

DET NORSKE HVALRÅDS STATISTISKE PUBLIKASJONER

INTERNATIONAL
WHALING STATISTICS

XLV

EDITED BY

THE COMMITTEE FOR WHALING STATISTICS



OSLO 1961

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PRINTED BY
GRØNDAHL & SØN, OSLO

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PREFACE

The present publication, International Whaling Statistics No. XLV, comprises the whaling operations in the Antarctic during the season 1958-59 and on grounds outside the Antarctic in the calendar year 1959.

Statistical data relating to the size of the whales killed have not been received from the following companies and grounds:

“*José Lopez Gutierrez S.A.*”, *Algeciras, Spain*,

“*Industria Ballenera S.A.*”, *Canelinas and Vigo, Spain*,

“*Macaya Hermanos y Cia*”, *Chile*, and 3 companies operating from *Peru*.

With these exceptions the statistics, to the best knowledge of the Committee, include all operations carried on in 1959.

O s l o , December 1960.

Gunnar Jahn.

Birger Bergersen.

Einar Vangstein.

INTRODUCTION

This publication comprises the world aggregate whaling results for 1959, i.e. the catch in the Antarctic during the season 1958–59 and the catch on grounds outside the Antarctic during the calendar year 1959. Detailed information about the whaling activity in the Antarctic during the season 1958–59 has been given in International Whaling Statistics No. XLIV. The present volume gives specifications of the operations on grounds outside the Antarctic in 1959.

In 1959 the following alterations took place in respect to the participation in the operations outside the Antarctic:

“*Société des Pêcheries Coloniales à la Baleine*” (*Sopecoba*) commenced whaling from a shore station at Cape Lopez, Gabon (earlier French Congo).

“*Barrier Whaling Co. Ltd.*” commenced whaling from a shore station on Great Barrier Island, New Zealand.

On the other hand “*P/F Hvalarakstur*,” Faroe Islands, was not in operation in 1959, and further there was no whaling from the station belonging to “*Den kgl. grønlandske Handel*” (The Royal Greenland Trade Department) on the west coast of Greenland.

It should also be mentioned that three of the Antarctic floating factories in 1959 caught 16 sperm-whales in the South Atlantic Ocean on their way to the Antarctic.

In 1959 whaling was carried on from the following grounds outside the Antarctic:

Africa: Natal, Cape Province, Gabon (earlier French Congo).

Brazil: Paraiba.

North Atlantic and Arctic: Azores, Madeira, Spain, Norway, Iceland, Newfoundland.

Pacific North: California, British Columbia, North Pacific Ocean and Bering Sea, Kamtchatka, Kuril Islands, Japan, Ryukyu Islands.

Other grounds: South Atlantic Ocean, Peru, Chile, Australia, New Zealand.

These whaling grounds are the same as those operated in 1958 with the exception of Gabon, the Faroe Islands and West Greenland.

The total catch of whales has increased in recent years, and the number of about 64,500 whales killed both in 1957–58 and 1958–59 is the largest ever recorded. In this survey the figures concerning the catch in the Antarctic are not analysed, the catch on the other grounds being the object of these statistics.

From table *a*, page 13, it will be seen that whaling on grounds outside the Antarctic during the year 1959 was carried on from 53 shore stations, 3 floating factories and with 164 catchers. This is the same number of floating factories, but one shore station less and 4 catchers more than in 1958. The number of shore stations operated on grounds outside the Antarctic in 1958 and 1959 were the highest ever recorded, and only in one previous season a higher number of catchers has been engaged outside the Antarctic, namely in 1951 with the maximum figure of 208 catchers.

In the survey below is recorded the number of whales killed on grounds outside the Antarctic during the period 1937/38–1958/59. 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.....	43,382	31,318	28,696	2,622	12,064	4,836	7,228
1948–49.....	44,002	31,435	27,357	4,078	12,567	7,629	4,938
1949–50.....	45,093	32,396	29,669	2,727	12,697	7,205	5,492
1950–51.....	55,812	33,997	29,029	4,968	21,815	8,502	13,313
1951–52.....	49,816	35,237	29,752	5,485	14,579	8,506	6,073
1952–53.....	44,988	30,653	28,321	2,332	14,335	7,090	7,245
1953–54.....	53,642	34,872	31,993	2,879	18,770	8,106	10,664
1954–55.....	55,062	37,654	31,864	5,790	17,408	7,605	9,803
1955–56.....	58,126	38,580	31,606	6,974	19,546	7,930	11,616
1956–57.....	59,056	36,115	31,686	4,429	22,941	8,214	14,727
1957–58.....	64,586	39,896	33,361	6,535	24,690	9,379	15,311
1958–59.....	64,489	38,890	33,238	5,652	25,599	9,953	15,646

The total catch on the grounds outside the Antarctic has increased considerably during the postwar seasons. The increase in the later years is, however, principally a result of the large catch of sperm-whales. Since the 1949-season the catch of sperm-whales outside the Antarctic has increased from about 5,000 animals in 1949 to 15,600 in 1959. The number of baleen whales killed has since 1949 varied between 7,100 and 9,900 only.

In order to be able to analyse the statistics, the figures must be studied in respect to the various grounds as well as in respect to the species of whales killed.

In the *North Atlantic and Arctic* whaling has been carried on continually during the post-war seasons from Norway, the Faroe Islands, Iceland (from 1948), and Greenland. From Faroe Islands and Greenland, however, there was no whaling in 1959. Whaling from Newfoundland and Labrador was of considerable importance during the years 1946–1951. Later the stations were closed, but whaling has been resumed on a considerably reduced scale during the last years.

The whaling operations off the coast of Norway have been reduced in recent years. (See table *i*, page 24, with post-war figures from and including 1949.) Up till 1955 4 shore stations with 11–12 catchers were active, but in 1957 and later whaling was carried on from 2 shore stations with 6 catchers only. The aggregate number of baleen whales killed as well as the number of whales killed per catcher thus declined in 1958 to 129 and 21 whales, respectively. In 1959, however, the corresponding figures increased to 184 whales and 31 whales, respectively.

The baleen whale catch off the Faroe Islands has declined since 1951. In later years the catch has varied considerably from one year to another. In 1956 49 baleen whales were killed, in 1957 142 and in 1958 17.

The catch of baleen whales off Iceland has not, according to the statistics at our disposal, shown any decline in the number of baleen whales killed. This does not, however, apply to blue-whales. From and including the summer 1955 the taking of blue-whales in the North Atlantic and Arctic was prohibited for a period of 5 years, but Denmark and Iceland have protested against this prohibition, and are thus free to kill blue-whales. The number of blue-whales killed during the years before 1955 and after that period off the Faroe Islands, Iceland and Greenland indicate that the stock is declining.

From Greenland and Newfoundland whaling in later years has been carried on with one single catcher, and it is impossible to draw any definite conclusion as to the decline of the catch or to the diminishing of the stock.

Whaling has also been carried on in the south eastern part of the Atlantic from the *Azores*, *Madeira* and *Spain* in later years (see tables *j–l*, page 25). This whaling is chiefly restricted to the catch of sperm-whales. The figures recorded for the baleen whale catch have declined.

The whaling off the *African* coast (see table *n*, page 27) during the latest seasons has been carried on off Natal and Cape Province only, Natal being the only ground continually operated in all postwar years. The catch of sperm-whales has been of considerable importance in these years. As to baleen whales, the catch of humpbacks was of major importance to the whaling off the coasts of Madagascar and French Congo. The activities off the coast of Madagascar stopped in 1950. During that year the catch of humpbacks was 711 against 1,333 in 1949. The whaling off the coast of French

Congo stopped in 1952, when the number of humpbacks killed had decreased to 265, from 1,105 in 1951. On the Congo ground the catch of sei-whales was of some importance. In 1959 whaling was resumed from this ground—now named “Gabon”—, and the number of humpbacks killed was 160. The baleen whale catch off Natal in later years has been based upon the catch of fin-whales. Next to this species comes the sei-whale. The catch of blue-whales and humpbacks has declined considerably. Whaling off the Cape Province was resumed in 1957, and the results recorded show that most of the baleen whales killed are sei-whales. Next in importance are fin-whales.

Whaling in the *Pacific North* (see table *p*, page 28) has been carried on in recent years from California, British Columbia and the Ryukyu Islands. The pelagic whaling from Bonin Island stopped in 1952. The whaling station on the coast of British Columbia has been operating in all postwar years. Most of the baleen whales killed on these grounds during the last years have been fin-whales. In some of the earlier seasons the humpbacks and sei-whales killed exceeded the number of fin-whales, but in later years the catch of the former species has declined. In 1959, however, there was an increased catch of sei-whales and also of blue-whales.

The figures for the whaling carried on from the shore stations on the coasts of *Japan* (see table *q*, page 29) show that the catch of sperm-whales has become increasingly important. The total catch of baleen whales has shown some variations from year to year, but as a whole the figures are stable. As to the number of the various species killed, the figures show a marked decline in the number of humpbacks and blue-whales. It should be emphasized that the number of sei-whales killed has increased, while the number of fin-whales killed has declined considerably during the latest seasons.

The whaling in the *North Pacific Ocean and Bering Sea* (see table *r*, page 29) has been carried on since 1955 from 2 floating factories with 13–17 catchers. During these years the catch of sperm-whales has been of great importance, the catch of fin-whales has been stable, the catch of sei-whales has risen up to and including 1958, while the blue-whale catch has been restricted to 70 animals per season.

Whaling from *Kamchatka* (see table *s*, page 29) is based on the catch of sperm-whales, the catch of baleen whales being of less importance in later years. In 1957 and 1958 one floating factory with 7 catchers and in 1959 one floating factory with 9 catchers were in operation.

Whaling off the *Kuril Islands* (see table *t*, page 30) has been carried on during the last 4 seasons from 4 shore stations and with 14–22 catchers.

