In earlier volumes this table refers to one of the grounds as Cape Colony, but this name is now altered to Cape Province.

Table *m*, page 21, covers whaling in the Pacific North. The table shows that whaling was resumed from British Columbia in 1948 with 1 shore station and 4 catchers. This station had been closed down since 1943.

Table I.—Africa.

Grounds.	Years.	Species of whales caught.							Oil production.	Expeditions.			
		Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.	
<i>Africa. Total.</i>	1935	122	526	1,659	100	595	<sup>1)</sup> 2	3,004	117,950	2	3	27	
	1936	120	1,095	1,168	305	1,073	<sup>2)</sup> 7	3,768	135,081	3	3	43	
	<sup>3)</sup> 1937	128	1,175	1,789	121	710	<sup>4)</sup> 43	3,966	169,772	3	2	39	
	<sup>3)</sup> 1938	40	538	1,927	66	473	—	3,044	139,102	1	1	22	
	<sup>3)</sup> 1939	27	502	200	42	676	<sup>5)</sup> 1,240	2,687	106,793	2	1	?	
	1940	28	324	176	25	482	—	1,035	40,419	1	—	11	
	1941	6	193	79	5	476	—	759	26,638	1	—	5	
	1942	2	204	156	13	123	—	498	19,740	1	—	5	
	1943	10	301	80	34	299	—	724	27,373	1	—	5	
	1944	5	227	115	24	448	—	819	29,380	1	—	5	
	1945	3	162	116	34	414	—	729	23,189	1	—	5	
	1946	12	145	93	75	659	—	984	30,552	1	—	8	
	1947	19	529	95	158	550	<sup>2)</sup> 55	1,406	47,677	2	—	18	
	1948	21	606	196	192	998	<sup>2)</sup> 248	2,261	63,352	3	—	24	
<i>Natal.</i>	1935	122	526	418	90	595	<sup>1)</sup> 2	1,753	67,008	2	—	17	
	1936	41	528	301	68	911	—	1,849	64,570	2	—	18	
	1937	67	755	240	64	503	—	1,629	67,979	2	—	16	
	1938	39	536	175	64	425	—	1,239	54,352	1	—	16	
	1939	27	502	200	42	615	—	1,386	51,529	2	—	16	
	1940	28	324	176	25	482	—	1,035	40,419	1	—	11	
	1941	6	193	79	5	476	—	759	26,638	1	—	5	
	1942	2	204	156	13	123	—	498	19,740	1	—	5	
	1943	10	301	80	34	299	—	724	27,373	1	—	5	
	1944	5	227	115	24	448	—	819	29,380	1	—	5	
	1945	3	162	116	34	414	—	729	23,189	1	—	5	
	1946	12	145	93	75	659	—	984	30,552	1	—	8	
	1947	18	485	90	119	502	—	1,214	44,274	1	—	13	
	1948	16	426	182	109	846	—	1,579	49,431	1	—	16	
<i>Cape Province.</i>	1936	79	566	27	214	108	<sup>2)</sup> 7	1,001	31,799	1	—	14	
	1937	57	398	28	49	207	<sup>4)</sup> 43	782	34,515	1	—	13	
	—	—	—	—	—	—	—	—	—	—	—	—	
	1947	1	44	5	39	48	<sup>2)</sup> 55	192	3,403	1	—	5	
1948	4	134	14	83	105	<sup>2)</sup> 238	578	11,700	1	—	6		
<i>Congo.</i>	1935	—	—	1,241	10	—	—	1,251	50,942	—	3	10	
	1936	—	1	840	23	54	—	918	38,712	—	3	11	
	1937	—	—	298	—	—	—	298	13,778	—	1	4	
<i>South of Madagascar.</i>	1937	4	22	1,223	8	—	—	1,257	53,500	—	1	6	
	1938	1	2	1,752	2	48	—	1,805	84,750	—	1	6	
	1939	—	—	—	—	61	<sup>5)</sup> 1,240	1,301	55,264	—	1	?	
<i>Spanish Morocco.</i>	1948	1	46	—	—	47	<sup>2)</sup> 10	104	2,221	1	—	2	

<sup>1)</sup> Right-whales. <sup>2)</sup> Bryde-whales. <sup>3)</sup> Including South of Madagascar. <sup>4)</sup> 7 right-whales and 36 Bryde-whales. <sup>5)</sup> No specification.

From table *n*, on page 22, one will observe that the number of whales killed in 1948 from Japanese stations was smaller than during the two previous seasons, while the production of oil has increased considerably. As previously mentioned the whale is chiefly used for human consumption, but owing to the great increase in the output of oil last season, it is reason-

Table m.—Pacific North.

Grounds.	Years.	Species of whales caught.							Oil production.	Expeditions.			
		Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.	
<i>Pacific North. Total.</i>	1935	140	117	148	6	253	<sup>2)</sup> 191	855	38,784	3	2	16	
	1936	44	208	132	—	377	<sup>1)</sup> 96	857	36,896	4	1	15	
	1937	54	228	114	13	321	—	730	33,389	4	1	14	
	1938	37	115	16	—	315	—	483	22,891	3	—	11	
	1939	5	93	85	—	49	—	232	9,424	2	—	5	
	1940	36	388	129	3	307	<sup>1)</sup> 59	922	39,801	2	1	8	
	1941	41	441	49	7	390	<sup>3)</sup> 3	931	38,135	3	1	15	
	1942	1	35	19	1	133	—	189	7,098	2	—	4	
	1943	—	34	12	2	72	—	120	3,990	2	—	5	
	1944	—	1	1	2	1	—	5	148	1	—	2	
	1945	—	—	—	—	—	—	—	—	—	—	—	
	1946	—	—	12	29	72	—	113	<sup>4)</sup> 118	—	1	2	
	1947	4	17	14	161	206	—	402	2,137	1	3	6	
	1948	1	59	134	107	191	—	492	8,815	2	2	11	
<i>California.</i>	1935	—	—	—	—	—	<sup>1)</sup> 189	189	5,144	—	1	2	
	1936	—	—	—	—	—	<sup>1)</sup> 96	96	2,602	—	1	2	
	1937	8	14	3	12	—	—	37	1,002	—	1	2	
	1938	—	—	—	—	—	—	—	—	—	—	—	
	1939	—	2	59	—	—	—	61	1,837	1	—	2	
	1940	—	6	19	—	4	—	29	1,607	1	—	1	
	1941	—	7	16	—	1	—	24	633	1	—	2	
	1942	—	10	12	1	3	—	26	948	1	—	1	
	1943	—	19	5	2	3	—	29	760	1	—	3	
	1944	—	1	1	2	1	—	5	148	1	—	2	
	—	—	—	—	—	—	—	—	—	—	—	—	
	1947	—	17	13	3	5	—	38	1,365	1	—	2	
	1948	—	19	16	—	32	—	67	2,350	1	—	2	
	<i>British Columbia.</i>	1935	6	20	1	—	175	—	202	10,334	1	—	4
1936		3	48	14	—	311	—	376	16,969	2	—	6	
1937		1	44	7	—	265	—	317	14,719	2	—	6	
1938		4	50	4	—	252	—	310	13,157	2	—	6	
1939		—	—	—	—	—	—	—	—	—	—	—	
1940		2	90	2	—	126	—	220	8,700	1	—	3	
1941		1	67	27	—	233	—	328	13,630	2	—	6	
1942		1	25	7	—	130	—	163	6,150	1	—	3	
1943		—	15	7	—	69	—	91	3,230	1	—	2	
—		—	—	—	—	—	—	—	—	—	—	—	
1948		—	37	115	2	28	—	182	5,679	1	—	4	
<i>Alaska.</i>	1935	87	94	141	—	70	<sup>3)</sup> 2	394	19,485	2	—	7	
	1936	41	160	118	—	66	—	385	17,325	2	—	7	
	1937	45	170	104	1	56	—	376	17,668	2	—	6	
	1938	33	65	12	—	63	—	173	9,734	1	—	5	
	1939	5	91	26	—	49	—	171	7,587	1	—	3	
<i>Mexico</i>	1935	47	3	6	6	8	—	70	3,821	—	1	3	
<i>Pelagic whaling.</i>	1940	34	292	108	3	177	<sup>1)</sup> 59	673	29,494	—	1	4	
	1941	40	367	6	7	156	<sup>3)</sup> 3	579	23,822	—	1	7	
<i>Bonin Island, pelagic.</i>	1946	—	—	12	29	72	—	113	<sup>4)</sup> 118	—	1	2	
	1947	4	—	1	158	201	—	364	<sup>4)</sup> 772	—	3	4	
	1948	1	3	3	105	131	—	243	<sup>4)</sup> 786	—	2	5	

<sup>1)</sup> No specification. <sup>2)</sup> 2 right-whales and 189 without specification. <sup>3)</sup> Right-whales. <sup>4)</sup> The whale is mainly used for human food.

Table n.—Japan and Corea.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sci.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1935	21	273	70	380	479	<sup>1)</sup> 564	1,787	Barrels. 29,178	—	—	21
1936	3	241	72	348	549	<sup>1)</sup> 627	1,840	30,144	17	—	23
1937	12	300	68	435	640	<sup>2)</sup> 611	2,066	32,425	8	—	24
1938	4	293	60	553	785	<sup>3)</sup> 275	1,970	33,353	21	—	25
1939	10	241	86	677	1,266	—	2,280	12,784	<sup>4)</sup> —	—	23
1940	15	252	33	429	1,306	—	2,035	25,143	<sup>4)</sup> —	—	45
1941	26	360	40	623	1,298	<sup>5)</sup> 2	2,349	28,084	<sup>4)</sup> —	—	49
—	—	—	—	—	—	—	—	—	—	—	—
1946	8	232	8	545	957	—	1,750	<sup>6)</sup> 5,719	17	—	41
1947	30	257	8	383	964	—	1,642	<sup>6)</sup> 6,177	15	—	38
1948	49	176	8	533	823	<sup>5)</sup> 1	1,590	<sup>6)</sup> 15,018	15	—	39

<sup>1)</sup> No specification. <sup>2)</sup> Different kinds of small whales and 5 right-whales. <sup>3)</sup> Different kinds of small whales and 2 right-whales. <sup>4)</sup> No information of the number of shore stations in operation. <sup>5)</sup> Right-whales. <sup>6)</sup> The whale is mainly used for human food.

able to conclude that the meat and the blubber of the whale is now also largely used in the oil production.

Table o, below, records the whaling off Kamtchatka. As mentioned in the preface a Russian floating factory was operating on this ground both in 1947 and 1948, but the statistical data are not yet available. International Whaling Statistics are in want of particulars from U.S.S.R. also for the years 1944 and 1945.

The whaling activities on the coast of Chile and Peru have declined during 1948 as compared with the previous season, when

Table o.—Kamtchatka.

