

INTERNATIONAL
WHALING STATISTICS

XXXIX

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PREFACE

The present publication, International Whaling Statistics No. XXXIX, comprises the whaling operations in the Antarctic during the season 1955-56 and on grounds outside the Antarctic in the calendar year 1956.

Statistical data relating to the size and sex of the whales killed have not been received from the following companies: "*José Lopez Gutierrez S. A.*", *Algeciras, Spain*, "*Industrial Ballenera S. A.*", *Canelinas and Vigo, Spain*, "*Consorcio Ballenero S. A.*", *Pisco, Peru* and "*Macaya Hermanos y Cia*", *San Vicente, Chile*.

With these exceptions the statistics, to the best knowledge of the Committee, include all whaling operations carried on in 1956.

Oslo, December 1957.

Gunnar Jahn.

Birger Bergersen.

Einar Vangstein.

INTRODUCTION

This publication comprises the world aggregate whaling results for 1956, i.e. the catch in the Antarctic during the season 1955-56 and the catch on grounds outside the Antarctic during the calendar year 1956. Detailed information about the whaling activity in the Antarctic during the season 1955-56 has been given in International Whaling Statistics No. XXXVIII. The present volume gives specifications of the operations on grounds outside the Antarctic in 1956.

The Panamanian floating factory "*Olympic Challenger*" caught 3 sei-whales and 121 sperm-whales in the Southern Atlantic on its way from the Antarctic whaling grounds in the spring 1956. This floating factory has later been sold to Japan and has been re-named "*Kyokuyo Maru No. 2*".

The Spanish company "*Industria Ballenera S. A.*", which has previously operated from a shore station at Canelinas on the coast of Spain, has in 1956 also commenced whaling from a shore station at Vigo in Spain.

The following companies commenced whaling on grounds outside the Antarctic in 1956:

"*Aukra Hval A/S*" from shore station Hestnes, Norway,
"*Hawkes Harbour Whaling Co.*" from shore station Hawkes Harbour,
Labrador,
"*Del Monte Fishing Co.*" from shore station Point San Pablo, California,
"*Norfolk Whaling Co. Ltd.*" from a shore station on Norfolk Island, Australia,
"*Hauraki Whaling Limited*" from a shore station in Hauraki Gulf, New Zealand.

On the other hand there was no operation from the station belonging to "*A/S Blomvåg Hval*" at Blomvåg in Norway.

"*Australian Whaling Commission*" has sold its shore station at Carnarvon on the west coast of Australia to "*Nor' West Whaling Company Ltd.*", for whose account whaling was carried on in 1956. The latter company has a shore station at Point Cloates, but this station was not in operation in 1956.

In 1956 whaling was carried on from the following grounds outside the Antarctic:

Africa: Natal, South Atlantic,

Brazil: Paraiba, Santa Catarina,

North Atlantic and Arctic: Azores, Madeira, Spain, Norway, Faroe Islands, Iceland, West Greenland, Newfoundland (Labrador),

Pacific North: California, British Columbia, Bering Sea, Kamtchatka, Kuril Islands, Japan,

Other grounds: Peru, Chile, Australia, New Zealand.

These whaling grounds are the same as those operated in 1955 with the exception of California.

From table *a*, page 13, it will be seen that whaling on grounds outside the Antarctic during the year 1956 was carried on from 50 shore stations and 3 floating factories, i.e. 3 shore stations more than in 1955 but the same number of floating factories. The total number of catchers employed in 1956 was 141 as against 134 during the preceding season. In 1951, when the whaling outside the Antarctic reached its maximum in post-war years, the whaling matériel in operation was 51 shore stations, 7 floating factories and 210 catchers.

In the survey below is recorded the number of whales killed on grounds outside the Antarctic during the period 1937/38–1955/56. Figures for the Antarctic whaling are also included in order to give the total world whaling results during this period.

Season	Total of whales killed	In Antarctic			On other grounds		
		Total	Baleen whales	Sperm-whales	Total	Baleen whales	Sperm-whales
1937-38	54,902	46,039	45,172	867	8,863	5,967	2,896
1938-39	45,783	38,356	35,771	2,585	7,427	4,501	2,926
1939-40	37,709	32,900	30,962	1,938	4,809	2,076	2,733
1940-41	23,638	16,363	15,559	804	7,275	2,438	4,837
1941-42	8,014	1,425	1,316	109	6,589	1,741	4,848
1942-43	8,372	998	974	24	7,374	1,895	5,479
1943-44	6,445	1,799	1,698	101	4,646	2,133	2,513
1944-45	5,919	2,891	2,846	45	3,028	1,404	1,624
1945-46	19,384	13,387	13,114	273	5,997	2,809	3,188
1946-47	34,820	25,593	24,162	1,431	9,227	3,112	6,115
1947-48	43,431	31,318	28,696	2,622	12,113	4,885	7,228
1948-49	44,002	31,435	27,357	4,078	12,567	7,629	4,938
1949-50	45,060	32,396	29,669	2,727	12,664	7,205	5,459
1950-51	55,795	33,997	29,029	4,968	21,798	8,502	13,296
1951-52	49,832	35,237	29,752	5,485	14,595	8,523	6,072
1952-53	45,009	30,653	28,321	2,332	14,356	7,111	7,245
1953-54	53,642	34,872	31,993	2,879	18,770	8,106	10,664
1954-55	55,075	37,654	31,864	5,790	17,421	7,618	9,803
1955-56	58,126	38,580	31,606	6,974	19,546	7,930	11,616

During the season 1955–56 the total number of whales killed in the Antarctic and on grounds outside the Antarctic reached a record figure of 58,126, or about 3,000 animals more than during the preceding season. This increase was entirely due to a greater sperm-whale catch. In 1955–56 the total number of sperm-whales killed on all whaling grounds was 18,590 against 15,593 in 1954–55. The number of baleen whales killed was about 39,500 in both seasons.

On the whaling grounds outside the Antarctic the total catch in 1956 increased by 2,125 whales, of which 1,813 were sperm-whales and 312 baleen whales. The total catch amounted to 19,546 whales, which is the highest number ever reached—apart from the season 1951 when 4 floating factories with 50 catchers were operating off the coast of Peru and killed 6,350 sperm-whales. During all the post-war seasons there has been a steady increase in the total catch outside the Antarctic. Since 1949 this increase has been entirely due to the exceptionally great rise in the sperm-whale catch. The number of sperm-whales killed increased from 4,938 in 1949 to 11,616 in 1956. During these 8 seasons the baleen whale catch was comparatively constant, varying between 7,100 and 8,500 whales only.

In the annexed tables *j-z*, pages 22–30, particulars are given for a series of years in respect to the individual grounds in each area outside the Antarctic. In the following a few comments are made on the catch results from the most important grounds.

North Atlantic and Arctic. The total catch in the North Atlantic and Arctic kept on the same level in 1956 as in the preceding seasons from and including 1952. During each of these seasons whaling was carried on chiefly from Norway, the Faroe Islands and Iceland, and the total catch was about 800 to 900 whales. During the 4 previous seasons 1948–1951, with a considerable catch from Newfoundland, the total catch in North Atlantic and Arctic varied between 1,575 and 1,751 whales. Two shore stations on Newfoundland, which had been operating for a number of years, were closed in 1952.

The catch off the Norwegian coast was reduced from 392 whales in 1954 to 266 in 1955 and further to 206 in 1956—the lowest result during the post-war years. Only 3 shore stations were operating here in 1955 and 1956 as against 4 in 1954. The catch from Iceland, however, increased from 334 whales in 1954 to 400 in 1955 and 440 in 1956.

The fin-whale is the most important species of whales killed in North Atlantic and Arctic, and during all the post-war years the fin-whale catch has been dominating in these waters. A not insignificant number of blue-whales was killed during the years 1948–1951, but later this blue-whale catch has decreased considerably, to a great extent on account of the above mentioned reduced activity from Newfoundland. From and including the summer 1955 the taking of blue-whales in North Atlantic and Arctic was prohibited for a period of 5 years. Denmark and Iceland, which have protested against this prohibition, in 1955 caught 1 blue-whale from the Faroe Islands, 10 blue-whales from Iceland and 1 from West Greenland, and in 1956 8 blue-whales from Iceland and 1 from West Greenland. The other countries have submitted to the said prohibition.

An unusually high number of sperm-whales was killed in North Atlantic and Arctic in 1956, viz. 277 against 142 in 1955. Of these sperm-whales 97 were caught from the Faroe Islands and 95 from Iceland.

Coast of Africa. Whaling in the African waters was in 1956, as in the preceding season, carried on from the coast of Natal only. From this ground a total of 1,229 whales were killed as against 1,310 in 1955. There was a strong decline in the number of sperm-whales and sei-whales killed, but on the other hand the fin-whale catch increased by 136 animals and brought the oil production on the Natal ground up to 51,105 barrels, from 45,206 barrels in the previous season. One single company was operating from one shore station with 12-13 catchers during the 3 last seasons.

The whaling operations off the coast of Africa have been reduced considerably since 1951. During each of the seasons 1949-1951, when the humpback catch on the Congo ground was of special importance, the total African catch varied between 4,000 and 5,000 whales.

Pacific North (excl. Japan, Bering Sea, Kamtchatka and Kuril Islands). In 1956 whaling was resumed from California. From this ground no whaling had been carried on since 1951, when one shore station with 2 catchers killed 40 whales, of which 26 sperm-whales. The catch in 1956, also from one shore station with 2 catchers, amounted to 145 whales, of which 133 were humpbacks. This was the highest number of humpbacks killed on the California ground since 1919-1924, when the annual catch of humpbacks varied between 124 and 600 animals.

The catch from British Columbia showed a marked decrease in 1956, as one shore station with 6 catchers killed 375 whales only. During each of the two preceding seasons the same shore station, also with 6 catchers, killed 630 whales. There was a strong decline in the sperm- and sei-whale catch on this ground in 1956, but this decline was, however, to some extent compensated by a greater fin-whale catch.

Japan and Korea. During the post-war years no whaling has been carried on from Korea. On the coast of Japan 20 shore stations were operating with 25 catchers in 1956. This is the same number of catchers employed in these waters as during all post-war seasons from and including 1946. The total number of whales killed in 1956 amounted to 3,284, as against 2,387 in 1955. Most of the whales are sperm-whales, and in 1956 the number of sperm-whales killed increased by about 600. The baleen whale catch in the Japanese waters consists mainly of fin- and sei-whales. In 1956 the number of sei-whales killed increased by about 300 animals. The total catch in 1956 was the highest ever reached on the coast of Japan.

Bering Sea. The catch in the Bering Sea by Japanese floating factories has increased considerably during recent seasons. Two floating factories with 14 catchers in 1956, with 13 catchers in 1955 and 10 catchers in 1954 killed 3,168, 2,652 and 2,217 whales, respectively. In 1953 and 1952 one

floating factory with 4 catchers killed 701 and 319 whales, respectively. The majority of the catch in the Bering Sea consists of fin-whales and sperm-whales, but it also includes a not insignificant number of blue-whales, viz. 70 in each of the seasons 1956 and 1955, 145 in 1954 and 91 in 1953. During the 3 last seasons the fin-whale catch in the Bering Sea was far greater than on any other ground outside the Antarctic.

Kamtchatka. The Sovjet Russian floating factory, which has been operating off Kamtchatka for a series of years, in 1956 caught 1,119 whales or approximately the same number as during each of the 3 preceding seasons. The catch on this ground is mainly a sperm-whale catch.

Kuril Islands. In 1956 whaling from the Kuril Islands was carried on from 4 shore stations with 15 catchers, and the number of whales killed was 2,179. During each of the preceding seasons back to 1950 5 shore stations were operating with 12-13 catchers, and the annual number of whales killed was about the same, varying only between 1,633 and 2,105 animals. As on the Kamtchatka ground, the whales killed from Kuril Islands are mainly sperm-whales. In 1956 45 blue-whales were killed from Kuril Islands, compared with 27 in 1955 and 23 in 1954.

Chile. During all the post-war years 2 shore stations have been operating on the coast of Chile. The total number of whales killed by 12 catchers in 1956 was 1,633, as against 1,298 by 13 catchers in 1955. This increase was mainly due to a greater sperm-whale catch, but also to a greater blue-whale catch. The blue-whale catch, which is quite considerable on the coast of Chile, in 1956 amounted to 209 animals as against 150 in 1955. The number of blue-whales as well as of sperm-whales killed in 1956 were the highest ever recorded on this ground.

Australia. In 1956 whaling was commenced from a new shore station on Norfolk Island, and this station was allotted a quota of 150 humpbacks. The company, which during previous seasons had carried on whaling from its shore station at Point Cloates, was in 1956 operating from the shore station at Carnarvon and had a quota for this season of 1,000 humpbacks, i.e. the same as the aggregate number of the two stations in 1955. The total Australian catch in 1956 from 5 shore stations with 11 catchers amounted to 2,051 whales, of which 1,989 were humpbacks.

Table z, page 30, shows the production of by-products in the Antarctic and on the individual grounds outside the Antarctic during the last two seasons.

The chief by-products are whale meat and whale meal, of which the total production in 1955-56 were 87,900 tons and 69,400 tons, respectively. Of these quanta 45,800 tons whale meat and 43,200 tons whale meal were produced in the Antarctic.

Annex.

Supplementary Tables to the Introduction.

Table a.—Whaling matériel in operation in the years 1937/38—1955/56.

Years. ¹⁾	All whaling grounds.			Antarctic.			Others.		
	Shore stations.	Floating factories.	Catchers.	Shore stations.	Floating factories.	Catchers.	Shore stations.	Floating factories.	Catchers.
1937-38	37	35	357	2	31	256	35	4	101
1938-39	16	37	359	2	34	281	14	3	78
1939-40	9	29	306	2	28	240	7	1	66
1940-41	8	14	175	1	11	93	7	3	82
1941-42	8	2	52	2	—	12	6	2	40
1942-43	8	2	51	1	—	6	7	2	45
1943-44	9	1	63	1	1	15	8	—	48
1944-45	9	1	63	1	1	15	8	—	48
1945-46	38	11	155	3	9	93	35	2	62
1946-47	39	20	243	3	15	147	36	5	96
1947-48	51	21	309	3	17	183	48	4	126
1948-49	49	22	348	3	18	212	46	4	136
1949-50	50	22	382	3	18	237	47	4	145
1950-51	54	26	470	3	19	260	51	7	210
1951-52	51	24	432	3	20	289	48	4	143
1952-53	54	18	381	3	16	251	51	2	130
1953-54	50	21	368	3	17	227	47	4	141
1954-55	50	22	388	3	19	254	47	3	134
1955-56	53	22	419	3	19	278	50	3	141

¹⁾ 1937-38 = Antarctic season 1937-38 and summer 1938, a.s.o.

Table b.—Whales killed in the years 1937/38—1955/56, by species.

Years. ¹⁾	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.
1937-38.....	15,035	29,680	5,125	929	3,763	370	54,902
1938-39.....	14,152	22,622	1,393	815	5,511	1,290	45,783
1939-40.....	11,560	19,722	454	538	4,671	764	37,709
1940-41.....	5,028	9,150	2,939	807	5,641	73	23,638
1941-42.....	81	2,169	306	373	4,957	128	8,014
1942-43.....	151	1,809	288	506	5,503	115	8,372
1943-44.....	353	2,204	282	939	2,614	3	6,445
1944-45.....	1,111	2,617	303	218	1,669	1	5,919
1945-46.....	3,675	10,984	495	747	3,461	22	19,384
1946-47.....	9,302	16,495	290	1,131	7,546	56	34,820
1947-48.....	7,157	24,028	515	1,573	9,850	308	43,431
1948-49.....	7,781	21,763	3,395	1,855	9,016	192	44,002
1949-50.....	6,313	22,902	5,063	2,471	8,186	125	45,060
1950-51.....	7,278	22,819	4,352	3,033	18,264	49	55,795
1951-52.....	5,436	25,605	4,023	3,123	11,557	88	49,832
1952-53.....	4,218	25,581	3,328	2,208	9,577	97	45,009
1953-54.....	3,009	31,335	3,155	2,491	13,543	109	53,642
1954-55.....	2,495	32,185	2,713	1,940	15,593	149	55,075
1955-56.....	1,987	31,496	3,880	2,076	18,590	97	58,126

¹⁾ 1937-38 = Antarctic season 1937/38 and summer 1938, a.s.o.

Table c.—Whales killed in the various main areas 1937/38—1955/56.

Years. *	All areas.		Antarctic.		North Atlantic and Arctic. ¹⁾		Africa.		Pacific, north. ²⁾		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.
1937-38	54,902	100	46,039	83.9	750	1.4	3,044	5.5	483	0.9	1,970	3.6	2,616	4.7
1938-39	45,783	100	38,356	83.8	802	1.7	2,687	5.9	232	0.5	2,280	5.0	1,426	3.1
1939-40	37,709	100	32,900	87.3	78	0.2	1,035	2.7	249	0.7	2,035	5.4	1,412	3.7
1945-46	19,384	100	13,387	69.1	1,145	5.9	984	5.1	113	0.6	1,750	9.0	2,005	10.3
1946-47	34,820	100	25,593	73.5	1,063	3.1	1,406	4.0	402	1.2	1,642	4.7	4,714	13.5
1947-48	43,431	100	31,318	72.1	1,693	3.9	2,308	5.3	492	1.1	1,590	3.7	6,030	13.9
1948-49	44,002	100	31,435	71.4	1,575	3.6	4,966	11.3	509	1.2	1,483	3.4	4,034	9.1
1949-50	45,060	100	32,396	71.9	1,698	3.8	4,122	9.1	620	1.4	1,701	3.8	4,523	10.0
1950-51	55,795	100	33,997	61.0	1,751	3.1	4,639	8.3	817	1.5	1,962	3.5	12,629	22.6
1951-52	49,832	100	35,237	70.7	780	1.6	2,915	5.9	895	1.8	1,993	4.0	7,977	16.0
1952-53	45,009	100	30,653	68.1	924	2.0	1,708	3.8	539	1.2	2,048	4.6	9,137	20.3
1953-54	53,642	100	34,872	65.0	788	1.5	1,088	2.0	630	1.2	2,354	4.4	13,910	25.9
1954-55	55,075	100	37,654	68.4	877	1.6	1,349	2.5	630	1.1	2,387	4.3	12,178	22.1
1955-56	58,126	100	38,580	66.4	858	1.5	1,353	2.3	520	0.9	3,284	5.6	13,531	23.3

¹⁾ Exclusive Spain, Portugal, Azores, and Madeira. ²⁾ Exclusive Japan, Korea, Bering Sea, Kamtchatka, and Kuril Islands.

* Figures for the years 1940/41—1944/45 are omitted. Total number of whales killed 23,638, 8,014, 8,372, 6,445, and 5,919, respectively.

Table d.—Oil production in the years 1937/38—1955/56.

Years. *	All whaling grounds.		Principal grounds.					
			Antarctic.		North Atlantic and Arctic. ¹⁾		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. ²⁾	Barrels.	Barrels.	Barrels.	Barrels.	Barrels.	Barrels.	Barrels.
1937-38	3,641,314	10,200	3,340,330	13,048	22,097	1,004	139,102	6,323
1938-39	3,011,813	8,389	2,820,771	10,038	26,066	1,241	106,793	5,085
1939-40	2,668,756	8,721	2,544,253	10,601	2,950	2,950	40,419	3,674
1945-46	948,715	6,121	818,652	8,803	39,472	2,077	30,552	3,819
1946-47	2,186,749	8,999	1,939,742	13,196	35,757	1,703	47,677	2,649
1947-48	2,437,629	7,889	2,104,051	11,498	61,016	2,034	64,308	2,680
1948-49	2,596,131	7,460	2,219,621	10,470	58,840	1,961	185,003	4,512
1949-50	2,548,230	6,671	2,166,489	9,141	63,612	1,988	154,134	3,585
1950-51	2,957,872	6,293	2,303,690	8,860	63,975	1,882	154,736	3,439
1951-52	2,908,850	6,733	2,479,180	8,578	27,427	1,371	93,342	2,667
1952-53	2,544,760	6,679	2,118,097	8,439	29,911	1,300	53,831	2,447
1953-54	2,862,408	7,778	2,285,720	10,069	25,507	1,417	43,936	3,138
1954-55	2,764,645	7,125	2,242,555	8,829	31,542	1,577	46,041	3,477
1955-56	2,911,616	6,949	2,307,171	8,299	31,174	1,641	54,923	3,931
1937-38	Per cent	100.0	Per cent	91.8	Per cent	0.6	Per cent	3.8
1938-39		100.0		93.7		0.9		3.5
1939-40		100.0		95.3		0.1		1.5
1945-46		100.0		86.3		3.9		3.2
1946-47		100.0		88.7		1.6		2.2
1947-48		100.0		86.3		2.5		2.6
1948-49		100.0		85.5		2.3		7.1
1949-50		100.0		85.0		2.5		6.0
1950-51		100.0		77.9		2.2		5.2
1951-52		100.0		85.2		0.9		3.2
1952-53		100.0		83.2		1.2		2.1
1953-54		100.0		79.9		0.9		1.5
1954-55		100.0		81.1		1.1		1.7
1955-56		100.0		79.2		1.1		1.9

¹⁾ Exclusive Spain, Portugal, Azores, and Madeira. ²⁾ Barrel = 170 kg. (Barrel = abt. $\frac{1}{4}$ long ton, 1 long ton = 1,016 kg.)

* Figures for 1940/41—1944/45 are omitted. Total oil output 1,268,081, 213,948, 212,307, 224,207, and 304,318 barrels, respectively.

Table e.—Sperm-oil production in the years 1938/39 and 1949/50—1955/56.