The majority of the whales killed were sperm-whales, although the baleen whale catch is of some importance, including some few blue-whales. The number of blue-whales killed, however, is higher than in most waters, with exception of the number killed from the floating factories in the North Pacific.

Whaling off *Brazil* (see table *u*, page 30) is carried on from 1–2 shore stations with 2–3 catchers only, and the whales killed are almost exclusively sei-whales.

In *Peru* whaling is carried on from 2–3 shore stations (see table *v*, page 30) and the whales killed during the last 3 seasons have been exclusively sperm-whales. In former years there were also killed some baleen whales, the number of which declined rapidly from and including 1954.

In *Chile* (see table *w*, page 31) whaling has been carried on in 1958 and 1959 from 3 shore stations with 13 and 14 catchers, respectively. Most of the whales killed on the Chilean ground are sperm-whales, but the baleen whale catch has also been of some importance. During the last 3 seasons, however, the fin-whale catch has been strongly reduced, while the number of blue-whales killed has varied from 209 in 1956 to 100 in 1957, to 166 in 1958 and to 80 in 1959. Compared with the previous seasons back to 1951 there is no tendency to any decrease in this blue-whale catch.

Whaling off *Australia and New Zealand* (see tables *z* and *z*¹, page 31) is mainly restricted to humpbacks, although a few of the other species of baleen whales have been killed. In the last years also some sperm-whales have been taken.

*Table z*², page 32, 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 1958–59 were 127,019 tons and 77,795 tons, respectively. Of these quanta 78,658 tons whale meat and 41,284 tons whale meal were produced in the Antarctic.

In some tables *z*^{3–10}, pages 33–38, is recorded the catch of small whales on the various grounds outside the Antarctic during the last 6 seasons.

Annex.

Supplementary Tables to the Introduction.

Table a.—Whaling matériel in operation in the years 1937/38—1958/59.

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	362	2	34	281	14	3	81
1941-42	8	2	55	2	—	12	6	2	43
1942-43	8	2	54	1	—	6	7	2	48
1943-44	9	1	66	1	1	15	8	—	51
1944-45	9	1	66	1	1	15	8	—	51
1945-46	38	11	158	3	9	93	35	2	65
1946-47	39	20	246	3	15	147	36	5	99
1947-48	50	21	307	3	17	183	47	4	124
1948-49	49	22	348	3	18	212	46	4	136
1949-50	50	22	382	3	18	237	47	4	145
1950-51	53	26	468	3	19	260	50	7	208
1951-52	50	24	430	3	20	289	47	4	141
1952-53	53	18	379	3	16	251	50	2	128
1953-54	50	21	368	3	17	227	47	4	141
1954-55	49	22	386	3	19	254	46	3	132
1955-56	53	22	419	3	19	278	50	3	141
1956-57	52	23	395	3	20	246	49	3	149
1957-58	56	23	417	2	20	257	54	3	160
1958-59	56	23	420	3	20	256	53	3	164

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

Table b.—Whales killed in the years 1937/38—1958/59, 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
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	259	43,382
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	8,219	125	45,093
1950-51.....	7,278	22,819	4,352	3,033	18,281	49	55,812
1951-52.....	5,436	25,605	4,023	3,123	11,558	71	49,816
1952-53.....	4,218	25,581	3,328	2,208	9,577	76	44,988
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	136	55,062
1955-56.....	1,987	31,496	3,880	2,076	18,590	97	58,126
1956-57.....	1,775	31,626	3,196	3,138	19,156	165	59,058
1957-58.....	1,995	31,587	2,923	5,670	21,846	565	64,586
1958-59.....	1,442	30,942	5,055	5,539	21,298	213	64,489

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

Table c.—Whales killed in the various main areas 1937/38—1958/59.

Years.	All areas.		Antarctic.		Africa.		North Atlantic and Arctic. ¹⁾		Pacific, north. ²⁾		Japan.	
	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	3,044	5.5	750	1.4	483	0.9	1,970	3.6
1938-39.....	45,783	100	38,356	83.8	2,687	5.9	802	1.7	232	0.5	2,280	5.0
1939-40.....	37,709	100	32,900	87.3	1,035	2.7	78	0.2	249	0.7	2,035	5.4
1945-46.....	19,384	100	13,387	69.1	984	5.1	1,145	5.9	113	0.6	1,750	9.0
1946-47.....	34,820	100	25,593	73.5	1,406	4.0	1,063	3.1	402	1.2	1,642	4.7
1947-48.....	43,382	100	31,318	72.2	2,308	5.3	1,644	3.8	492	1.1	1,590	3.7
1948-49.....	44,002	100	31,435	71.4	4,966	11.3	1,575	3.6	509	1.2	1,483	3.4
1949-50.....	45,093	100	32,396	71.9	4,122	9.1	1,698	3.8	620	1.4	1,701	3.8
1950-51.....	55,812	100	33,997	60.9	4,639	8.3	1,751	3.1	817	1.5	1,962	3.5
1951-52.....	49,816	100	35,237	70.7	2,945	5.9	763	1.5	895	1.8	1,993	4.1
1952-53.....	44,988	100	30,653	68.1	1,708	3.8	903	2.0	539	1.2	2,048	4.5
1953-54.....	53,642	100	34,872	65.0	1,088	2.0	788	1.5	630	1.2	2,354	4.5
1954-55.....	55,062	100	37,654	68.4	1,310	2.4	864	1.6	630	1.1	2,387	4.3
1955-56.....	58,126	100	38,580	66.4	1,229	2.1	858	1.5	520	0.9	3,284	5.6
1956-57.....	59,056	100	36,115	61.1	2,536	4.3	979	1.7	895	1.5	3,109	5.3
1957-58.....	64,586	100	39,896	61.8	3,026	4.7	890	1.4	1,325	2.0	3,644	5.6
1958-59.....	64,489	100	38,890	60.3	3,609	5.6	606	0.9	1,402	2.2	3,580	5.5
	North Pacific Ocean and Bering Sea (pelagic).		Kamchatka and Kuril Islands.		Chile.		Peru.		Australia and New Zealand.		Others.	
1937-38.....	—	—	265	0.5	338	0.6	602	1.1	994	1.8	417	0.7
1938-39.....	—	—	476	1.0	469	1.0	—	—	81	0.2	400	0.9
1939-40.....	673	1.8 ³⁾	—	—	78	0.2	—	—	109	0.3	552	1.4
1945-46.....	—	—	466	2.4	598	3.1	—	—	110	0.5	831	4.3
1946-47.....	—	— ³⁾	—	—	851	2.4	2,890	8.3	113	0.3	860	2.5
1947-48.....	—	—	1,280	2.9	1,116	2.6	2,501	5.8	96	0.2	1,037	2.4
1948-49.....	—	—	2,015	4.6	991	2.2	—	—	334	0.7	694	1.6
1949-50.....	—	—	2,357	5.2	1,093	2.4	—	—	467	1.0	639	1.4
1950-51.....	—	—	2,583	4.6	1,094	2.0	6,414	11.5	1,335	2.4	1,220	2.2
1951-52.....	319	0.6	3,111	6.2	1,374	2.8	95	0.2	1,909	3.8	1,170	2.4
1952-53.....	701	1.6	2,879	6.4	1,198	2.7	1,340	3.0	2,110	4.7	909	2.0
1953-54.....	2,217	4.1	2,745	5.1	1,328	2.5	4,175	7.8	2,219	4.1	1,226	2.3
1954-55.....	2,652	4.8	3,031	5.5	1,298	2.4	1,887	3.4	1,966	3.6	1,383	2.5
1955-56.....	3,168	5.4	3,298	5.7	1,633	2.8	2,027	3.5	2,210	3.8	1,319	2.3
1956-57.....	3,341	5.7	3,513	5.9	2,512	4.3	2,381	4.0	2,286	3.9	1,389	2.3
1957-58.....	3,255	5.0	4,375	6.8	2,317	3.6	2,554	4.0	2,278	3.5	1,026	1.6
1958-59.....	3,352	5.2	4,146	6.4	2,233	3.5	3,400	5.3	2,131	3.3	1,140	1.8

¹⁾ Excluding Spain, Portugal, Azores, and Madeira. ²⁾ Excluding Japan, Korea, North Pacific Ocean and Bering Sea, Kamchatka, and Kuril Islands. ³⁾ No returns.

Table d—Oil production in the various main areas 1937/38—1958/59.