Years	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sci.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1934	2	150	51	1	74	<sup>1)</sup> 61	339	Barrels. 12,168	—	1	3
1935	1	206	143	—	—	<sup>2)</sup> 137	487	19,398	—	1	3
1936	5	210	68	—	113	<sup>3)</sup> 105	501	18,238	—	1	3
1937	—	142	65	1	198	<sup>4)</sup> 12	418	<sup>5)</sup> 16,480	—	1	3
1938	—	104	43	—	64	<sup>6)</sup> 54	265	9,102	—	1	3
1939	—	238	43	—	154	<sup>7)</sup> 41	476	18,854	—	1	3
1940	—	—	—	—	—	—	—	—	—	—	—
1941	9	254	7	11	194	<sup>8)</sup> 68	543	18,235	—	1	3
1942	2	203	12	—	215	<sup>9)</sup> 122	554	14,500	—	1	3
1943	—	132	29	—	216	<sup>10)</sup> 101	478	15,941	—	1	3
—	—	—	—	—	—	—	—	—	—	—	—
1946	2	117	9	—	316	<sup>2)</sup> 22	466	16,141	—	1	3

<sup>1)</sup> 54 grey-whales, 6 bottlenoses and 1 Minke-whale. <sup>2)</sup> No specification. <sup>3)</sup> 102 grey-whales and 3 without specification. <sup>4)</sup> 11 grey-whales and 1 right-whale. <sup>5)</sup> The quantity of oil has been calculated as no information was to hand re. oil production. <sup>6)</sup> Grey-whales. <sup>7)</sup> 29 grey-whales and 12 without specification. <sup>8)</sup> 2 Minke-whales, 57 grey-whales, 5 bottlenoses, and 4 dolphins. <sup>9)</sup> 3 Minke-whales, 101 grey-whales, 7 bottlenoses, and 11 dolphins. <sup>10)</sup> 99 grey-whales, 1 bottlenose, and 1 dolphin.

Table p.—Chile and Peru.

Years	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
1935	40	71	29	85	173	<sup>1)</sup> 71	469	16,633	3	1	5
1936	174	235	18	10	2,109	<sup>2)</sup> 1	2,547	70,642	2	2	19
1937	81	130	18	3	3,888	—	4,120	101,756	<sup>3)</sup> 2	3	<sup>3)</sup> 25
1938	15	56	6	44	767	<sup>2)</sup> 14	902	21,148	<sup>4)</sup> —	<sup>4)</sup> 1	<sup>4)</sup> 8
1939	2	99	7	15	279	<sup>2)</sup> 5	407	5,797	1	1	4
1940	—	—	—	—	—	—	—	—	—	—	—
1941	—	—	—	—	1,914	—	1,914	41,359	—	1	8
1942	—	—	—	—	3,346	—	3,346	64,500	—	1	8
1943	—	—	—	—	3,299	—	3,299	72,000	—	1	8
1944	2	61	—	—	304	—	367	13,863	1	—	3
1945	42	80	—	—	365	—	487	20,784	1	—	3
1946	11	224	13	1	336	—	585	17,557	1	—	4
1947	23	85	14	2	3,556	—	3,680	128,822	1	2	20
1948	83	289	2	3	3,178	—	3,555	114,525	1	1	13

<sup>1)</sup> Different kinds of small whales and 36 right-whales. <sup>2)</sup> Right whales. <sup>3)</sup> The figures for the shore stations on the coast of Chile and the number of catchers attached thereto are not confirmed by the companies. <sup>4)</sup> No information as to the material in operation off the coast of Chile.

the output of oil was the largest ever recorded on these grounds, see table *p* above. The decrease is due to the fact that only 1 floating factory was engaged in sperm-whale catching off Peru in 1948 against 2 floating factories the previous year.

Specifications concerning the whaling from New Zealand will be found in table *q*, below.

Table q.—New Zealand.

Years.	Species of whales caught.							Oil production.	Expeditions.			
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.	
								Barrels.				
1935.....	—	—	57	—	—	—	57	1,542	1	—	<sup>1)</sup> —	
1936.....	—	—	69	—	—	—	69	1,673	1	—	<sup>1)</sup> —	
1937.....	1	—	55	—	—	—	56	1,673	1	—	3	
1938.....	1	—	75	—	1	—	77	2,391	1	—	3	
1939.....	1	—	80	—	—	—	81	2,689	1	—	—	
1940.....	—	—	107	—	2	—	109	3,909	1	—	—	
1941.....	—	—	86	—	—	—	86	3,084	1	—	—	
1942.....	—	—	71	—	—	—	71	2,988	1	—	—	
1943.....	—	—	90	—	—	—	90	3,765	1	—	—	
1944.....	—	—	88	—	—	—	88	2,630	1	—	—	
1945.....	—	—	107	—	—	—	107	4,482	1	—	—	
1946.....	—	—	110	—	—	—	110	4,184	1	—	—	
1947.....	1	—	101	—	9	—	111	3,825	1	—	—	
1948.....	—	—	92	—	—	—	92	3,864	1	—	3	

<sup>1)</sup> No information as to the number of catchers.



In 1949 operations outside Antarctic have been carried on in the same areas as in 1948, excepting Spanish Morocco. In addition whaling has been carried on from French West-Africa with 1 floating factory and 1 shore station and from the coast of Madagascar with 1 floating factory. As commonly known pelagic killing of baleen whales is prohibited in most areas north of 40° south, but the operations of the two floating factories mentioned above were considered as from shore stations, according to the International Whaling Convention of 1946. Whaling from West Australia has been somewhat extended in 1949 compared with 1948.

Statistics covering the summer operations in 1949 will be published in "International Whaling Statistics" No. XXV.

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Table No. 1.—Whaling in 1947/48 and summer 1948.

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 . . . . .	46	2,142	24	609	128	—	2,949	163,398	3	—	21
Antarctic, pelagic whaling . . . . .	6,862	18,999	2	12	2,494	—	28,369	1,940,653	—	17	162
Africa:—											
Natal . . . . .	16	426	182	109	846	—	1,579	49,431	1	—	16
Cape Province . . . . .	4	134	14	83	105 <sup>2)</sup>	238	578	11,700	1	—	6
Spanish Morocco . . . . .	1	46	—	—	47 <sup>2)</sup>	10	104	2,221	1	—	2
Brazil:—											
Paraiba . . . . .	1	—	21	10	—	—	32	—	1	—	1
Sta Catarina . . . . .	—	—	—	—	—	3)	4	—	1	—	—
Atlantic and Arctic:											
Azores . . . . .	—	—	—	—	645	—	645	15,555	—	—	—
Madeira . . . . .	—	—	—	—	162	—	162	4,129	—	—	—
Portugal . . . . .	—	106	—	—	35	—	141	3,697	1	—	3
Norway . . . . .	2	260	—	35	47	—	344	11,261	4	—	11
Faroe Islands . . . . .	3	223	—	15	30	—	271	10,277	2	—	5
Iceland . . . . .	24	195	—	5	15	—	239	9,000	1	—	4
West Greenland . . . . .	2	21	1	1	6	—	31 <sup>4)</sup>	—	—	—	1
Newfoundland . . . . .	57	669	15	4	14 <sup>5)</sup>	49	808	30,478	3	—	9
Pacific North:—											
California . . . . .	—	19	16	—	32	—	67	2,350	1	—	2
British Columbia . . . . .	—	37	115	2	28	—	182	5,679	1	—	4
Japan . . . . .	49	176	8	533	823 <sup>6)</sup>	1	1,590 <sup>4)</sup>	15,018	15	—	39
Bonin Island, pelagic whaling . . . . .	1	3	3	105	131	—	243 <sup>4)</sup>	786	—	2	5
Peru, pelagic whaling . . . . .	1	2	—	1	2,497	—	2,501	88,205	—	1	7
Chile . . . . .	82	287	2	2	681	—	1,054	26,320	1	—	6
West Australia . . . . .	—	—	4	—	—	—	4	65	1	—	1
New Zealand . . . . .	—	—	92	—	—	—	92	3,864	1	—	3
<b>Total</b>	<b>7,151</b>	<b>23,745</b>	<b>499</b>	<b>1,526</b>	<b>8,766</b>	<b>302</b>	<b>41,989</b>	<b>2,394,087</b>	<b>39</b>	<b>20</b>	<b>308</b>

<sup>1)</sup> 1 ton = 1,016 kg. <sup>2)</sup> Bryde-whales. <sup>3)</sup> No specification. <sup>4)</sup> The whale is mainly used for human food. <sup>5)</sup> Different kinds of small whales. <sup>6)</sup> Right-whale.

Table No. 2.—Norwegian whaling in 1947/48 and summer 1948.

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 . . . . .	8	747	8	187	28	—	978	55,716	1	—	7
Antarctic, pelagic . . . . .	2,730	10,906	—	2	1,040	—	14,678	995,115	—	9	85
Norway . . . . .	2	260	—	35	47	—	344	11,261	4	—	11
Spanish Morocco . . . . .	1	46	—	—	47 <sup>1)</sup>	10	104	2,221	1	—	2
<b>Total</b>	<b>2,741</b>	<b>11,959</b>	<b>8</b>	<b>224</b>	<b>1,162</b>	<b>10</b>	<b>16,104</b>	<b>1,064,313</b>	<b>6</b>	<b>9</b>	<b>105</b>

<sup>1)</sup> Bryde-whales.

Table No. 3.—Whaling of United Kingdom in 1947/48 and summer 1948.

Geographical areas.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sci.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
South Georgia . . . . .	22	817	8	268	42	—	1,157	Barrel = 1/6 ton. 62,717	1	—	7
Antarctic, pelagic . .	2,162	4,338	2	10	779	—	7,291	516,040	—	3	35
Peru, pelagic . . . . .	1	2	—	1	2,497	—	2,501	88,205	—	1	7
Newfoundland . . . . .	47	389	13	3	9	—	461	18,688	1	—	4
Total	2,232	5,546	23	282	3,327	—	11,410	685,650	2	4	53

Table No. 4.—Whaling results for the various countries in 1947/48 and summer 1948.

Countries.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sci.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
Norway . . . . .	2,741	11,959	8	224	1,162	<sup>1)</sup> 10	16,104	Barrel = 1/6 ton. 1,064,313	6	9	105
British Commonwealth . . . . .	3,002	8,148	432	477	4,804	287	17,150	949,235	9	5	102
United Kingdom . . . . .	2,232	5,546	23	282	3,327	—	11,410	685,650	2	4	53
Union of South Africa . . . . .	760	2,285	196	192	1,444	<sup>1)</sup> 238	5,115	242,187	2	1	36
Newfoundland . . . . .	10	280	2	1	5	<sup>2)</sup> 49	347	11,790	2	—	5
Canada . . . . .	—	37	115	2	28	—	182	5,679	1	—	4
New Zealand . . . . .	—	—	92	—	—	—	92	3,864	1	—	3
Australia . . . . .	—	—	4	—	—	—	4	65	1	—	1
Japan . . . . .	764	787	11	638	956	<sup>3)</sup> 1	3,157	120,716	15	4	56
The Netherlands . . . . .	331	830	—	—	133	—	1,294	85,130	—	1	8
U.S.S.R. . . . .	185	592	—	—	47	—	824	58,400	—	1	8
Argentina . . . . .	16	578	8	154	58	—	814	44,965	1	—	7
Chile . . . . .	82	287	2	2	681	—	1,054	26,320	1	—	6
Portugal . . . . .	—	106	—	—	842	—	948	23,381	1	—	3
Denmark . . . . .	5	244	1	16	36	—	302	10,277	2	—	6
Iceland . . . . .	24	195	—	5	15	—	239	9,000	1	—	4
United States of America . . . . .	—	19	16	—	32	—	67	2,350	1	—	2
Brazil . . . . .	1	—	21	10	—	<sup>4)</sup> 4	33	—	2	—	1
Total	7,151	23,745	499	1,526	8,766	302	41,989	2,394,087	39	20	308

<sup>1)</sup> Bryde-whales. <sup>2)</sup> Different kinds of small whales. <sup>3)</sup> Right-whale. <sup>4)</sup> No specification.

Table No. 5.—Average size of whales caught in the summer season 1948.