Grounds.	¹⁾ 1938-39	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels
South Georgia.....	6,971	7,902	9,944	6,417	6,640	8,677	4,154	4,119
Antarctic, pelagic.....	144,775	130,400	242,858	279,952	113,887	135,890	281,722	337,739
Africa:—								
Natal.....	16,083	13,991	25,744	13,238	12,371	14,858	16,447	15,007
Cape Province.....	—	3,300	4,184	8,715	6,794	—	—	—
Madagascar.....	1,291	400	—	—	—	—	—	—
Indian Ocean.....	—	1,000	—	—	—	—	—	—
South Atlantic, pelagic....	—	—	—	—	—	—	⁴⁾ 835	⁴⁾ 3,738
French Congo ²⁾	—	—	2,580	—	—	—	—	—
Spanish Morocco.....	—	1,236	1,177	434	216	625	—	—
Brazil: Paraiba.....	—	—	—	20	45	45	15	51
North Atlantic and Arctic:—								
Azores.....	6,920	9,949	16,199	16,167	12,661	16,761	15,871	14,244
Madeira.....	—	387	3,594	3,971	3,079	2,479	4,287	4,568
Spain.....	—	52	627	1,814	895	1,505	3,075	3,873
Portugal.....	—	143	209	—	—	—	—	—
Norway.....	737	3,846	3,734	2,537	2,343	4,776	2,070	2,930
Scotland.....	—	—	40	—	—	—	—	—
Faroe Islands.....	558	1,981	2,856	46	1,916	452	3,245	4,430
Iceland.....	183	485	647	94	2,630	2,894	1,100	5,676
West Greenland.....	—	108	³⁾ 130	³⁾ 161	112	224	396	567
Newfoundland.....	840	1,758	799	—	—	—	—	598
Pacific North:—								
California.....	—	—	979	—	—	—	—	232
British Columbia.....	—	1,468	5,108	4,577	9,829	7,738	11,284	4,697
Alaska.....	2,655	—	—	—	—	—	—	—
Bering Sea.....	—	—	—	—	—	23,882	47,905	73,994
Kamtschatka.....	7,904	24,706	29,919	26,305	35,316	26,929	35,369	37,565
Kurul Islands.....	—	34,353	36,700	39,722	34,525	35,082	36,324	40,374
Japan.....	10,961	22,512	23,146	20,804	23,722	26,568	25,580	36,051
Bonin Island, pelagic.....	—	2,003	1,968	541	—	—	—	—
Peru.....	—	—	195,956	725	20,474	102,925	30,667	32,441
Chile.....	5,928	22,575	21,115	20,925	16,510	17,194	18,929	25,517
Australia and New Zealand..	—	—	—	—	—	—	243	2,699
Total	205,806	284,555	630,213	447,195	303,965	429,504	539,518	651,110
<i>Of which produced by:</i>								
Norway.....	{ In Antarctic 65,976	{ 63,306	{ 129,467	{ 117,737	{ 29,806	{ 35,252	{ 139,729	{ 132,469
	{ Outside " 737	{ 3,846	{ 23,399	{ 2,537	{ 2,343	{ 4,776	{ 2,905	{ 2,930
United Kingdom...	{ In Antarctic 16,729	{ 45,020	{ 53,407	{ 67,954	{ 56,165	{ 50,498	{ 56,902	{ 65,795
	{ Outside " 840	{ 1,698	{ 784	{ —	{ —	{ —	{ —	{ —
Union of South Africa	{ In Antarctic 1,711	{ 10,077	{ 23,762	{ 19,540	{ 9,566	{ 8,320	{ 16,978	{ 28,860
	{ Outside " 17,374	{ 17,291	{ 29,928	{ 21,953	{ 19,165	{ 14,858	{ 16,447	{ 15,007
Japan.....	{ In Antarctic 35,797	{ 9,686	{ 22,489	{ 52,429	{ 6,747	{ 31,853	{ 51,894	{ 69,964
	{ Outside " 10,961	{ 24,515	{ 25,114	{ 21,345	{ 23,722	{ 50,450	{ 73,485	{ 110,045
U.S.S.R.....	{ In Antarctic —	{ 2,570	{ 4,823	{ 7,353	{ 4,190	{ 9,788	{ 10,029	{ 10,565
	{ Outside " 7,904	{ 59,059	{ 66,619	{ 66,027	{ 69,841	{ 62,011	{ 71,693	{ 77,939
Netherlands..	{ In Antarctic —	{ 5,038	{ 12,191	{ 17,300	{ 1,920	{ 6,957	{ 6,404	{ 18,272
	{ Outside " 3,078	{ —	{ 2,450	{ 1,127	{ 9,200	{ —	{ 2,190	{ 14,540
Panama.....	{ In Antarctic —	{ —	{ 72,010	{ —	{ —	{ 73,000	{ —	{ 3,738
	{ Outside " —	{ —	{ —	{ —	{ —	{ —	{ —	{ —
Argentina....	{ In Antarctic 4,942	{ 2,605	{ 4,213	{ 2,929	{ 2,933	{ 1,899	{ 1,750	{ 1,393
	{ Outside " —	{ 1,468	{ 5,108	{ 4,577	{ 9,829	{ 7,738	{ 11,284	{ 5,295
Canada.....	{ Outside " —	{ —	{ —	{ —	{ —	{ —	{ —	{ —
Portugal.....	{ Outside " 6,920	{ 10,479	{ 20,750	{ 20,138	{ 15,740	{ 19,240	{ 20,158	{ 19,812
Spain.....	{ Outside " —	{ 1,288	{ 1,804	{ 2,278	{ 1,111	{ 2,130	{ 3,075	{ 3,873
Denmark.....	{ Outside " 558	{ 2,089	{ 2,986	{ 207	{ 2,028	{ 676	{ 3,641	{ 4,997
Iceland.....	{ Outside " 183	{ 485	{ 647	{ 94	{ 2,630	{ 2,894	{ 1,100	{ 5,676
Peru.....	{ Outside " —	{ —	{ 447	{ 725	{ 20,474	{ 29,925	{ 30,667	{ 32,441
Chile.....	{ Outside " 5,928	{ 22,575	{ 21,115	{ 20,925	{ 16,510	{ 17,194	{ 18,929	{ 25,517
Other countries{ In Antarctic ⁵⁾ 23,513								
	{ Outside " 2,655	{ 1,460	{ ⁶⁾ 106,700	{ 20	{ 45	{ 45	{ 258	{ ⁷⁾ 2,982

¹⁾ 1938-39 = Antarctic season 1938-39 and summer 1939, a.s.o. ²⁾ Incl. St. Thom's. ³⁾ Calculated. ⁴⁾ Produced by floating factories on their voyage to and from the Antarctic. ⁵⁾ Of which 23,581 barrels produced by Germany and 32 barrels by U.S.A. ⁶⁾ Of which 105,666 barrels produced by France, 979 barrels by U.S.A., and 55 barrels by Newfoundland. ⁷⁾ Of which 2,624 barrels produced by Australia, 51 barrels by Brazil, 232 barrels by U.S.A., and 75 barrels by New Zealand.

Table f.—Whaling results for the various countries 1937/38—1955/56. All areas.
Number of whales killed.

Years *	All countries	Argentina.	Brazil.	British Commonwealth. ¹⁾	Chile.	Denmark.	Iceland.	Japan.	Netherlands.	Norway.	Panama.	Peru	Portugal.	Spain	United States of America	U.S.S.R.
<i>Absolute figures:</i>																
1937-38.....	³⁾ 54,902	1,062	—	19,542	338	208	147	7,552	—	²⁾ 15,355	1,527	—	417	—	2,650	265
1938-39.....	³⁾ 45,783	1,024	—	14,104	469	178	130	9,820	—	²⁾ 11,871	907	—	400	—	1,338	476
1939-40.....	37,709	705	—	13,207	78	—	—	9,698	—	11,040	1,421	—	552	—	1,008	—
1946-47.....	34,820	857	25	14,736	851	284	—	3,181	770	12,857	—	—	835	—	38	386
1947-48.....	43,431	814	36	17,150	1,116	302	239	3,157	1,294	16,104	—	—	1,001	47	67	2,104
1948-49.....	44,002	919	38	14,811	991	335	324	3,331	1,366	16,570	1,356	—	656	134	49	3,122
1949-50.....	³⁾ 45,060	946	128	12,782	1,093	478	265	4,121	1,295	17,234	—	—	448	146	—	3,931
1950-51.....	³⁾ 55,795	796	179	13,921	1,094	387	339	5,043	1,660	18,024	4,021	61	1,641	236	40	4,274
1951-52.....	³⁾ 49,832	798	168	14,277	1,374	44	265	6,578	1,650	16,102	1,408	95	784	274	—	5,579
1952-53.....	45,009	678	175	13,772	1,198	190	332	5,394	1,575	11,620	2,365	1,340	637	128	—	5,605
1953-54.....	53,642	1,083	202	13,718	1,328	62	334	8,789	1,711	15,320	2,348	1,827	807	282	—	5,831
1954-55.....	55,075	947	213	13,529	1,298	196	400	10,997	848	14,796	2,512	1,887	839	292	—	6,321
1955-56.....	58,126	812	217	13,464	1,633	190	440	12,914	1,665	14,716	2,854	2,027	705	273	145	6,071
<i>Percentage figures:</i>																
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1937-38.....	³⁾ 100.0	1.9	—	35.6	0.6	0.4	0.3	13.8	—	28.0	2.8	—	0.7	—	4.8	0.5
1938-39.....	³⁾ 100.0	2.2	—	30.8	1.0	0.4	0.3	21.5	—	25.9	2.0	—	0.9	—	2.9	1.0
1939-40.....	100.0	1.9	—	35.0	0.2	—	—	25.7	—	29.3	3.8	—	1.4	—	2.7	—
1946-47.....	100.0	2.5	0.1	42.4	2.4	0.8	—	9.1	2.2	36.9	—	—	2.4	—	0.1	1.1
1947-48.....	100.0	1.9	0.1	39.5	2.6	0.7	0.6	7.3	3.0	37.1	—	—	2.2	0.1	0.1	4.8
1948-49.....	100.0	2.1	0.1	33.7	2.2	0.8	0.7	7.6	3.1	37.7	3.1	—	1.4	0.3	0.1	7.1
1949-50.....	³⁾ 100.0	2.1	0.3	28.4	2.4	1.1	0.6	9.1	2.9	38.2	—	—	1.0	0.3	—	8.7
1950-51.....	³⁾ 100.0	1.4	0.3	25.0	2.0	0.7	0.6	9.0	3.0	32.3	7.2	0.1	2.9	0.4	0.1	7.7
1951-52.....	³⁾ 100.0	1.6	0.3	28.7	2.8	0.1	0.5	13.2	3.3	32.3	2.8	0.2	1.6	0.5	—	11.2
1952-53.....	100.0	1.5	0.4	30.6	2.7	0.4	0.7	12.0	3.5	25.8	5.2	3.0	1.4	0.3	—	12.5
1953-54.....	100.0	2.0	0.4	25.6	2.5	0.1	0.6	16.4	3.2	28.5	4.4	3.4	1.5	0.5	—	10.9
1954-55.....	100.0	1.7	0.4	24.6	2.4	0.3	0.7	20.0	1.5	26.9	4.6	3.4	1.5	0.5	—	11.5
1955-56.....	100.0	1.4	0.4	23.2	2.8	0.3	0.8	22.2	2.9	25.3	4.9	3.5	1.2	0.5	0.2	10.4

¹⁾ Specification for countries of the British Commonwealth is given on the second following page. ²⁾ Including the catch of two Norwegian expeditions hired by Germany—in 1937/38 2,158 whales, and in 1938/39 1,658 whales. ³⁾ In the total figures for the seasons 1937/38, 1938/39 and 1949/50—the whaling results for the following countries are included: For *Germany* in 1937/38—5,839 whales = 10.6 per cent and in 1938/39—5,056 whales = 11.1 per cent. For *France* in 1949/50—2,193 whales = 4.9 per cent of all whales killed, in 1950/51—4,079 whales = 7.3 per cent and in 1951/52—436 whales = 0.9 per cent.

* The years 1940/41-1945/46 are omitted. Total number of whales killed: 23,638, 8,014, 8,372, 6,445, 5,919 and 19,384, respectively.

Table g.—Whaling results for the various countries 1937/38—1955/56. All areas.
Oil production in barrels.¹⁾

Years.*	All countries.	Argentina.	Brazil.	British Commonwealth. ²⁾	Chile.	Denmark.	Iceland.	Japan.	Netherlands.	Norway.	Panama.	Peru.	Portugal.	Spain.	United States of America.	U.S.S.R.
<i>Absolute figures:</i>																
1937-38	3,641,314	51,766	-	1,308,015	9,345	6,101	4,920	422,036	- ³⁾	1,169,069	117,650	-	7,284	-	166,299	9,102
1938-39	3,011,813	66,826	-	1,007,223	7,512	5,197	3,764	496,260	- ³⁾	853,867	68,853	-	6,920	-	102,388	18,854
1939-40	2,668,756	39,432	-	938,147	2,234	-	-	593,499	-	909,790	113,000	-	10,047	-	62,607	-
1946-47	2,186,749	47,830	835	901,597	25,036	6,286	-	80,244	77,310	991,709	-	-	19,537	-	1,365	35,000
1947-48	2,437,629	44,965	1,060	949,235	28,522	10,277	9,000	120,716	85,130	1,064,313	-	-	23,103	956	2,350	98,002
1948-49	2,596,131	52,518	1,251	927,729	23,382	10,026	11,820	134,408	109,849	1,119,514	56,720	-	12,859	2,009	1,493	132,553
1949-50	2,548,230	41,348	2,132	767,896	30,231	13,776	12,292	197,613	82,792	1,122,466	-	-	11,100	2,482	-	165,442
1950-51	2,957,872	40,593	2,925	826,162	30,993	9,303	14,012	203,489	103,560	1,150,728	198,532	2,015	41,346	4,529	1,358	182,606
1951-52	2,908,850	41,825	2,171	877,427	35,406	817	9,524	304,499	110,300	1,151,404	97,073	1,941	20,275	5,787	-	233,916
1952-53	2,544,760	32,187	2,837	822,456	30,169	4,834	10,124	267,820	103,710	826,243	164,150	22,108	15,814	2,960	-	239,348
1953-54	2,862,408	53,478	3,636	854,840	27,885	1,419	10,506	389,058	97,596	1,041,389	73,000	31,168	19,283	4,375	-	254,775
1954-55	2,764,645	50,568	3,530	739,757	36,108	6,164	13,229	513,253	64,739	878,359	147,880	31,335	20,158	5,250	-	254,315
1955-56	2,911,616	43,376	3,596	759,931	41,751	6,402	17,141	601,686	103,465	859,246	164,778	32,604	18,843	4,481	5,760	248,556
<i>Per cent figures:</i>																
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1937-38	⁴⁾ 100.0	1.4	-	35.9	0.3	0.2	0.1	11.6	-	32.1	3.2	-	0.2	-	4.6	0.2
1938-39	⁴⁾ 100.0	2.2	-	33.5	0.2	0.2	0.1	16.5	-	28.4	2.3	-	0.2	-	3.4	0.6
1939-40	100.0	1.5	-	35.2	0.1	-	-	22.2	-	34.1	4.2	-	0.4	-	2.3	-
1946-47	100.0	2.2	-	41.2	1.1	0.3	-	3.7	3.5	45.4	-	-	0.9	-	-	1.6
1947-48	100.0	1.8	-	38.9	1.2	0.4	0.4	5.0	3.5	43.7	-	-	1.0	-	0.1	4.0
1948-49	100.0	2.0	-	35.7	0.9	0.4	0.5	5.2	4.2	43.1	2.2	-	0.5	0.1	0.1	5.1
1949-50	⁴⁾ 100.0	1.6	0.1	30.1	1.2	0.5	0.5	7.8	3.2	44.1	-	-	0.4	0.1	0.1	6.5
1950-51	⁴⁾ 100.0	1.3	0.1	27.9	1.0	0.3	0.5	6.9	3.5	38.9	6.7	0.1	1.4	0.2	-	6.2
1951-52	⁴⁾ 100.0	1.4	0.1	30.2	1.2	-	0.3	10.5	3.8	39.6	3.3	0.1	0.7	0.2	0.1	8.0
1952-53	100.0	1.3	0.1	32.3	1.2	0.2	0.4	10.5	4.1	32.5	6.4	0.9	0.6	0.1	-	9.4
1953-54	100.0	1.9	0.1	29.8	1.0	0.1	0.4	13.6	3.4	36.4	2.5	1.1	0.7	0.1	-	8.9
1954-55	100.0	1.8	0.1	26.8	1.3	0.2	0.5	18.6	2.3	31.8	5.4	1.1	0.7	0.2	-	9.2
1955-56	100.0	1.5	0.1	26.1	1.4	0.2	0.6	20.7	3.6	29.5	5.7	1.1	0.6	0.2	0.2	8.5

¹⁾ Barrel = 170 kg. (Barrel = abt. 1/8 long ton. 1 long ton = 1,016 kg). ²⁾ Specification for countries of the British Commonwealth is given on next page. ³⁾ The figures include the catch of two Norwegian expeditions hired by Germany—in 1937/38 180,750 barrels, and in 1938/39 118,383 barrels. ⁴⁾ In the total figures for the seasons 1937/38, 1938/39 and 1949/50—1951/52 the whaling results for the following countries are included: For Germany in 1937/38—369,727 barrels of oil = 10.2 per cent, and in 1938/39—374,149 barrels of oil = 12.4 per cent. For France in 1949/50—98,660 barrels of oil = 3.9 per cent of the total oil production, in 1950/51—145,721 barrels = 4.9 per cent, and in 1951/52—16,485 barrels = 0.6 per cent.

* Figures for the years 1940/41-1945/46 are omitted. Total oil production: 1,268,081 barrels, 213,948 barrels, 212,307 barrels, 224,207 barrels, 304,318 barrels, and 948,715 barrels, respectively.

**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
1938-39.....	14,104	9,625	4,398	—	—	81	—
1939-40.....	13,207	9,953	2,925	—	220	109	—
1946-47.....	14,736	10,494	3,972	157	—	111	2
1947-48.....	17,150	11,410	5,115	347	182	92	4
1948-49.....	14,811	9,280	4,749	193	255	141	193
1949-50.....	12,782	8,151	3,695	155	314	79	388
1950-51.....	13,921	6,626	5,314	209	437	111	1,224
1951-52.....	14,277	6,938	4,946	19	465	122	1,787
1952-53.....	13,772	6,964	4,137	22	539	109	2,001
1953-54.....	13,718	7,620	3,249	—	630	180	2,039
1954-55.....	13,529	7,912	3,006	15	630	112	1,854
1955-56.....	13,464	7,444	3,413	—	397	159	2,051
<i>In per cent of all countries</i>	%	%	%	%	%	%	%
1938-39.....	30.8	21.0	9.6	—	—	0.2	—
1939-40.....	35.0	26.4	7.7	—	0.6	0.3	—
1946-47.....	42.4	30.2	11.4	0.5	—	0.3	—
1947-48.....	39.5	26.3	11.8	0.8	0.4	0.2	—
1948-49.....	33.7	21.2	10.8	0.4	0.6	0.3	0.4
1949-50.....	28.4	18.1	8.2	0.3	0.7	0.2	0.9
1950-51.....	25.0	11.9	9.5	0.4	0.8	0.2	2.2
1951-52.....	23.7	14.0	9.9	—	0.9	0.3	3.6
1952-53.....	30.6	15.5	9.2	—	1.2	0.2	4.5
1953-54.....	25.6	14.2	6.1	—	1.2	0.3	3.8
1954-55.....	24.6	14.4	5.5	—	1.1	0.2	3.4
1955-56.....	23.2	12.8	5.9	—	0.7	0.3	3.5

Oil production in barrels.¹⁾

1938-39.....	1,007,223	796,796	207,738	—	—	2,689	—
1939-40.....	938,147	766,209	159,329	—	8,700	3,909	—
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
1948-49.....	927,729	673,387	226,419	8,506	7,841	5,838	5,738
1949-50.....	767,896	534,629	198,978	5,353	9,598	2,844	16,494
1950-51.....	826,162	490,199	250,946	10,012	14,433	4,482	56,090
1951-52.....	877,427	500,254	261,998	2,325	16,220	4,800	91,830
1952-53.....	822,456	491,012	203,749	2,689	18,255	4,560	102,191
1953-54.....	854,840	537,774	190,224	—	17,507	8,820	100,515
1954-55.....	739,757	471,315	145,015	3,866	18,164	5,020	96,377
1955-56.....	759,931	474,760	160,644	—	13,595	6,325	104,607
<i>In per cent of all countries</i>	%	%	%	%	%	%	%
1938-39.....	33.5	26.5	6.9	—	—	0.1	—
1939-40.....	35.2	28.7	6.0	—	0.3	0.2	—
1946-47.....	41.2	29.2	11.5	0.3	—	0.2	—
1947-48.....	38.9	28.1	9.9	0.5	0.2	0.2	—
1948-49.....	35.7	26.0	8.7	0.3	0.3	0.2	0.2
1949-50.....	30.1	21.0	7.8	0.2	0.4	0.1	0.6
1950-51.....	27.9	16.6	8.5	0.3	0.5	0.1	1.9
1951-52.....	30.2	17.2	9.0	0.1	0.5	0.2	3.2
1952-53.....	32.3	19.3	8.0	0.1	0.7	0.2	4.0
1953-54.....	29.8	18.8	6.6	—	0.6	0.3	3.5
1954-55.....	26.8	17.1	5.2	0.1	0.7	0.2	3.5
1955-56.....	26.1	16.3	5.5	—	0.5	0.2	3.6

¹⁾ Barrel = 170 kg. (Barrel = abt. 1/4 long ton. 1 long ton = 1,016 kg.)