Years.	All areas.			Antarctic.			Africa.			North Atlantic and Arctic. ¹⁾			Pacific North. ²⁾			Japan		
	Total oil output.	%	Oil output per catcher.	Total oil output.	%	Oil output per catcher.	Total oil output.	%	Oil output per catcher.	Total oil output.	%	Oil output per catcher.	Total oil output.	%	Oil output per catcher.	Total oil output.	%	Oil output per catcher.
	Barrels. ³⁾		Barrels.	Barrels.		Barrels.	Barrels.		Barrels.	Barrels.		Barrels.	Barrels.		Barrels.	Barrels.		Barrels.
1937-38..	3,641,314	100	10,200	3,340,330	91.7	13,048	139,102	3.8	6,323	22,097	0.6	1,004	22,891	0.6	2,081	33,353	0.9	1,334
1938-39..	3,011,813	100	8,320	2,820,771	93.7	10,038	106,793	3.5	5,086	26,066	0.9	1,241	9,424	0.3	1,885	12,784	0.4	556
1946-47..	2,186,749	100	8,889	1,939,742	88.7	13,196	47,677	2.2	2,649	35,757	1.6	1,703	2,137	0.1	356	6,177	0.3	247
1947-48..	2,437,545	100	7,940	2,104,051	86.3	11,498	64,308	2.6	2,680	60,932	2.5	2,176	8,815	0.4	801	15,018	0.6	601
1948-49..	2,596,131	100	7,460	2,219,621	85.5	10,470	185,003	7.1	4,512	53,840	2.3	1,961	10,202	0.4	1,134	14,179	0.5	567
1949-50..	2,548,230	100	6,671	2,166,489	85.0	9,141	154,134	6.0	3,585	63,612	2.5	1,988	12,345	0.5	1,543	26,112	1.0	1,044
1950-51..	2,955,532	100	6,315	2,303,690	77.9	8,860	154,736	5.2	3,439	61,635	2.1	1,926	19,073	0.6	1,734	29,611	1.0	1,184
1951-52..	2,906,544	100	6,759	2,479,180	85.3	8,578	93,342	3.2	2,667	25,172	0.9	1,398	19,002	0.7	1,900	28,635	1.0	1,145
1952-53..	2,542,110	100	6,707	2,118,097	83.3	8,439	53,831	2.1	2,447	27,261	1.1	1,298	18,255	0.7	3,651	31,362	1.2	1,254
1953-54..	2,862,408	100	7,778	2,285,720	79.9	10,069	43,936	1.5	3,138	25,507	0.9	1,417	17,507	0.6	2,918	33,163	1.2	1,327
1954-55..	2,760,856	100	7,152	2,242,555	81.2	8,829	45,206	1.6	3,477	27,753	1.0	1,542	18,164	0.7	3,027	34,421	1.2	1,377
1955-56..	2,911,616	100	6,949	2,307,171	79.2	8,299	51,105	1.8	3,931	31,174	1.1	1,641	18,488	0.6	1,681	46,233	1.6	1,849
1956-57..	2,929,085	100	7,415	2,246,922	76.7	9,134	83,956	2.9	5,597	33,802	1.2	1,988	28,386	1.0	2,581	44,427	1.5	1,777
1957-58..	3,048,969	100	7,312	2,317,638	76.0	9,018	89,401	2.9	5,588	32,971	1.1	2,061	34,943	1.2	2,330	60,966	2.0	2,439
1958-59..	2,914,647	100	6,940	2,152,659	73.9	8,409	102,370	3.5	5,687	24,153	0.8	2,196	38,536	1.3	2,267	52,648	1.8	2,194
	North Pacific Ocean and Bering Sea (pelagic).			Kamchatka and Kuril Islands.			Chile.			Peru.			Australia and New Zealand.			Others.		
1937-38..	-	-	-	9,102	0.3	3,034	9,345	0.3	-	12,869	0.4	1,609	44,941	1.2	4,993	7,284	0.2	.
1938-39..	-	-	-	18,854	0.6	6,285	7,512	0.2	1,502	-	-	2,689	0.1	896	6,920	0.3	.	
1946-47..	-	-	-	⁴⁾ -	-	-	25,036	1.1	4,173	105,986	4.8	7,066	3,865	0.2	966	20,372	1.0	.
1947-48..	-	-	-	39,602	1.6	2,829	28,522	1.2	4,075	88,205	3.6	12,601	3,929	0.2	982	24,163	1.0	.
1948-49..	-	-	-	59,218	2.3	4,230	23,382	0.9	3,340	-	-	-	11,576	0.4	2,315	14,110	0.6	.
1949-50..	-	-	-	62,049	2.4	3,878	30,231	1.2	4,319	-	-	-	19,338	0.8	2,763	13,920	0.6	.
1950-51..	-	-	-	72,712	2.5	4,040	30,993	1.0	3,099	197,524	6.7	3,873	60,572	2.0	6,730	24,986	1.0	.
1951-52..	13,606	0.5	3,402	86,269	3.0	5,075	35,406	1.2	3,541	1,941	0.1	1,941	96,630	3.3	7,433	27,361	0.8	.
1952-53..	29,123	1.1	7,281	84,079	3.3	4,671	30,169	1.2	3,771	22,108	0.9	3,685	106,751	4.2	8,896	21,074	0.9	.
1953-54..	103,218	3.6	10,322	85,658	3.0	4,759	27,885	1.0	2,324	104,168	3.6	5,483	109,335	3.8	9,111	26,311	0.9	.
1954-55..	111,917	4.1	8,609	82,227	3.0	4,568	36,108	1.3	2,778	31,335	1.1	5,223	101,397	3.7	8,450	29,773	1.1	.
1955-56..	146,600	5.0	10,471	94,820	3.3	4,515	41,751	1.4	3,479	32,604	1.1	5,434	110,932	3.8	7,395	30,738	1.1	.
1956-57..	148,824	5.1	9,922	101,697	3.5	4,843	44,688	1.5	3,438	45,745	1.6	5,718	116,709	4.0	7,294	33,929	1.0	.
1957-58..	145,436	4.8	9,696	122,491	4.0	4,224	48,301	1.6	3,715	56,315	1.8	7,039	116,080	3.8	7,255	24,422	0.8	.
1958-59..	160,224	5.5	9,425	128,172	4.4	4,578	44,851	1.5	3,204	74,785	2.6	9,348	110,649	3.8	5,824	25,600	0.9	.

¹⁾ Excluding Spain, Portugal, Azores and Madeira. ²⁾ Excluding Japan, Korea, North Pacific Ocean and Bering Sea, Kamchatka and Kuril Islands. ³⁾ Barrel = 170 kg. (Barrel = abt. 1/4 long ton.) ⁴⁾ No returns.

Table e.—Whaling results for the various countries in the
Number of whales killed.

Years.	All countries.	Argentina.	Australia.	Brazil.	Canada.	Chile.	Denmark.	France.	Germany.	Iceland.	Japan.
<i>Absolute figures:</i>											
1937-38..	54,902	1,062	—	—	310	338	208	—	5,839	147	7,552
1938-39..	45,783	1,024	—	—	—	469	178	—	5,066	130	9,820
1939-40..	37,709	705	—	—	220	78	—	—	—	—	9,698
1945-46..	19,384	1,082	—	—	179	598	175	—	—	—	1,863
1946-47..	34,820	857	2	25	157	851	284	—	—	—	3,181
1947-48..	43,382	814	4	36	480	1,116	302	—	—	239	3,157
1948-49..	44,002	919	193	38	448	991	335	—	—	324	3,331
1949-50..	45,093	946	388	128	469	1,093	478	2,193	—	265	4,121
1950-51..	55,812	796	1,224	179	646	1,094	387	4,079	—	339	5,043
1951-52..	49,816	798	1,787	168	467	1,374	44	436	—	265	6,578
1952-53..	44,988	678	2,001	175	540	1,198	190	—	—	332	5,394
1953-54..	53,642	1,083	2,039	202	630	1,328	62	—	—	334	8,789
1954-55..	55,062	947	1,854	213	632	1,298	196	—	—	400	10,997
1955-56..	58,126	812	2,051	217	397	1,633	190	—	—	440	12,914
1956-57..	59,056	1,108	2,100	122	677	2,512	250	—	—	517	14,614
1957-58..	64,586	1,860	2,095	128	840	2,317	94	—	—	508	18,662
1958-59..	64,489	923	1,811	315	889	2,233	—	178	—	371	19,490
<i>Percentage figures:</i>											
	%	%	%	%	%	%	%	%	%	%	%
1937-38..	100.0	1.9	—	—	0.6	0.6	0.4	—	10.6	0.3	13.8
1938-39..	100.0	2.2	—	—	—	1.0	0.4	—	11.1	0.3	21.5
1939-40..	100.0	1.9	—	—	0.6	0.2	—	—	—	—	25.7
1945-46..	100.0	5.6	—	—	0.9	3.1	0.9	—	—	—	9.6
1946-47..	100.0	2.5	—	0.1	0.5	2.4	0.8	—	—	—	9.1
1947-48..	100.0	1.9	—	0.1	1.1	2.6	0.7	—	—	0.6	7.3
1948-49..	100.0	2.1	0.4	0.1	1.0	2.2	0.8	—	—	0.7	7.6
1949-50..	100.0	2.1	0.9	0.3	1.0	2.4	1.1	4.9	—	0.6	9.1
1950-51..	100.0	1.4	2.2	0.3	1.2	2.0	0.7	7.3	—	0.6	9.0
1951-52..	100.0	1.6	3.6	0.3	0.9	2.8	0.1	0.9	—	0.5	13.2
1952-53..	100.0	1.5	4.4	0.4	1.2	2.7	0.4	—	—	0.7	12.0
1953-54..	100.0	2.0	3.8	0.4	1.2	2.5	0.1	—	—	0.6	16.4
1954-55..	100.0	1.7	3.4	0.4	1.1	2.4	0.3	—	—	0.7	20.0
1955-56..	100.0	1.4	3.5	0.4	0.7	2.8	0.3	—	—	0.8	22.2
1956-57..	100.0	1.9	3.6	0.2	1.1	4.3	0.4	—	—	0.9	24.8
1957-58..	100.0	2.9	3.2	0.2	1.3	3.6	0.1	—	—	0.8	28.9
1958-59..	100.0	1.4	2.8	0.5	1.4	3.5	—	0.3	—	0.6	30.2

¹⁾ Including the catch of two Norwegian expeditions hired by Germany—in 1937/38 2,158 whales, and

years 1937/38—1939/40, and 1945/46—1958/59. All areas.

Number of whales killed.