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
<b>A. Blue-whales.</b>		Engl. feet.	Engl. feet.	Engl. feet.
Africa:—				
Natal . . . . .	—	67.50	67.50	67.50
Males 6 } Total 16.				
Females 10 }				

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
Cape Province . . . . .	—	65.00	68.00	67.00
Male 1 } Total 3. Females 2 }				
Spanish Morocco . . . . .	—	72.00	—	—
Male 1.				
Africa, total . . . . .	—	67.75	67.58	67.65
Males 8 } Total 20. Females 12 }				
<i>Brazil:</i> Paraiba . . . . .	—	70.00	—	—
Male 1.				
<i>Atlantic and Arctic:—</i>				
Norway . . . . .	—	73.00	—	—
Males 2.				
Faroe Islands . . . . .	—	64.67	—	—
Males 3.				
West Greenland . . . . .	—	77.50	—	—
Males 2.				
Newfoundland . . . . .	No. 1	73.40	77.05	75.11
Males 29 } Total 57. Females 28 }	„ 2	73.25	74.67	74.10
Average		73.38	76.54	74.93
Atlantic and Arctic, total . . . .	—	72.86	76.54	74.47
Males 36 } Total 64. Females 28 }				
<i>Pacific North:—</i>				
Japan . . . . .	No. 1	69.33	76.33	74.00
Males 23 } Total 49. Females 26 }	„ 2	70.53	72.18	71.18
Average	„ 3	69.33	71.67	71.08
Average		70.22	72.96	71.67
Bonin Island, pelagic . . . . .	—	62.00	—	—
Male 1.				
Pacific North, total . . . . .	—	69.88	72.96	71.48
Males 24 } Total 50. Females 26 }				
<i>Peru,</i> pelagic . . . . .	—	—	68.00	—
Female 1.				
<i>Chile</i> . . . . .	—	72.82	75.79	74.20
Males 44 } Total 82. Females 38 }				

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
<b>B. Fin-whales.</b>				
<i>Africa:—</i>				
Natal .....	—	60.76	60.27	60.54
Males 229 } Total 426.				
Females 197 }				
Cape Province .....	—	56.70	57.89	57.17
Males 81 } Total 134.				
Females 53 }				
Spanish Morocco .....	—	59.76	60.32	60.07
Males 21 } Total 46.				
Females 25 }				
Africa, total .....	—	59.71	59.81	59.76
Males 331 } Total 606.				
Females 275 }				
<i>Atlantic and Arctic:—</i>				
Norway .....	No. 1	58.53	61.56	60.43
Males 133 } Total 260.	" 2	56.38	63.71	59.52
Females 127 }	" 3	57.31	60.20	58.76
	" 4	57.74	58.78	58.20
Average		57.17	61.49	59.28
Faroe Islands .....	No. 1	60.13	63.40	61.67
Males 112 } Total 223.	" 2	58.61	60.84	59.77
Females 111 }				
Average		59.33	61.93	60.62
West Greenland .....	—	57.50	62.73	60.24
Males 10 } Total 21.				
Females 11 }				
Newfoundland .....	No. 1	58.72	61.96	60.24
Males 374 } Total 669.	" 2	59.36	61.25	60.15
Females 295 }	" 3	64.00	57.33	59.00
Average		59.12	61.52	60.18
Atlantic and Arctic, total ....	—	58.72	61.62	60.06
Males 629 } Total 1,173.				
Females 544 }				
<i>Pacific North:—</i>				
California .....	—	61.50	62.67	61.68
Males 16 } Total 19.				
Females 3 }				
British Columbia .....	—	57.88	58.15	58.03
Males 17 } Total 37.				
Females 20 }				
Japan .....	No. 1	57.71	59.14	58.38
Males 89 } Total 176.	" 2	55.75	56.79	56.31
Females 87 }	" 3	55.69	56.76	56.23
Average		56.63	57.75	57.18

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
Bonin Island, pelagic .....	No. 1 " 2	Engl. feet. 62.00	Engl. feet. —	Engl. feet. —
Males 2 } Total 3. Female 1 }		56.00	57.00	56.50
Average		56.50	57.00	56.67
Pacific North, total.....	—	57.43	57.95	57.67
Males 124 } Total 235. Females 111 }				
<i>Peru</i> , pelagic.....	—	55.50	—	—
Males 2.				
<i>Chile</i> .....	—	56.97	57.74	57.34
Males 149 } Total 287. Females 138 }				
<b>C. Humpbacks.</b>				
<i>Africa</i> :—				
Natal.....	—	38.13	39.69	38.79
Males 105 } Total 182. Females 77 }				
Cape Province .....	—	43.20	49.00	44.86
Males 10 } Total 14. Females 4 }				
Africa, total.....	—	38.57	40.15	39.22
Males 115 } Total 196. Females 81 }				
<i>Brazil</i> : Paraiba .....	—	38.78	43.25	41.33
Males 9 } Total 21. Females 12 }				
<i>Atlantic and Arctic</i> :—				
West Greenland .....	—	—	40.00	—
Female 1.				
Newfoundland.....	No. 1 " 2	42.29	45.33	43.69
Males 8 } Total 15. Females 7 }		45.00	34.00	39.50
Average		42.63	43.71	43.13
Atlantic and Arctic, total....	—	42.63	43.25	42.94
Males 8 } Total 16. Females 8 }				
<i>Pacific North</i> :—				
California .....	—	41.00	44.56	43.00
Males 7 } Total 16. Females 9 }				
British Columbia.....	—	38.67	40.22	39.48
Males 55 } Total 115. Females 60 }				

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
Japan.....	No. 1	Engl. feet. 42.00	Engl. feet. 41.00	Engl. feet. 41.25
Male 1 } Females 7 } Total 8.	" 2	—	40.75	—
Average		42.00	40.86	41.00
Bonin Island, pelagic .....	No. 1	—	45.00	—
Males 2 } Female 1 } Total 3.	" 2	43.00	—	—
Average		43.00	45.00	43.67
Pacific North, total.....	—	39.11	40.84	40.05
Males 65 } Females 77 } Total 142.				
Chile .....	—	35.00	48.00	41.50
Male 1 } Female 1 } Total 2.				
West Australia .....	—	37.00	—	—
Males 4.				
<b>D. Sei-whales.</b>				
<i>Africa:—</i>				
Natal.....	—	43.04	43.05	43.05
Males 53 } Females 56 } Total 109.				
Cape Province .....	—	43.83	45.44	44.76
Males 35 } Females 48 } Total 83.				
Africa, total.....	—	43.35	44.15	43.79
Males 88 } Females 104 } Total 192.				
Brazil: Paraiba.....	—	48.00	47.00	47.90
Males 9 } Females 1 } Total 10.				
<i>Atlantic and Arctic:—</i>				
Norway .....	No. 1	44.75	46.50	45.33
Males 27 } Females 8 } Total 35.	" 2	44.10	45.67	44.44
	" 3	46.00	—	—
	" 4	43.00	—	—
Average		44.22	45.88	44.60
Faroe Islands .....	No. 1	42.75	46.60	44.89
Males 7 } Females 8 } Total 15.	" 2	41.33	44.00	42.67
Average		42.14	45.63	44.00
West Greenland .....	—	47.00	—	—
Male 1.				

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
Newfoundland .....	No. 1	—	46.00	—
Males 3 } Total 4.	" 2	45.67	—	—
Females 1 }				
Average		45.67	46.00	45.75
Atlantic and Arctic, total ....	—	43.95	45.83	44.56
Males 37 } Total 55.				
Females 18 }				
<i>Pacific North</i> :—				
British Columbia .....	—	46.00	47.00	46.50
Male 1 } Total 2.				
Female 1 }				
Japan .....	No. 1	42.96	44.07	43.48
Males 258 } Total 533.	" 2	41.65	43.30	42.56
Females 275 }	" 3	42.37	42.60	42.49
Average		42.37	43.47	42.94
Bonin Island, pelagic .....	No. 1	42.60	42.00	43.32
Males 53 } Total 105.	" 2	42.68	41.95	42.31
Females 52 }				
Average		42.66	41.96	42.31
Pacific North, total .....	—	42.43	43.24	42.85
Males 312 } Total 640.				
Females 328 }				
<i>Peru</i> , pelagic .....	—	48.00	—	—
Male 1.				
<i>Chile</i> .....	—	—	47.00	—
Females 2.				
<b><u>E. Sperm-whales.</u></b>				
<i>Africa</i> :—				
Natal .....	—	42.72	33.82	38.07
Males 404 } Total 846.				
Females 442 }				
Cape Province .....	—	44.51	36.16	42.97
Males 84 } Total 103.				
Females 19 }				
Spanish Morocco .....	—	37.91	36.00	37.74
Males 43 } Total 47.				
Females 4 }				
Africa, total .....	—	42.62	33.93	38.56
Males 531 } Total 996.				
Females 465 }				
<i>Atlantic and Arctic</i> :—				
Norway .....	No. 1	54.00	—	—
Males 43 } Total 47.	" 2	50.00	—	—
Females 4 }	" 3	52.50	54.00	53.25
	" 4	49.91	48.50	49.83
Average		50.51	51.25	50.57



Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
Faroe Islands .....	No. 1	49.90	—	—
Males 30.	„ 2	48.30	—	—
Average		49.37	—	—
West Greenland .....	—	45.67	—	—
Males 6.				
Newfoundland .....	No. 1	51.44	—	—
Males 14.	„ 2	44.40	—	—
Average		48.93	—	—
Atlantic and Arctic, total.	—	49.59	51.25	49.66
Males 93 } Total 97.				
Females 4 }				
<i>Pacific North:—</i>				
California .....	—	45.39	—	—
Males 31.				
British Columbia .....	—	45.29	—	—
Males 28.				
Japan .....	No. 1	40.76	33.60	37.74
Males 429 } Total 823.	„ 2	40.32	33.01	37.19
Females 394 }	„ 3	41.60	32.93	36.52
Average		40.88	33.21	37.21
Bonin Island, pelagic.....	No. 1	45.00	34.29	38.42
Males 49 } Total 131.	„ 2	44.67	34.53	38.23
Females 82 }				
Average		44.82	34.43	38.31
Pacific North, total.....	—	41.73	33.42	37.83
Males 537 } Total 1,013.				
Females 476 }				
<i>Peru, pelagic</i> .....	—	43.59	35.18	42.61
Males 2,207 } Total 2,497.				
Females 290 }				
<i>Chile</i> .....	—	41.23	33.87	37.69
Males 354 } Total 681.				
Females 327 }				
<b><u>F. Bryde-whales.</u></b>				
<i>Africa:—</i>				
Cape Province .....	—	44.37	44.80	44.59
Males 115 } Total 238.				
Females 123 }				
Spanish Morocco.....	—	46.11	54.00	46.90
Males 9 } Total 10.				
Female 1 }				

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
Africa, total..... Males 124 } Total 248. Females 124 }	—	Engl. feet. 44.49	Engl. feet. 44.88	Engl. feet 44.69
<b><u>G. Right-whales.</u></b>				
<i>Pacific North:—</i>				
Japan.....	—	53.00	—	—
Male 1.				

Table No. 6.—Whales caught in the summer season 1948,  
by species, sex, and size.

## I. Natal.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Average size
	males.	females.		
57	—	1	1	Average size { Males: 67.50 feet Females: 67.50 " Total animals: 67.50 "
58	1	—	1	
60	—	1	1	Per cent { Males: 37.50 Females: 62.50
61	1	—	1	
65	2	5	7	
67	—	1	1	
78	2	—	2	
81	—	1	1	
85	—	1	1	
Sum	6	10	16	

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	1	—	1	65	16	4	20
40	—	1	1	66	14	5	19
45	1	—	1	67	17	8	25
48	1	3	4	68	18	6	24
49	—	—	—	69	10	11	21
50	15	27	42	70	7	7	14
51	5	5	10	71	1	8	9
52	11	5	16	72	3	3	6
53	9	6	15	73	—	5	5
54	14	6	20	74	—	1	1
55	9	11	20	75	1	4	5
56	10	9	19	76	—	1	1
57	7	9	16	Sum	229	197	426
58	4	8	12	Average size { Males: 60.76 feet Females: 60.27 " Total animals: 60.54 "			
59	4	5	9				
60	8	6	14	Per cent { Males: 53.76 Females: 46.24			
61	6	8	14				
62	11	10	21				
63	6	9	15				
64	20	6	26				

Table No. 6 (continued).

## Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.		
	males.	females.			males.	females.			
30	3	2	5	50	-	-	-		
31	2	1	3	51	-	1	1		
32	-	1	1	52	1	-	1		
33	-	1	1	53	-	1	1		
34	-	-	-	54	1	-	1		
35	33	21	54	55	-	-	-		
36	11	6	17	56	1	-	1		
37	4	3	7	57	-	-	-		
38	7	3	10	58	-	2	2		
39	8	4	12	64	-	1	1		
40	12	7	19	Sum	105	77	182		
41	8	5	13	Average size { Males: 38.13 feet Females: 39.69 " Total animals: 38.79 " Per cent { Males: 57.69 Females: 42.31					
42	7	6	13						
43	3	4	7						
44	1	1	2						
45	1	1	2						
46	1	2	3						
47	1	-	1						
48	-	2	2						
49	-	2	2						

## Sei-whales.

35	1	3	4	48	4	3	7		
36	-	3	3	49	-	1	1		
37	1	2	3	50	-	-	-		
38	3	-	3	51	-	2	2		
39	-	-	-	52	-	2	2		
40	6	4	10	Sum	53	56	109		
41	7	5	12	Average size { Males: 43.04 feet Females: 43.05 " Total animals: 43.05 " Per cent { Males: 48.62 Females: 51.38					
42	5	6	11						
43	8	9	17						
44	3	6	9						
45	6	5	11						
46	3	3	6						
47	6	2	8						

## Sperm-whales.

30	13	54	67	47	18	-	18		
31	6	20	26	48	22	-	22		
32	4	13	17	49	3	-	3		
33	10	78	88	50	34	-	34		
34	4	32	36	51	17	-	17		
35	57	205	262	52	20	-	20		
36	16	28	44	53	15	-	15		
37	9	9	18	54	2	-	2		
38	9	3	12	55	2	-	2		
39	1	-	1	Sum	404	442	846		
40	14	-	14	Average size { Males: 42.72 feet Females: 33.82 " Total animals: 38.07 " Per cent { Males: 47.75 Females: 52.25					
41	18	-	18						
42	22	-	22						
43	29	-	29						
44	7	-	7						
45	33	-	33						
46	19	-	19						

Table No. 6 (continued).

## 2. Cape Province.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Average size	{ Males: 65.00 feet Females: 68.00 " Total animals: 67.00 "
	males.	females.			
65	1	—	1	Per cent	{ Males: 33.33 Females: 66.67
66	—	1	1		
70	—	1	1		
Sum	1	2	1) 3		

1) In addition 1 blue-whale has been lost.

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
47	1	—	1	66	—	2	2
50	2	—	2	67	1	1	2
51	1	2	3	68	—	2	2
52	11	1	12	69	2	1	3
53	7	11	18	70	1	1	2
54	7	8	15	71	—	1	1
55	9	7	16	72	—	—	—
56	8	4	12	73	—	1	1
57	5	—	5	Sum	81	53	134
58	8	1	9	Average size	{ Males: 56.70 feet Females: 57.89 " Total animals: 57.17 "		
59	4	1	5				
60	3	2	5			Per cent	{ Males: 60.45 Females: 39.55
61	1	1	2				
62	4	4	8				
63	2	2	4				
64	4	—	4				
65	—	—	—				

## Humpbacks.

37	2	—	2	51	1	—	1
38	1	—	1	60	—	1	1
39	—	1	1	Sum	10	4	14
43	1	—	1	Average size	{ Males: 43.20 feet Females: 49.00 " Total animals: 44.86 "		
44	2	—	2				
45	1	—	1			Per cent	{ Males: 71.43 Females: 28.57
46	1	—	1				
47	1	1	2				
48	—	—	—				
49	—	—	—				
50	—	1	1				

Table No. 6 (continued).

## Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.		
	males.	females.			males.	females.			
38	4	5	9	52	1	2	3		
39	3	1	4	53	-	2	2		
40	2	4	6	54	-	3	3		
41	4	4	8	55	-	-	-		
42	6	4	10	56	-	1	1		
43	2	1	3	Sum	35	48	83		
44	3	3	6	Average size { Males: 43.83 feet Females: 45.44 " Total animals: 44.76 " Per cent { Males: 42.17 Females: 57.83					
45	-	3	3						
46	-	4	4						
47	-	2	2						
48	1	3	4						
49	3	1	4						
50	2	4	6						
51	4	1	5						

## Sperm-whales.

32	1	-	1	49	2	-	2		
33	-	1	1	50	6	-	6		
34	1	1	2	51	3	-	3		
35	3	5	8	52	6	-	6		
36	7	3	10	53	2	-	2		
37	3	6	9	54	1	-	1		
38	2	2	4	55	-	-	-		
39	2	1	3	56	1	-	1		
40	5	-	5	57	1	-	1		
41	4	-	4	Sum	84	19	<sup>1)</sup> 103		
42	4	-	4	Average size { Males: 44.51 feet Females: 36.16 " Total animals: 42.97 " Per cent { Males: 81.55 Females: 18.45					
43	1	-	1						
44	3	-	3						
45	4	-	4						
46	11	-	11						
47	6	-	6						
48	5	-	5						

<sup>1)</sup> In addition 2 sperm-whales have been lost.

## Bryde-whales.

35	-	3	3	50	2	5	7		
36	-	2	2	51	3	8	11		
37	2	3	5	52	-	4	4		
38	4	2	6	53	1	-	1		
39	2	3	5	54	1	2	3		
40	4	7	11	57	1	-	1		
41	12	3	15	Sum	115	123	238		
42	11	14	25	Average size { Males: 44.37 feet Females: 44.80 " Total animals: 44.59 " Per cent { Males: 48.32 Females: 51.68					
43	12	9	21						
44	15	8	23						
45	16	14	30						
46	9	8	17						
47	9	18	27						
48	5	8	13						
49	6	2	8						

Table No. 6 (continued).

## 3. Spanish Morocco.

## Blue-whales.

Engl. feet.	Male.
72	1

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
56	4	7	11	66	-	2	2
57	3	1	4	72	-	1	1
58	2	2	4	Sum	21	25	46
59	-	3	3	Average size { Males: 59.76 feet Females: 60.32 " Total animals: 60.07 " Per cent { Males: 45.65 Females: 54.35			
60	3	-	3				
61	1	3	4				
62	4	2	6				
63	2	1	3				
64	1	3	4				
65	1	-	1				

## Sperm-whales.

33	1	-	1	48	1	-	1
34	4	-	4	53	1	-	1
35	4	1	5	54	1	-	1
36	15	2	17	Sum	43	4	47
37	2	1	3	Average size { Males: 37.91 feet Females: 36.00 " Total animals: 37.74 " Per cent { Males: 91.49 Females: 8.51			
38	3	-	3				
39	5	-	5				
40	4	-	4				
41	1	-	1				
42	1	-	1				

## Bryde-whales.

Engl. feet.	Number of		Total animals.	Average size {	Males: 46.11 feet
	males.	females.			
41	1	-	1	Females: 54.00 " Total animals: 46.90 "	
44	1	-	1		
45	1	-	1		
46	3	-	3	Per cent { Males: 90.00 Females: 10.00	
47	-	-	-		
48	1	-	1		
49	1	-	1		
50	1	-	1		
54	-	1	1		
Sum	9	1	10		

Table No. 6 (continued).

## 4. Summary Africa (Natal, Cape Province and Spanish Morocco).

## Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
57	-	1	1	81	-	1	1
58	1	-	1	85	-	1	1
59	-	-	-	Sum	8	12	<sup>1)</sup> 20
60	-	1	1	Average size { Males: 67.75 feet Females: 67.58 " Total animals: 67.65 " Per cent { Males: 40.00 Females: 60.00			
61	1	-	1				
65	3	5	8				
66	-	1	1				
67	-	1	1				
70	-	1	1				
71	-	-	-				
72	1	-	1				
78	2	-	2				

<sup>1)</sup> In addition 1 blue-whale has been lost.

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	1	-	1	65	17	4	21
40	-	1	1	66	14	9	23
45	1	-	1	67	18	9	27
46	-	-	-	68	18	8	26
47	1	-	1	69	12	12	24
48	1	3	4	70	8	8	16
49	-	-	-	71	1	9	10
50	17	27	44	72	3	4	7
51	6	7	13	73	-	6	6
52	22	6	28	74	-	1	1
53	16	17	33	75	1	4	5
54	21	14	35	76	-	1	1
55	18	18	36	Sum	331	275	606
56	22	20	42	Average size { Males: 59.71 feet Females: 59.81 " Total animals: 59.76 " Per cent { Males: 54.62 Females: 45.38			
57	15	10	25				
58	14	11	25				
59	8	9	17				
60	14	8	22				
61	8	12	20				
62	19	16	35				
63	10	12	22				
64	25	9	34				

Table No. 6 (continued).

## Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
30	3	2	5	50	-	1	1
31	2	1	3	51	1	1	2
32	-	1	1	52	1	-	1
33	-	1	1	53	-	1	1
34	-	-	-	54	1	-	1
35	33	21	54	55	-	-	-
36	11	6	17	56	1	-	1
37	6	3	9	57	-	-	-
38	8	3	11	58	-	2	2
39	8	5	13	59	-	-	-
40	12	7	19	60	-	1	1
41	8	5	13	64	-	1	1
42	7	6	13	Sum	115	81	196
43	4	4	8	Average size	Males: 38.57 feet		
44	3	1	4		Females: 40.15 "		
45	2	1	3		Total animals: 39.22 "		
46	2	2	4	Per cent	Males: 58.67		
47	2	1	3		Females: 41.33		
48	-	2	2				
49	-	2	2				

## Sei-whales.

35	1	3	4	50	2	4	6
36	-	3	3	51	4	3	7
37	1	2	3	52	1	4	5
38	7	5	12	53	-	2	2
39	3	1	4	54	-	3	3
40	8	8	16	55	-	-	-
41	11	9	20	56	-	1	1
42	11	10	21	Sum	88	104	192
43	10	10	20	Average size	Males: 43.35 feet		
44	6	9	15		Females: 44.15 "		
45	6	8	14		Total animals: 43.79 "		
46	3	7	10	Per cent	Males: 45.83		
47	6	4	10		Females: 54.17		
48	5	6	11				
49	3	2	5				

## Sperm-whales.

30	13	54	67	48	28	-	28
31	6	20	26	49	5	-	5
32	5	13	18	50	40	-	40
33	11	79	90	51	20	-	20
34	9	33	42	52	26	-	26
35	64	211	275	53	18	-	18
36	38	33	71	54	4	-	4
37	14	16	30	55	2	-	2
38	14	5	19	56	1	-	1
39	8	1	9	57	1	-	1
40	23	-	23	Sum	531	465	1) 996
41	23	-	23	Average size	Males: 42.62 feet		
42	27	-	27		Females: 33.93 "		
43	30	-	30		Total animals: 38.56 "		
44	10	-	10	Per cent	Males: 53.31		
45	37	-	37		Females: 46.69		
46	30	-	30				
47	24	-	24				

1) In addition 2 sperm-whales have been lost.



Table No. 6 (continued).