* Figures for the years 1940/41-1945/46 are omitted. Total number of whales killed in 1940-41 4,361, in 1941-42 1,162, in 1942-43 1,057, in 1943-44 1,171, in 1944-45 1,229, and in 1945-46 6,682; total oil production 274,987 barrels, 47,745, 39,932, 40,973, 40,401 and 307,018 barrels, respectively.

Table i.—Average size of whales killed in the different grounds in the years 1938, 1939, and 1951 to 1956.

Species of whales and whaling grounds.	1953	1955	1954	1953	1952	1951	1939	1938
Blue-whales.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
Antarctic:—								
South Georgia	81.33	73.00	73.31	74.00	72.00	76.90	75.81	70.89
Pelagic whaling	77.29	77.76	77.97	77.53	78.03	78.28	78.11	78.42
Africa:—								
Natal	72.40	66.83	70.30	70.40	69.13	69.70	—	67.00
Cape Province	—	—	—	66.25	73.00	76.00	—	—
Madagascar	—	—	—	—	—	—	—	—
Spanish Morocco	—	—	64.80	—	—	—	—	—
North Atlantic and Arctic:								
Portugal	—	—	—	—	—	59.00	—	—
Norway	—	71.00	71.50	67.29	73.00	69.25	—	—
Scotland	—	—	—	—	—	75.25	—	—
Faroe Islands	—	68.00	—	70.00	—	68.11	—	68.00
Iceland	69.13	69.30	71.11	66.80	71.14	68.91	—	—
West Greenland	73.00	92.00	—	75.00	—	—	—	—
Newfoundland	—	—	—	—	—	72.88	—	—
Pacific North:—								
British Columbia	74.64	72.36	74.18	69.88	72.31	71.78	—	—
Bering Sea	77.64	74.25	76.96	75.99	76.84	—	—	—
Kamtschatka	74.57	75.94	74.00	74.64	77.86	74.14	—	—
Kuril Islands	75.69	75.37	74.39	73.80	74.18	69.22	—	—
Japan	71.29	71.10	73.81	70.36	71.48	70.85	—	—
Bonin Island	—	—	—	—	—	—	—	—
Peru	—	—	—	—	—	—	—	—
Chile	72.90	73.31	75.10	74.11	58.00	74.03	—	—
Australia	—	—	67.00	—	—	—	—	—
Fin-whales.								
Antarctic:—								
South Georgia	65.00	64.75	64.04	65.43	65.97	65.98	65.37	64.52
Pelagic whaling	66.54	66.53	67.09	67.27	67.86	66.71	67.21	67.86
Africa:—								
Natal	61.21	61.27	61.37	60.62	62.25	60.50	—	60.14
Cape Province	—	—	—	60.05	60.33	59.84	—	—
Madagascar	—	—	—	—	—	—	—	—
French Congo ¹⁾	—	—	—	—	—	60.25	—	—
Spanish Morocco	—	—	57.50	61.22	61.92	62.25	—	—
Brazil, Paraiba	72.00	—	—	—	—	—	—	—
North Atlantic and Arctic:								
Spain	—	—	—	58.72	—	—	—	—
Portugal	—	—	—	—	—	54.33	—	—
Norway	59.23	57.89	59.20	59.48	58.62	60.08	—	—
Scotland	—	—	—	—	—	59.17	—	—
Faroe Islands	59.79	58.95	58.00	59.90	56.67	61.40	—	—
Iceland	58.94	59.43	58.56	57.30	58.53	59.99	60.62	62.08
West Greenland	62.71	60.86	59.77	60.73	58.56	61.27	—	—
Newfoundland	60.29	57.50	—	57.00	63.00	58.61	—	—
Pacific North:—								
California	58.33	—	—	—	—	63.00	—	—
British Columbia	57.42	57.76	57.19	58.57	57.65	58.06	—	—
Bering Sea	61.20	61.46	61.94	61.79	62.31	—	—	—
Kamtschatka	61.68	61.12	60.67	60.78	60.45	61.30	—	—
Kuril Islands	62.78	61.37	60.06	60.66	60.16	61.11	—	—
Japan	56.97	57.22	56.47	56.91	57.66	56.52	—	—
Bonin Island	—	—	—	—	—	—	—	—
Peru	51.00	—	—	—	—	58.00	—	—
Chile	54.46	54.38	57.23	55.87	56.25	57.27	—	—
Australia	67.00	—	—	63.00	—	—	—	—

¹⁾ Incl. St. Thomé.

Table i (cont.).

Species of whales and whaling grounds.	1956	1955	1954	1953	1952	1951	1939	1938
Humpbacks.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
Antarctic:—								
South Georgia	—	40.00	39.36	40.11	39.80	40.13	—	41.53
Pelagic whaling	39.99	41.05	40.34	40.94	40.42	40.79	39.64	41.07
Africa:—								
Natal	38.03	39.29	37.41	37.82	38.32	37.62	—	36.41
Cape Province	—	—	—	41.00	40.33	36.78	—	—
Madagascar	—	—	—	—	—	—	—	—
French Congo ¹⁾	—	—	—	—	39.88	41.26	—	—
Brazil:—								
Paraiba	41.50	43.00	40.39	39.50	41.56	44.43	—	—
Santa Catarina	—	39.00	—	—	39.00	—	—	—
North Atlantic and Arctic:								
Norway	—	42.00	39.83	43.75	39.50	42.00	—	—
Faroe Islands	46.33	—	—	39.00	—	—	—	—
Iceland	—	—	44.00	38.50	—	44.00	—	—
West Greenland	—	—	—	37.00	—	46.00	—	—
Newfoundland	—	—	—	—	39.00	38.66	—	—
Pacific North:—								
California	40.89	—	—	—	—	43.00	—	—
British Columbia	40.11	39.08	39.68	39.26	40.41	39.00	—	—
Bering Sea	40.27	39.88	40.96	41.29	41.58	—	—	—
Kamtschatka	39.23	40.49	38.90	40.00	38.18	35.00	—	—
Kuril Islands	39.10	44.87	41.25	42.83	39.89	45.88	—	—
Japan	41.57	39.22	39.63	41.13	37.67	40.00	—	—
Bonin Island	—	—	—	—	43.00	—	—	—
Peru	38.00	—	—	—	—	40.00	—	—
Chile	—	45.00	—	44.00	45.00	47.00	—	—
Australia	41.21	40.90	39.90	40.01	40.35	40.31	—	—
New Zealand	40.59	40.54	40.28	41.32	40.33	40.52	—	—
Sei-whales.								
Antarctic:—								
South Georgia	49.95	50.00	49.25	50.11	50.49	50.31	50.89	49.94
Pelagic whaling	50.42	46.48	49.20	51.62	51.00	49.82	51.67	51.00
Africa:—								
Natal	41.91	43.78	43.94	43.21	43.14	44.02	—	—
Cape Province	—	—	—	44.42	45.22	46.94	—	—
Madagascar	—	—	—	—	—	—	—	—
French Congo ¹⁾	—	—	—	—	43.89	44.97	—	—
Spanish Morocco	—	—	51.29	50.22	49.83	45.85	—	—
South Atlantic, pelagic:—	45.00	—	—	—	—	—	—	—
Brazil:—								
Paraiba	49.94	50.31	50.68	49.69	45.01	49.91	—	—
Santa Catarina	—	47.00	—	—	39.25	—	—	—
North Atlantic and Arctic:								
Spain	—	—	—	41.33	—	—	—	—
Norway	44.94	44.30	44.65	40.63	43.50	43.45	—	—
Scotland	—	—	—	—	—	47.67	—	—
Faroe Islands	44.33	42.36	43.33	40.78	35.00	45.13	—	—
Iceland	44.13	42.99	42.27	43.49	44.20	46.00	—	—
West Greenland	45.00	51.67	—	—	—	—	—	—
Newfoundland	48.50	—	—	—	—	44.31	—	—
Pacific North:—								
California	—	—	—	—	—	—	—	—
British Columbia	44.16	44.23	43.84	46.29	44.91	45.40	—	—
Bering Sea	46.26	47.89	47.11	47.06	45.93	—	—	—
Kamtschatka	49.69	47.10	48.73	50.36	47.54	49.94	—	—
Kuril Islands	46.55	47.22	48.09	46.11	45.45	48.00	—	—

¹⁾ Incl. St. Thomé.

Table i (cont.).

Species of whales and whaling grounds.	1956	1955	1954	1953	1952	1951	1939	1938
	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
Pacific North (cont.):—								
Japan	41.54	42.69	42.55	43.10	43.35	43.23	—	—
Bonin Island	—	—	—	—	41.89	42.00	—	—
Chile	42.71	42.17	45.50	44.63	—	37.00	—	—
New Zealand	44.00	—	—	—	47.00	—	—	—
<u>Sperm-whales.</u>								
Antarctic:—								
South Georgia	46.83	48.72	46.97	46.72	48.12	46.88	50.33	50.53
Pelagic whaling	48.39	48.91	49.20	49.90	49.93	50.18	52.86	53.27
Africa:—								
Natal	40.72	39.54	43.57	42.72	43.03	39.04	—	42.12
Cape Province	—	—	—	39.19	39.41	39.39	—	—
Madagascar	—	—	—	—	—	—	—	—
South Atlantic, pelagic.	40.99	38.38	—	—	—	—	—	—
French Congo ¹⁾	—	—	—	—	—	36.24	—	—
Spanish Morocco	—	—	35.12	35.69	31.18	38.58	—	—
Brazil:—								
Paraiba	41.00	40.00	49.00	54.00	45.00	—	—	—
North Atlantic and Arctic:								
Azores	38.99	—	—	—	—	—	—	—
Madeira	39.57	—	—	—	—	—	—	—
Spain	—	—	—	38.32	—	—	—	—
Portugal	—	—	—	—	—	37.64	—	—
Norway	48.47	46.73	49.63	49.73	47.35	49.49	—	—
Scotland	—	—	—	—	—	47.00	—	—
Faroe Islands	47.12	46.83	49.45	46.27	51.00	48.56	51.70	53.15
Iceland	50.85	48.65	48.70	48.98	50.50	50.77		
West Greenland	55.21	52.56	50.11	48.50	54.60	50.33		
Newfoundland	51.62	—	—	—	—	51.67	—	—
Pacific North:—								
California	43.22	—	—	—	—	43.31	—	—
British Columbia	41.56	42.48	42.61	42.96	42.61	41.16	—	—
Bering Sea	45.55	42.99	47.52	—	—	—	—	—
Kamtschatka	43.65	45.59	44.40	44.20	43.80	43.36	—	—
Kurul Islands	39.71	38.35	40.33	38.71	38.21	39.37	—	—
Japan	36.70	36.92	37.43	37.88	38.55	37.93	—	—
Bonin Island	—	—	—	—	45.67	46.03	—	—
Peru	39.80	—	—	—	—	41.80	—	—
Chile	37.96	39.71	38.46	39.98	49.91	42.33	—	—
Australia	44.85	47.00	—	—	—	—	—	—
New Zealand	48.50	—	—	—	—	—	—	—

¹⁾ Incl. St. Thomé.

Table j.—North Atlantic and Arctic.
(Exclusive Azores, Madeira, Spain, and Portugal.)

Grounds.	Years.	Species of whales caught.							Oil production.	Expeditions.			
		Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales		Shore stations.	Float-ing factories.	Catch-ers.	
<i>North Atlantic and Arctic. Total</i>	1938	15	565	2	105	36	¹⁾ 27	750	22,097	7	—	22	
	1939	26	665	9	59	40	²⁾ 3	802	26,066	7	—	21	
	1947	32	945	11	20	55	—	1,063	35,757	7	—	21	
	1948	88	1,368	16	60	112	¹⁾ 49	1,693	61,016	10	—	30	
	1949	79	1,259	17	62	157	³⁾ 1	1,575	58,840	9	—	30	
	1950	54	1,422	29	21	170	³⁾ 2	1,698	63,612	11	—	32	
	1951	52	1,300	40	181	178	—	1,751	63,975	12	—	34	
	1952	15	635	3	51	59	⁴⁾ 17	780	27,427	8	—	20	
	1953	15	585	8	145	148	⁵⁾ 23	924	29,911	9	—	23	
	1954	11	486	7	116	168	—	788	25,507	7	—	18	
	1955	13	550	1	158	142	⁴⁾ 13	877	31,542	7	—	20	
	1956	9	475	3	94	277	—	858	31,174	7	—	19	
	<i>Norway.</i>	1938	4	261	—	94	9	¹⁾ 27	395	11,076	4	—	12
1939		4	282	1	46	14	²⁾ 3	350	11,155	3	—	9	
1947		11	285	—	12	16	—	324	10,871	3	—	9	
1948		2	260	—	35	47	—	344	11,261	4	—	11	
1949		4	342	1	6	20	³⁾ 1	374	11,487	4	—	12	
1950		3	342	8	3	79	—	435	15,979	4	—	13	
1951		4	321	5	11	76	—	417	14,779	4	—	12	
1952		1	374	2	24	51	—	452	14,761	4	—	11	
1953		7	275	4	48	44	⁴⁾ 2	380	12,264	4	—	11	
1954		2	270	6	20	94	—	392	13,582	4	—	11	
1955		1	210	1	10	44	—	266	8,283	3	—	8	
1956	—	132	—	16	58	—	206	6,764	3	—	8		
<i>Scotland.</i>	1950	2	33	—	—	—	—	35	1,057	1	—	1	
	1951	4	13	—	3	1	—	21	791	1	—	1	
<i>Faroe Islands.</i>	1938	2	184	1	6	7	—	200	6,101	2	—	6	
	1939	2	153	1	8	9	—	173	⁶⁾ 5,197	2	—	6	
	1947	3	196	—	2	15	—	216	6,286	2	—	4	
	1948	3	223	—	15	30	—	271	10,277	2	—	5	
	1949	10	222	1	21	53	—	307	9,541	2	—	7	
	1950	6	377	1	2	46	—	432	13,232	2	—	6	
	1951	9	156	—	126	70	—	361	8,953	2	—	6	
	1952	—	20	—	2	1	—	23	522	1	—	2	
	1953	2	87	1	27	52	—	169	4,557	2	—	5	
	1954	—	17	—	3	11	—	31	942	1	—	2	
	1955	1	80	—	11	69	—	161	5,395	1	—	5	
	1956	—	43	3	3	97	—	146	5,460	1	—	5	
<i>Iceland.</i>	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	
	1949	33	249	2	12	28	—	324	11,820	1	—	4	
	1950	28	226	—	—	11	—	265	12,292	1	—	4	
	1951	11	312	1	2	13	—	339	14,012	1	—	4	
	1952	14	224	—	25	2	—	265	9,524	1	—	4	
	1953	5	207	2	70	48	—	332	10,124	1	—	4	
	1954	9	177	1	93	54	—	334	10,506	1	—	4	
	1955	10	236	—	134	20	—	400	13,229	1	—	4	
	1956	8	265	—	72	95	—	440	17,141	1	—	4	

¹⁾ Different kinds of small whales. ²⁾ 2 Minke-whales and 1 bottlenose. ³⁾ Bottlenose. ⁴⁾ Minke-whales. ⁵⁾ 22 Minke-whales and 1 bottlenose. ⁶⁾ 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.

Table j (cont.).

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>West Greenland.</i>	1938	-	7	1	-	-	-	8	Barrels.	-	-	-	1
	1939	-	3	2	-	-	-	5	-	-	-	-	1
	1947	4	51	5	2	6	-	68	-	-	-	-	1
	1948	2	21	1	1	6	-	31	-	-	-	-	1
	1949	2	21	2	-	3	-	28	485	-	-	-	1
	1950	-	35	4	-	5	¹⁾ 2	46	544	1	-	-	1
	1951	-	15	5	-	6	-	26	²⁾ 350	1	-	-	1
	1952	-	16	-	-	5	-	21	²⁾ 295	1	-	-	1
	1953	1	15	1	-	4	-	21	277	1	-	-	1
	1954	-	22	-	-	9	-	31	477	1	-	-	1
	1955	1	22	-	3	9	-	35	769	1	-	-	1
	1956	1	28	-	1	14	-	44	942	1	-	-	1
	<i>Newfoundland and Labrador.⁶⁾</i>	1938	-	-	-	-	-	-	-	-	-	-	-
1939		7	118	4	2	13	-	144	5,950	1	-	-	2
1947		14	413	6	4	18	-	455	18,600	2	-	-	7
1948		57	669	15	4	14	³⁾ 49	808	30,478	3	-	-	9
1949		30	425	11	23	53	-	542	25,507	2	-	-	6
1950		15	409	16	16	29	-	485	20,508	2	-	-	7
1951		24	483	29	39	12	-	587	25,090	3	-	-	10
1952		-	1	1	-	-	⁴⁾ 17	19	2,325	1	-	-	2
1953		-	1	-	-	-	⁵⁾ 21	22	2,689	1	-	-	2
1954		-	-	-	-	-	-	-	-	-	-	-	-
1955		-	2	-	-	-	⁴⁾ 13	15	3,866	1	-	-	2
1956	-	7	-	2	13	-	22	867	1	-	-	1	

¹⁾ Bottlenoses. ²⁾ Calculated. ³⁾ Different kinds of small whales. ⁴⁾ Minke-whales. ⁵⁾ 20 Minke-whales and 1 bottlenose. ⁶⁾ From and incl. 1948 a great number of pilot whales (potheads) has been taken by one station. For the seasons, when the station caught "long whales", the production results of the pilot whales have been included (seasons 1948, 1951, 1952, 1953, and 1955).

Table k.—Azores.

Years	Species of whales caught.							Oil production.	Expeditions. ¹⁾		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1938	-	-	-	-	417	-	417	Barrels.	-	-	-
1939	-	-	-	-	400	-	400	7,284	-	-	-
1940	-	-	-	-	552	-	552	6,920	-	-	-
1941	-	-	-	-	425	-	425	10,047	-	-	-
1942	-	-	-	-	425	-	425	8,358	-	-	-
1943	-	-	-	-	525	-	525	12,562	-	-	-
1944	-	-	-	-	663	-	663	11,681	-	-	-
1945	-	-	-	-	591	-	591	7,103	-	-	-
1946	-	-	-	-	443	-	443	8,465	-	-	-
1947	-	-	-	-	592	-	592	11,917	-	-	-
1948	-	-	-	-	565	-	565	12,974	-	-	-
1949	-	-	-	-	698	-	698	15,488	-	-	-
1950	-	-	-	-	484	-	484	9,991	-	-	-
1951	-	-	-	-	390	-	390	9,949	-	-	-
1952	-	-	-	-	724	-	724	16,199	-	-	-
1953	-	-	-	-	618	-	618	16,167	-	-	-
1954	-	-	-	-	528	-	528	12,661	-	-	-
1955	-	-	-	-	683	-	683	16,761	-	-	-
1956	-	-	-	-	664	-	664	15,871	-	-	-
1956	-	-	-	-	536	-	536	14,244	-	-	-

¹⁾ Several small shore stations. Whaling is carried on with rowing boats, and the whales are towed to shore by gasoline launches.

Table l.—Madeira.

Years	Species of whales caught.							Oil production.	Expeditions. ¹⁾		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
1941	-	-	-	-	76	-	76	699	-	-	-
1942	-	-	-	-	23	-	23	508	-	-	-
1943	-	-	-	-	133	-	133	2,199	-	-	-
1944	-	-	-	-	75	-	75	²⁾ 1,500	-	-	-
1945	-	-	-	-	91	-	91	2,250	-	-	-
1946	-	-	-	-	166	-	166	2,565	-	-	-
1947	-	-	-	-	109	-	109	2,585	-	-	-
1948	-	-	-	-	162	-	162	4,096	-	-	-
1949	-	-	-	-	135	-	135	1,989	-	-	-
1950	-	-	-	-	14	-	14	387	-	-	-
1951	-	-	-	-	182	-	182	3,594	-	-	-
1952	-	6	-	-	160	-	166	4,108	-	-	-
1953	-	2	-	-	107	-	109	3,153	-	-	-
1954	-	2	-	-	122	-	124	2,522	-	-	-
1955	-	-	-	-	175	-	175	4,287	-	-	-
1956	-	1	-	-	168	-	169	4,599	-	-	-

¹⁾ Several small shore stations. Whaling is carried on with rowing boats, and the whales are towed to shore by gasoline launches. ²⁾ Calculated.

Table m.—Spain.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
1950	-	19	-	8	3	-	30	688	1	-	2
1951	-	27	-	34	35	-	96	1,763	1	-	2
1952	-	74	-	-	94	¹⁾ 49	217	4,966	2	-	6
1953	-	18	-	12	38	¹⁾ 29	97	2,423	2	-	5
1954	-	30	-	-	105	¹⁾ 82	217	3,392	2	-	5
1955	-	36	-	-	158	¹⁾ 98	292	5,250	2	-	6
1956	-	5	-	6	234	¹⁾ 28	273	4,481	3	-	5

¹⁾ Baleen whales. No specification.

Table n.—Portugal.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
1944	-	38	-	-	20	-	58	¹⁾ 1,470	1	-	-
1945	-	36	-	-	11	-	47	1,123	1	-	-
1946	-	42	-	-	31	-	73	1,534	1	-	-
1947	-	111	-	-	50	-	161	3,978	1	-	3
1948	-	106	-	-	35	-	141	3,697	1	-	3
1949	-	14	-	-	23	-	37	879	1	-	3
1950	-	34	-	-	10	-	44	764	1	-	3
1951	1	9	-	-	11	²⁾ 1	22	505	1	-	3

¹⁾ Calculated. ²⁾ Minke-whale.