Years.	Netherlands	New Zealand.	Norway.	Panama.	Peru.	Portugal.	Spain.	Union of South Africa.	United Kingdom.	United States of America.	U.S.S.R.
<i>Absolute figures:</i>											
1937-38..	-	77 ¹⁾	15,355	1,527	-	417	-	5,869	13,286	2,650	265
1938-39..	-	81 ¹⁾	11,871	907	-	400	-	3,857	10,166	1,338	476
1939-40..	-	109	11,040	1,421	-	552	-	2,925	9,953	1,008	-
1945-46..	-	110	7,687	-	-	831	-	984	5,409	-	466
1946-47..	770	111	12,857	-	-	835	-	3,972	10,494	38	386
1947-48..	1,294	92	16,104	-	-	1,001	47	5,115	11,410	67	2,104
1948-49..	1,366	141	16,570	1,356	-	656	134	4,749	9,280	49	3,122
1949-50..	1,295	79	17,234	-	-	481	146	3,695	8,151	-	3,931
1950-51..	1,660	111	18,024	4,021	61	1,658	236	5,314	6,626	40	4,274
1951-52..	1,650	122	16,102	1,408	95	785	274	4,946	6,938	-	5,579
1952-53..	1,575	109	11,620	2,365	1,340	637	128	4,137	6,964	-	5,605
1953-54..	1,711	180	15,320	2,348	1,827	807	282	3,249	7,620	-	5,831
1954-55..	848	112	14,796	2,512	1,887	839	292	3,006	7,912	-	6,321
1955-56..	1,665	159	14,716	2,854	2,027	705	273	3,413	7,444	145	6,071
1956-57..	1,434	186	15,241	-	2,381	842	301	4,132	6,266	260	6,113
1957-58..	1,867	183	13,527	-	2,554	701	181	3,026	7,080	551	8,412
1958-59..	2,226	320	14,296	-	3,400	572	237	3,431	5,431	533	7,833
<i>Percentage figures:</i>	%	%	%	%	%	%	%	%	%	%	%
1937-38..	-	0.1	28.0	2.8	-	0.7	-	10.7	24.2	4.8	0.5
1938-39..	-	0.2	25.9	2.0	-	0.9	-	8.4	22.2	2.9	1.0
1939-40..	-	0.3	29.3	3.8	-	1.4	-	7.7	26.4	2.7	-
1945-46..	-	0.6	39.7	-	-	4.2	-	5.1	28.0	-	2.3
1946-47..	2.2	0.3	36.9	-	-	2.4	-	11.4	30.2	0.1	1.1
1947-48..	3.0	0.2	37.1	-	-	2.3	0.1	11.8	26.3	0.1	4.8
1948-49..	3.1	0.3	37.7	3.1	-	1.4	0.3	10.8	21.2	0.1	7.1
1949-50..	2.9	0.2	38.2	-	-	1.0	0.3	8.2	18.1	-	8.7
1950-51..	3.0	0.2	32.3	7.2	0.1	2.9	0.4	9.5	11.9	0.1	7.7
1951-52..	3.3	0.3	32.3	2.8	0.2	1.6	0.6	9.9	13.9	-	11.2
1952-53..	3.5	0.2	25.8	5.3	3.0	1.4	0.3	9.2	15.5	-	12.5
1953-54..	3.2	0.3	28.5	4.4	3.4	1.5	0.5	6.1	14.2	-	10.9
1954-55..	1.5	0.2	26.9	4.6	3.4	1.5	0.5	5.5	14.4	-	11.5
1955-56..	2.9	0.3	25.3	4.9	3.5	1.2	0.5	5.9	12.8	0.2	10.4
1956-57..	2.4	0.3	25.8	-	4.0	1.4	0.5	7.0	10.6	0.4	10.4
1957-58..	2.9	0.3	20.9	-	4.0	1.1	0.3	4.7	11.0	0.8	13.0
1958-59..	3.4	0.5	22.2	-	5.3	0.9	0.4	5.3	8.4	0.8	12.1

in 1938/39 1.658 whales.

Table f.—Whaling results for the various countries in the
Oil production in barrels.¹⁾

Years.	All countries.	Argentina.	Australia.	Brazil.	Canada.	Chile.	Denmark.	France.	Germany.	Iceland.	Japan.
<i>Absolute figures:</i>											
1937-38..	3,641,314	51,766	—	—	13,157	9,345	6,101	—	369,727	4,920	422,036
1938-39..	3,011,813	66,826	—	—	—	7,512	5,197	—	374,149	3,764	496,260
1939-40..	2,668,756	39,432	—	—	8,700	2,234	—	—	—	—	593,499
1945-46..	948,715	45,028	—	—	7,200	17,861	3,981	—	—	—	5,837
1946-47..	2,186,749	47,830	40	835	6,600	25,036	6,286	—	—	—	80,244
1947-48..	2,437,545	44,965	65	1,060	17,385	28,522	10,277	—	—	9,000	120,716
1948-49..	2,596,131	52,518	5,738	1,251	16,347	23,382	10,026	—	—	11,820	134,408
1949-50..	2,548,230	41,348	16,494	2,132	14,951	30,231	13,776	98,660	—	12,292	197,613
1950-51..	2,955,532	40,593	56,090	2,925	22,105	30,993	9,303	145,721	—	14,012	203,489
1951-52..	2,906,544	41,825	91,830	2,171	16,290	35,406	817	16,485	—	9,524	304,499
1952-53..	2,542,110	32,187	102,191	2,837	18,294	30,169	4,834	—	—	10,124	267,820
1953-54..	2,862,408	53,478	100,515	3,636	17,507	27,885	1,419	—	—	10,506	389,058
1954-55..	2,760,856	50,568	96,377	3,530	18,241	36,108	6,164	—	—	13,229	513,253
1955-56..	2,911,616	43,376	104,607	3,596	13,595	41,751	6,402	—	—	17,141	601,686
1956-57..	2,929,085	51,330	108,069	1,300	21,001	44,688	7,380	—	—	18,800	688,212
1957-58..	3,048,969	94,199	107,845	2,524	23,753	48,301	3,475	—	—	20,335	834,251
1958-59..	2,914,647	39,430	94,311	4,736	23,522	44,851	—	8,280	—	15,511	859,002
<i>Percentage figures:</i>											
	%	%	%	%	%	%	%	%	%	%	%
1937-38..	100.0	1.4	—	—	0.4	0.3	0.2	—	10.2	0.1	11.6
1938-39..	100.0	2.2	—	—	—	0.2	0.2	—	12.4	0.1	16.5
1939-40..	100.0	1.5	—	—	0.3	0.1	—	—	—	—	22.2
1945-46..	100.0	4.7	—	—	0.8	1.9	0.4	—	—	—	0.6
1946-47..	100.0	2.2	—	—	0.3	1.1	0.3	—	—	—	3.7
1947-48..	100.0	1.8	—	—	0.7	1.2	0.4	—	—	0.4	5.0
1948-49..	100.0	2.0	0.2	—	0.6	0.9	0.4	—	—	0.5	5.2
1949-50..	100.0	1.6	0.6	0.1	0.6	1.2	0.5	3.9	—	0.5	7.8
1950-51..	100.0	1.4	1.9	0.1	0.7	1.0	0.3	4.9	—	0.5	6.9
1951-52..	100.0	1.4	3.2	0.1	0.6	1.2	—	0.6	—	0.3	10.5
1952-53..	100.0	1.3	4.0	0.1	0.7	1.2	0.2	—	—	0.4	10.5
1953-54..	100.0	1.9	3.5	0.1	0.6	1.0	0.1	—	—	0.4	13.6
1954-55..	100.0	1.8	3.5	0.1	0.7	1.3	0.2	—	—	0.5	18.6
1955-56..	100.0	1.5	3.6	0.1	0.5	1.4	0.2	—	—	0.6	20.7
1956-57..	100.0	1.8	3.7	0.1	0.7	1.5	0.3	—	—	0.6	23.5
1957-58..	100.0	3.1	3.5	0.1	0.8	1.6	0.1	—	—	0.7	27.4
1958-59..	100.0	1.4	3.2	0.2	0.8	1.5	—	0.3	—	0.5	29.5

¹⁾ Barrel = 170 kg. (Barrel = abt. $\frac{1}{4}$ long ton, 1 long ton = 1,016 kg.) ²⁾ The figures include the catch

years 1937/38—1939/40 and 1945/46—1958/59. All areas.