## Bryde-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
35	-	3	3	50	3	5	8	
36	-	2	2	51	3	8	11	
37	2	3	5	52	-	4	4	
38	4	2	6	53	1	-	1	
39	2	3	5	54	1	3	4	
40	4	7	11	57	1	-	1	
41	13	3	16	Sum	124	124	248	
42	11	14	25	Average size { Males: 44.49 feet Females: 44.88 „ Total animals: 44.69 „ Per cent { Males: 50.00 Females: 50.00				
43	12	9	21					
44	16	8	24					
45	17	14	31					
46	12	8	20					
47	9	18	27					
48	6	8	14					
49	7	2	9					

## 5. Paraiba, Brazil.

## Blue-whales.

Engl. feet.	Male.
70	1

## Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
32	1	-	1	46	1	-	1	
33	1	1	2	47	1	1	2	
34	1	-	1	48	-	2	2	
37	1	-	1	Sum	9	12	21	
38	1	1	2	Average size { Males: 38.78 feet Females: 43.25 „ Total animals: 41.33 „ Per cent { Males: 42.86 Females: 57.14				
39	-	-	-					
40	1	1	2					
41	-	-	-					
42	1	-	1					
43	-	2	2					
44	-	1	1					
45	-	3	3					

## Sei-whales.

43	1	-	1	Average size { Males: 48.00 feet Females: 47.00 „ Total animals: 47.90 „ Per cent { Males: 90.00 Females: 10.00			
45	1	-	1				
47	1	1	2				
48	3	-	3				
50	2	-	2				
53	1	-	1				
Sum	9	1	10				

Table No. 6 (continued).

## 6. Norway.

## Blue-whales.

Engl. feet.	Males.
72	1
73	-
74	1
Sum	2

Average size: Males: 73.00 feet.

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
50	6	5	11	67	1	5	6
51	16	3	19	68	-	8	8
52	9	8	17	69	-	4	4
53	8	4	12	70	-	7	7
54	5	2	7	71	-	2	2
55	9	2	11	72	-	-	-
56	6	4	10	73	-	1	1
57	6	5	11	Sum	133	127	260
58	9	6	15	Average size { Males: 57.17 feet Females: 61.49 " Total animals: 59.28 " Per cent { Males: 51.15 Females: 48.85			
59	7	5	12				
60	15	5	20				
61	11	5	16				
62	9	10	19				
63	9	9	18				
64	2	7	9				
65	4	12	16				
66	1	8	9				

## Sei-whales.

40	1	1	2	Average size { Males: 44.22 feet Females: 45.88 " Total animals: 44.60 " Per cent { Males: 77.14 Females: 22.86			
41	1	-	1				
42	3	-	3				
43	5	-	5				
44	6	1	7				
45	-	-	-				
46	9	2	11				
47	2	2	4				
48	-	1	1				
49	-	1	1				
Sum	27	8	35				

Table No. 6 (continued).

## Sperm-whales.

Engl. feet.	Number of		Total animals	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
41	1	-	1	54	2	2	4
44	1	-	1	55	1	-	1
45	-	-	-	56	1	-	1
46	1	-	1	Sum	43	4	47
47	-	-	-	Average size { Males: 50.51 feet Females: 51.25 " Total animals: 50.57 " Per cent { Males: 91.49 Females: 8.51			
48	8	1	9				
49	4	1	5				
50	4	-	4				
51	5	-	5				
52	8	-	8				
53	7	-	7				

## 7. Faroe Islands.

## Blue-whales.

Engl. feet.	Males.
64	2
66	1
Sum	3

Average size:— Males: 64.67 feet

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
45	1	-	1	65	10	6	16
50	3	3	6	66	2	8	10
51	8	-	8	67	1	2	3
52	-	1	1	68	1	10	11
53	3	3	6	69	1	5	6
54	1	2	3	70	-	5	5
55	6	3	9	71	-	1	1
56	5	6	11	78	-	1	1
57	7	5	12	Sum	112	111	223
58	7	10	17	Average size { Males: 59.33 feet Females: 61.93 " Total animals: 60.62 " Per cent { Males: 50.22 Females: 49.78			
59	6	2	8				
60	17	12	29				
61	8	6	14				
62	13	8	21				
63	8	5	13				
64	4	7	11				

Table No. 6 (continued).

## Sei-whales.

Engl. feet.	Number of		Total animals.	
	males.	females.		
37	2	—	2	
40	—	1	1	
41	—	—	—	
42	1	—	1	
43	1	—	1	
44	—	—	—	
45	2	1	3	
46	1	3	4	
47	—	2	2	
48	—	1	1	
Sum	7	8	15	

Average size { Males: 42.14 feet  
Females: 45.63 „  
Total animals: 44.00 „

Per cent { Males: 46.67  
Females: 53.33

## Sperm-whales.

Engl. feet.	Number of males.	Engl. feet.	Number of males.
44	3	51	4
45	3	52	3
46	1	53	4
47	1	54	—
48	4	55	2
49	3		
50	2	Sum	30

Average size: Males: 49.37 feet.

## 8. West Greenland.

## Blue-whales.

Engl. feet.	Number of males.
75	1
80	1
Sum	2

Average size: Males: 77.50 feet.

Table No. 6 (continued).

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
48	1	-	1	65	-	3	3
55	1	-	1	66	-	-	-
56	-	-	-	67	-	1	1
57	4	1	5	Sum	10	11	21
58	-	-	-	Average size			{ Males: 57.50 feet
59	1	-	1				{ Females: 62.73 "
60	-	1	1				{ Total animals: 60.24 "
61	1	1	2	Per cent			{ Males: 47.62
62	2	3	5				{ Females: 52.38
63	-	-	-				
64	-	1	1				

## Humpbacks.

Engl. feet.	Female.
40	1

## Sei-whales.

Engl. feet.	Male.
47	1

## Sperm-whales.

Engl. feet	Number of males.
43	3
44	1
49	1
52	1
Sum	6

Average size: Males: 45.67 feet.

## 9. Newfoundland.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
70	6	1	7	82	-	-	-
71	2	-	2	83	-	1	1
72	6	2	8	84	-	-	-
73	4	2	6	85	1	-	1
74	4	2	6	Sum	29	28	57
75	2	3	5	Average size			{ Males: 73.38 feet
76	1	4	5				{ Females: 76.54 "
77	1	4	5				{ Total animals: 74.93 "
78	-	1	1	Per cent			{ Males: 50.88
79	2	4	6				{ Females: 49.12
80	-	3	3				
81	-	1	1				

Table No. 6 (continued).

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
44	—	1	1	62	44	20	64
45	—	—	—	63	22	20	42
46	1	1	2	64	14	16	30
47	2	—	2	65	19	40	59
48	1	3	4	66	3	18	21
49	1	—	1	67	4	21	25
50	6	4	10	68	—	18	18
51	2	2	4	69	—	4	4
52	7	4	11	70	—	4	4
53	7	2	9	71	—	2	2
54	9	3	12	Sum	374	295	669
55	39	26	65	Average size	Males: 59.12 feet		
56	19	8	27		Females: 61.52 "		
57	23	14	37		Total animals: 60.18 "		
58	27	12	39	Per cent	Males: 55.90		
59	19	14	33		Females: 44.10		
60	71	21	92				
61	34	17	51				

## Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
34	—	1	1				
35	1	—	1				
36	1	—	1				
37	—	—	—				
38	1	—	1				
44	—	3	3				
45	2	—	2				
46	1	1	2				
47	1	2	3				
49	1	—	1				
Sum	8	7	15	Average size	Males: 42.63 feet		
					Females: 43.71 "		
					Total animals: 43.13 "		
				Per cent	Males: 53.33		
					Females: 46.67		

## Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
44	1	—	1				
45	1	—	1				
46	—	1	1				
47	—	—	—				
48	1	—	1				
Sum	3	1	4	Average size	Males: 45.67 feet		
					Females: 46.00 "		
					Total animals: 45.75 "		
				Per cent	Males: 75.00		
					Females: 25.00		

Table No. 6 (continued).

## Sperm-whales.

Engl. feet.	Number of males	Engl. feet	Number of males
40	1	51	2
41	1	52	1
42	1	53	1
43	-	54	1
44	1	55	1
45	-	56	-
46	1	57	1
49	1		
50	1	Sum	14

Average size: Males: 48.93 feet.

10. Summary Atlantic and Arctic.  
Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
64	2	-	2	81	-	1	1
65	-	-	-	82	-	-	-
66	1	-	1	83	-	1	1
70	6	1	7	84	-	-	-
71	2	-	2	85	1	-	1
72	7	2	9	Sum	36	28	64
73	4	2	6	Average size { Males: 72.86 feet Females: 76.54 " Total animals: 74.47 "  Per cent { Males: 56.25 Females: 43.75			
74	5	2	7				
75	3	3	6				
76	1	4	5				
77	1	4	5				
78	-	1	1				
79	2	4	6				
80	1	3	4				

## Fin-whales.

44	-	1	1	64	20	31	51
45	1	-	1	65	33	61	94
46	1	1	2	66	6	34	40
47	2	-	2	67	6	29	35
48	2	3	5	68	1	36	37
49	1	-	1	69	1	13	14
50	15	12	27	70	-	16	16
51	26	5	31	71	-	5	5
52	16	13	29	72	-	-	-
53	18	9	27	73	-	1	1
54	15	7	22	78	-	1	1
55	55	31	86	Sum	629	544	1,173
56	30	18	48	Average size { Males: 58.72 feet Females: 61.62 " Total animals: 60.06 "  Per cent { Males: 53.62 Females: 46.38			
57	40	25	65				
58	43	28	71				
59	33	21	54				
60	103	39	142				
61	54	29	83				
62	68	41	109				
63	39	34	73				

Table No. 6 (continued).

## Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
34	-	1	1	47	1	2	3
35	1	-	1	48	-	-	-
36	1	-	1	49	1	-	1
37	-	-	-	Sum	8	8	16
38	1	-	1	Average size	Males: 42.63 feet		
39	-	-	-		Females: 43.25 "		
40	-	1	1	Total animals: 42.94 "			
44	-	3	3	Per cent	Males: 50.00		
45	2	-	2		Females: 50.00		
46	1	1	2				

## Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
37	2	-	2	48	1	2	3
40	1	2	3	49	-	1	1
41	1	-	1	Sum	37	18	55
42	4	-	4	Average size	Males: 43.95 feet		
43	6	-	6		Females: 45.83 "		
44	7	1	8	Total animals: 44.56 "			
45	3	1	4	Per cent	Males: 67.27		
46	10	6	16		Females: 32.73		
47	2	5	7				

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
40	1	-	1	53	12	-	12
41	2	-	2	54	3	2	5
42	1	-	1	55	4	-	4
43	3	-	3	56	1	-	1
44	6	-	6	57	1	-	1
45	3	-	3	Sum	93	4	97
46	3	-	3	Average size	Males: 49.59 feet		
47	1	-	1		Females: 51.25 "		
48	12	1	13	Total animals: 49.66 "			
49	9	1	10	Per cent	Males: 95.88		
50	7	-	7		Females: 4.12		
51	11	-	11				
52	13	-	13				



Table No. 6 (continued).