Table o.—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>	1938	40	53	1,927	66	473		3,044	139,102	2	1	22	
	1939	27	502	200	42	676	²⁾ 1,240	2,687	106,793	2	1	21	
	1947	19	529	95	158	550	¹⁾ 55	1,406	47,677	3	-	18	
	1948	21	632	196	196	1,015	¹⁾ 248	2,308	64,308	4	-	24	
	1949	23	707	2,894	238	965	¹⁾ 139	4,966	185,003	5	2	41	
	1950	14	604	2,273	438	693	¹⁾ 100	4,122	154,134	5	2	43	
	1951	24	1,047	1,217	1,006	1,319		4,639	154,736	6	1	45	
	1952	19	766	391	1,043	726		-2,945	93,342	4	1	35	
	1953	9	576	98	400	618	¹⁾	7,1708	53,831	4	-	22	
	1954	15	527	27	78	441		-1,088	43,936	2	-	14	
	1955	6	477	49	176	641		-1,349	46,041	1	-	13	
	1956	5	613	36	104	595		-1,353	54,923	1	-	13	
<i>Natal.</i>	1938	39	536	175	64	425		-1,239	54,352	2	-	16	
	1939	27	502	200	42	615		-1,386	51,529	2	-	16	
	1947	18	485	90	119	502		-1,214	44,274	2	-	13	
	1948	16	426	182	109	846		-1,579	49,431	2	-	16	
	1949	17	464	190	101	694		-1,466	51,983	2	-	17	
	1950	9	323	151	101	391		-975	38,680	2	-	18	
	1951	20	789	103	247	910	³⁾	2,071	74,446	2	-	20	
	1952	8	451	111	155	356		-1,081	45,161	2	-	14	
	1953	5	441	89	96	353		-984	39,313	2	-	14	
	1954	10	515	27	71	400		-1,023	42,953	1	-	12	
	1955	6	477	49	176	602		-1,310	45,206	1	-	13	
	1956	5	613	36	101	474		-1,229	51,105	1	-	13	
<i>Cape Province.</i>	1947	1	44	5	39	48	¹⁾ 55	192	3,403	1	-	5	
	1948	4	134	14	83	105	¹⁾ 238	578	11,700	1	-	6	
	1949	5	188	15	119	209	¹⁾ 139	675	13,708	1	-	6	
	1950	4	242	7	324	161	¹⁾ 100	838	15,000	1	-	7	
	1951	4	218	9	237	211	¹⁾ 23	702	14,589	1	-	7	
	1952	11	303	15	711	331		-1,371	30,875	1	-	12	
	1953	4	126	9	295	252	¹⁾ 7	693	13,981	1	-	6	
<i>Madagascar.</i>	1938	1		2,752	2	48		-1,805	84,750	-	1	6	
	1939	-	-	-	-	61	²⁾ 1,240	1,301	55,264	-	1	5	
	-	-	-	-	-	-	-	-	-	-	-	-	
	1949	1	-	1,333	-	1		-1,335	60,583	-	1	8	
1950	1	10	711	3	⁴⁾ 64		-789	34,424	-	1	9		
<i>South Atlantic, pelagic.⁵⁾</i>	1955	-	-	-	-	39		39	835	-	-	-	
	1956	-	-	-	3	121		124	3,818	-	-	-	
<i>Congo.⁶⁾</i>	1949	-	-	1,356	-	-		-1,356	56,720	1	1	8	
	1950	-	-	1,404	-	-		-1,404	64,236	1	1	7	
	1951	-	4	1,105	470	146	³⁾ 1	1,726	62,935	2	1	14	
	1952	-	-	265	171	-		-436	16,485	-	1	7	
<i>Spanish Morocco.</i>	1948	1	72	-	4	64	¹⁾ 10	151	3,177	1	-	2	
	1949	-	55	-	18	61		-134	2,009	1	-	2	
	1950	-	29	-	10	77		-116	1,794	1	-	2	
	1951	-	36	-	52	52		-140	2,766	1	-	4	
	1952	-	12	-	6	39		-57	821	1	-	2	
	1953	-	9	-	9	13		-31	537	1	-	2	
1954	5	12	-	7	41		-65	983	1	-	2		

¹⁾ Bryde-whales. ²⁾ No specification. ³⁾ Right-whales. ⁴⁾ 52 sperm-whales caught in the Indian Ocean. ⁵⁾ Caught by floating factories on their voyage to and from the Antarctic whaling grounds. ⁶⁾ In 1951 St. Thomé included.

Table p.—Pacific North.
(Exclusive Japan, Korea, Bering Sea, Kamtchatka, and Kuril Islands.)

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>	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	2	96	21	—	130	—	249	10,307	2	—	4	
	1941	1	74	43	—	234	—	352	14,313	3	—	8	
	1946	—	—	12	29	72	—	113 ¹⁾	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	
	1949	2	115	91	119	182	—	509	10,202	2	1	9	
	1950	4	150	95	267	103 ²⁾	1	620	12,345	1	1	8	
	1951	9	225	55	285	239	4	817	19,073	2	1	11	
	1952	16	240	62	433	144	—	895	19,002	1	1	10	
	1953	8	181	47	14	275 ⁴⁾	14	539	18,255	1	—	5	
	1954	11	150	106	134	226 ²⁾	3	630	17,507	1	—	6	
	1955	11	120	37	139	320 ⁵⁾	3	630	18,164	1	—	6	
	1956	14	171	161	37	136 ⁵⁾	1	520	18,488	2	—	8	
<i>California.</i>	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	683	1	—	2	
	1947	—	17	13	3	5	—	38	1,365	1	—	2	
	1948	—	19	16	—	32	—	67	2,350	1	—	2	
	1949	—	10	11	—	28	—	49	1,493	1	—	2	
	1950	—	—	—	—	—	—	—	—	—	—	—	
	1951	—	9	4	—	26 ²⁾	1	40	1,358	1	—	2	
	1956	—	3	133	—	9	—	145	5,760	1	—	2	
<i>British Columbia.</i>	1937	1	44	7	—	265	—	317	14,719	2	—	6	
	1938	4	50	4	—	252	—	310	13,157	2	—	6	
	1940	2	90	2	—	126	—	220	8,700	1	—	3	
	1941	1	67	27	—	233	—	328	13,630	2	—	6	
	1948	—	37	115	2	28	—	182	5,679	1	—	4	
	1949	2	105	76	3	69	—	255	7,841	1	—	3	
	1950	4	150	95	24	40 ²⁾	1	314	9,598	1	—	4	
	1951	9	216	51	5	153 ³⁾	3	437	14,433	1	—	6	
	1952	16	240	61	22	126	—	465	16,220	1	—	5	
	1953	8	181	47	14	275 ⁴⁾	14	539	18,255	1	—	5	
1954	11	150	106	134	226 ²⁾	3	630	17,507	1	—	6		
1955	11	120	37	139	320 ⁵⁾	3	630	18,164	1	—	6		
1956	14	168	28	37	127 ⁵⁾	1	375	12,728	1	—	6		
<i>Alaska.</i>	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>Bonin Island, pelagic.</i>	1946	—	—	12	29	72	—	113 ¹⁾	118	—	1	2	
	1947	4	—	1	158	201	—	364 ¹⁾	772	—	3	4	
	1948	1	3	3	105	131	—	243 ¹⁾	786	—	2	5	
	1949	—	—	4	116	85	—	205 ¹⁾	868	—	1	4	
	1950	—	—	—	243	63	—	306	2,747	—	1	4	
	1951	—	—	—	280	60	—	340	3,282	—	1	3	
1952	—	—	1	411	18	—	430	2,782	—	1	5		

¹⁾ The whale is mainly used for human food. ²⁾ Bottlenose. ³⁾ 1 right-whale, 1 Calif. grey-whale, 1 bottlenose. ⁴⁾ 10 grey-whales and 4 bottlenoses. ⁵⁾ Baird's beaked whales.

Table q.—Japan and Korea.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
1938	4	293	60	553	785	¹⁾ 275	1,970	33,353	21	—	25
1939	10	241	86	677	1,266	—	2,280	12,784	²⁾ —	—	23
1940	15	252	33	429	1,306	—	2,035	25,143	²⁾ —	—	45
1941	26	360	40	623	1,298	³⁾ 2	2,349	28,084	²⁾ —	—	49
1942	12	418	30	255	427	⁴⁾ 6	1,148	10,832	²⁾ —	—	18
1943	15	315	69	352	727	³⁾ 13	1,491	16,723	²⁾ —	—	21
1944	2	376	64	734	990	³⁾ 3	2,169	25,182	²⁾ —	—	33
1945	10	169	11	74	266	³⁾ 1	531	6,082	²⁾ —	—	30
1946	8	232	8	545	957	—	1,750	⁵⁾ 5,719	23	—	25
1947	30	257	8	383	964	—	1,642	⁵⁾ 6,177	19	—	25
1948	49	176	8	533	823	³⁾ 1	1,590	⁵⁾ 15,018	20	—	25
1949	14	209	—	759	501	—	1,483	⁵⁾ 14,179	17	—	25
1950	7	141	5	299	1,249	—	1,701	26,112	16	—	25
1951	47	209	4	419	1,283	—	1,962	29,611	17	—	25
1952	27	231	3	666	1,071	—	1,998	28,635	18	—	25
1953	22	246	9	585	1,186	—	2,048	31,362	18	—	25
1954	16	197	8	646	1,487	—	2,354	33,163	18	—	25
1955	30	354	9	488	1,506	—	2,387	34,421	19	—	25
1956	14	347	14	782	2,125	³⁾ 2	3,284	46,233	20	—	25

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

Table r.—Bering Sea.

								Barrels.			
1940	34	292	108	3	177	¹⁾ 59	673	29,494	—	1	4
1941	40	367	6	7	156	²⁾ 3	579	23,822	—	1	7
—	—	—	—	—	—	—	—	—	—	—	—
1952	55	213	37	14	—	—	319	13,606	—	1	4
1953	91	470	42	98	—	—	701	29,123	—	1	4
1954	145	1,316	136	129	491	—	2,217	103,218	—	2	10
1955	70	1,360	117	21	1,084	—	2,652	111,917	—	2	13
1956	70	1,415	37	48	1,598	—	3,168	146,600	—	2	14

¹⁾ No specification. ²⁾ Right-whales.

Table s.—Kamtchatka.

								Barrels.			
1938	—	104	43	—	64	¹⁾ 54	265	9,102	—	1	3
1939	—	238	43	—	154	²⁾ 41	476	18,854	—	1	3
1940 ³⁾	—	—	—	—	—	—	—	—	—	—	—
1941	9	254	7	11	194	⁴⁾ 68	543	18,235	—	1	3
1942	2	203	12	—	215	⁵⁾ 122	554	14,500	—	1	3
1943	—	132	29	—	216	⁶⁾ 101	478	15,941	—	1	3
— ³⁾	—	—	—	—	—	—	—	—	—	—	—
1946	2	117	9	—	316	⁷⁾ 22	466	16,141	—	1	3
1947 ³⁾	—	—	—	—	—	—	—	—	—	—	—
1948	3	229	8	3	574	⁸⁾ 3	820	28,383	—	1	4
1949	3	64	—	21	774	⁹⁾ 6	868	33,045	—	1	4
1950	5	92	4	7	587	¹⁰⁾ 4	699	27,046	—	1	4
1951	7	90	1	16	765	¹¹⁾ 5	884	32,650	—	1	5
1952	7	234	17	13	731	¹²⁾ 4	1,006	34,811	—	1	5
1953	11	145	11	26	865	¹³⁾ 3	1,061	41,493	—	1	5
1954	12	238	21	22	816	¹⁴⁾ 3	1,112	36,264	—	1	5
1955	4	79	8	28	996	¹⁵⁾ 1	1,116	38,248	—	1	5
1956	7	65	31	16	998	¹⁵⁾ 2	1,119	40,571	—	1	6

¹⁾ Grey-whales. ²⁾ 29 grey-whales and 12 without specification. ³⁾ No returns. ⁴⁾ 2 Minke-whales, 57 grey-whales, 5 bottlenoses, and 4 dolphins. ⁵⁾ 3 Minke-whales, 101 grey-whales, 7 bottlenoses, and 11 dolphins. ⁶⁾ 99 grey-whales, 1 bottlenose, and 1 dolphin. ⁷⁾ No specification. ⁸⁾ 2 bottlenoses and 1 whale-killer. ⁹⁾ 2 Minke-whales and 4 whale-killers. ¹⁰⁾ 1 Minke-whale and 3 bottlenoses. ¹¹⁾ 2 Minke-whales and 3 bottlenoses. ¹²⁾ 2 Minke-whales and 2 bottlenoses. ¹³⁾ Bottlenoses. ¹⁴⁾ 1 Minke-whale and 2 bottlenoses. ¹⁵⁾ 1 Minke-whale and 1 bottlenose.

Table t.—Kuril Islands.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Float-ing factories.	Catch-ers.
								Barrels.			
1948	—	26	5	36	390	¹⁾ 3	460	11,219	5	—	10
1949	—	53	7	60	986	²⁾ 41	1,147	26,173	5	—	10
1950	2	106	18	49	1,471	³⁾ 12	1,658	35,003	5	—	12
1951	9	156	8	52	1,462	⁴⁾ 12	1,699	40,062	5	—	13
1952	17	241	9	188	1,641	⁵⁾ 9	2,105	51,458	5	—	12
1953	10	179	6	86	1,521	⁶⁾ 16	1,818	42,586	5	—	13
1954	23	266	8	126	1,192	⁷⁾ 18	1,633	49,394	5	—	13
1955	27	219	23	128	1,494	⁸⁾ 24	1,915	43,979	5	—	13
1956	45	241	10	171	1,693	⁹⁾ 19	2,179	54,249	4	—	15

¹⁾ 1 Minke-whale and 2 whale-killers. ²⁾ 6 Minke-whales, 11 bottlenoses, and 24 whale-killers. ³⁾ 3 Minke-whales and 9 bottlenoses. ⁴⁾ 7 Minke-whales and 5 bottlenoses. ⁵⁾ 3 Minke-whales and 6 bottlenoses ⁶⁾ 8 Minke-whales and 8 bottlenoses. ⁷⁾ 8 Minke-whales and 10 bottlenoses. ⁸⁾ 9 Minke-whales, 5 bottlenoses, and 10 Southern Right-whales. ⁹⁾ 10 Minke-whales and 9 bottlenoses.

Table u.—Brazil.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Float-ing factories.	Catch-ers.
								Barrels.			
1947	—	—	11	14	—	—	25	835	1	—	1
1948	1	—	21	10	—	¹⁾ 4	36	1,060	2	—	1
1949	—	—	15	18	—	²⁾ 5	38	1,250	2	—	2
1959	—	—	24	98	—	¹⁾ 6	128	2,132	2	—	2
1951	—	—	28	151	—	—	179	2,925	1	—	2
1952	—	—	10	157	1	—	168	2,171	2	—	2
1953	—	—	8	161	1	³⁾ 5	175	2,837	2	—	2
1954	—	—	18	183	1	—	202	3,636	1	—	2
1955	—	—	9	200	1	⁴⁾ 3	213	3,530	2	—	2
1956	—	1	14	196	3	¹⁾ 3	217	3,596	2	—	3

¹⁾ No specification. ²⁾ 1 Minke-whale, 4 not specified. ³⁾ Right-whales. ⁴⁾ 1 right-whale, 2 Minke-whales

Table v.—Chile.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Float-ing factories.	Catch-ers.
								Barrels.			
1938	15	56	6	44	203	¹⁾ 14	338	9,345	²⁾ 1	²⁾ —	²⁾ 1
1939	2	99	7	15	341	¹⁾ 5	469	7,512	2	1	5
1943	—	—	—	—	60	¹⁾ 1	61	2,111	1	—	1
1944	2	61	—	—	367	—	430	15,830	2	—	4
1945	42	80	—	—	373	—	495	21,066	2	—	4
1946	11	228	15	1	343	—	598	17,861	2	—	5
1947	24	88	17	2	720	—	851	25,036	2	—	6
1948	85	289	5	6	731	—	1,116	28,522	2	—	7
1949	35	219	6	—	731	—	991	23,382	2	—	7
1950	45	274	5	—	769	—	1,093	30,231	2	—	7
1951	77	279	3	2	733	—	1,094	30,993	2	—	10
1952	143	424	7	10	790	—	1,374	35,406	2	—	10
1953	172	283	21	24	698	—	1,198	30,169	2	—	8
1954	70	434	—	26	798	—	1,328	27,885	2	—	12
1955	150	359	5	32	746	¹⁾ 6	1,298	36,108	2	—	13
1956	209	202	3	48	1,171	—	1,633	41,751	2	—	12

¹⁾ Right-whales. ²⁾ No information as to the matériel in operation re. one company.

Table w.—Peru.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sci.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1938	-	-	-	-	602	-	602	12,869	-	1	8
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
1947	-	1	2	-	2,887	-	2,890	105,986	-	2	15
1948	1	2	-	1	2,497	-	2,501	88,205	-	1	7
1951	4	21	23	1	6,365	-	6,414	197,524	1	4	51
1952	7	14	20	17	37	-	95	1,911	1	-	1
1953	10	28	6	36	1,260	-	1,340	22,108	3	-	6
1954	8	30	1	2	4,134	-	4,175	104,168	3	1	19
1955	8	7	2	1	1,869	-	1,887	31,335	2	-	6
1956	-	1	7	-	2,019	-	2,027	32,604	2	-	6

Table x.—Australia.

Years.	Species of whales caught.							Oil production.	Expeditions		
	Blue.	Fin.	Hump-back.	Sci.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1938	-	-	917	-	-	-	917	42,550	-	1	6
1947	-	-	2	-	-	-	2	40	1	-	1
1948	-	-	4	-	-	-	4	65	1	-	1
1949	-	-	193	-	-	-	193	5,738	2	-	2
1950	-	-	388	-	-	-	388	16,494	2	-	4
1951	-	-	1,224	-	-	-	1,224	56,090	2	-	6
1952	-	-	1,787	-	-	-	1,787	91,830	4	-	10
1953	-	1	2,000	-	-	-	2,001	102,191	4	-	9
1954	1	-	2,038	-	-	-	2,039	100,515	5	-	9
1955	-	-	1,846	-	7	¹⁾ 1	1,854	96,377	5	-	9
1956	-	1	1,989	-	61	-	2,051	104,607	5	-	11

¹⁾ Minke-whale.

Table y.—New Zealand.

Years.	Species of whales caught.							Oil production.	Expeditions		
	Blue.	Fin.	Hump-back.	Sci.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
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
1949	-	-	141	-	-	-	141	5,833	1	-	3
1950	-	-	79	-	-	-	79	2,844	1	-	3
1951	-	-	111	-	-	-	111	4,482	1	-	3
1952	-	-	121	1	-	-	122	4,800	1	-	3
1953	-	-	109	-	-	-	109	4,560	1	-	3
1954	-	-	180	-	-	-	180	8,820	1	-	3
1955	-	-	112	-	-	-	112	5,020	1	-	3
1956	-	-	143	14	2	-	159	6,325	2	-	4

Table z.—Production of by-products in the Antarctic and on other whaling grounds 1950/51—1955/56.

By-products Years Grounds	Whale meat-meal, bone-meal, guano, dehydrated whale meat	Whale liver or liver flakes	Liver- oil, vitamin oil	Liver- meal	Meat extract, liver extract	Whale meat, blubber, ventral grooves	Whale solubles	Other by- products
	Long tons	L. tons	L. tons	L. tons	L. tons	L. tons	L. tons	L. tons
1950-51..... Total	45,461	843	264	622	44	45,052	7,865	8,274
1951-52..... "	43,552	999	195	435	53	54,609	9,050	4,967
1952-53..... "	44,586	1,380	186	526	168	54,703	10,410	2,924
1953-54..... "	52,028	1,067	¹⁾ 247	465	286	70,592	13,262	4,991
<i>1954-55.</i>								
Antarctic	35,519	669	218	115	459	42,681	8,508	3,497
Africa:—Natal.....	2,658	—	—	—	—	—	—	—
Brazil	10	—	—	—	—	—	—	—
North Atl. and Arctic								
Azores.....	379	—	—	—	—	—	—	—
Madeira.....	175	—	—	—	—	—	—	—
Spain.....	327	—	—	—	—	346	—	—
Norway.....	527	55	—	—	—	1,923	—	—
Faroe Islands ...	250	—	—	—	—	245	—	8
Iceland.....	1,262	21	—	—	—	1,973	—	—
West Greenland .	—	—	—	—	—	259	—	2
Newfoundland...	—	—	—	—	—	785	—	—
Pacific North:—								
British Columbia	1,965	— ²⁾	—	—	—	1,129	1,081	—
Bering Sea.....	—	29	50	—	—	12,163	—	448
Kamtschatka.....	—	154	—	—	—	204	—	14
Kuril Islands.....	—	258	—	—	—	935	—	586
Japan.....	4,032	—	—	—	—	14,986	—	1,740
Chile.....	2,218	—	300	140	—	—	—	—
Peru.....	1,220	—	—	—	—	—	—	—
Australia.....	4,705	—	—	—	—	—	1,360	7
New Zealand.....	80	—	—	—	—	300	—	—
Total	55,327	1,186	568	255	459	77,929	10,949	6,302
<i>1955-56.</i>								
Antarctic	43,189	755	252	162	265	45,835	7,546	2,550
Africa:—								
Natal.....	3,690	—	—	—	—	—	—	—
South Atl., pelagic	—	—	1	—	—	—	—	—
Brazil:—Paraiba ...	450	—	—	—	—	—	—	—
North Atl. and Arctic								
Azores.....	379	—	—	—	—	—	—	—
Madeira.....	177	—	—	—	—	—	—	—
Spain.....	451	—	—	—	—	203	—	—
Norway.....	354	40	—	—	—	1,400	—	—
Faroe Islands ...	271	—	—	—	—	338	—	4
Iceland.....	1,005	57	—	—	—	2,990	—	—
West Greenland .	—	—	—	—	—	282	—	1
Labrador.....	49	—	—	—	—	—	—	—
Pacific North:—								
British Columbia .	1,447	— ³⁾	—	—	—	1,182	2,933	—
California.....	686	—	—	—	—	604	—	—
Bering Sea.....	—	—	102	—	—	15,213	—	1,616
Kamtschatka.....	—	151	—	—	—	430	—	14
Kuril Islands.....	—	277	—	—	—	1,865	—	931
Japan.....	5,929	—	—	—	—	17,052	—	1,776
Chile.....	2,818	—	—	—	—	100	—	—
Peru.....	1,507	—	—	—	—	—	—	—
Australia.....	6,990	—	—	—	—	202	904	—
New Zealand.....	50	—	—	—	—	240	—	—
Total	69,442	1,280	355	162	265	87,936	11,383	6,892

¹⁾ In addition 657,455 M.U. Vitamin A (liver oil) were produced. ²⁾ In addition 891,708 M.U. Vitamin A (liver oil) were produced. ³⁾ In addition 450,052 M.U. (Vitamin oil) were produced.