Oil production in barrels.¹⁾

Years.	Nether-lands.	New Zealand.	Norway.	Pana ma.	Peru.	Portugal.	Spain.	Union of South Africa.	United Kingdom.	United States of America.	U.S.S.R.
<i>Absolute figures:</i>											
1937-38..	—	2,391	²⁾ 1,169,069	117,650	—	7,284	—	332,775	959,692	166,299	9,102
1938-39..	—	2,689	²⁾ 853,867	68,853	—	6,920	—	207,738	796,796	102,388	18,854
1939-40..	—	3,909	909,790	113,000	—	10,047	—	159,329	766,209	62,607	—
1945-46..	—	4,184	536,803	—	—	16,016	—	30,552	265,112	—	16,141
1946-47..	77,310	3,825	991,709	—	—	19,537	—	252,556	638,576	1,365	35,000
1947-48..	85,130	3,864	1,064,313	—	—	23,103	956	242,187	685,650	2,350	98,002
1948-49..	109,849	5,838	1,119,514	56,720	—	12,859	2,009	226,419	673,387	1,493	132,553
1949-50..	82,792	2,844	1,122,466	—	—	11,100	2,482	198,978	534,629	—	165,442
1950-51..	103,560	4,482	1,150,728	198,532	2,015	41,346	4,529	250,946	490,199	1,358	182,606
1951-52..	110,300	4,800	1,151,404	97,073	1,941	20,224	5,787	261,998	500,254	—	233,916
1952-53..	103,710	4,560	826,243	164,150	22,108	15,814	2,960	203,749	491,012	—	239,348
1953-54..	97,596	8,820	1,041,389	73,000	31,168	19,283	4,375	190,224	537,774	—	254,775
1954-55..	64,739	5,020	878,359	147,880	31,335	20,158	5,250	145,015	471,315	—	254,315
1955-56..	103,465	6,325	859,246	164,778	32,604	18,843	4,481	160,644	474,760	5,760	248,556
1956-57..	94,193	8,640	1,011,085	—	45,745	21,374	6,247	170,542	381,931	9,145	239,403
1957-58..	116,497	8,235	861,806	—	56,315	17,173	4,310	89,401	400,705	12,775	347,069
1958-59..	126,488	16,338	834,143	—	74,785	15,295	5,260	94,090	293,760	15,759	349,086
<i>Percentage figures:</i>											
	%	%	%	%	%	%	%	%	%	%	%
1937-38..	—	0.1	32.1	3.2	—	0.2	—	9.1	26.3	4.6	0.2
1938-39..	—	0.1	28.4	2.3	—	0.2	—	6.9	26.5	3.4	0.6
1939-40..	—	0.2	34.1	4.2	—	0.4	—	6.0	28.7	2.3	—
1945-46..	—	0.4	56.6	—	—	1.7	—	3.2	28.0	—	1.7
1946-47..	3.5	0.2	45.4	—	—	0.9	—	11.5	29.2	0.1	1.6
1947-48..	3.5	0.2	43.7	—	—	1.0	—	9.9	28.1	0.1	4.0
1948-49..	4.2	0.2	43.1	2.2	—	0.5	0.1	8.7	26.0	0.1	5.1
1949-50..	3.2	0.1	44.1	—	—	0.4	0.1	7.8	21.0	—	6.5
1950-51..	3.5	0.1	38.9	6.7	0.1	1.4	0.2	8.5	16.6	0.1	6.2
1951-52..	3.8	0.2	39.6	3.3	0.1	0.7	0.2	9.0	17.2	—	8.0
1952-53..	4.1	0.2	32.5	6.5	0.9	0.6	0.1	8.0	19.3	—	9.4
1953-54..	3.4	0.3	36.4	2.5	1.1	0.7	0.1	6.6	18.8	—	8.9
1954-55..	2.3	0.2	31.8	5.4	1.1	0.7	0.2	5.3	17.1	—	9.2
1955-56..	3.6	0.2	29.5	5.7	1.1	0.6	0.2	5.5	16.3	0.2	8.5
1956-57..	3.2	0.3	34.5	—	1.6	0.7	0.2	5.8	13.0	0.3	8.2
1957-58..	3.8	0.3	28.3	—	1.8	0.6	0.1	2.9	13.1	0.4	11.4
1958-59..	4.3	0.6	28.6	—	2.6	0.5	0.2	3.2	10.1	0.5	12.0

of two Norwegian expeditions hired by Germany—in 1937/38 180,750 barrels, and in 1938/39 118,383 barrels.

Table g.—Sperm-oil production in the years 1938/39 and 1952/53—1958/59.

Grounds.	¹⁾ 1938-39	1952-53	1953-54	1954-55	1955-56	1956-57	1957-58	1958-59	
	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	
South Georgia	6,971	6,640	8,677	4,154	4,119	3,907	10,723	10,305	
Antarctic, pelagic	144,775	113,887	135,890	281,722	337,739	214,893	301,059	251,794	
Africa:—									
Natal	16,083	12,371	14,858	16,447	15,007	22,412	21,701	22,866	
Cape Province	—	6,794	—	—	—	11,159	13,750	14,900	
Madagascar	1,291	—	—	—	—	—	—	—	
Gabon ²⁾	—	—	—	—	—	—	—	230	
Spanish Morocco	—	216	625	—	—	—	—	—	
South Atlantic, pelagic	—	—	—	⁴⁾ 835	⁴⁾ 3,738	⁴⁾ 2,554	⁴⁾ 415	⁴⁾ 309	
Brazil: Paraíba	—	45	45	15	51	35	144	86	
North Atlantic and Arctic:—									
Azores	6,920	12,661	16,761	15,871	14,244	16,536	13,958	12,148	
Madeira	—	3,079	2,479	4,287	4,568	4,730	3,215	3,052	
Spain	—	895	1,505	3,075	3,873	5,203	3,533	3,980	
Portugal	—	—	—	—	—	—	—	—	
Norway	737	2,343	4,776	2,070	2,930	1,337	3,968	1,271	
Scotland	—	—	—	—	—	—	—	—	
Faroe Islands	558	1,916	452	3,245	4,430	2,636	2,093	—	
Iceland	183	2,630	2,894	1,100	5,676	5,065	7,682	7,617	
West Greenland	—	³⁾ 112	224	396	567	1,035	664	—	
Newfoundland	840	—	—	—	598	760	285	82	
Pacific North:—									
California	—	—	—	—	232	529	241	457	
British Columbia	—	9,829	7,738	11,284	4,697	5,957	3,086	7,394	
Alaska	2,655	—	—	—	—	—	—	—	
Bering Sea	—	—	23,882	47,905	73,994	76,442	75,430	84,806	
Kamtschatka	7,904	35,316	26,929	35,369	37,565	44,720	58,370	68,621	
Kuril Islands	—	34,525	35,082	36,324	40,374	40,525	49,426	41,562	
Japan	10,961	23,722	26,568	25,580	36,051	37,614	51,050	40,484	
Bonin Island, pelagic	—	—	—	—	—	—	—	—	
Ryukyu Islands	—	—	—	—	—	—	—	127	
Indian Ocean	—	—	—	—	—	⁴⁾ 742	—	—	
South Pacific Ocean	—	—	—	—	—	⁴⁾ 1,712	—	—	
Peru	—	20,474	102,925	30,667	32,441	45,745	56,315	74,781	
Chile	5,928	16,510	17,194	18,929	25,517	38,169	37,478	38,801	
Australia and New Zealand ..	—	—	—	243	2,699	5,334	10,598	5,906	
Total	205,806	303,965	429,504	539,518	651,110	589,651	725,184	691,579	
<i>Of which produced by:</i>									
Norway	{ In Antarctic	65,976	29,806	35,252	139,729	132,469	99,666	121,704	88,354
	{ Outside "	737	2,343	4,776	2,905	2,930	2,187	4,383	1,480
United Kingdom	{ In Antarctic	16,729	56,165	50,498	56,902	65,795	29,149	40,514	40,535
	{ Outside "	840	—	—	—	—	—	—	100
Union of South Africa	{ In Antarctic	1,711	9,566	8,320	16,978	28,860	4,019	—	—
	{ Outside "	17,374	19,165	14,858	16,447	15,007	33,571	35,451	37,766
Japan	{ In Antarctic	35,797	6,747	31,853	51,894	69,964	72,870	105,745	95,842
	{ Outside "	10,961	23,722	50,450	73,485	110,045	116,510	126,480	125,290
U.S.S.R.	{ In Antarctic	—	4,190	9,788	10,029	10,565	6,571	24,880	20,374
	{ Outside "	7,904	69,841	62,011	71,693	77,939	85,245	107,796	110,183
Netherlands ..	{ In Antarctic	—	1,920	6,957	6,404	18,272	4,846	12,656	13,784
	{ Outside "	—	—	—	—	—	1,704	—	—
Panama	{ In Antarctic	3,078	9,200	—	2,190	14,540	—	—	—
	{ Outside "	—	—	73,000	—	3,738	—	—	—
Argentina	{ In Antarctic	4,942	2,933	1,899	1,750	1,393	1,579	6,283	3,210
Canada	{ Outside "	—	9,829	7,738	11,284	5,295	6,717	3,371	7,476
Portugal	{ Outside "	6,920	15,740	19,240	20,158	18,812	21,266	17,173	15,200

(Cont. on next page.)

¹⁾ 1938-39 = Antarctic season 1938-39 and summer 1939, a.s.o. ²⁾ In earlier publications French Congo.
³⁾ Calculated. ⁴⁾ Produced by floating factories on their voyage to and from the Antarctic.

Table g (cont.)

Grounds	¹⁾ 1938-39	1952-53	1953-54	1954-55	1955-56	1956-57	1957-58	1958-59
Australia . . . Outside Antarctic	—	—	—	243	2,624	5,334	10,598	5,906
Spain Outside	—	—	—	—	—	—	—	—
Antarctic	—	1,111	2,130	3,075	3,873	5,203	3,533	3,980
Denmark Outside "	558	2,028	676	3,641	4,997	3,671	2,757	—
Iceland Outside "	183	2,630	2,894	1,100	5,676	5,065	7,682	7,617
Peru Outside "	—	20,474	29,925	30,667	32,441	45,745	56,315	74,781
Chile Outside "	5,928	16,510	17,194	18,929	25,517	38,169	37,478	38,801
Other countries { In Antarctic	²⁾ 23,513	—	—	—	—	—	—	—
{ Outside "	2,655	45	45	15 ³⁾	358 ⁴⁾	564 ⁵⁾	385 ⁶⁾	900

¹⁾ 1938-39 = Antarctic season 1938-39 and summer 1939 a.s.o. ²⁾ Of which 23,281 barrels produced by Germany and 232 barrels by U.S.A. ³⁾ Of which 51 barrels by Brazil, 232 by U.S.A., and 75 barrels by New Zealand. ⁴⁾ Of which 529 barrels by U.S.A., and 35 barrels by Brazil. ⁵⁾ U.S.A. 241 barrels and Brazil 144 barrels. ⁶⁾ U.S.A. 584 barrels, France 230 barrels and Brazil 86 barrels.

Table h.—Average size of whales killed in the different grounds in the years 1938 and 1953 to 1959.