## II. California.

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.											
	males.	females.			males.	females.												
52	1	-	1	67	-	-	-											
57	-	1	1	68	1	-	1											
58	3	-	3	Sum	16	3	19											
61	3	-	3	Average size	Males:	61.50 feet	"											
62	3	-	3					Females:	62.67	"								
63	1	-	1								Total animals:	61.68	"					
64	2	-	2											Per cent	Males: 84.21	"		
65	2	1	3														Females: 15.79	"
66	-	1	1															

## Humpbacks.

35	1	-	1	47	1	-	1											
36	-	-	-	50	-	1	1											
37	1	-	1	Sum	7	9	16											
41	1	2	3	Average size	Males:	41.00 feet	"											
42	2	1	3					Females:	44.56	"								
43	1	-	1								Total animals:	43.00	"					
44	-	1	1											Per cent	Males: 43.75	"		
45	-	1	1														Females: 56.25	"
46	-	3	3															

## Sperm-whales.

Engl. feet.	Number of males.	Engl. feet.	Number of males.
37	1	48	2
38	1	49	4
39	3	50	2
40	1	51	1
43	2	52	-
44	6	53	1
45	3	54	1
46	1	Sum	31
47	2		

Average size: Males: 45.39 feet.

Table No. 6 (continued).

## 12. British Columbia.

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
47	-	2	2	62	-	3	3
51	-	1	1	63	-	3	3
52	2	-	2	64	2	1	3
53	-	-	-	Sum	17	20	37
54	-	1	1	Average size { Males: 57.88 feet Females: 58.15 » Total animals: 58.03 »			
55	1	1	2				
56	3	1	4				
57	1	1	2				
58	3	1	4				
59	3	2	5				
60	1	2	3	Per cent { Males: 45.95 Females: 54.05			
61	1	1	2				

## Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
30	1	-	1	44	1	5	6
31	1	-	1	45	-	2	2
32	-	-	-	46	-	2	2
33	-	2	2	47	1	4	5
34	1	-	1	48	-	-	-
35	10	5	15	49	-	2	2
36	2	4	6	Sum	55	60	115
37	5	7	12	Average size { Males: 38.67 feet Females: 40.22 » Total animals: 39.48 »			
38	-	5	5				
39	11	7	18				
40	9	6	15				
41	4	2	6				
42	6	5	11				
43	3	2	5	Per cent { Males: 47.83 Females: 52.17			

## Sei-whales.

Engl. feet.	Number of		Total animals.
	males.	females.	
46	1	-	1
47	-	1	1
Sum	1	1	2

Average size of animals: 46.50 feet.

## Sperm-whales.

Engl. feet.	Number of males.	Engl. feet.	Number of males.
40	3	47	2
41	-	48	1
42	4	49	4
43	2	50	1
44	4	56	1
45	2	Sum	28
46	4		

Average size: Males: 45.29 feet.

Table No. 6 (continued).

## 13. Japan.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
54	-	1	1	78	-	2	2
65	5	2	7	79	-	-	-
66	2	3	5	80	-	3	3
67	2	1	3	81	-	2	2
68	1	2	3	82	-	1	1
69	-	-	-	83	-	1	1
70	1	2	3	Sum	23	26	49
71	1	-	1	Average size	{	Males:	70.22 feet
72	1	-	1			Females:	72.96 "
73	2	2	4			Total animals:	71.67 "
74	5	1	6			Per cent	{
75	1	-	1	Females:	53.06		
76	2	2	4				
77	-	1	1				

## Fin-whales.

47	-	1	1	62	2	5	7
48	-	-	-	63	2	2	4
49	-	2	2	64	1	5	6
50	4	2	6	65	1	5	6
51	6	10	16	66	-	3	3
52	10	9	19	67	1	4	5
53	4	4	8	68	-	1	1
54	6	4	10	69	-	2	2
55	5	3	8	Sum	89	87	176
56	9	6	15	Average size	{	Males:	56.63 feet
57	7	3	10			Females:	57.75 "
58	5	5	10			Total animals:	57.18 "
59	8	5	13	Per cent	{	Males:	50.57
60	6	3	9			Females:	49.43
61	12	3	15				

## Humpbacks.

Engl. feet.	Number of		Total animals.	Average size	{	Males:	42.00 feet		
	males.	females.							
36	-	2	2	Females:	40.86 "	Total animals:	41.00 "		
37	-	1	1						
42	1	-	1						
43	-	2	2	Per cent	{	Males:	12.50		
44	-	1	1			Females:	87.50		
47	-	1	1						
Sum	1	7	8						

Table No. 6 (continued).

## Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
34	2	-	2	48	2	18	20	
35	3	1	4	49	-	5	5	
36	8	5	13	50	1	4	5	
37	11	5	16	51	-	5	5	
38	15	9	24	52	-	2	2	
39	14	24	38	Sum	258	275	533	
40	20	17	37	Average size { Males: 42.37 feet Females: 43.47 " Total animals: 42.94 " Per cent { Males: 48.41 Females: 51.59				
41	13	27	40					
42	29	19	48					
43	34	31	65					
44	32	27	59					
45	34	24	58					
46	29	23	52					
47	11	29	40					

## Sperm-whales.

29	-	2	2	48	11	-	11	
30	4	23	27	49	18	-	18	
31	21	58	79	50	18	-	18	
32	16	74	90	51	14	-	14	
33	14	72	86	52	15	-	15	
34	19	70	89	53	6	-	6	
35	33	51	84	54	2	-	2	
36	28	13	41	55	1	-	1	
37	27	23	50	56	-	-	-	
38	20	5	25	57	1	-	1	
39	19	1	20	Sum	429	394	823	
40	20	1	21	Average size { Males: 40.88 feet Females: 33.21 " Total animals: 37.21 " Per cent { Males: 52.13 Females: 47.87				
41	21	-	21					
42	25	1	26					
43	11	-	11					
44	14	-	14					
45	17	-	17					
46	20	-	20					
47	14	-	14					

## Right-whales.

Engl. feet.	Male.
53	1

Table No. 6 (continued).

## 14. Bonin Island, pelagic.

## Blue-whales.

Engl. feet.	Male.
62	1

## Fin-whales.

Engl. feet.	Number of		Total animals.	Average size	{ Males: 56.50 feet Females: 57.00 " Total animals: 56.67 "
	males.	females.			
56	1	—	1	Per cent	{ Males: 66.67 Females: 33.33
57	1	1	2		
Sum	2	1	3		

## Humpbacks.

Engl. feet.	Number of		Total animals.	Average size	{ Males: 43.00 feet Females: 45.00 " Total animals: 43.67 "
	males.	females.			
41	1	—	1	Per cent	{ Males: 66.67 Females: 33.33
45	1	1	2		
Sum	2	1	3		

## Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	—	1	1	48	3	—	3
36	2	3	5	49	—	1	1
37	2	1	3	50	—	—	—
38	1	5	6	51	—	1	1
39	3	3	6	Sum	53	52	105
40	2	—	2	Average size	{ Males: 42.66 feet Females: 41.96 " Total animals: 42.31 "		
41	7	9	16			Per cent	{ Males: 50.48 Females: 49.52
42	9	10	19				
43	7	3	10				
44	6	4	10				
45	3	5	8				
46	5	6	11				
47	3	—	3				

Table No. 6 (continued).

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
26	—	1	1	46	2	—	2
27	—	1	1	47	3	—	3
28	—	1	1	48	2	—	2
29	1	1	2	49	3	—	3
30	—	3	3	50	2	—	2
31	1	5	6	51	3	—	3
32	1	6	7	52	4	—	4
33	2	6	8	53	6	—	6
34	—	3	3	54	1	—	1
35	4	27	31	55	1	—	1
36	2	14	16	56	—	—	—
37	1	8	9	57	1	—	1
38	1	3	4				
39	1	3	4	Sum	49	82	131
40	3	—	3				
41	1	—	1	Average size	{ Males: 44.82 feet Females: 34.43 "		
42	1	—	1		{ Total animals: 38.31 "		
43	1	—	1	Per cent	{ Males: 37.40 Females: 62.60		
44	—	—	—				
45	1	—	1				

## 15. Summary Pacific North.

## Blue-whales.

54	—	1	1	78	—	2	2
62	1	—	1	79	—	—	—
65	5	2	7	80	—	3	3
66	2	3	5	81	—	2	2
67	2	1	3	82	—	1	1
68	1	2	3	83	—	1	1
69	—	—	—	Sum	24	26	50
70	1	2	3				
71	1	—	1	Average size	{ Males: 69.88 feet Females: 72.96 "		
72	1	—	1		{ Total animals: 71.48 "		
73	2	2	4	Per cent	{ Males: 48.00 Females: 52.00		
74	5	1	6				
75	1	—	1				
76	2	2	4				
77	—	1	1				

## Fin-whales.

47	—	3	3	63	3	5	8
49	—	2	2	64	5	6	11
50	4	2	6	65	3	6	9
51	6	11	17	66	—	4	4
52	13	9	22	67	1	4	5
53	4	4	8	68	1	1	2
54	6	5	11	69	—	2	2
55	6	4	10	Sum	124	111	235
56	13	7	20				
57	9	6	15	Average size	{ Males: 57.43 feet Females: 57.95 "		
58	11	6	17		{ Total animals: 57.67 "		
59	11	7	18	Per cent	{ Males: 52.77 Females: 47.23		
60	7	5	12				
61	16	4	20				
62	5	8	13				

Table No. 6 (continued).

## Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
30	1	-	1	45	1	4	5
31	1	-	1	46	-	5	5
32	-	-	-	47	2	5	7
33	-	2	2	48	-	-	-
34	1	-	1	49	-	2	2
35	11	5	16	50	-	1	1
36	2	6	8	Sum	65	77	142
37	6	8	14	Average size	{	Males:	39.11 feet
38	-	5	5			Females:	40.84 "
39	11	7	18			Total animals:	40.05 "
40	9	6	15	Per cent	{	Males:	45.77
41	6	4	10			Females:	54.23
42	9	6	15				
43	4	4	8				
44	1	7	8				

## Sei-whales.

34	2	-	2	48	5	18	23
35	3	2	5	49	-	6	6
36	10	8	18	50	1	4	5
37	13	6	19	51	-	6	6
38	16	14	30	52	-	2	2
39	17	27	44	Sum	312	328	640
40	22	17	39	Average size	{	Males:	42.43 feet
41	20	36	56			Females:	43.24 "
42	38	29	67			Total animals:	42.85 "
43	41	34	75	Per cent	{	Males:	48.75
44	38	31	69			Females:	51.25
45	37	29	66				
46	35	29	64				
47	14	30	44				

## Sperm-whales.

26	-	1	1	46	27	-	27
27	-	1	1	47	21	-	21
28	-	1	1	48	16	-	16
29	1	3	4	49	29	-	29
30	4	26	30	50	23	-	23
31	22	63	85	51	18	-	18
32	17	80	97	52	19	-	19
33	16	78	94	53	13	-	13
34	19	73	92	54	4	-	4
35	37	78	115	55	2	-	2
36	30	27	57	56	1	-	1
37	29	31	60	57	2	-	2
38	22	8	30	Sum	537	476	1,013
39	23	4	27	Average size	{	Males:	41.73 feet
40	27	1	28			Females:	33.42 "
41	22	-	22			Total animals:	37.83 "
42	30	1	31	Per cent	{	Males:	53.01
43	16	-	16			Females:	46.99
44	24	-	24				
45	23	-	23				

Table No. 6 (continued).

## Right-whales.

Engl. feet.	Male.
53	1

## 16. Peru, pelagic.

## Blue-whales.

Engl. feet.	Female.
68	1

## Fin-whales.

Engl. feet.	Males.
46	1
65	1
Sum	2

Average size: Males: 55.50 feet.

## Sei-whales.

Engl. feet.	Male.
48	1

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
32	-	4	4	50	100	-	100
33	1	15	16	51	96	-	96
34	4	11	15	52	84	-	84
35	155	181	336	53	75	-	75
36	163	63	226	54	81	-	81
37	115	11	126	55	23	-	23
38	135	4	139	56	17	-	17
39	109	-	109	57	9	-	9
40	167	-	167	58	2	-	2
41	142	-	142	Sum	2,207	290	2,497
42	104	1	105	Average size {			Males: 43.59 feet
43	97	-	97	Females: 35.18 ,,			Total animals: 42.61 ,,
44	72	-	72	Per cent {			Males: 88.39
45	79	-	79	Females: 11.61			
46	110	-	110				
47	80	-	80				
48	106	-	106				
49	81	-	81				



Table No. 6 (continued).