TABLES

Antarctic season 1955/56
and summer season 1956

Table No. 1.—Whaling in 1955/56 and summer 1956.

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	3	2,669	—	284	93	—	3,049	172,363	3	—	21
Antarctic, pelagic whaling	1,611	25,289	1,432	276	6,881	²⁾ 42	35,531	2,134,808	—	19	257
Africa:—											
Natal	5	613	36	101	474	—	1,229	51,105	1	—	13
South Atlantic, pelagic whaling	—	—	—	3	121	—	124	3,818	—	³⁾ —	³⁾ —
Brazil:—											
Paraiba	—	1	14	196	3	—	214	3,473	1	—	2
Santa Catarina	—	—	—	—	—	⁴⁾ 3	3	123	1	—	1
North Atlantic and Arctic:—											
Azores	—	—	—	—	536	—	536	14,244	—	—	—
Madeira	—	1	—	—	168	—	169	4,599	—	—	—
Spain	—	5	—	6	234	⁵⁾ 28	273	4,481	3	—	5
Norway	—	132	—	16	58	—	206	6,764	3	—	8
Faroe Islands	—	43	3	3	97	—	146	5,460	1	—	5
Iceland	8	265	—	72	95	—	440	17,141	1	—	4
West Greenland	1	28	—	1	14	—	44	942	1	—	1
Newfoundland (Labrador)	—	7	—	—	13	—	22	867	1	—	1
Pacific North:—											
California	—	3	133	—	9	—	145	5,760	1	—	2
British Columbia	14	168	28	37	127	⁶⁾ 1	375	12,728	1	—	6
Bering Sea, pelagic whaling	70	1,415	37	48	1,598	—	3,168	146,600	—	2	14
Kamtschatka, pelagic whaling	7	65	31	16	998	⁷⁾ 2	1,119	40,571	—	1	6
Kuril Islands	45	241	10	171	1,693	⁸⁾ 19	2,179	54,249	4	—	15
Japan	14	347	14	782	2,125	⁹⁾ 2	3,284	46,233	20	—	25
Peru	—	1	7	—	2,019	—	2,027	32,604	2	—	6
Chile	209	202	3	48	1,171	—	1,633	41,751	2	—	12
Australia	—	1	1,989	—	61	—	2,051	104,607	5	—	11
New Zealand	—	—	143	14	2	—	159	6,325	2	—	4
Total	1,987	31,496	3,880	2,076	18,590	97	58,126	2,911,616	53	22	419

¹⁾ Barrel = 170 kg. (Barrel = abt. $\frac{1}{6}$ long ton, 1 long ton = 1,016 kg.) ²⁾ Minke-whales. ³⁾ Floating factory on voyage from the Antarctic whaling grounds. ⁴⁾ Not specified. ⁵⁾ Baleen whales, not specified. ⁶⁾ Baird's beaked whale. ⁷⁾ 1 Minke-whale and 1 bottlenose. ⁸⁾ 10 Minke-whales and 9 bottlenoses. ⁹⁾ Right-whales.

Table No. 2.—Norwegian whaling in 1955/56 and summer 1956.

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	1	1,012	—	87	39	—	1,139	63,928	1	—	7
Antarctic, pelagic whaling	567	9,394	588	97	2,725	—	13,371	788,554	—	9	110
Norway	—	132	—	16	58	—	206	6,764	3	—	8
Total	568	10,538	588	200	2,822	—	14,716	859,246	4	9	125

Table No. 3.—Whaling of United Kingdom in 1955/56 and summer 1956.

Geographical areas.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels			
South Georgia	—	989	—	84	25	—	1,098	65,059	1	—	7
Antarctic, pelagic . .	122	4,885	17	15	1,306	¹⁾ 1	6,346	409,701	—	3	44
Total	122	5,874	17	99	1,331	1	7,444	474,760	1	3	51

¹⁾ Minke-whale.**Table No. 4.—Whaling of Japan in 1955/56 and summer 1956.**

Geographical areas.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels			
Antarctic, pelagic whaling	383	4,524	240	7	1,308	—	6,462	408,853	—	3	40
Bering Sea, pelagic whaling	70	1,415	37	48	1,598	—	3,168	146,600	—	2	14
Japan	14	347	14	782	2,125	¹⁾ 2	3,284	46,233	20	—	25
Total	467	6,286	291	837	5,031	2	12,914	601,686	20	5	79

¹⁾ Right-whales.**Table No. 5.—Whaling of U.S.S.R. in 1955/56 and summer 1956.**

Geographical areas.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
Antarctic, pelagic whaling	164	2,152	50	138	228	¹⁾ 41	2,773	153,736	—	1	15
Kamtchatka, pelagic whaling . .	7	65	31	16	998	²⁾ 2	1,119	40,571	—	1	6
Kuril Islands	45	241	10	171	1,693	³⁾ 19	2,179	54,249	4	—	15
Total	216	2,458	91	325	2,919	62	6,071	248,556	4	2	36

¹⁾ Minke-whales- ²⁾ 1 Minke-whale and 1 bottlenose. ³⁾ 10 Minke-whales and 9 bottlenoses.

Table No. 6.—Whaling results for the various countries in 1955/56 and summer 1956.

Countries.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sci.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels			
Norway.....	568	10,538	588	200	2,822	—	14,716	859,246	4	9	125
British Commonwealth.....	212	8,022	2,362	257	2,609	2	13,464	759,931	11	4	101
Of which:											
United Kingdom ...	122	5,874	17	99	1,331	¹⁾ 1	7,444	474,760	1	3	51
Union of South Africa	76	1,972	185	105	1,075	—	3,413	160,644	1	1	28
Australia	—	1	1,989	—	61	—	2,051	104,607	5	—	11
Canada	14	175	28	39	140	²⁾ 1	397	13,595	2	—	7
New Zealand	—	—	143	14	2	—	159	6,325	2	—	4
Japan	467	6,286	291	837	5,031	³⁾ 2	12,914	601,686	20	5	79
U.S.S.R.	216	2,458	91	325	2,919	⁴⁾ 62	6,071	248,556	4	2	36
Panama	107	2,115	199	3	430	—	2,854	164,778	—	1	15
Netherlands	197	860	189	15	404	—	1,665	103,465	—	1	18
Argentina	2	668	—	113	29	—	812	43,376	1	—	7
Chile	209	202	3	48	1,171	—	1,633	41,751	2	—	12
Peru	—	1	7	—	2,019	—	2,027	32,604	2	—	6
Portugal	—	1	—	—	704	—	705	18,843	—	—	—
Iceland	8	265	—	72	95	—	440	17,141	1	—	4
Denmark	1	71	3	4	111	—	190	6,402	2	—	6
United States	—	3	133	—	9	—	145	5,760	1	—	2
Spain	—	5	—	6	234	⁵⁾ 28	273	4,481	3	—	5
Brazil	—	1	14	196	3	⁶⁾ 3	217	3,596	2	—	3
Total	1,987	31,496	3,880	2,076	18,590	97	58,126	2,911,616	53	22	419

¹⁾ Minke-whale. ²⁾ Baird's beaked whale. ³⁾ Right-whales. ⁴⁾ 52 Minke-whales, and 10 bottlenoses, ⁵⁾ Baleen whales not specified. ⁶⁾ Not specified.

Table No. 7.—Average size of whales caught in the summer season 1956.

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
A. Blue-whales.		Engl. feet.	Engl. feet.	Engl. feet.
<i>Africa:—</i>				
Natal	—	70.67	77.00	72.40
Males 3 } Total 5.				
Females 2 }				
<i>North Atlantic and Arctic:—</i>				
Iceland	—	67.75	70.50	69.13
Males 4 } Total 8.				
Females 4 }				
West Greenland	—	73.00	—	73.00
Male 1.				

Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
North Atlantic and Arctic, total	—	Engl. feet. 68.80	Engl. feet. 70.50	Engl. feet. 69.56
Males 5 } Females 4 } Total 9.				
<i>Pacific North:—</i>				
British Columbia	—	69.00	76.18	74.64
Males 3 } Females 11 } Total 14.				
Bering Sea, pelagic	—	76.66	79.03	77.64
Males 41 } Females 29 } Total 70.				
Kamtschatka, pelagic	—	75.17	71.00	74.57
Males 6 } Females 1 } Total 7.				
Kuril Islands	—	75.15	76.42	75.69
Males 26 } Females 19 } Total 45.				
Japan	No. 1	66.50	70.00	69.12
Males 4 } Females 10 } Total 14.	" 2 " 3 " 4	69.00 — 73.00	79.33 65.00 —	76.75 65.00 73.00
Average		68.75	72.30	71.29
Pacific North, total	—	75.38	76.80	76.04
Males 80 } Females 70 } Total 150.				
<i>Chile</i>	—	71.67	74.24	72.90
Males 104 } Females 95 } Total 199. 1)				
<u>B. Fin-whales.</u>				
<i>Africa:—</i>				
Natal	—	61.11	61.34	61.21
Males 341 } Females 272 } Total 613.				
<i>Brazil</i>	—	72.00	—	72.00
Male 1.				
<i>North Atlantic and Arctic:—</i>				
Norway	No. 1	55.65	59.25	57.38
Males 64 } Females 68 } Total 132.	" 2 " 3	59.64 62.80	62.33 56.93	60.92 58.47
Average		58.27	60.13	59.23
Faroe Islands	—	57.77	61.90	59.79
Males 22 } Females 21 } Total 43.				

1) Not including 10 blue-whales with sex and size not stated.

Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
Iceland	—	Engl. feet. 58.79	Engl. feet. 59.06	Engl. feet. 58.94
Males 116 } Females 149 } Total 265.				
West Greenland	—	61.00	65.36	62.71
Males 17 } Females 11 } Total 28.				
Newfoundland (Labrador)	—	60.00	60.50	60.29
Males 3 } Females 4 } Total 7.				
North Atlantic and Arctic, total	—	58.73	59.88	59.34
Males 222 } Females 253 } Total 475.				
<i>Pacific North:—</i>				
California	—	58.33	—	58.33
Males 3.				
British Columbia	—	56.67	58.07	57.42
Males 78 } Females 90 } Total 168.				
Bering Sea, pelagic	—	59.99	62.58	61.20
Males 755 } Females 657 } Total 1,412.				
Kamtchatka, pelagic	—	59.89	62.95	61.68
Males 27 } Females 38 } Total 65.				
Kuril Islands	—	62.78	62.79	62.78
Males 135 } Females 102 } Total 237.				
Japan	No. 1	55.50	57.57	56.43
Males 182 } Females 165 } Total 347.	" 2 " 3 " 4 " 5	56.42 53.00 50.50 51.00	58.77 57.83 54.00 51.00	57.55 56.22 52.25 51.00
Average		55.87	58.18	56.97
Pacific North, total	—	59.45	61.54	60.43
Males 1,180 } Females 1,052 } Total 2,232				
Peru	—	—	51.00	51.00
Female 1.				
Chile	—	54.09	54.80	54.46
Males 86 } Females 94 } Total 180. ¹⁾				

¹⁾ Not including 22 fin-whales with sex and size not stated.

Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
<i>Australia</i>	—	Engl. feet.	Engl. feet.	Engl. feet.
Male 1.		67.00	—	67.00
<u>C. Humpbacks.</u>				
<i>Africa:—</i>				
Natal.....	—	37.67	38.39	38.03
Males 18 } Total 36.				
Females 18 }				
<i>Brazil</i>	—	40.75	42.50	41.50
Males 8 } Total 14.				
Females 6 }				
<i>North Atlantic and Arctic:—</i>				
Faroe Islands.....	—	46.33	—	46.33
Males 3.				
<i>Pacific North:—</i>				
California.....	—	39.19	42.95	40.89
Males 73 } Total 133.				
Females 60 }				
British Columbia.....	—	39.25	40.75	40.11
Males 12 } Total 28.				
Females 16 }				
Bering Sea, pelagic.....	—	40.19	40.33	40.27
Males 16 } Total 37.				
Females 21 }				
Kamtschatka, pelagic.....	—	37.84	41.42	39.23
Males 19 } Total 31.				
Females 12 }				
Kuril Islands.....	—	39.60	38.60	39.10
Males 5 } Total 10.				
Females 5 }				
Japan.....	No. 1	42.75	47.00	43.60
Males 9 } Total 14.	" 2	40.50	42.33	41.29
Females 5 }	" 3	—	36.00	36.00
	" 4	39.00	—	39.00
Average		41.33	42.00	41.57
Pacific North, total.....	—	39.28	41.82	40.77
Males 134 } Total 253.				
Females 119 }				
<i>Peru</i>	—	37.00	39.33	38.00
Males 4 } Total 7.				
Females 3 }				
<i>Chile</i> ¹⁾	—	—	—	—

¹⁾ Not including 1 humpback with sex and length not stated.

Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
<i>Australia</i>	No. 1	40.77	42.45	41.36
Males 1,251 } Total 1,989.	" 2	40.69	41.80	41.04
Females 738 }	" 3	40.68	42.42	41.34
	" 4	38.61	41.81	40.28
	" 5	41.35	42.16	41.66
Average		40.64	42.19	41.21
<i>New Zealand</i>	No. 1	40.42	40.89	40.62
Males 80 } Total 143.	" 2	38.63	42.00	40.31
Females 63 }				
Average		40.24	41.03	40.59
<u>D. Sei-whales.</u>				
<i>Africa:—</i>				
<i>Natal</i>	—	41.56	42.20	41.91
Males 45 } Total 101.				
Females 56 }				
<i>South Atlantic, pelagic</i>	—	—	45.00	45.00
Females 3.				
<i>Africa, total</i>	—	41.56	42.34	42.00
Males 45 } Total 104.				
Females 59 }				
<i>Brazil</i>	—	48.32	52.07	49.94
Males 111 } Total 196.				
Females 85 }				
<i>North Atlantic and Arctic:—</i>				
<i>Norway</i>	—	44.50	48.00	44.94
Males 14 } Total 16.				
Females 2 }				
<i>Faroe Islands</i>	—	42.00	49.00	44.33
Males 2 } Total 3.				
Females 1 }				
<i>Iceland</i>	—	43.21	44.74	44.13
Males 29 } Total 72.				
Females 43 }				
<i>West Greenland</i>	—	—	45.00	45.00
Female 1.				
<i>Newfoundland (La brador)</i>	—	—	48.50	48.50
Females 2.				
<i>North Atlantic and Arctic, total</i>	—	43.56	45.12	44.37
Males 45 } Total 94.				
Females 49 }				
<i>Pacific North:—</i>				
<i>British Columbia</i>	—	42.58	44.92	44.16
Males 12 } Total 37.				
Females 25 }				

Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
Bering Sea, pelagic	—	45.64	47.42	46.36
Males 28 } Total 47.				
Females 19 }				
Kamtschatka, pelagic	—	45.67	52.10	49.69
Males 6 } Total 16.				
Females 10 }				
Kuril Islands	—	46.44	46.69	46.55
Males 99 } Total 171.				
Females 72 }				
Japan	No. 1	41.10	41.22	41.15
Males 424 } Total 782.	" 2	40.82	43.21	41.96
Females 358 }	" 3	41.18	41.78	41.46
	" 4	41.12	42.22	41.69
	" 5	41.46	42.77	42.06
Average		41.10	42.07	41.54
Pacific North, total	—	42.33	43.32	42.79
Males 569 } Total 1,053.				
Females 484 }				
Chile	—	43.60	42.07	42.71
Males 10 } Total 24. ¹⁾				
Females 14 }				
New Zealand	—	43.25	44.30	44.00
Males 4 } Total 14.				
Females 10 }				
<u>E. Sperm-whales.</u>				
<i>Africa:—</i>				
Natal	—	42.95	35.22	40.72
Males 337 } Total 474.				
Females 137 }				
South Atlantic, pelagic	—	45.38	38.20	40.99
Males 47 } Total 121.				
Females 74 }				
Africa, total	—	43.25	36.27	40.77
Males 384 } Total 595.				
Females 211 }				
Brazil	—	39.00	42.00	41.00
Males 2 } Total 3.				
Female 1 }				
Azores	—	41.16	33.36	38.99
Males 386 } Total 535. ²⁾				
Females 148 }				
Madeira	—	42.34	32.29	39.57
Males 123 } Total 168.				
Females 45 }				
<i>North Atlantic and Arctic:—</i>				
Norway	No. 1	50.13	—	50.13
Males 58.	" 2	47.55	—	47.55
	" 3	50.50	—	50.50
Average		48.47	—	48.47

¹⁾ Not including 24 sei-whales with sex and length not stated. ²⁾ Including 1 sperm-whale of 36 ft. with sex not stated. In addition 1 sperm-whale with length and sex not stated.

Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
Faroe Islands	—	47.12	—	47.12
Males 97.				
Iceland	—	50.85	—	50.85
Males 95e.				
West Greenland	—	55.21	—	55.21
Males 14.				
Newfoundland (Labrador)	—	51.62	—	51.62
Males 13.				
North Atlantic and Arctic, total	—	49.30	—	49.30
Males 277.				
<i>Pacific North:—</i>				
California	—	43.22	—	43.22
Males 9.				
British Columbia	—	42.91	34.35	41.56
Males 107 } Total 127.				
Females 20 }				
Bering Sea, pelagic	No. 1	45.96	—	45.96
Males 1,593.	„ 2	44.89	—	44.89
Average		45.55	—	45.55
Kamtchatka, pelagic	—	43.76	38.86	43.65
Males 973 } Total 995.				
Females 22 }				
Kuril Islands.....	—	40.44	36.02	39.71
Males 1,409 } Total 1,689.				
Females 280 }				
Japan.....	No. 1	37.42	35.47	36.68
Males 1,224 } Total 2,125.	„ 2	37.99	35.52	37.08
Females 901 }	„ 3	37.21	35.70	36.48
	„ 4	37.30	35.53	36.40
	„ 5	37.74	35.61	36.54
Average		37.55	35.55	36.70
Pacific North, total.....	—	41.97	35.70	40.80
Males 5,315 } Total 6,538.				
Females 1,223 }				
Peru.....	—	41.15	36.11	39.80
Males 52 } Total 71. ¹⁾				
Females 19 }				
Chile	—	41.03	35.29	37.96
Males 322 } Total 692. ²⁾				
Females 370 }				
Australia.....	—	44.85	—	44.85
Males 61.				

¹⁾ Not including 1,948 sperm-whales with sex and size not stated ²⁾ Not including 479 sperm-whales with sex and size not stated.

Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
<i>New Zealand</i>	—	Engl. feet. 48.50	Engl. feet. —	Engl. feet. 48.50
Males 2.				
F. Right-whales.				
<i>Japan</i>	No. 1	41.00	—	41.00
Males 1 } Total 2.	„ 2	—	38.00	38.00
Females 1 }				
Average		41.00	38.00	39.50

Table No. 8.—Whales caught in the summer season 1956,
by species, sex, and size.

I. Natal.

Blue-whales.

Engl. feet.	Number of		Total animals.	Average size
	males.	females.		
65	1	—	1	Males: 70.67 feet Females: 77.00 „ Total animals: 72.40 „
72	1	—	1	
75	1	—	1	Per cent { Males: 60.00 Females: 40.00
76	—	1	1	
78	—	1	1	
Sum	3	2	5	

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
48	1	—	1	71	4	4	8
49	1	3	4	72	3	8	11
55	52	37	89	73	2	2	4
56	31	27	58	74	1	3	4
57	16	13	29	75	—	3	3
58	18	16	34	76	—	2	2
59	19	11	30	77	—	1	1
60	39	26	65	78	1	—	1
61	12	28	40	Sum	341	272	613
62	20	14	34	Average size { Males: 61.11 feet Females: 61.34 „ Total animals: 61.21 „			
63	26	15	41				
64	18	10	28				
65	11	13	24				
66	25	11	36				
67	10	9	19				
68	14	10	24				
69	8	4	12				
70	9	2	11				

Table No. 8 (continued).

Humpbacks.