Species of whales and whaling grounds.	1959	1958	1957	1956	1955	1954	1953	1938
Blue-whales.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
Antarctic:—								
South Georgia	64.00	74.50	71.71	81.33	73.00	73.31	74.00	70.89
Pelagic whaling	78.28	77.14	77.01	77.29	77.76	77.97	77.53	78.42
Africa:—								
Natal	71.67	70.33	68.40	72.40	66.83	70.30	70.40	67.00
Cape Province	—	68.25	73.50	—	—	—	66.25	—
Spanish Morocco	—	—	—	—	—	64.80	—	—
North Atlantic and Arctic:								
Norway	—	—	—	—	71.00	71.50	67.29	—
Faroe Islands	—	—	—	—	68.00	—	70.00	68.00
Iceland	73.83	67.40	71.00	69.13	69.30	71.11	66.80	—
West Greenland	—	—	78.00	73.00	92.00	—	75.00	—
Pacific North:—								
California	70.20	72.15	—	—	—	—	—	—
British Columbia	71.54	72.13	75.00	74.64	72.36	74.18	69.88	—
Bering Sea	78.19	76.60	77.19	77.64	74.25	76.96	75.99	—
Kamtschatka	76.95	—	72.78	74.57	75.94	74.00	74.64	—
Kuril Islands	74.00	75.64	73.58	75.69	75.37	74.39	73.80	—
Japan	73.80	68.71	71.00	71.29	71.10	73.81	70.36	—
Chile	75.02	73.68	72.68	72.90	73.31	75.10	74.11	—
Australia	68.67	71.00	—	—	—	67.00	—	—
Fin-whales.								
Antarctic:—								
South Georgia	65.89	66.06	63.81	65.00	64.75	64.04	65.43	64.52
Pelagic whaling	66.30	66.24	66.89	66.54	66.53	67.09	67.27	67.86
Africa:—								
Natal	60.55	60.80	61.37	61.21	61.27	61.37	60.62	60.14
Cape Province	59.59	61.05	60.53	—	—	—	60.05	—
Spanish Morocco	—	—	—	—	—	57.50	61.22	—
Brazil, Paraiba	—	69.00	—	72.00	—	—	—	—
North Atlantic and Arctic:								
Madeira	—	—	58.00	—	—	—	—	—
Spain	—	—	—	—	—	—	58.72	—

Table h (cont.).

Species of whales and whaling grounds.	1959	1958	1957	1956	1955	1954	1953	1938
	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
Norway	60.46	59.31	58.93	59.23	57.89	59.20	59.48	} 62.08
Faroe Islands	—	59.19	59.57	59.79	58.95	58.00	59.90	
Iceland	60.51	59.54	59.13	58.94	59.43	58.56	57.30	
West Greenland	—	62.13	61.24	62.71	60.86	59.77	60.73	
Newfoundland	56.79	58.07	60.57	60.29	57.50	—	57.00	
Pacific North:—								
California	61.07	61.28	61.59	58.33	—	—	—	—
British Columbia	58.15	59.20	59.11	57.42	57.76	57.19	58.57	—
Bering Sea	61.98	61.29	61.44	61.20	61.46	61.94	61.79	—
Kamtschatka	61.42	61.64	61.60	61.68	61.12	60.67	60.78	—
Kuril Islands	60.93	61.64	61.73	62.78	61.37	60.06	60.66	—
Japan	56.15	56.15	56.22	56.97	57.22	56.47	56.91	—
Peru	—	—	—	51.00	—	—	—	—
Chile	57.86	56.51	54.55	54.46	54.38	57.23	55.87	—
Australia	50.00	—	—	67.00	—	—	63.00	—
Humpbacks.								
Antarctic:—								
South Georgia	—	—	—	—	40.00	39.36	40.11	41.53
Pelagic whaling	39.95	41.52	41.43	39.99	41.05	40.34	40.94	41.07
Africa:—								
Natal	39.05	38.38	38.41	38.03	39.29	37.41	37.82	36.41
Cape Province	39.57	44.50	39.00	—	—	—	41.00	—
Gabon ¹⁾	39.88	—	—	—	—	—	—	—
Brazil:—								
Paraiba	41.75	43.20	—	41.50	43.00	40.39	39.50	—
Santa Catarina	—	—	—	—	39.00	—	—	—
North Atlantic and Arctic:								
Madeira	—	—	38.00	—	—	—	—	—
Norway	—	—	—	—	42.00	39.83	43.75	—
Faroe Islands	—	—	40.00	46.33	—	—	39.00	—
Iceland	—	—	—	—	—	44.00	38.50	—
West Greenland	—	—	—	—	—	—	37.00	—
Newfoundland	—	41.00	—	—	—	—	—	—
Pacific North:—								
California	39.99	41.27	40.74	40.89	—	—	—	—
British Columbia	40.04	40.83	40.73	40.11	39.08	39.68	39.26	—
Bering Sea	—	41.54	—	40.27	39.88	40.96	41.29	—
Kamtschatka	40.86	40.30	40.98	39.23	40.49	38.90	40.00	—
Kuril Islands	38.00	39.25	39.00	39.10	44.87	41.25	42.83	—
Japan	41.75	44.25	38.60	41.57	39.22	39.63	41.13	—
Bonin Island	—	—	—	—	—	—	—	—
Ryukyu Islands	40.24	38.85	40.22	—	—	—	—	—
Peru	—	—	—	38.00	—	—	—	—
Chile	—	—	41.00	—	45.00	—	44.00	—
Australia	40.45	40.95	40.84	41.21	40.90	39.90	40.01	—
New Zealand	40.36	40.62	40.37	40.59	40.54	40.28	41.32	—
Sei-whales.								
Antarctic:—								
South Georgia	49.75	50.05	49.50	49.95	50.00	49.25	50.11	49.94
Pelagic whaling	50.83	50.33	50.38	50.42	46.48	49.20	51.62	51.00
Africa:—								
Natal	44.13	44.05	43.20	41.91	43.78	43.94	43.21	—
Cape Province	45.72	45.12	45.81	—	—	—	44.42	—
Gabon ¹⁾	44.75	—	—	—	—	—	—	—
Spanish Morocco	—	—	—	—	—	51.29	50.22	—
South Atlantic, pelagic:—								
Brazil:—								
Paraiba	50.29	50.53	50.93	49.94	50.31	50.68	49.69	—

¹⁾ In earlier publications French Congo.

Table h (cont.).

Species of whales and whaling grounds.	1959	1958	1957	1956	1955	1954	1953	1938
	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
Santa Catarina	—	—	—	—	47.00	—	—	—
North Atlantic and Arctic:								
Spain	—	—	—	—	—	—	41.33	—
Norway	46.25	42.83	35.00	44.94	44.30	44.65	40.63	—
Faroe Islands	—	41.00	—	44.33	42.36	43.33	40.78	—
Iceland	44.01	43.33	42.68	44.13	42.99	42.27	43.49	—
West Greenland	—	—	50.00	45.00	51.67	—	—	—
Newfoundland	43.00	—	49.80	48.50	—	—	—	—
Pacific North:—								
California	45.74	46.50	51.00	—	—	—	—	—
British Columbia	43.94	44.49	44.47	44.16	44.23	43.84	46.29	—
Bering Sea	49.00	47.08	46.61	46.36	47.89	47.11	47.06	—
Kamtschatka	47.04	47.79	50.28	49.69	47.10	48.73	50.36	—
Kuril Islands	47.05	46.52	45.63	46.55	47.22	48.09	46.11	—
Japan	42.48	42.41	42.40	41.54	42.69	42.55	43.10	—
Bonin Island	—	—	—	—	—	—	—	—
Chile	38.67	45.93	44.26	42.71	42.17	45.50	44.63	—
New Zealand	45.00	—	43.50	44.00	—	—	—	—
<u>Sperm-whales.</u>								
Antarctic:—								
South Georgia	46.47	47.12	45.69	46.83	48.72	46.97	46.72	50.53
Pelagic whaling	47.20	47.52	48.67	48.39	48.91	49.20	49.90	53.27
Africa:—								
Natal	38.57	39.66	40.03	40.72	39.54	43.57	42.72	42.12
Cape Province	37.64	36.89	39.41	—	—	—	39.19	—
Gabon ¹⁾	35.14	—	—	—	—	—	—	—
Spanish Morocco	—	—	—	—	—	35.12	35.69	—
South Atlantic, pelagic	38.31	43.50	41.68	40.99	38.38	—	—	—
Brazil:—								
Paraiba	40.00	44.75	35.50	41.00	40.00	49.00	54.00	—
North Atlantic and Arctic:								
Azores	37.16	37.83	37.39	38.99	—	—	—	—
Madeira	44.30	34.53	39.23	39.57	—	—	—	—
Spain	—	—	—	—	—	—	38.32	—
Norway	48.61	48.36	48.03	48.47	46.73	49.63	49.73	—
Faroe Islands	—	49.80	46.40	47.12	46.83	49.45	46.27	—
Iceland	50.85	51.70	51.78	50.85	48.65	48.70	48.98	53.15
West Greenland	—	50.69	51.50	55.21	52.56	50.11	48.50	—
Newfoundland	54.00	47.29	55.71	51.62	—	—	—	—
Pacific North:—								
California	42.59	45.75	44.43	43.22	—	—	—	—
British Columbia	40.31	39.71	40.89	41.56	42.48	42.61	42.96	—
Bering Sea	45.72	46.05	44.79	45.55	42.99	47.52	—	—
Kamtschatka	45.64	44.75	44.46	43.65	45.59	44.40	44.20	—
Kuril Islands	38.65	38.13	39.02	39.71	38.35	40.33	38.71	—
Japan	36.49	36.47	36.31	36.70	36.92	37.43	37.88	—
Ryukyu Islands	39.29	—	—	—	—	—	—	—
Bonin Island	—	—	—	—	—	—	—	—
South Pacific Ocean, pel.	—	—	43.67	—	—	—	—	—
Indian Ocean, pel.	—	—	43.77	—	—	—	—	—
Peru	—	—	—	39.80	—	—	—	—
Chile	37.04	38.24	37.95	37.96	39.71	38.46	39.98	—
Australia	44.08	42.61	42.86	44.85	47.00	—	—	—
New Zealand	—	—	—	48.50	—	—	—	—

¹⁾ In earlier publications French Congo.