## 17. Chile.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
64	2	—	2	78	2	3	5
65	1	2	3	79	—	4	4
66	—	—	—	80	1	—	1
67	2	—	2	81	—	1	1
68	—	—	—	82	—	4	4
69	1	—	1	83	1	1	2
70	2	2	4	Sum	44	38	82
71	6	2	8	Average size {	Males: 72.82 feet	Females: 75.79 "	Total animals: 74.20 "
72	7	3	10				
73	6	1	7				
74	4	3	7				
75	2	1	3				
76	4	7	11	Per cent {	Males: 53.66	Females: 46.34	
77	3	4	7				

## Fin-whales.

52	—	1	1	66	2	3	5
53	1	4	5	69	2	1	3
54	20	10	30	70	—	—	—
55	34	29	63	71	—	3	3
56	35	28	63	72	—	1	1
57	18	12	30	Sum	149	138	287
58	5	10	15	Average size {	Males: 56.97 feet	Females: 57.74 "	Total animals: 57.34 "
59	11	16	27				
60	4	6	10				
61	6	—	6				
62	9	9	18				
63	1	—	1	Per cent {	Males: 51.92	Females: 48.08	
64	1	2	3				
65	—	3	3				

## Humpbacks.

Engl. feet.	Number of		Total animals.
	males.	females.	
35	1	—	1
48	—	1	1
Sum	1	1	2

Average size of animals: 41.50 feet.

## Sei-whales.

Engl. feet.	Females.
39	1
55	1
Sum	2

Average size: 47.00 feet.

Table No. 6 (continued).

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
29	1	—	1	47	9	—	9
30	17	22	39	48	12	—	12
31	4	30	34	49	34	—	34
32	17	56	73	50	17	—	17
33	23	53	76	51	11	—	11
34	22	55	77	52	4	—	4
35	12	18	30	53	14	—	14
36	35	46	81	54	10	—	10
37	21	19	40	55	2	—	2
38	18	16	34	56	6	—	6
39	20	7	27	Sum	354	327	681
40	4	2	6	Average size { Males: 41.23 feet Females: 33.87 ” Total animals: 37.69 ”			
41	6	2	8				
42	5	1	6	Per cent { Males: 51.98 Females: 48.02			
43	10	—	10				
44	7	—	7				
45	4	—	4				
46	9	—	9				

## 18. West Australia.

## Humpbacks.

Engl. feet.	Males.
35	1
36	2
41	1
Sum	4

Average size: 37.00 feet.

Table No. 7.—Average production of oil per “blue-whale unit” in the summer season 1948.

Other whales are reduced to blue-whale equivalents on the following basis:  
 1 blue-whale = 2 fin-whales = 2½ humpbacks = 6 sei-whales.

Geographical areas.	Company.	Blue-whale equivalents.	Oil production.	
			Total.	Per blue-whale equivalent.
			Barrels. <sup>1)</sup>	Barrels. <sup>1)</sup>
<i>Africa</i> :—				
Natal .....	No. 1	320.0	29,040	90.8
Cape Province .....	„ 1	130.1	8,701	66.9
Spanish Morocco .....	„ 1	25.7	1,308	50.9
Average			—	82.0

<sup>1)</sup> Barrel = ¼ ton. (1 ton = 1,016 kg).

Table No. 7 (continued).

Geographical areas.	Company.	Blue-whale equivalents.	Oil production	
			Total.	Per blue-whale equivalent
			Barrels.	Barrels.
<i>Atlantic and Arctic:—</i>				
Portugal .....	No. 1	53.0	2,621	49.5
Norway .....	" 1	28.1	1,882	67.0
	" 2	50.0	3,070	61.4
	" 3	39.5	2,400	60.8
	" 4	20.7	1,143	55.2
Faroe Islands.....	" 1	51.5	4,482	87.0
	" 2	65.0	4,200	64.6
Iceland .....	" 1	122.3	8,136	66.5
Newfoundland .....	" 1	149.0	11,367	76.3
	" 2	247.2	18,118	73.3
Average		—	—	69.5
<i>Pacific North:—</i>				
California .....	No. 1	15.9	1,129	71.0
British Columbia .....	" 1	64.8	4,509	69.6
Average		—	—	69.9
<i>Chile</i> .....	No. 1	226.6	10,787	47.6
<i>New Zealand</i> .....	" 1	36.8	3,864	105.0

Table No. 8.—Average production of oil per sperm-whale in the summer season 1948.

Geographical areas.	Company.	Number of sperm-whales.	Oil production.	
			Total.	Per sperm-whale.
			Barrels.	Barrels.
<i>Africa:—</i>				
Natal .....	No. 1	846	20,391	24.1
Cape Province .....	" 1	105	2,999	28.6
Spanish Morocco.....	" 1	47	913	19.4
Average		—	—	24.4
<i>Atlantic and Arctic:—</i>				
Azores .....	No. 1	645	15,555	24.1
Madeira .....	" 1	162	4,129	25.5
Portugal .....	" 1	35	1,076	30.7
Norway .....	" 1	2	134	67.0
	" 2	5	329	65.8
	" 3	4	250	62.5
	" 4	36	2,053	57.0
Faroe Islands .....	" 1	20	1,195	59.8
	" 2	10	400	40.0
Iceland .....	" 1	15	864	57.6
Newfoundland .....	" 1	9	570	63.3
	" 2	5	187	37.4
Average		—	—	28.2
<i>Pacific North:—</i>				
California .....	No. 1	32	1,221	38.2
British Columbia.....	" 1	28	1,170	41.8
Average		—	—	39.9
<i>Peru</i> .....	No. 1	2,497	88,205	35.3
<i>Chile</i> .....	" 1	681	15,533	22.8

Table No. 9.—Whale fetuses measured in the summer season 1948.

## Blue-whale fetuses.

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.	
		Mother.	Foetus.				Mother.	Foetus.		
<i>Newfoundland.</i> Average length of fetuses: 6' 7".	1/7	77	8' 0"	M	<i>Japan.</i> Average length of fetuses: 12' 10".	10/10	80	9' 8"	M	
	"	75	6' 0"	F		19/11	81	16' 0"	F	
	2/7	76	8' 0"	F						
	7/7	72	5' 0"	M						
	"	81	7' 0"	M						
	8/7	76	6' 0"	F		<i>Chile.</i>	24/2	79	16' 5"	M
	9/7	79	8' 0"	M						
	12/7	73	4' 0"	M						
	16/7	77	8' 0"	F						
	19/7	80	6' 0"	M						

## Fin-whale fetuses.

<i>Spanish Morocco.</i> Average length of fetuses: 1' 7"	3/2	61	0' 7"	F	<i>Faroe Islands</i> (cont.).	16/8	60	1' 1"	M
	7/2	61	0' 2"	F		22/8	68	6' 0"	M
	11/2	61	0' 6"	M		6/9	61	9' 0"	M
	24/2	59	0' 3"	F	<i>West Greenland.</i> Average length of fetuses: 7' 4"	11/9 3/10	64 65	8' 2" 6' 6"	
	14/3	64	2' 4"	F					
2' 9"			F						
2' 6"			F						
2' 5"			M						
19/3	72	2' 8"	M						
		2' 0"	M						
<i>Norway.</i> Average length of fetuses: 7' 9"	12/5	66	3' 0"		<i>Newfoundland.</i> Average length of fetuses: 8' 11"	13/6	64	3' 0"	F
	2/6	62	7' 0"	M		14/6	67	3' 0"	M
	15/6	63	3' 0"			"	64	3' 0"	F
	8/6	59	4' 6"	M		27/6	63	5' 0"	M
	7/7	61	4' 6"	M		28/6	65	7' 0"	M
	16/7	61	5' 0"	M		3/6	68	10' 0"	M
	1/10	68	14' 0"	F		7/7	65	3' 0"	M
	30/10	63	17' 6"	F		12/7	67	11' 0"	M
<i>Faroe Islands.</i> Average length of fetuses: 4' 9"	18/5	66	3' 4"			17/7	67	11' 0"	M
	19/5	71	1' 7"	M		20/7	59	10' 0"	M
	1/6	66	2' 10"	M		22/7	55	11' 0"	F
	"	61	2' 6"	M		"	68	5' 0"	F
	"	61	2' 6"	M		25/7	65	5' 6"	F
	6/6	69	5' 0"			20/7	65	8' 0"	F
	7/6	58	2' 4"	F		31/7	60	3' 0"	M
	9/6	62	4' 8"	F	2/8	63	10' 0"	F	
	10/6	68	1' 8"		4/8	61	3' 0"	F	
	22/6	70	1' 8"		"	62	4' 0"	M	
	25/6	64	5' 0"	F	"	67	5' 0"	M	
	27/6	69	5' 0"		5/8	68	6' 0"	M	
	30/6	57	7' 6"	M	"	59	7' 0"	M	
	3/7	64	2' 0"	M	"	63	10' 0"	F	
	18/7	62	1' 6"	M	6/8	70	9' 0"	M	
	20/7	63	4' 6"	M	"	60	4' 0"	M	
	"	64	7' 6"	M	"	68	12' 6"	F	
	30/7	68	8' 0"		"	68	12' 0"	M	
	3/8	67	10' 0"		9/8	67	5' 0"	F	
6/8	69	10' 0"		11/8	62	13' 0"	M		
12/8	69	6' 6"	M	"	65	15' 0"	F		
"	63	5' 6"	F	13/8	68	10' 0"	M		
				17/8	66	10' 0"	M		

Table No. 9 (continued).

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.	
		Mother.	Foetus.				Mother.	Foetus.		
<i>Newfoundland.</i> (cont.).	18/8	67	12' 0"	F	<i>Newfoundland</i> (cont.).	29/9	67	6' 0"	M	
	20/8	64	6' 0"	F		2/10	68	4' 0"	M	
	21/8	67	13' 0"	M		9/10	65	3' 6"	F	
	21/8	65	10' 0"	F		11/10	62	12' 0"	M	
	22/8	64	14' 0"	M		12/10	65	6' 0"	F	
	22/8	67	10' 0"	F		14/10	61	16' 0"	M	
	23/8	66	6' 0"	M		18/10	67	10' 0"	F	
	23/8	66	11' 0"	M		24/10	67	17' 0"	M	
	23/8	64	11' 0"	F		28/10	62	6' 0"	F	
	23/8	67	8' 0"	M		29/10	59	15' 0"	M	
	24/8	66	11' 0"	M		29/10	67	18' 0"	M	
	25/8	61	7' 0"	F		30/10	62	15' 0"	F	
	25/8	63	12' 0"	M		30/10	70	7' 0"	M	
	28/8	65	15' 0"	F		1/11	60	11' 0"	M	
	28/8	59	7' 0"	F						
	30/8	65	4' 0"	M						
	30/8	70	5' 0"	M						
	30/8	64	5' 0"	F						
	6/9	63	12' 0"	F						
	7/9	69	14' 0"	M						
7/9	65	4' 0"	F							
8/9	60	4' 0"	M							
9/9	67	13' 0"	M							
9/9	60	7' 0"	F							
9/9	66	11' 0"	M							
10/9	60	12' 0"	F							
11/9	65	13' 0"	M							
21/9	66	10' 0"	M							
27/9	65	15' 0"	M							
					<i>British Columbia.</i>	12/7	60	5' 4"	M	
					Average length	2/8	62	8' 0"	M	
					of foetuses:	4/8	63	2' 5"	M	
					4' 11".	17/8	64	3' 11"	F	
						8/9	62	3' 0"	M	
						9/9	59	7' 0"	F	
					<i>Japan.</i>	22/7	65	6' 1"	M	
					Average length	30/7	61	7' 3"	M	
					of foetuses:	1/10	68	13' 6"	M	
					8' 11"					

## Humpback-foetuses.

<i>Natal.</i> Average length of foetuses: 15' 4"	4/8	35	14' 0"	M	<i>British Columbia.</i> (cont.).	27/7	42	1' 0"	M
	11/8	48	17' 0"	F		3/8	40	1' 8"	M
	7/9	49	15' 0"	F		5/8	39	4' 4"	F
				15/8		46	1' 11"	F	
				21/8		43	4' 0"	M	
				27/8		37	5' 0"	M	
				13/9		38	4' 0"	M	
				14/9		35	3' 0"	F	
				17/9		42	3' 0"	F	
<i>Cape Province.</i> Average length of foetuses: 16' 6"	31/7	50	16' 0"	M					
	8/9	47	17' 0"	M					
<i>California.</i> Average length of foetuses: 5' 6".	11/5	46	1' 5"		<i>Japan.</i>	26/6	44	2' 3"	F
	19/8	46	9' 6"	F					
<i>British Columbia.</i> Average length of foetuses: 2' 11"	18/7	45	1' 1"	F	<i>Chile.</i>	8/1	48	3' 7"	M
	19/7	44	5' 4"	M					
	20/7	39	3' 6"	F					
	24/7	49	0' 7"	F					

Table No. 9 (continued).