Engl. feet.	Number of		Total animals.	
	males.	females.		
35	3	4	7	Average size { Males: 37.67 feet Females: 38.39 " Total animals: 38.03 " Per cent { Males: 50.00 Females: 50.00
36	4	1	5	
37	4	1	5	
38	1	3	4	
39	1	2	3	
40	2	3	5	
41	2	3	5	
42	1	-	1	
43	-	1	1	
Sum	18	18	36	

Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	3	2	5	48	1	2	3
36	2	-	2	49	1	1	2
37	3	6	9	53	-	1	1
38	5	-	5	54	-	2	2
39	2	6	8	Sum	45	56	101
40	2	11	13	Average size { Males: 41.56 feet Females: 42.20 " Total animals: 41.91 " Per cent { Males: 44.55 Females: 55.45			
41	7	2	9				
42	2	7	9				
43	4	6	10				
44	1	2	3				
45	5	2	7				
46	4	3	7				
47	3	3	6				

Sperm-whales.

27	1	-	1	47	19	-	19
28	1	3	4	48	19	-	19
29	-	3	3	49	18	-	18
30	-	2	2	50	17	-	17
35	34	70	104	51	8	-	8
36	26	46	72	52	10	-	10
37	17	8	25	53	3	-	3
38	12	4	16	54	4	-	4
39	11	-	11	57	1	-	1
40	15	1	16	Sum	337	137	474
41	17	-	17	Average size { Males: 42.95 feet Females: 35.22 " Total animals: 40.72 " Per cent { Males: 71.10 Females: 28.90			
42	11	-	11				
43	25	-	25				
44	27	-	27				
45	25	-	25				
46	16	-	16				

Table No. 8 (continued).

2. South Atlantic, pelagic.**Sei-whales.**

Engl. feet.	Number of		Total animals.
	males.	females.	
44	—	1	1
45	—	1	1
46	—	1	1
Sum	—	3	3

Average size: Females: 45.00 feet.

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
34	2	—	2	47	4	—	4
35	1	1	2	48	4	—	4
36	—	4	4	49	6	—	6
37	—	3	3	50	6	—	6
38	—	40	40	Sum	47	74	121
39	1	23	24	Average size { Males: 45.38 feet Females: 38.20 " Total animals: 40.99 " Per cent { Males: 38.84 Females: 61.16			
40	—	3	3				
42	2	—	2				
43	5	—	5				
44	5	—	5				
45	8	—	8				
46	3	—	3				

3. Summary Africa.

(Natal and South Atlantic, pelagic.)

Sei-whales.

35	3	2	5	48	1	2	3
36	2	—	2	49	1	1	2
37	3	6	9	53	—	1	1
38	5	—	5	54	—	2	2
39	2	6	8	Sum	45	59	104
40	2	11	13	Average size { Males: 41.56 feet Females: 42.34 " Total animals: 42.00 " Per cent { Males: 43.27 Females: 56.73			
41	7	2	9				
42	2	7	9				
43	4	6	10				
44	1	3	4				
45	5	3	8				
46	4	4	8				
47	3	3	6				

Table No. 8 (continued).

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
27	1	—	1	47	23	—	23
28	1	3	4	48	23	—	23
29	—	3	3	49	24	—	24
30	—	2	2	50	23	—	23
34	2	—	2	51	8	—	8
35	35	71	106	52	10	—	10
36	26	50	76	53	3	—	3
37	17	11	28	54	4	—	4
38	12	44	56	57	1	—	1
39	12	23	35	Sum	384	211	595
40	15	4	19	Average size	{ Males: 43.25 feet Females: 36.27 " Total animals: 40.77 "		
41	17	—	17	Per cent	{ Males: 64.54 Females: 35.46		
42	13	—	13				
43	30	—	30				
44	32	—	32				
45	33	—	33				
46	19	—	19				

4. Brazil (Paraiba).

Fin-whale.

1 male, 72 feet.

Humpbacks.

38	1	—	1	Average size	{ Males: 40.75 feet Females: 42.50 " Total animals: 41.50 "	
39	2	1	3			
40	3	2	5			
41	—	1	1			
44	1	—	1	Per cent	{ Males: 57.14 Females: 42.86	
45	—	1	1			
46	1	—	1			
50	—	1	1			
Sum	8	6	14			

Sei-whales.

42	4	1	5	54	—	4	4
44	2	—	2	55	—	9	9
45	2	—	2	58	—	2	2
46	10	2	12	Sum	111	85	196
47	7	1	8	Average size	{ Males: 48.32 feet Females: 52.07 " Total animals: 49.94 "		
48	19	—	19	Per cent	{ Males: 56.63 Females: 43.37		
49	43	7	50				
50	16	4	20				
51	7	7	14				
52	1	26	27				
53	—	22	22				

Table No. 8 (continued).

Sperm-whales.

Engl. feet.	Number of		Total animals.	Average size	{ Males: 39.00 feet Females: 42.00 " Total animals: 41.00 "
	males.	females.			
39	—	1	1	Per cent	{ Males: 66.67 Females: 33.33
40	1	—	1		
44	1	—	1		
Sum	2	1	3		

5. Azores.

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
20	1	2	3	45	2	—	2
23	2	3	5	46	40	—	40
26	6	4	10	47	1	—	1
27	—	1	1	48	11	—	11
28	1	1	2	49	46	—	46
29	1	1	2	51	12	—	12
30	12	17	29	52	22	—	22
31	7	9	16	53	2	—	2
32	4	5	9	54	2	—	2
33	64	34	98	56	7	—	7
34	6	19	25	59	4	—	4
35	2	5	7	Sum	386	148	^{1,2} 535
36	31	26	¹⁾ 58				
37	2	3	5				
38	13	2	15				
39	42	15	57				
40	—	1	1				
41	9	—	9				
42	1	—	1				
43	26	—	26				
44	7	—	7				

Average size	Per cent	{ Males: 41.16 feet Females: 33.36 " Total animals: 38.99 "	
		{ Males: 72.28 Females: 27.72	

¹⁾ Including 1 sperm-whale of 36 ft. with sex not stated. ²⁾ In addition 1 sperm-whale with length and sex not stated.

6. Madeira.

1 fin-whale, length and sex not stated.

Table No. 8 (continued).

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.		
	males.	females.			males.	females.			
26	3	8	11	44	4	-	4		
27	-	1	1	45	1	-	1		
28	2	5	7	46	6	-	6		
29	-	4	4	47	1	-	1		
30	5	6	11	48	3	-	3		
31	-	6	6	49	3	-	3		
32	3	3	6	50	2	-	2		
33	-	4	4	51	2	-	2		
34	7	4	11	52	13	-	13		
35	4	3	7	53	3	-	3		
36	1	-	1	54	7	-	7		
37	2	1	3	Sum	123	45	168		
38	9	-	9	Average size	Males: 42.24 feet	Females: 32.29 "	Total animals: 39.57 "		
39	9	-	9					Per cent	Males: 73.21
40	11	-	11						
41	8	-	8						
42	7	-	7						
43	7	-	7						

7. Spain.

5 fin-whales, 6 sei-whales, 234 sperm-whales, and 28 baleen whales, not specified.

8. Norway.

Fin-whales.

44	-	1	1	64	4	2	6		
47	1	-	1	65	6	1	7		
49	-	1	1	66	1	5	6		
50	7	2	9	67	3	4	7		
51	3	2	5	68	-	3	3		
52	2	3	5	69	-	2	2		
53	3	7	10	70	-	2	2		
54	2	4	6	71	-	2	2		
55	3	1	4	72	-	1	1		
56	4	1	5	73	-	1	1		
57	3	4	7	Sum	64	68	132		
58	2	3	5	Average size	Males: 58.27 feet	Females: 60.13 "	Total animals: 59.23 "		
59	4	3	7					Per cent	Males: 48.48
60	5	2	7						
61	3	3	6						
62	4	6	10						
63	4	2	6						

Sei-whales.

40	1	-	1	Average size	Males: 44.50 feet	Females: 48.00 "	Total animals: 44.94 "		
41	1	-	1					Per cent	Males: 87.50
43	1	-	1						
44	3	-	3						
45	4	-	4						
46	2	-	2						
47	1	1	2						
48	1	-	1						
49	-	1	1						
Sum	14	2	16						

Table No. 8 (continued).

Sperm-whales.

Engl. feet.	Number of males.	Engl. feet.	Number of males.
41	1	50	7
42	1	51	3
43	2	52	1
44	2	53	4
45	3	54	3
46	5	55	-
47	7	56	1
48	7		
49	11	Sum	58

Average size: Males: 48.47 feet.

9. Faroe Islands.

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
51	1	2	3	67	1	1	2
52	5	-	5	69	-	3	3
53	-	1	1	70	-	1	1
55	-	3	3	71	-	1	1
56	4	1	5	77	-	1	1
57	-	2	2	Sum	22	21	43
59	4	1	5	Average size { Males: 57.77 feet Females: 61.90 " Total animals: 59.79 "			
60	1	-	1				
61	4	-	4	Per cent { Males: 51.16 Females: 48.84			
63	-	1	1				
64	1	-	1				
65	1	2	3				
66	-	1	1				

Humpbacks.

Engl. feet.	Males.
45	1
47	2
Sum	3

Average size: Males: 46.33 feet.

Sei-whales.

Engl. feet.	Number of		Total animals.	Average size { Males: 42.00 feet Females: 49.00 " Total animals: 44.33 "
	males.	females.		
37	1	-	1	Per cent { Males: 66.67 Females: 33.33
47	1	-	1	
49	-	1	1	
Sum	2	1	3	

Table No. 8 (continued).

Sperm-whales.

Engl. feet.	Number of males.	Engl. feet.	Number of males.
41	1	50	4
42	3	51	3
43	6	52	3
44	7	53	3
45	14	54	3
46	18	55	3
47	14		
48	8	Sum	97
49	7		

Average size: Males: 47.12 feet.

10. Iceland.

Blue-whales.

Engl. feet.	Number of		Total animals.	
	males.	females.		
63	1	—	1	Average size { Males: 67.75 feet Females: 70.50 " Total animals: 69.13 "
66	1	1	2	
67	—	1	1	
70	1	—	1	Per cent { Males: 50.00 Females: 50.00
71	—	1	1	
72	1	—	1	
78	—	1	1	
Sum	4	4	8	

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
43	—	1	1	63	9	6	15
46	—	1	1	64	3	8	11
47	1	1	2	65	2	8	10
49	—	1	1	66	1	5	6
50	1	7	8	67	1	7	8
51	—	4	4	68	—	1	1
52	—	7	7	69	—	4	4
53	4	8	12	70	—	2	2
54	5	4	9	71	—	1	1
55	8	6	14	Sum	116	149	265
56	9	10	19	Average size { Males: 58.79 feet Females: 59.06 " Total animals: 58.94 "	Per cent { Males: 43.77 Females: 56.23		
57	9	6	15				
58	18	8	26				
59	12	10	22				
60	13	11	24				
61	10	17	27				
62	10	5	15				

Table No. 8 (continued).

Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
37	—	1	1	48	—	5	5
38	2	—	2	49	—	2	2
39	1	3	4	50	—	1	1
40	—	2	2	Sum	29	43	72
41	4	5	9	Average size { Males: 43.21 feet Females: 44.74 " Total animals: 44.13 " Per cent { Males: 40.28 Females: 59.72			
42	2	—	2				
43	4	—	4				
44	7	3	10				
45	5	5	10				
46	3	12	15				
47	1	4	5				

Sperm-whales.

Engl. feet.	Number of males.	Engl. feet	Number of males.
41	1	50	7
42	—	51	11
43	1	52	6
44	4	53	21
45	2	54	12
46	3	55	7
47	5	57	1
48	4	Sum	95
49	10		

Average size: Males: 50.85 feet.

II. West Greenland.

Blue-whale.
1 male, 73 feet.

Sei-whale.
1 female, 45 feet.

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
58	2	1	3	70	—	1	1
59	2	—	2	73	—	2	2
60	3	1	4	Sum	17	11	28
61	3	—	3	Average size { Males: 61.00 feet Females: 65.36 " Total animals: 62.71 " Per cent { Males: 60.71 Females: 39.29			
62	4	1	5				
63	1	2	3				
64	1	1	2				
65	1	—	1				
66	—	1	1				
67	—	1	1				

Table No. 8 (continued).

Sperm-whales.

Engl. feet.	Number of males.	Engl. feet.	Number of males
49	1	57	1
52	1	58	3
53	4	62	1
55	1		
56	2	Sum	14

Average size: Males: 55.21 feet.

12. Newfoundland (Labrador).

Fin-whales.

Engl. feet.	Number of		Total animals.	Average size	Per cent
	males.	females.			
50	—	1	1	Males: 60.00 feet Females: 60.50 " Total animals: 60.29 "	Males: 42.86 Females: 57.14
58	1	—	1		
59	1	1	2		
60	—	1	1		
63	1	—	1		
73	—	1	1		
Sum	3	4	7		

Sei-whales.

Engl. feet.	Females.
46	1
51	1
Sum	2

Average size: Females: 48.50 feet.

Sperm-whales.

Engl. feet.	Number of males.	Engl. feet.	Number of males.
44	1	52	1
47	1	55	2
48	1	56	3
50	2		
51	2	Sum	13

Average size: Males: 51.62 feet.

Table No. 8 (continued).

13. Summary North Atlantic and Arctic.

(Azores, Madeira, Norway, Faroe Islands, Iceland, West Greenland, and Newfoundland (Labrador).)

Blue-whales.

Engl. feet.	Number of		Total animals.	
	males.	females.		
63	1	—	1	Average size { Males: 68 80 feet Females: 70.50 „ Total animals: 69.56 „
66	1	1	2	
67	—	1	1	
70	1	—	1	Per cent { Males: 55 56 Females: 44.44
71	—	1	1	
72	1	—	1	
73	1	—	1	
78	—	1	1	
Sum	5	4	9	

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
43	—	1	1	65	10	11	21
44	—	1	1	66	2	12	14
46	—	1	1	67	5	13	18
47	2	1	3	68	—	4	4
49	—	2	2	69	—	9	9
50	8	10	18	70	—	6	6
51	4	8	12	71	—	4	4
52	7	10	17	72	—	1	1
53	7	16	23	73	—	4	4
54	7	8	15	77	—	1	1
55	11	10	21	Sum	222	253	1) 475
56	17	12	29	Average size { Males: 58 73 feet Females: 59.88 „ Total animals: 59.34 „			
57	12	12	24				
58	23	12	35				
59	23	15	38				
60	22	15	37				
61	20	20	40				
62	18	12	30				
63	15	11	26				
64	9	11	20	Per cent { Males: 46 74 Females: 53.26			

¹ In addition 1 fin-whale with length and sex not stated.**Humpbacks.**

Engl. feet.	Males.
45	1
47	2
Sum	3

Average size: Males: 46.33 feet.

Table No. 8 (continued).

Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
37	1	1	2	49	—	4	4
38	2	—	2	50	—	1	1
39	1	3	4	51	—	1	1
40	1	2	3	Sum	45	49	94
41	5	5	10	Average size { Males: 43.56 feet Females: 45.12 " Total animals: 44.37 " Per cent { Males: 47.87 Females: 52.13			
42	2	—	2				
43	5	—	5				
44	10	3	13				
45	9	6	15				
46	5	13	18				
47	3	5	8				
48	1	5	6				

Sperm-whales.

20	1	2	3	47	29	—	29
23	2	3	5	48	34	—	34
26	9	12	21	49	78	—	78
27	—	2	2	50	22	—	22
28	3	6	9	51	33	—	33
29	1	5	6	52	47	—	47
30	17	23	40	53	37	—	37
31	7	15	22	54	27	—	27
32	7	8	15	55	13	—	13
33	64	38	102	56	13	—	13
34	13	23	36	57	2	—	2
35	6	8	14	58	3	—	3
36	32	26	1) 59	59	4	—	4
37	4	4	8	62	1	—	1
38	22	2	24	Sum	786	193	1, 2) 980
39	51	15	66	Average size { Males: 44.17 feet Females: 32.52 " Total animals: 41.87 " Per cent { Males: 80.29 Females: 19.71			
40	11	1	12				
41	20	—	20				
42	12	—	12				
43	42	—	42				
44	25	—	25				
45	22	—	22				
46	72	—	72				

1) Including 1 sperm-whale of 36 ft. with sex not stated. 2) In addition 1 sperm-whale with length and sex not stated.

14. California.

Fin-whales.

Engl. feet.	Number of males.
55	1
59	1
61	1
Sum	3

Average size: Males: 58.33 feet.

Sperm-whales.

Engl. feet.	Number of males.
37	1
39	1
41	1
42	3
46	1
50	2
Sum	9

Average size: Males: 43.22 feet.

Table No. 8 (continued).

Humpbacks.							
Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
28	1	—	1	45	—	8	8
29	1	—	1	46	—	12	12
34	2	—	2	47	2	2	4
35	8	1	9	48	—	4	4
36	5	—	5	49	—	1	1
37	7	5	12	Sum	73	60	133
38	8	1	9	Average size {			Males: 39.19 feet
39	5	7	12	{			Females: 42.95 "
40	6	2	8	{			Total animals: 40.89 "
41	8	5	13	Per cent {			Males: 54.89
42	9	5	14	{			Females: 45.11
43	6	4	10				
44	5	3	8				

**15. British Columbia.
Blue-whales.**

Engl. feet.	Number of		Total animals.	Average size {	Per cent {
	males.	females.			
57	1	—	1	Males: 69.00 feet	Females: 76.18 "
69	—	1	1		
72	—	2	2		
73	1	1	2	Total animals: 74.64 "	
75	—	1	1		
76	—	1	1	Males: 21.43	
77	1	—	1		
78	—	2	2	Females: 78.57	
79	—	1	1		
82	—	1	1		
84	—	1	1		
Sum	3	11	14		

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
45	1	1	2	63	3	5	8
47	—	3	3	64	2	4	6
48	—	2	2	65	—	3	3
49	1	—	1	66	1	4	5
50	8	8	16	67	—	3	3
51	2	4	6	68	—	1	1
52	4	4	8	69	—	2	2
53	8	2	10	70	—	1	1
54	3	1	4	Sum	78	90	168
55	8	3	11	Average size {			Males: 56.67 feet
56	1	3	4	{			Females: 58.07 "
57	2	6	8	{			Total animals: 57.42 "
58	8	10	18	Per cent {			Males: 46.43
59	6	5	11	{			Females: 53.57
60	5	4	9				
61	11	7	18				
62	4	4	8				

Table No. 8 (continued).

Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
33	1	-	1	46	-	1	1
34	-	1	1	47	-	1	1
35	1	1	2	49	1	-	1
36	2	1	3	Sum	12	16	28
37	1	3	4	Average size { Males: 39.25 feet Females: 40.75 " Total animals: 40.11 " Per cent { Males: 42.86 Females: 57.14			
38	1	-	1				
39	-	-	-				
40	1	-	1				
41	1	2	3				
42	3	2	5				
43	-	1	1				
44	-	1	1				
45	-	2	2				

Sei-whales.

34	1	-	1	49	1	1	2
38	1	1	2	50	-	1	1
39	1	-	1	51	-	1	1
40	1	5	6	Sum	12	25	37
42	1	1	2	Average size { Males: 42.58 feet Females: 44.92 " Total animals: 44.16 " Per cent { Males: 32.43 Females: 67.57			
43	-	3	3				
44	3	-	3				
45	2	2	4				
46	-	2	2				
47	1	2	3				
48	-	6	6				

Sperm-whales.

28	-	1	1	47	6	-	6
32	-	1	1	48	6	-	6
33	1	3	4	49	5	-	5
34	-	3	3	50	6	-	6
35	3	8	11	51	4	-	4
36	1	2	3	52	1	-	1
37	6	2	8	53	1	-	1
38	9	-	9	Sum	107	20	127
39	7	-	7	Average size { Males: 42.91 feet Females: 34.35 " Total animals: 41.56 " Per cent { Males: 84.25 Females: 15.75			
40	15	-	15				
41	8	-	8				
42	7	-	7				
43	4	-	4				
44	9	-	9				
45	2	-	2				
46	6	-	6				

1 Baird's beaked whale: Female: 37 feet.

Table No. 8 (continued).

16. Bering Sea.
Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
70	2	1	3	83	1	3	4
73	4	—	4	84	—	1	1
74	4	—	4	Sum	41	29	70
75	5	3	8	Average size { Males: 76.66 feet Females: 79.03 " Total animals: 77.64 " Per cent { Males: 58.57 Females: 41.43			
76	7	2	9				
77	4	4	8				
78	3	—	3				
79	4	6	10				
80	2	3	5				
81	3	2	5				
82	2	4	6				

Fin-whales.

50	1	—	1	66	7	64	71
52	1	2	3	67	2	44	46
53	2	—	2	68	—	23	23
54	2	1	3	69	—	19	19
55	31	22	53	70	—	2	2
56	41	28	69	Sum	755	657	¹⁾ 1,412
57	51	27	78	Average size { Males: 59.99 feet Females: 62.58 " Total animals: 61.20 " Per cent { Males: 53.47 Females: 46.53			
58	76	25	101				
59	98	43	141				
60	116	32	148				
61	114	47	161				
62	105	56	161				
63	65	70	135				
64	30	82	112				
65	13	70	83				

¹⁾ In addition 3 fin-whales lost.

Humpbacks.

35	1	3	4	46	1	2	3
36	1	1	2	47	—	2	2
37	1	1	2	Sum	16	21	37
38	3	3	6	Average size { Males: 40.19 feet Females: 40.33 " Total animals: 40.27 " Per cent { Males: 43.24 Females: 56.76			
39	2	3	5				
40	—	1	1				
41	2	2	4				
42	1	—	1				
43	3	2	5				
44	1	1	2				

Table No. 8 (continued).

Sei-whales.