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

Grounds.	Years.	Species of whales caught.							Oil production. Barr. ¹⁾	Expeditions.				
		Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales		Shore stations.	Floating factories.	Catchers.		
<i>North Atlantic and Arctic. Total</i>	1939	26	665	9	59	40	²⁾ 3	802	26,066	7	—	21		
	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	61,635	11	—	32		
	1952	15	635	3	51	59	—	763	25,172	7	—	18		
	1953	15	585	8	145	148	⁴⁾ 2	903	27,261	8	—	21		
	1954	11	486	7	116	168	—	788	25,507	7	—	18		
	1955	13	550	1	158	142	—	864	27,753	6	—	18		
	1956	9	475	3	94	277	—	858	31,174	7	—	19		
	1957	11	672	1	85	210	—	979	33,802	6	—	17		
	1958	5	491	4	98	288	4	890	32,971	6	—	16		
	1959	6	372	—	76	152	—	606	24,153	4	—	11		
	<i>Norway.</i>	1939	4	282	1	46	14	²⁾ 3	350	11,155	3	—	9	
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		
1957		—	139	—	1	30	—	170	5,862	2	—	6		
1958		—	123	—	6	92	⁴⁾ 1	222	7,581	2	—	6		
1959	—	180	—	4	31	—	215	7,897	2	—	6			
<i>Scotland.</i>	1950	2	33	—	—	—	—	35	1,057	1	—	1		
	1951	4	13	—	3	1	—	21	791	1	—	1		
<i>Faroe Islands.</i>	1939	2	153	1	8	9	—	173	⁵⁾ 5,197	2	—	6		
	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		
	1957	—	141	1	—	57	—	199	6,016	1	—	5		
	1958	—	16	—	1	40	—	57	2,424	1	—	4		
1959	—	—	—	—	—	—	—	—	—	—	—			
<i>Iceland.</i>	1939	13	109	1	3	4	—	130	3,764	1	—	3		
	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		
	1957	10	348	—	78	81	—	517	18,800	1	—	4		
	1958	5	289	—	91	123	—	508	20,335	1	—	4		
1959	6	178	—	67	120	—	371	15,511	1	—	4			

¹⁾ Barrel = 170 kg. (Barrel = abt. 1/8 long ton). ²⁾ 2 Minke-whales and 1 bottlenose. ³⁾ Bottlenose. ⁴⁾ Minke-whales. ⁵⁾ 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 i (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>	1939	-	3	2	-	-	-	5	Barrels.	-	-	-	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
	1957	1	21	-	1	28	-	51	1,364	1	-	-	1
	1958	-	8	-	-	26	¹⁾ 3	37	1,051	1	-	-	1
1959	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Newfoundland and Labrador.³⁾</i>	1939	7	118	4	2	13	-	144	5,950	1	-	-	2
	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	22,750	2	-	-	8
	1952	-	1	1	-	-	-	2	²⁾ 70	-	-	-	-
	1953	-	1	-	-	-	-	1	²⁾ 39	-	-	-	-
	1954	-	-	-	-	-	-	-	-	-	-	-	-
	1955	-	2	-	-	-	-	2	²⁾ 77	-	-	-	-
	1956	-	7	-	2	13	-	22	867	1	-	-	1
	1957	-	23	-	5	14	-	42	1,760	1	-	-	1
	1958	-	55	4	-	7	-	66	1,580	1	-	-	1
1959	-	14	-	5	1	-	20	745	1	-	-	1	

¹⁾ Bottlenoses. ²⁾ Calculated. ³⁾ From and including 1947 some Minke-whales, bottlenoses and a great number of pilot whales (potheads) have been taken by one station and 2 whale catchers. In the seasons 1948, 1951, 1952, 1953, 1955, 1957, 1958 and 1959 a few "long whales" have been taken. These long whales together with a calculated oil production have been included in the tables. The matériel is, however, not included.

Table j.—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.
								Barrels.			
1939	-	-	-	-	400	-	400	6,920	-	-	-
1942	-	-	-	-	525	-	525	12,562	-	-	-
1943	-	-	-	-	663	-	663	11,681	-	-	-
1944	-	-	-	-	591	-	591	7,103	-	-	-
1945	-	-	-	-	443	-	443	8,465	-	-	-
1946	-	-	-	-	592	-	592	11,917	-	-	-
1947	-	-	-	-	565	-	565	12,974	-	-	-
1948	-	-	-	-	698	-	698	15,488	-	-	-
1949	-	-	-	-	484	-	484	9,991	-	-	-
1950	-	-	-	-	423	-	423	9,949	-	-	-
1951	-	-	-	-	741	-	741	16,199	-	-	-
1952	-	-	-	-	623	-	623	16,116	-	-	-
1953	-	-	-	-	528	-	528	12,661	-	-	-
1954	-	-	-	-	683	-	683	16,761	-	-	-
1955	-	-	-	-	664	-	664	15,871	-	-	-
1956	-	-	-	-	536	-	536	14,244	-	-	-
1957	-	-	-	-	671	-	671	16,536	-	-	-
1958	-	-	-	-	527	-	527	13,958	-	-	-
1959	-	-	-	-	485	-	485	12,148	-	-	-

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

Table k.—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	-	-	156	-	162	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	-	-	-
1957	-	2	1	-	168	-	171	4,838	-	-	-
1958	-	-	-	-	174	-	174	3,215	-	-	-
1959	-	-	-	-	86	3) ¹	87	3,147	-	-	-

¹⁾ Several small shore stations. Whaling is carried on with rowing boats, and the whales are towed to shore by gasoline launches. ²⁾ Calculated. ³⁾ Right-whale.

Table l.—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
1957	-	-	-	-	241	¹⁾ 60	301	6,247	3	-	5
1958	-	4	-	3	149	¹⁾ 25	181	4,310	3	-	5
1959	-	-	-	-	182	¹⁾ 55	237	5,260	3	-	5

¹⁾ Baleen whales. No specification.

Table m.—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	3,519	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 n.—Africa.

Grounds.	Years.	Species of whales caught.							Oil production.	Expeditions.			
		Blue	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Barrels.	Shore stations.	Floating factories.	Catchers.
<i>Africa. Total.</i>	1939	27	502	200	42	676	²⁾ 1,240	2,687	106,793	2	1	21	
	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	26	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	1,708	53,831	4	—	22	
	1954	15	527	27	78	441	—	1,088	43,936	2	—	14	
	1955	6	477	49	176	602	—	1,310	45,206	1	—	13	
	1956	5	613	36	101	474	—	1,229	51,105	1	—	13	
	1957	9	901	37	323	1,232	¹⁾ 34	2,536	83,956	2	—	15	
	1958	7	943	41	577	1,432	¹⁾ 26	3,026	89,401	2	—	16	
	1959	3	964	205	908	1,489	¹⁾ 40	3,609	102,370	3	—	18	
	<i>Natal.</i>	1939	27	502	200	42	615	—	1,386	51,529	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	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	
1957		5	758	34	60	763	—	1,620	63,883	1	—	11	
1958		3	674	39	172	738	—	1,626	59,801	1	—	11	
1959		3	607	38	379	824	—	1,851	60,440	1	—	11	
<i>Cape Province.</i>		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	
	1957	4	143	3	263	469	¹⁾ 34	916	20,073	1	—	4	
	1958	4	269	2	405	694	¹⁾ 26	1,400	29,600	1	—	5	
	1959	—	357	7	525	651	¹⁾ 40	1,580	33,650	1	—	5	
<i>Madagascar.</i>	1939	—	—	—	—	61	²⁾ 1,240	1,301	55,264	—	1	5	
	1949	1	—	1,333	—	1	—	1,335	60,583	—	1	8	
<i>Gabon⁵⁾</i>	1950	1	10	711	3	⁴⁾ 64	—	789	34,424	—	1	9	
	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>	1959	—	—	160	4	14	—	178	8,280	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⁾ In earlier publications French Congo. In 1951 St. Thomé included.

Table o.—South Atlantic Ocean. (North of 40° South Lat.)

Catch by floating factories on voyage to and from the Antarctic whaling grounds.

1955	—	—	—	—	39	—	39	835	—	¹⁾ (2)	¹⁾ —
1956	—	—	—	3	121	—	124	3,818	—	¹⁾ (1)	¹⁾ —
1957	—	—	—	—	53	—	53	2,554	—	¹⁾ (2)	¹⁾ —
1958	—	—	—	—	16	—	16	415	—	¹⁾ (1)	¹⁾ —
1959	—	—	—	—	16	—	16	309	—	¹⁾ (3)	¹⁾ —

¹⁾ The matériel is included in the Antarctic statistics.