## Sei-whale fetuses.

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
<i>Cape Province.</i> Average length of fetuses: 5' 4".	17/9	54	3' 0"	M	<i>Japan.</i> (cont.).	11/9	45	9' 5"	F
		56	10' 0"	F		16/9	47	9' 0"	F
	11/10	54	3' 0"	F		19/9	41	5' 7"	F
<i>Norway.</i> Average length of fetuses: 2' 6"	18/5	49	3' 0"	F		21/9	46	7' 0"	M
	3/6	47	2' 0"	F		22/9	47	9' 0"	F
						22/9	45	8' 0"	M
						3/10	48	11' 6"	M
						8/10	47	10' 8"	M
<i>Faroe Islands.</i>	6/7	45	4' 6"			12/10	46	9' 2"	F
						14/10	47	12' 0"	M
<i>British Columbia.</i>	1/6	47	4' 6"	M	<i>Bonin Island.</i> Average length of fetuses: 2' 4".	12/3	42	1' 11"	F
						24/3	46	3' 0"	F
<i>Japan.</i> Average length of fetuses: 8' 0".	28/7	44	6' 2"	M		30/3	43	1' 8"	M
	31/7	45	5' 5"	M		11/4	41	2' 8"	F
	9/8	45	0' 6"	M		14/4	43	3' 9"	M
	16/8	41	8' 0"	F		17/4	42	1' 10"	M
	18/8	40	2' 1"	M		"	42	2' 0"	M
	28/8	40	5' 6"	M		"	44	2' 3"	M
	7/9	46	9' 0"	M		25/4	41	2' 6"	M
	"	44	11' 8"	F		4/5	46	3' 9"	F
9/9	49	8' 0"	M	6/5	45	0' 7"	F		

## Sperm-whale fetuses.

<i>Natal.</i> Average length of fetuses: 3' 0"	7/3	38	2' 5"	F	<i>Japan</i> (cont.).	19/1	31	10' 0"	M
	13/3	33	3' 0"	M		20/1	30	8' 11"	M
	23/3	33	2' 0"	F		1/2	35	8' 10"	F
	25/3	33	3' 5"	M		"	32	3' 3"	M
	"	33	1' 8"	M		"	30	5' 0"	F
	29/3	35	1' 0"	F		"	33	5' 0"	F
	30/3	30	2' 0"	M		"	31	6' 0"	F
	22/4	30	3' 0"	M		24/6	31	6' 0"	M
	19/5	33	7' 3"	M		4/7	33	13' 8"	M
	"	34	4' 7"	M		"	36	8' 0"	M
						"	33	1' 2"	M
<i>Cape Province.</i> Average length of fetuses: 12' 0"	27/8	37	10' 0"	F	5/7	35	13' 0"	M	
	17/9	38	14' 0"	M	7/7	33	14' 0"	M	
					"	32	1' 2"	F	
<i>Spanish Morocco.</i> Average length of fetuses: 4' 4"	18/1	36	1' 0"	M	"	35	12' 5"	F	
	"	36	6' 0"	M	"	31	1' 1"	M	
	12/2	37	6' 0"	M	8/7	36	13' 0"	M	
					"	34	1' 11"	M	
					"	31	11' 1"	F	
<i>Japan.</i> Average length of fetuses: 5' 9"	10/1	31	8' 0"	F	16/7	32	13' 6"	F	
	"	33	3' 6"	F	"	32	12' 0"	M	
	13/1	32	10' 0"	F	17/7	33	2' 11"	F	
	"	35	8' 0"	F	"	38	3' 4"	M	
	"	31	8' 0"	F	19/7	31	1' 11"	F	
	"	32	7' 0"	M	"	33	10' 0"	M	
	"	30	6' 0"	F	20/7	36	7' 2"	M	
	"	30	6' 0"	F	"	32	9' 8"	M	
	19/1	33	6' 6"	M	"	33	1' 2"	F	
				11/8	33	1' 6"	M		

Table No. 9 (continued).

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.	
		Mother.	Foetus.				Mother.	Foetus.		
<i>Japan</i> (cont.).	11/8	32	2' 1"	F	<i>Bonin Island.</i> Average length of foetuses: 9' 1"	28/2	32	10' 0"	F	
	12/8	36	4' 6"	F		"	33	10' 0"	F	
	"	34	2' 8"	F		"	31	9' 0"	M	
	18/8	38	1' 6"	F		"	35	11' 6"	F	
	"	33	11' 5"	M		"	34	9' 9"	F	
	26/8	34	12' 0"	F		"	29/2	33	11' 0"	M
	5/9	33	1' 1"	F		"	36	9' 0"	F	
	20/9	32	2' 8"	F		"	3/3	39	8' 0"	F
	"	32	13' 6"	F		"	7/3	31	10' 5"	M
	24/9	35	3' 6"	F		"	"	37	11' 1"	F
	"	35	3' 4"	F		"	8/3	39	0' 2"	F
	26/9	31	5' 5"	F		"	"	33	8' 4"	M
	"	35	4' 0"	M		"	"	35	5' 2"	F
	29/9	34	5' 0"	M		"	10/3	35	11' 0"	M
	"	33	3' 2"	M		"	12/3	35	9' 0"	F
	4/10	33	3' 6"	F		"	29/3	35	11' 7"	M
	"	35	6' 0"	F		"	"	35	12' 2"	M
	"	34	4' 8"	M		"	"	36	12' 2"	M
	9/10	37	13' 6"	M		"	16/4	36	7' 8"	M
	20/10	34	4' 11"	M		"	"	36	0' 2"	F
	"	32	2' 10"	F		"	1/5	35	13' 6"	M
	"	35	1' 8"	M		"	"	31	6' 7"	F
	"	33	3' 6"	F		"	"	37	10' 8"	F
	"	32	3' 2"	F		"	"	36	9' 7"	F
	"	33	6' 5"	M		"	"	"	"	"
	"	31	2' 8"	F		"	"	"	"	"
	"	32	4' 8"	M		"	16/7	35	5' 0"	M
	"	30	4' 6"	M		"	"	35	5' 0"	F
	"	32	3' 8"	M		"	25/7	36	11' 0"	M
	"	32	2' 4"	F		"	"	35	6' 0"	M
	"	32	5' 5"	F		"	26/7	35	10' 0"	M
	"	32	4' 1"	F		"	3/8	35	9' 0"	M
	"	32	1' 1"	M		"	5/8	35	8' 0"	M
	"	33	5' 5"	M		"	"	33	8' 0"	M
	"	38	1' 5"	F		"	9/8	35	4' 0"	F
	22/10	34	12' 5"	F		"	"	36	8' 0"	M
	"	34	1' 3"	F		"	11/8	36	10' 0"	M
	"	31	4' 0"	M		"	"	35	12' 0"	F
	2/11	33	5' 2"	M		"	"	36	8' 0"	F
	5/11	34	2' 3"	M		"	"	35	5' 0"	M
	"	34	2' 3"	M		"	"	36	10' 0"	M
	11/11	30	3' 6"	M		"	"	36	9' 0"	M
	"	34	4' 6"	M		"	"	36	9' 0"	M
	12/11	30	5' 0"	M		"	15/8	35	8' 0"	F
	18/11	32	5' 6"	M		"	"	37	8' 0"	F
	"	34	7' 1"	F		"	"	35	8' 0"	M
"	35	6' 9"	F	"	"	36	4' 0"	M		
"	33	5' 6"	F	"	"	35	6' 0"	F		
"	37	3' 6"	F	"	16/8	36	12' 0"	F		
"	31	5' 3"	M	"	19/8	35	7' 0"	M		
"	35	3' 7"	F	"	21/8	36	8' 0"	M		
21/11	34	1' 8"	F	"	28/8	35	7' 0"	F		
"	34	5' 0"	F	"	27/9	35	12' 0"	M		
"	31	6' 9"	M	"	4/10	37	4' 0"	M		
23/11	33	5' 5"	M	"	"	35	2' 0"	F		
27/11	31	5' 8"	F	"	13/10	35	12' 0"	M		
1/12	37	6' 4"	M	"	16/10	35	9' 0"	F		
17/12	36	9' 6"	F	"	18/10	35	13' 0"	M		
					25/10	36	9' 0"	M		
					"	35	11' 0"	M		

Table No. 9 (continued).

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
<i>Peru</i> (cont.).	28/10	35	8' 0"	F	<i>Chile</i> (cont.)	20/1	34	11' 2"	M
	8/11	37	13' 0"	M		21/1	34	11' 2"	M
	11/12	35	17' 0"	M		22/1	36	13' 1"	M
	13/12	36	16' 0"	M		26/1	37	13' 1"	M
	14/12	35	5' 0"	M		„	32	13' 1"	M
	19/12	33	17' 0"	M		20/2	34	6' 7"	M
	„	33	14' 0"	F		„	32	1' 6"	F
<i>Chile.</i>	5/1	32	11' 6"	F	27/2	37	14' 1"	M	
Average length of foetuses: 10' 8".	„	38	11' 2"	F					
	„	37	10' 10"	F					
	10/1	34	10' 8"	M					

## Bryde-whale foetuses.

<i>Cape Province.</i>	24/4	51	8' 7"	M	<i>Cape Province</i> (cont.).	2/5	52	1' 6"	F
Average length of foetuses: 6' 8".	„	48	11' 10"	F		3/5	54	10' 10"	M
	„	47	8' 3"	F		„	51	6' 2"	M
	„	47	6' 8"	M		4/5	54	7' 11"	M
	„	47	10' 2"	F		14/5	47	8' 2"	M
	25/4	47	6' 10"	F		15/5	47	7' 10"	M
	„	47	5' 2"	F		23/5	45	1' 8"	F
	27/4	51	11' 2"	M		25/5	47	3' 3"	F
	28/4	51	6' 8"	M		„	47	1' 10"	F
	29/4	52	5' 8"	F		4/6	50	9' 6"	M
	„	49	3' 2"	F		3/8	45	4' 0"	F