Engl. feet.	Number of		Total animals.
	males.	females.	
40	1	—	1
41	1	1	2
42	—	2	2
43	1	1	2
44	3	—	3
45	4	—	4
46	9	2	11
47	5	1	6
48	3	3	6
49	1	3	4
50	—	3	3
51	—	3	3
Sum	28	19	¹⁾ 47

Average size { Males: 45.64 feet
Females: 47.42 „
Total animals: 46.36 „

Per cent { Males: 59.57
Females: 40.43

¹⁾ In addition 1 sei-whale lost.

Sperm-whales.

Engl. feet.	Number of males.	Engl. feet.	Number of males.
38	44	48	100
39	78	49	109
40	90	50	117
41	128	51	122
42	122	52	59
43	113	53	41
44	122	54	18
45	103	55	5
46	114		
47	108		
		Sum	¹⁾ 1 593

Average size: Males: 45 55 feet.

¹⁾ In addition 5 sperm-whales lost.

17. Kamtchatka.

Blue-whales.

Engl. feet.	Number of		Total animals.
	males.	females.	
70	2	—	2
71	—	1	1
74	1	—	1
77	1	—	1
79	1	—	1
81	1	—	1
Sum	6	1	7

Average size { Males: 75.17 feet
Females: 71.00 „
Total animals: 74.57 „

Per cent { Males: 85.71
Females: 14.29

Table No. 8 (continued).

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
56	1	—	1	67	—	2	2
57	3	1	4	69	—	1	1
58	3	4	7	70	—	1	1
59	7	3	10	Sum	27	38	65
60	1	3	4	Average size { Males: 59.89 feet Females: 62.95 " Total animals: 61.68 " Per cent { Males: 41.54 Females: 58.46			
61	6	2	8				
62	4	4	8				
63	—	3	3				
64	1	4	5				
65	1	2	3				
66	—	8	8				

Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	7	—	7	Average size { Males: 37.84 feet Females: 41.42 " Total animals: 39.23 " Per cent { Males: 61.29 Females: 38.71			
36	2	—	2				
37	2	—	2				
38	—	3	3				
39	1	1	2				
40	3	—	3				
41	1	—	1				
42	1	3	4				
43	2	4	6				
46	—	1	1				
Sum	19	12	31				

Sei-whales.

41	1	—	1	Average size { Males: 45.67 feet Females: 52.10 " Total animals: 49.69 " Per cent { Males: 37.50 Females: 62.50			
45	3	—	3				
49	2	2	4				
51	—	1	1				
52	—	4	4				
53	—	1	1				
54	—	1	1				
57	—	1	1				
Sum	6	10	16				

Table No. 8 (continued).

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
36	1	—	1	50	61	—	61
37	2	—	2	51	22	—	22
38	94	9	103	52	15	—	15
39	160	11	171	53	2	—	2
40	51	—	51	Sum	973	22	1) 995
41	56	1	57	Average size { Males: 43.76 feet Females: 38.86 " Total animals: 43.65 " Per cent { Males: 97.79 Females: 2.21			
42	38	—	38				
43	89	1	90				
44	61	—	61				
45	46	—	46				
46	78	—	78				
47	52	—	52				
48	53	—	53				
49	92	—	92				

1) In addition 3 sperm-whales lost.

18. Kuril Islands.

Blue-whales.

Engl. feet.	Number of		Total animals.	Average size { Males: 75.15 feet Females: 76.42 " Total animals: 75.69 "
	males.	females.		
69	1	—	1	Per cent { Males: 57.78 Females: 42.22
70	1	—	1	
72	1	1	2	
74	4	1	5	
75	10	5	15	
76	1	4	5	
77	4	2	6	
78	3	1	4	
79	1	5	6	
Sum	26	19	45	

Fin-whales.

50	1	—	1	69	6	3	9
55	6	5	11	70	11	6	17
56	8	8	16	71	3	—	3
57	7	7	14	72	1	1	2
58	8	3	11	73	5	5	10
59	15	6	21	74	1	1	2
60	7	5	12	Sum	135	102	1) 237
61	10	6	16	Average size { Males: 62.78 feet Females: 62.79 " Total animals: 62.78 " Per cent { Males: 56.96 Females: 43.04			
62	10	9	19				
63	8	12	20				
64	8	9	17				
65	5	3	8				
66	8	6	14				
67	4	6	10				
68	3	1	4				

1) In addition 4 fin-whales lost.

Table No. 8 (continued).

Humpbacks.

Engl. feet.	Number of		Total animals.	
	males.	females.		
35	—	1	1	Average size { Males: 39.60 feet Females: 38.60 „ Total animals: 39.10 „
36	1	1	2	
37	1	—	1	
39	2	1	3	
40	—	1	1	
43	—	1	1	
47	1	—	1	Per cent { Males: 50.00 Females: 50.00
Sum	5	5	10	

Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
36	1	—	1	51	6	2	8
37	1	1	2	52	4	—	4
39	1	1	2	53	5	1	6
40	10	—	10	54	—	1	1
41	2	2	4	55	1	—	1
42	2	3	5	Sum	99	72	171
43	6	1	7	Average size { Males: 46.44 feet Females: 46.69 „ Total animals: 46.55 „			
44	6	5	11				
45	5	6	11				
46	16	11	27				
47	7	14	21				
48	8	9	17				
49	10	10	20				
50	8	5	13				
					Per cent { Males: 57.89 Females: 42.11		

Sperm-whales.

33	1	—	1	50	83	—	83
34	2	—	2	51	55	—	55
35	305	124	429	52	46	—	46
36	274	84	358	53	28	—	28
37	112	41	153	54	11	—	11
38	115	16	131	55	1	—	1
39	70	7	77	59	1	—	1
40	57	5	62	Sum	1,409	280	1) 1,689
41	34	2	36	Average size { Males: 40.44 feet Females: 36.02 „ Total animals: 39.71 „			
42	21	1	22				
43	25	—	25				
44	19	—	19				
45	16	—	16				
46	19	—	19				
47	28	—	28				
48	32	—	32				
49	54	—	54				
					Per cent { Males: 83.42 Females: 16.58		

1) In addition 4 sperm-whales lost.

Table No. 8 (continued).

19. Japan.
Blue-whales.

Engl. feet.	Number of		Total animals.	
	males.	females.		
65	—	2	2	Average size { Males: 68.75 feet Females: 72.30 " Total animals: 71.29 " Per cent { Males: 28.57 Females: 71.43
66	1	1	2	
67	1	2	3	
69	1	—	1	
72	—	1	1	
73	1	—	1	
78	—	1	1	
79	—	1	1	
81	—	1	1	
83	—	1	1	
Sum	4	10	14	

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
50	9	9	18	64	—	8	8
51	25	8	33	65	—	5	5
52	14	15	29	66	—	5	5
53	12	10	22	67	—	1	1
54	10	5	15	68	—	1	1
55	13	8	21	69	—	3	3
56	11	5	16	Sum	182	165	347
57	18	7	25	Average size { Males: 55.87 feet Females: 58.18 " Total animals: 56.97 " Per cent { Males: 52.45 Females: 47.55			
58	14	11	25				
59	21	11	32				
60	19	17	36				
61	7	14	21				
62	3	13	16				
63	6	9	15				

Humpbacks.

Engl. feet.	Number of		Total animals.	
	males.	females.		
35	—	1	1	Average size { Males: 41.33 feet Females: 42.00 " Total animals: 41.57 " Per cent { Males: 64.29 Females: 35.71
36	1	1	2	
37	1	—	1	
39	1	—	1	
40	1	—	1	
42	1	—	1	
43	1	—	1	
44	1	—	1	
45	1	1	2	
46	1	—	1	
47	—	2	2	
Sum	9	5	14	

Table No. 8 (continued).

Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
33	1	—	1	50	1	10	11
35	25	23	48	51	1	5	6
36	43	20	63	52	—	1	1
37	25	29	54	53	—	1	1
38	26	31	57	59	1	—	1
39	22	20	42	Sum	424	358	782
40	42	26	68	Average size { Males: 41.10 feet Females: 42.07 " Total animals: 41.54 "			
41	39	32	71				
42	40	22	62				
43	39	22	61				
44	40	16	56				
45	27	13	40				
46	24	25	49				
47	20	16	36				
48	8	23	31				
49	—	23	23				
				Per cent { Males: 54.22 Females: 45.78			

Right-whales.

Engl. feet.	Number of		Total animals.
	males.	females.	
38	—	1	1
41	1	—	1
Sum	1	1	2

Average size: 39.50 feet.

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
32	—	1	1	49	10	—	10
34	—	1	1	50	11	—	11
35	215	502	717	51	6	—	6
36	352	315	667	52	4	—	4
37	264	63	327	53	1	—	1
38	153	16	169	55	1	—	1
39	57	3	60	Sum	1,224	901	2,125
40	61	—	61	Average size { Males: 37.55 feet Females: 35.55 " Total animals: 36.70 "			
41	16	—	16				
42	23	—	23				
43	15	—	15				
44	7	—	7				
45	14	—	14				
46	8	—	8				
47	3	—	3				
48	3	—	3				
49	3	—	3				
				Per cent { Males: 57.60 Females: 42.40			

Table No. 8 (continued).

20. Summary Pacific North.

(California, British Columbia, Bering Sea, Kamtchatka, Kuril Islands, and Japan.)

Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
57	1	—	1	81	4	3	7
65	—	2	2	82	2	5	7
66	1	1	2	83	1	4	5
67	1	2	3	84	—	2	2
69	2	1	3	Sum	80	70	150
70	5	1	6				
71	—	1	1				
72	1	4	5				
73	6	1	7				
74	9	1	10	Average size	{	Males: 75.38 feet	
75	15	9	24		{	Females: 76.80 "	
76	8	7	15		{	Total animals: 76.04 "	
77	10	6	16	Per cent	{	Males: 53.33	
78	6	4	10		{	Females: 46.67	
79	6	13	19				
80	2	3	5				

Fin-whales.

45	1	1	2	66	16	87	103
47	—	3	3	67	6	56	62
48	—	2	2	68	3	26	29
49	1	—	1	69	6	28	34
50	19	17	36	70	11	10	21
51	27	12	39	71	3	—	3
52	19	21	40	72	1	1	2
53	22	12	34	73	5	5	10
54	15	7	22	74	1	1	2
55	59	38	97	Sum	1,180	1,052	¹⁾ 2,232
56	62	44	106				
57	81	48	129				
58	109	53	162				
59	148	68	216	Average size	{	Males: 59.45 feet	
60	148	61	209		{	Females: 61.54 "	
61	149	76	225		{	Total animals: 60.43 "	
62	126	86	212	Per cent	{	Males: 52.87	
63	82	99	181		{	Females: 47.13	
64	41	107	148				
65	19	83	102				

¹⁾ In addition 7 fin-whales lost.

Table No. 8 (continued).

Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
28	1	—	1	45	1	11	12
29	1	—	1	46	2	16	18
33	1	—	1	47	3	7	10
34	2	1	3	48	—	4	4
35	17	7	24	49	1	1	2
36	12	4	16	Sum	134	119	253
37	13	9	22	Average size { Males: 39.28 feet Females: 41.82 " Total animals: 40.77 " Per cent { Males: 52.96 Females: 47.04			
38	12	7	19				
39	11	12	23				
40	11	4	15				
41	12	9	21				
42	15	10	25				
43	12	12	24				
44	7	5	12				

Sei-whales.

33	1	—	1	50	9	19	28
34	1	—	1	51	7	12	19
35	25	23	48	52	4	5	9
36	44	20	64	53	5	3	8
37	26	30	56	54	—	2	2
38	27	32	59	55	1	—	1
39	24	21	45	57	—	1	1
40	54	31	85	59	1	—	1
41	43	35	78	Sum	569	484	¹⁾ 1,053
42	43	28	71	Average size { Males: 42.33 feet Females: 43.32 " Total animals: 42.79 " Per cent { Males: 54.04 Females: 45.96			
43	46	27	73				
44	52	21	73				
45	41	21	62				
46	49	40	89				
47	33	33	66				
48	19	41	60				
49	14	39	53				

¹⁾ In addition 1 sei-whale lost.

Sperm-whales.

28	—	1	1	49	270	—	270
32	—	2	2	50	280	—	280
33	2	3	5	51	209	—	209
34	2	4	6	52	125	—	125
35	523	634	1,157	53	73	—	73
36	628	401	1,029	54	29	—	29
37	385	106	491	55	7	—	7
38	415	41	456	59	1	—	1
39	373	21	394	Sum	5,315	1,223	¹⁾ 6,538
40	274	5	279	Average size { Males: 41.97 feet Females: 35.70 " Total animals: 40.80 " Per cent { Males: 81.29 Females: 18.71			
41	243	3	246				
42	214	1	215				
43	246	1	247				
44	218	—	218				
45	181	—	181				
46	226	—	226				
47	197	—	197				
48	194	—	194				

¹⁾ In addition 12 sperm-whales lost.

Table No. 8 (continued).

Right-whales.

Engl. feet.	Number of		Total animals.
	males.	females.	
38	—	1	1
41	1	—	1
Sum	1	1	2

Average size: 39.50 feet.

21. Peru.

Fin-whale.

1 female, 51.00 feet.

Humpbacks.

Engl. feet.	Number of		Total animals.	Average size {	Males: 37.00 feet
	males.	females.			
36	3	2	5	Per cent {	Males: 57.14
40	1	—	1		
46	—	1	1		
Sum	4	3	7		

Sperm-whales.

36	13	18	31	Average size {	Males: 41.15 feet	
38	5	1	6			Females: 36.11 "
40	8	—	8			Total animals: 39.80 "
42	11	—	11	Per cent {	Males: 73.24	
44	5	—	5			Females: 26.76
46	3	—	3			
48	4	—	4			
50	3	—	3			
Sum	52	19	1) 71			

1) In addition 952 males and 996 females, total 1,948 animals with length not stated.

Table No. 8 (continued).

22. Chile.
Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.		
	males.	females.			males.	females.			
63	1	—	1	79	2	6	8		
65	8	3	11	80	1	4	5		
66	8	5	13	81	1	2	3		
67	5	4	9	82	—	3	3		
68	2	1	3	83	—	3	3		
69	12	4	16	84	1	1	2		
70	5	6	11	Sum	104	95	¹⁾ 199		
71	11	4	15	Average size	Males: 71.67 feet	Females: 74.24 "	Total animals: 72.90 "		
72	7	5	12					Per cent	Males: 52.26
73	9	5	14						
74	7	12	19						
75	3	4	7						
76	14	11	25						
77	4	8	12						
78	3	4	7						

¹⁾ Not including 10 blue-whales with sex and size not stated.

Fin-whales.

49	1	1	2	62	1	—	1		
50	11	14	25	63	1	—	1		
51	7	6	13	64	—	2	2		
52	10	4	14	65	—	1	1		
53	13	10	23	67	—	1	1		
54	8	12	20	Sum	86	94	¹⁾ 180		
55	7	8	15	Average size	Males: 54.09 feet	Females: 54.80 "	Total animals: 54.46 "		
56	15	15	30					Per cent	Males: 47.78
57	3	8	11						
58	1	2	3						
59	5	4	9						
60	2	4	6						
61	1	2	3						

¹⁾ Not including 22 fin-whales with sex and size not stated.

Sei-whales.

35	—	1	1	48	2	—	2		
36	—	1	1	49	—	1	1		
38	1	1	2	Sum	10	14	¹⁾ 24		
39	1	3	4	Average size	Males: 43.60 feet	Females: 42.07 "	Total animals: 42.71 "		
40	—	—	—					Per cent	Males: 41.67
41	1	—	1						
43	1	1	2						
44	3	1	4						
45	—	3	3						
46	—	2	2						
47	1	—	1						

¹⁾ Not including 24 sei-whales with sex and size not stated.

Table No. 8 (continued).

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
30	2	7	9	47	8	—	8
31	6	12	18	48	8	—	8
32	1	7	8	49	16	—	16
33	5	9	14	50	2	—	2
34	1	12	13	51	11	—	11
35	59	159	218	52	2	—	2
36	35	117	152	53	9	—	9
37	15	29	44	54	7	—	7
38	19	11	30	56	2	—	2
39	18	5	23				
40	12	—	12	Sum	322	370	1) 692
41	14	2	16				
42	6	—	6	Average size	{ Males: 41.03 feet		
43	16	—	16		{ Females: 35.29 "		
44	17	—	17		{ Total animals: 37.96 "		
45	13	—	13	Per cent	{ Males: 46.53		
46	18	—	18		{ Females: 53.47		

1) Not including 479 sperm-whales with sex and size not stated.

In addition 1 humpback caught. Sex and size not stated.

23. Australia.

Fin-whales.

1 male, 67 feet.

Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
30	1	—	1	46	10	40	50
32	1	1	2	47	4	33	37
33	3	4	7	48	2	16	18
34	—	1	1	49	—	7	7
35	20	13	33	50	—	1	1
36	42	16	58	Sum	1,251	738	1,989
37	54	27	81				
38	83	27	110				
39	142	46	188	Average size	{ Males: 40.64 feet		
40	234	84	318		{ Females: 42.19 "		
41	216	65	281		{ Total animals: 41.21 "		
42	198	84	282	Per cent	{ Males: 62.90		
43	138	100	238		{ Females: 37.10		
44	67	104	171				
45	36	69	105				

Table No. 8 (continued).

Sperm-whales.

Engl. feet.	Number of males.	Engl. feet.	Number of males.
36	2	46	5
38	1	47	5
39	3	48	3
40	3	49	4
41	5	50	3
42	2	51	4
43	5	52	2
44	8		
45	6	Sum	61

Average size: Males: 44.85 feet.

24. New Zealand.
Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
34	1	—	1	46	—	6	6
35	6	7	13	47	3	1	4
36	8	5	13	48	1	2	3
37	8	4	12	49	—	1	1
38	3	5	8	Sum	80	63	143
39	6	6	12	Average size { Males: 40.24 feet Females: 41.03 " Total animals: 40.59 " Per cent { Males: 55.94 Females: 44.06			
40	7	1	8				
41	12	6	18				
42	7	3	10				
43	9	2	11				
44	4	8	12				
45	5	6	11				

Sei-whales.

Engl. feet.	Number of		Total animals.	Average size {	Males: 43.25 feet
	males.	females.			
36	1	—	1	Per cent { Males: 28.57 Females: 71.43	
39	—	1	1		
42	—	1	1		
43	—	3	3		
44	1	—	1		
45	1	1	2		
46	—	1	1		
47	—	2	2		
48	1	1	2		
Sum	4	10	14		

Sperm-whales.

Engl. feet.	Males.
46	1
51	1
Sum	2

Average size: Males: 48.50 feet.

Table No. 9.—Average production of oil per “blue-whale unit” in the summer season 1956.

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

Geographical areas.	Company.	Blue-whale equivalents.	Oil production.	
			Total.	Average per blue-whale equivalent.
<i>Africa:—</i>				
Natal	No. 1	342.7	36,098	105.3
South Atlantic, pelagic	„ 1	0.5	80	160.0
Total		343.2	36,178	105.4
<i>Brazil</i>				
	No. 1	38.8	3,422	88.2
<i>North Atlantic and Arctic:—</i>				
Madeira	No. 1	0.5	31	62.0
Spain	„ 1	3.5	149	42.6
	„ 2	²⁾ —	—	—
Norway	„ 1	27.7	1,391	50.2
	„ 2	31.5	1,938	61.5
	„ 3	9.5	505	53.2
Faroe Islands.....	„ 1	23.2	1,030	44.4
Iceland	„ 1	152.5	11,465	75.2
West Greenland	„ 1	15.2	375	24.7
Newfoundland (Labrador) ..	„ 1	3.8	269	70.8
Total		267.4	17,153	64.1
<i>Pacific North.—</i>				
California	No. 1	57.4	5,528	96.3
British Columbia	„ 1	115.4	8,031	69.6
Bering Sea, pelagic	„ 1	798.6	72,606	90.9
Kamtschatka, pelagic	„ 1	54.6	3,006	55.1
Kuril Islands	„ 1	196.0	13,875	70.8
Japan	„ 1	114.0	3,681	32.3
	„ 2	137.6	4,570	33.2
	„ 3	36.4	965	26.5
	„ 4	22.2	559	25.2
	„ 5	14.2	407	28.7
Total		1,546.4	113,228	73.2
<i>Peru</i>				
	No. 1	3.3	163	49.4
<i>Chile</i>				
	No. 1	293.0	14,873	50.8
	„ 2	26.2	1,361	51.9
Total		319.2	16,234	50.9
<i>Australia</i>				
	No. 1	48.0	6,383	133.0
	„ 2	240.0	32,700	136.3
	„ 3	400.0	50,149	125.4
	„ 4	48.1	5,921	123.1
	„ 5	60.0	6,830	113.8
Total		796.1	101,983	128.1
<i>New Zealand</i>				
	No. 1	50.8	5,500	108.3
	„ 2	8.7	750	86.2
Total		59.5	6,250	105.0

¹⁾ Barrel = 170 kg. (Barrel = abt. 1/6 long ton, 1 long ton = 1,016 kg.) ²⁾ No specification of species received.

**Table No. 10.—Average production of oil per sperm-whale
in the summer season 1956.**

Geographical areas.	Company.	Number of sperm-whales.	Oil production.	
			Total.	Average per sperm-whale.
<i>Africa:—</i>			Barrels. ¹⁾	Barrels. ¹⁾
Natal	No. 1	474	15,007	31.7
South Atlantic, pelagic	„ 1	121	3,738	30.9
Total		595	18,745	31.5
<i>Brazil</i>	No. 1	3	51	17.0
<i>North Atlantic and Arctic:—</i>				
Azores	No. 1	536	14,244	26.6
Madeira	„ 1	168	4,568	27.2
Spain	„ 1	68	962	14.1
	„ 2	108	1,293	12.0
	„ 3	58	1,618	27.9
Norway	„ 1	16	965	60.3
	„ 2	38	1,775	46.7
	„ 3	4	190	47.5
Faroe Islands	„ 1	97	4,430	45.7
Iceland	„ 1	95	5,676	59.7
West Greenland	„ 1	14	567	40.5
Newfoundland (Labrador) ..	„ 1	13	598	46.0
Total		1,215	36,886	30.4
<i>Pacific North:—</i>				
California	No. 1	9	232	25.8
British Columbia	„ 1	127	4,697	37.0
Bering Sea, pelagic	„ 1	989	47,629	48.2
	„ 2	604	26,365	43.7
Kamtschatka, pelagic	„ 1	995	37,565	37.8
Kuril Islands	„ 1	1,689	40,374	23.9
Japan	„ 1	744	12,433	16.7
	„ 2	549	10,017	18.2
	„ 3	290	3,665	12.6
	„ 4	216	3,335	15.4
	„ 5	326	6,601	20.2
Total		6,538	192,913	29.5
<i>Peru</i>	No. 1	72	1,517	21.1
	„ 2	1,947	30,924	15.9
Total		2,019	32,441	16.1
<i>Chile</i>	No. 1	692	13,665	19.7
	„ 2	479	11,852	24.7
Total		1,171	25,517	21.8
<i>Australia</i>	No. 1	61	2,624	43.0
<i>New Zealand</i>	No. 1	2	75	37.5

¹⁾ Barrel = 170 kg. (Barrel = abt. 1/6 long ton, 1 long ton = 1,016 kg.)

Table No. 11.—Whale fetuses measured in the summer season 1956.
Blue-whale fetuses.

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
		Engl. ft.	Engl. ft.				Engl. ft.	Engl. ft.	
<i>British Columbia.</i>					<i>Chile.</i>				
Average length of fetuses: 6' 9"	$\frac{6}{6}$ $\frac{11}{6}$	79 72	8' 6" 5' 0"	M F	Average length of fetuses: 13' 1"	$\frac{13}{1}$ " $\frac{3}{2}$ $\frac{20}{2}$ $\frac{23}{2}$ $\frac{5}{3}$ $\frac{23}{12}$	74 79 79 74 79 79 77	9' 10" 9' 10" 15' 1" 16' 5" 18' 4" 15' 1" 7' 3"	M M M F F M M
<i>Bering Sea.</i>									
Average length of fetuses: 14' 5"	$\frac{3}{9}$ $\frac{4}{9}$ $\frac{5}{9}$ $\frac{6}{9}$	79 82 80 82	16' 0" 13' 1" 12' 0" 16' 6"	M M M M					

Fin-whale fetuses.

<i>Natal.</i>					<i>British Columbia</i> (cont.).				
Average length of fetuses: 11' 8"	$\frac{27}{5}$ $\frac{17}{6}$ $\frac{3}{7}$	68 69 73	9' 11" 13' 0" 13' 0"	? F M		$\frac{3}{8}$ $\frac{17}{8}$ $\frac{18}{8}$ $\frac{19}{8}$ $\frac{21}{8}$ " $\frac{24}{8}$ $\frac{26}{8}$	60 58 59 65 58 64 65 61	3' 5" 5' 6" 8' 4" 7' 4" 6' 11" 4' 5" 10' 2" 9' 10"	M F M M F F F F
<i>Norway.</i>									
Average length of fetuses: 2' 2"	$\frac{12}{6}$ $\frac{1}{7}$ $\frac{2}{7}$	66 65 67	1' 6" 2' 0" 3' 0"	F M F					
<i>Faroe Islands.</i>					<i>Bering Sea.</i>				
Average length of fetuses: 5' 8"	$\frac{4}{6}$ $\frac{8}{6}$ $\frac{16}{6}$ $\frac{28}{6}$ " $\frac{29}{6}$ $\frac{30}{6}$	69 69 67 71 70 65 65	6' 0" 1' 6" 14' 6" 3' 2" 6' 0" 6' 0" 3' 0"	F ? M F F F F	Average length of fetuses: 6' 5"	$\frac{8}{6}$ " " $\frac{9}{6}$ " " " $\frac{10}{6}$ " " $\frac{11}{6}$ " $\frac{12}{6}$ " " $\frac{13}{6}$ " " " $\frac{14}{6}$ $\frac{15}{6}$ " " " " $\frac{17}{6}$ $\frac{18}{6}$ " $\frac{19}{6}$	61 67 66 66 64 65 63 65 65 65 60 69 65 68 67 65 61 65 61 61 64 64 63 66 65 63 66 65 63 64 66 68 66 68 60	1' 10" 7' 5" 2' 5" 5' 10" 4' 5" 5' 3" 4' 11" 1' 0" 2' 9" 4' 6" 5' 10" 4' 3" 2' 4" 4' 1" 6' 4" 6' 7" 1' 2" 4' 0" 2' 11" 2' 5" 1' 10" 2' 0" 4' 3" 4' 2" 4' 5" 0' 5" 4' 11" 1' 6" 7' 5" 5' 2" 0' 11" 2' 7"	F M M M M F F F M M M M F F F M M M M M F F M M F F F M M M M
<i>Iceland.</i>									
Average length of fetuses: 6' 3"	$\frac{3}{6}$ $\frac{5}{6}$ $\frac{8}{6}$ $\frac{12}{6}$ $\frac{7}{7}$ $\frac{22}{7}$ $\frac{29}{8}$	60 60 60 69 64 62 69	2' 0" 5' 0" 0' 6" 5' 0" 7' 0" 10' 6" 14' 0"	M M M M F F M					
<i>West Greenland.</i>									
Average length of fetuses: 4' 11"	$\frac{31}{7}$ $\frac{10}{8}$	73 73	3' 3" 6' 7"	M M					
<i>Newfoundland.</i>									
Average length of fetuses: 9' 6"	$\frac{13}{9}$ $\frac{29}{9}$	59 73	4' 0" 15' 0"	M F					
<i>British Columbia.</i>									
Average length of fetuses: 5' 6"	$\frac{11}{5}$ $\frac{28}{5}$ $\frac{3}{6}$ " $\frac{7}{7}$ $\frac{23}{7}$	69 70 63 61 66 59	3' 8" 3' 0" 4' 1" 4' 4" 2' 11" 2' 10"	F M M F F F					

Table No. 11 (continued).

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
<i>Bering Sea</i> (cont.).	19/6	64	6' 5"	M	<i>Bering Sea</i> (cont.).	11/7	64	5' 3"	M
	"	61	4' 4"	M		"	68	5' 7"	F
	20/6	65	9' 3"	M		"	65	6' 7"	M
	"	66	7' 6"	F		12/7	64	3' 7"	F
	"	69	6' 7"	F		"	67	7' 1"	F
	21/6	63	4' 5"	M		"	68	5' 9"	F
	"	69	8' 8"	F		13/7	67	8' 5"	F
	22/6	68	7' 5"	M		"	67	7' 11"	M
	23/6	64	7' 1"	F		"	65	5' 11"	M
	"	66	4' 0"	F		"	61	7' 2"	F
	"	64	4' 9"	M		"	65	4' 11"	M
	"	63	6' 2"	M		"	65	7' 7"	M
	"	63	6' 1"	M		"	65	6' 8"	M
	24/6	66	5' 5"	F		"	63	7' 0"	F
	25/6	69	5' 9"	F		14/7	66	6' 3"	F
	"	66	3' 9"	M		"	64	6' 11"	M
	"	64	6' 1"	F		"	64	4' 5"	M
	"	65	4' 1"	M		"	61	4' 8"	M
	26/6	64	2' 4"	M		"	65	6' 7"	M
	"	66	3' 8"	F		15/7	63	6' 7"	F
	"	65	4' 3"	M		"	63	5' 4"	F
	"	67	2' 5"	M		"	64	7' 3"	F
	"	66	5' 3"	F		16/7	63	5' 9"	M
	"	69	3' 10"	M		"	66	10' 0"	M
	"	66	5' 5"	F		"	64	6' 1"	F
	"	64	2' 11"	F		"	62	6' 3"	M
	29/6	63	7' 1"	F		"	63	5' 9"	F
	"	63	6' 2"	F		"	61	7' 3"	F
	"	62	3' 6"	F		17/7	63	6' 11"	M
	"	63	3' 10"	M		"	58	5' 1"	F
	"	56	2' 10"	F		18/7	60	6' 5"	M
	30/6	68	6' 8"	F		19/7	64	3' 3"	F
	1/7	64	4' 10"	F		"	62	4' 7"	M
	4/7	69	5' 1"	M		"	60	4' 8"	F
	5/7	65	9' 10"	M		"	66	5' 3"	M
	"	63	5' 3"	F		20/7	64	6' 7"	M
	"	66	5' 10"	F		"	61	9' 0"	F
	6/7	66	2' 11"	F		"	62	4' 3"	M
	"	65	5' 3"	M		21/7	68	3' 1"	F
	"	66	8' 7"	F		"	62	4' 6"	F
	"	62	7' 8"	F		22/7	63	7' 3"	F
	"	65	2' 4"	M		"	62	7' 0"	F
	7/7	63	2' 2"	M		23/7	66	4' 7"	M
	"	64	7' 7"	M		24/7	66	10' 9"	M
	8/7	61	4' 5"	F		"	63	6' 3"	F
	"	63	2' 7"	F		"	63	9' 5"	F
	"	59	7' 11"	F		"	63	8' 8"	M
9/7	63	4' 1"	M	"	62	4' 5"	F		
"	61	6' 9"	F	"	67	8' 7"	M		
10/7	61	5' 2"	F	"	67	9' 4"	F		
"	64	8' 5"	F	"	65	2' 4"	M		
"	63	2' 3"	M	25/7	63	4' 11"	F		
11/7	66	8' 10"	F	"	67	7' 5"	M		
"	64	2' 10"	F	"	63	5' 8"	M		
"	62	3' 3"	F	"	66	10' 1"	F		
"	66	7' 1"	F	"	60	6' 6"	F		
"	60	0' 7"	F	"	62	4' 8"	M		
"	67	4' 2"	F	26/7	66	6' 10"	F		

Table No. 11 (continued).

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.	
		Mother.	Foetus.				Mother.	Foetus.		
		Engl. ft.	Engl. ft.				Engl. ft.	Engl. ft.		
<i>Bering Sea</i> (cont.).	26/7	67	9' 4"	F	<i>Bering Sea</i> (cont.).	3/8	62	7' 10"	F	
	27/7	67	10' 4"	M		4/8	66	11' 9"	F	
	"	62	5' 3"	M		"	61	10' 4"	M	
	"	63	2' 1"	F		10/8	66	11' 10"	M	
	28/7	60	4' 5"	M		11/8	64	5' 5"	M	
	"	63	11' 0"	F		"	70	11' 8"	F	
	"	64	9' 9"	M		11/8	61	6' 10"	M	
	"	61	5' 1"	M		"	64	9' 0"	M	
	"	64	4' 1"	F		15/8	69	4' 4"	F	
	29/7	62	8' 7"	F		18/8	65	10' 2"	F	
	"	64	8' 2"	F		"	63	5' 8"	F	
	"	65	9' 11"	M		"	67	12' 4"	M	
	"	61	6' 6"	F		"	62	6' 5"	M	
	"	59	6' 8"	F		19/8	64	12' 0"	M	
	"	66	10' 2"	F		"	65	10' 5"	F	
	"	65	8' 10"	M		"	66	9' 8"	F	
	"	66	9' 7"	M		"	66	9' 9"	F	
	"	62	6' 0"	F		20/8	62	9' 10"	F	
	"	67	8' 11"	M		"	62	5' 4"	M	
	30/7	67	9' 7"	M		"	67	8' 11"	F	
	"	65	8' 1"	F		"	62	9' 5"	M	
	"	64	10' 5"	F		"	64	10' 5"	F	
	31/7	64	6' 11"	F		"	65	9' 11"	M	
	"	67	10' 0"	F		21/8	68	11' 0"	M	
	"	65	7' 1"	M		"	64	10' 5"	M	
	"	62	5' 5"	M		22/8	61	9' 0"	M	
	"	65	7' 0"	M		"	64	11' 1"	M	
	"	68	8' 1"	M		"	69	12' 0"	M	
	"	66	5' 7"	M		24/8	66	10' 1"	M	
	"	67	8' 7"	M		"	69	9' 6"	F	
	1/8	65	8' 0"	M		25/8	64	11' 3"	M	
	"	62	8' 7"	M		"	66	8' 2"	F	
	2/8	66	7' 9"	M		"	66	9' 1"	F	
	"	63	7' 7"	M		26/8	66	11' 10"	M	
	"	65	9' 2"	M		"	65	9' 0"	M	
	"	67	8' 11"	M		4/9	62	13' 4"	M	
	"	59	4' 0"	F						
	3/8	61	3' 8"	F		<i>Japan</i>	24/7	66	5' 4"	F
	"	61	3' 5"	F						
	"	60	6' 7"	F		<i>Chile</i>	29/1	49	5' 11"	F

Humpback foetuses.

<i>California.</i> Average length of foetuses: 5' 4"	11/5	48	0' 5"	M	<i>California</i> (cont.).	23/9	45	4' 0"	M	
	16/5	46	2' 9"	M		27/9	42	6' 0"	M	
	6/6	48	2' 4"	F		28/9	48	7' 0"	F	
	28/6	43	3' 9 1/2"	M		6/10	46	10' 0"	F	
	29/6	41	4' 1"	F		16/10	43	13' 6"	M	
	14/7	44	3' 6"	F						
	13/8	46	6' 0"	F		<i>British Columbia.</i> Average length of foetuses 5' 8"	11/5	46	1' 1"	M
	23/8	41	2' 1"	M			13/8	47	6' 8"	F
	31/8	45	3' 7"	M			6/9	41	6' 9"	?
	4/9	41	7' 0"	F			8/9	44	8' 2"	M
	12/9	42	6' 8"	F						
	15/9	42	?	F						
	19/9	46	7' 6"	M						

Table No. 11 (continued).

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
<i>Bering Sea.</i>		Engl. ft.	Engl. ft.		<i>Australia</i>		Engl. ft.	Engl. ft.	
Average length	21/6	40	1' 10"	F	(cont.)	13/8	39	10' 11"	F
of foetuses:	"	41	0' 11"	F		14/8	46	14' 10"	M
2' 3"	2/7	43	2' 5"	F		"	43	15' 0"	M
	6/7	47	3' 9"	M		"	48	13' 8"	M
						15/8	45	12' 5"	M
<i>Australia.</i>	9/7	43	13' 3"	F		19/8	43	12' 4"	M
Average length	11/7	45	14' 3"	M		20/8	42	13' 3"	M
of foetuses:	12/7	45	14' 5"	F		23/8	41	12' 4"	F
12' 10"	14/7	44	14' 9"	M		24/8	49	14' 10"	F
	15/7	39	11' 3"	M		25/8	45	13' 0"	M
	"	44	13' 4"	F		26/8	43	15' 6"	F
	18/7	44	14' 0"	F		27/8	43	14' 0"	M
	20/7	42	13' 9"	M		3/8	44	14' 0"	M
	"	40	12' 6"	M		6/8	49	14' 6"	F
	22/7	46	13' 11"	M		9/8	43	14' 0"	M
	25/7	38	13' 7"	F		"	45	15' 0"	M
	26/7	48	14' 3"	F		"	49	15' 10"	M
	"	43	11' 1"	F		10/9	39	13' 0"	M
	"	44	10' 6"	F		18/9	42	11' 9"	M
	26/7	43	14' 6"	F		22/9	42	0' 1 1/4"	?
	28/7	44	13' 7"	M		23/9	47	0' 1"	?
	"	43	14' 10"	M		4/10	44	0' 3"	?
	30/7	44	14' 0"	F					
	31/7	44	12' 8"	F	<i>New Zealand.</i>	16/6	44	12' 10"	M
	"	45	12' 0"	M	Average length	20/6	41	15' 2"	F
	1/8	43	13' 9"	M	of foetuses:	21/6	42	15' 0"	M
	"	47	14' 9"	F	13' 11"	22/6	44	13' 0"	M
	3/8	41	13' 0"	F		24/6	46	10' 10"	F
	"	37	11' 8"	M		25/6	44	15' 8"	F
	"	45	15' 3"	F		27/6	45	13' 6"	F
	4/8	43	12' 3"	F		"	46	15' 5"	F
	"	44	14' 2"	F		24/7	46	15' 2"	M
	9/8	44	14' 4"	F		27/7	44	13' 6"	F
	"	44	15' 2"	F		1/8	48	13' 1"	M
	11/8	49	16' 0"	M		6/8	41	13' 8"	F
	12/8	43	14' 3"	M					

Sei-whale foetuses.

<i>Iceland.</i>	28/7	46	8' 0"	F	<i>Bering Sea</i>	19/6	47	2' 2"	M
					(cont.)	"	48	7' 2"	M
<i>British Columbia.</i>						22/6	43	5' 1"	M
Average length	30/4	47	1' 7"	M		4/7	50	7' 7"	F
of foetuses:	3/5	48	4' 0"	F		10/8	49	5' 7"	M
4' 8"	31/5	45	3' 1"	M		13/8	49	8' 7"	F
	14/7	48	2' 10"	F		21/8	51	7' 6"	F
	15/7	42	5' 3"	M					
	30/7	48	6' 0"	M	<i>Japan.</i>	11/6	46	4' 0"	M
	19/8	49	8' 10"	M	Average length	17/7	43	6' 1"	M
	"	46	6' 0"	F	of foetuses:	9/10	50	13' 0"	M
					8' 6"	13/10	44	11' 0"	F
<i>Bering Sea.</i>									
Average length	18/6	48	4' 4"	F	<i>New Zealand.</i>	19/7	46	4' 1"	M
of foetuses:	"	50	5' 11"	M					
5' 8"	"	46	2' 9"	F					

Table No. 11 (continued).

Sperm-whale foetuses.

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
<i>Natal.</i>		Engl. ft.	Engl. ft.				Engl. ft.	Engl. ft.	
Average length of foetuses: 6' 7"	12/5	35	6' 0"	M	<i>Japan</i>	28/8	36	14' 2"	F
	19/5	36	5' 0"	M	(cont.)	6/9	35	2' 10"	M
	20/5	36	4' 0"	M		13/9	36	2' 5"	F
	"	35	5' 0"	M		14/9	35	1' 7"	M
	"	35	4' 0"	F		"	34	3' 7"	F
	19/6	35	8' 0"	F		"	36	13' 2"	M
	28/6	36	8' 0"	M		18/9	36	2' 7"	F
	5/7	38	5' 0"	F		6/10	37	4' 7"	F
	17/8	36	8' 0"	M		17/10	36	5' 8"	M
	"	35	7' 0"	M		24/10	35	3' 0"	F
	"	35	9' 0"	F		27/10	35	15' 0"	F
	"	35	10' 0"	M		29/10	36	5' 2"	F
	"					"	36	13' 8"	F
<i>South Atlantic, pelagic.</i>					<i>Chile.</i>				
Average length of foetuses: 4' 0"	22/3	38	8' 0"	F	Average length of foetuses: 10' 5"	5/1	36	13' 1"	M
	24/3	38	2' 0"	M		"	36	12' 2"	F
	"	39	5' 0"	F		"	36	11' 2"	F
	"	39	4' 0"	F		"	36	10' 2"	F
	"	38	1' 0"	F		11/1	36	13' 1"	F
						"	37	14' 5"	F
<i>British Columbia.</i>						"	35	15' 1"	M
Average length of foetuses: 11' 5"	3/5	35	11' 0"	M		"	35	8' 10"	M
	13/5	36	11' 9"	M		"	35	12' 2"	F
	17/5	33	11' 5"	F		12/1	36	12' 2"	F
						15/1	36	14' 9"	F
<i>Japan.</i>						"	35	11' 6"	F
Average length of foetuses: 8' 10"	2/4	35	9' 0"	F		19/1	35	8' 6"	F
	3/4	35	8' 10"	M		3/2	36	12' 10"	F
	"	35	9' 8"	F		12/2	35	2' 7"	F
	3/5	36	8' 0"	M		3/3	38	2' 11"	F
	4/5	35	12' 0"	F		"	35	3' 3"	M
	9/5	36	9' 0"	M		"	35	12' 2"	F
	10/5	35	11' 2"	F		11/3	38	19' 8"	F
	21/5	36	12' 0"	F		15/3	36	3' 7"	F
	2/6	35	9' 1"	?		"	35	11' 6"	F
	28/6	36	11' 0"	F		6/4	36	2' 10"	M
	"	35	12' 0"	F		11/4	36	5' 11"	M
	21/7	36	15' 5"	F		3/7	36	2' 3"	M
	23/7	35	7' 3"	M		5/7	35	6' 1"	F
	8/8	35	14' 0"	M		24/11	32	11' 6"	F
	"	35	12' 0"	M		"	33	13' 1"	F
	11/8	35	9' 0"	M		3/12	31	9' 10"	M
	"	35	8' 0"	F		"	34	13' 9"	M
	21/8	35	12' 0"	M		14/12	36	11' 6"	M
	"	35	14' 0"	F		18/12	31	13' 1"	M
	25/8	35	14' 0"	F		20/12	35	11' 10"	M
	"	36	1' 7"	M		21/12	33	13' 5"	M
	26/8	35	14' 0"	F		27/12	32	13' 9"	M
	"					"	34	13' 1"	F
	27/8	36	1' 10"	M					
			1' 11"	F					