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.	Sel.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.	
<i>Pacific North. Total.</i>	1939	5	93	85	—	49	—	232	9,424	2	—	5	
	1941	1	74	43	—	234	—	352	14,313	3	—	8	
	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	2)	3	630	18,164	1	—	6
	1956	14	171	161	37	136	2)	1	520	18,488	2	—	8
	1957	15	306	271	94	204	5	895	28,386	3	—	11	
	1958	34	682	445	41	120	3	1,325	34,948	6	—	15	
1959	33	475	384	224	284	2)	2	1,402	38,536	6	—	17	
<i>California.</i>	1939	—	2	59	—	—	—	61	1,837	1	—	2	
	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	
	1957	—	22	199	1	14	2)	1	237	8,741	1	—	3
	1958	26	109	115	2	8	2)	1	261	8,518	2	—	4
1959	5	106	140	39	17	2)	2	309	10,430	2	—	5	
<i>British Columbia.</i>	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	2)	3	630	18,164	1	—	6
	1956	14	168	28	37	127	2)	1	375	12,728	1	—	6
	1957	15	284	49	93	190	2)	4	635	19,241	1	—	6
1958	8	573	40	39	112	2)	2	774	22,173	1	—	6	
1959	28	369	27	185	260	—	869	22,777	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>	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	
<i>Ryukyu Islands (Okinawa)</i>	1957	—	—	23	—	—	—	23	404	1	—	2	
	1958	—	—	290	—	—	—	290	4,257	3	—	5	
	1959	—	—	217	—	7	—	224	5,329	3	—	6	

¹⁾ The whale is mainly used for human food. ²⁾ Baird's beaked whales. ³⁾ 1 right-whale, 1 Calif. grey-whale, 1 Baird's beaked whale. ⁴⁾ 10 grey-whales and 4 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.
1939	10	241	86	677	1,266	—	2,280	12,784	1) —	—	23
1944	2	376	64	734	990	2) 3	2,169	25,182	1) —	—	33
1945	10	169	11	74	266	2) 1	531	6,082	1) —	—	30
1946	8	232	8	545	957	—	1,750	5,719	—	23	25
1947	30	257	8	383	964	—	1,642	6,177	—	19	25
1948	49	176	8	533	823	2) 1	1,590	15,018	—	20	25
1949	14	209	—	759	501	—	1,483	14,179	—	17	25
1950	7	141	5	299	1,429	—	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	2) 2	3,284	46,233	—	20	25
1957	5	260	5	478	2,361	—	3,109	44,427	—	17	25
1958	7	222	4	823	2,588	—	3,644	60,966	—	20	25
1959	5	127	4	1,340	2,104	—	3,580	52,648	—	19	24

1) No information of the number of shore stations in operation. 2) Right-whales.

Table r.—North Pacific Ocean and Bering Sea.

Years.	Species of whales caught.							Oil production.	Shore stations.	Floating factories.	Catchers.
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.				
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
1957	70	1,405	—	166	1,700	—	3,341	148,824	—	2	15
1958	70	1,331	24	330	1,500	—	3,255	145,436	—	2	15
1959	70	1,450	—	32	1,800	—	3,352	160,224	—	2	17

1) No specification. 2) Right-whales.

Table s.—Kamtchatka.

Years.	Species of whales caught.							Oil production.	Shore stations.	Floating factories.	Catchers.
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.				
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	13) 1	1,116	38,248	—	1	5
1956	7	65	31	16	998	15) 2	1,119	40,571	—	1	6
1957	9	81	50	36	1,174	13) 1	1,351	49,282	—	1	7
1958	—	39	10	19	1,430	13) 2	1,500	60,013	—	1	7
1959	22	132	74	93	1,560	—	1,881	76,029	—	1	9

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.	Floating factories.	Catchers.
								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
1957	44	173	2	108	1,821	¹⁰⁾ 14	2,162	52,415	4	—	14
1958	14	328	4	336	2,184	¹¹⁾ 9	2,875	62,478	4 ?	—	22
1959	19	223	5	131	1,878	¹²⁾ 9	2,265	52,143	4 ?	—	19

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⁾ 9 Minke-whales and 9 bottlenoses. ⁸⁾ 9 Minke-whales, 5 bottlenoses, and 10 Southern Right-whales. ⁹⁾ 10 Minke-whales and 9 bottlenoses. ¹⁰⁾ 6 Minke-whales, 8 bottlenoses. ¹¹⁾ 4 Minke-whales and 5 bottlenoses. ¹²⁾ 1 Minke-whale and 8 bottlenoses.

Table u.—Brazil.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
1948	1	—	21	10	—	¹⁾ 4	36	1,060	2	—	1
1949	—	—	15	18	—	²⁾ 5	38	1,251	2	—	2
1950	—	—	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
1957	—	—	—	115	2	¹⁾ 5	122	1,300	2	—	3
1958	—	1	5	118	4	—	128	2,524	1	—	2
1959	—	—	8	294	11	⁵⁾ 2	315	4,736	1	—	3

¹⁾ No specification. ²⁾ 1 Minke-whale, 4 not specified. ³⁾ Right-whales. ⁴⁾ 1 right-whale, 2 Minke-whales. ⁵⁾ Minke-whales.

Table v.—Peru.

Years.	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.	Oil production.	Shore stations.	Floating factories.	Catchers.
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	1,941	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
1957	—	—	—	—	2,381	—	2,381	45,745	3	—	8
1958	—	—	—	—	2,554	—	2,554	56,315	3	—	8
1959	—	—	—	1	3,399	—	3,400	74,785	3	—	8

Table w.—Chile.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations-	Floating factories-	Catchers.
1939	2	99	7	15	341	1) 5	469	Barrels. 7,512	2	1	5
1948	85	289	5	6	731	—	1,116	23,522	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
1957	100	69	5	39	2,299	—	2,512	44,688	2	—	13
1958	166	73	—	16	2,062	—	2,317	48,301	3	—	13
1959	80	70	3	17	2,062	1) 1	2,233	44,851	3	—	14

1) Right-whales.

Table x.—South Pacific Ocean. (North of 40° South Lat.)¹⁾

1957	—	—	—	—	48	—	48	1,712	—	2) (1)	2) —
------	---	---	---	---	----	---	----	-------	---	--------	------

1) Catch by fl. factory on voyage to the Antarctic grounds. 2) Incl. in the Antarctic statistics.

Table y.—Indian Ocean. (North of 40° South Lat.)¹⁾

1957	—	—	—	—	23	—	23	742	—	2) (2)	2) —
------	---	---	---	---	----	---	----	-----	---	--------	------

1) Catch by fl. factories on voyage to the Antarctic grounds. 2) Incl. in the Antarctic statistics.

Table z.—Australia.

								Barrels.			
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
1957	—	—	1,961	—	139	—	2,100	103,069	5	—	12
1958	2	—	1,807	—	283	2) 3	2,095	107,845	5	—	13
1959	12	1	1,660	—	138	—	1,811	94,311	5	—	13

1) Minke-whale. 2) Bryde-whales.

Table z¹.—New Zealand.

								Barrels.			
1939	1	—	80	—	—	—	81	2,689	1	—	3
1947	1	—	101	—	9	—	111	3,825	1	—	3
1948	—	—	92	—	—	—	92	3,864	1	—	3
1949	—	—	141	—	—	—	141	5,838	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
1957	—	—	184	2	—	—	186	8,640	2	—	4
1958	—	—	183	—	—	—	183	8,235	1	—	3
1959	—	—	318	2	—	—	320	16,338	2	—	6

Table 2².—Production of by-products in the Antarctic and on other whaling grounds 1955/56—1958/59.

Year Grounds	By-products	Whale	Whale liver	Liver-	Liver-	Meat	Whale meat,	Whale	Other
		meat-meal, bone-meal, grax-meal, guano, Long tons	L. tons	oil, vitamin oil L. tons	meal L. tons	extract, liver extract L. tons	blubber for food, ventral grooves L. tons	solubles L. tons	by- products L. tons
1955-56.....	Total	69,442	1,280	354	162	265	87,936	11,383	6,892
1956-57.....	"	71,201	1,335	369	156	361	113,804	9,743	9,660
	1957-58.								
	Antarctic	44,914	595	238	113	589	85,595	9,633	11,511
	Africa:—Natal	5,089	—	—	—	—	—	—	—
	Cape Province ...	1,814	—	—	—	33	327	—	—
	Brazil	230	—	—	—	—	130	—	—
	North Atl. and Arctic								
	Azores	435	—	—	—	—	—	—	—
	Madeira	107	—	—	—	—	—	—	—
	Spain	405	—	—	—	—	175	—	—
	Norway	388	25	—	—	—	1,177	—	—
	Faroe Islands ...	115	—	—	—	—	90	—	—
	Iceland	1,551	—	—	—	—	1,919	—	—
	West Greenland .	—	—	—	—	—	92	—	1
	Newfoundland. .	58	—	—	—	—	53	—	—
	Pacific North:—								
	California	1,717	—	—	—	—	1,585	—	—
	British Columbia.	4,030	—	¹⁾ —	—	—	1,509	—	—
	Bering Sea	—	—	98	—	—	16,390	—	3,880
	Kamtschatka	—	181	—	—	—	34	—	36
	Kuril Islands	—	293	—	—	—	1,771	—	228
	Japan	6,579	—	—	—	—	13,717	—	2,276
	Ryukyu Islands..	364	43	1	—	—	3,014	—	232
	Chile	2,094	—	—	—	—	3	—	—
	Peru	2,536	—	—	—	—	—	—	—
	Australia	5,757	—	—	—	—	404	3,159	—
	New Zealand	120	—	—	—	—	400	—	—
	Total	78,353	1,137	337	113	622	128,385	12,792	18,164
	1958-59.								
	Antarctic	41,284	645	187	138	1,101	78,658	2,153	20,179
	Africa:—Natal	5,621	—	17	—	347	60	1,051	—
	Cape province ...	2,877	—	—	—	117	80	—	200
	Gabon ³⁾	322	—	—	—	—	—	—	—
	Brazil	1,372	—	—	—	—	450	—	—
	North Atl. and Arctic								
	Azores	351	—	—	—	—	—	—	—
	Madeira	120	—	—	—	—	—	—	—
	Spain	444	—	—	—	—	225	—	—
	Norway	576	47	—	—	—	1,812	—	6
	Iceland	1,504	—	—	—	—	2,015	—	—
	Newfoundland ...	29	—	—	—	—	17	—	—
	Pacific North:—								
	California	1,680	—	—	—	—	1,662	—	—
	British Columbia.	3,624	—	²⁾ —	—	—	4,862	—	—
	Bering Sea	97	—	103	—	18	18,081	—	4,525
	Kamtschatka	—	232	—	—	—	—	—	251
	Kuril Islands	213	247	—	—	—	495	—	1,533
	Japan	6,634	—	—	—	—	15,715	—	1,995
	Ryukyu Islands..	257	37	1	—	—	1,757	—	930
	Peru	3,744	—	—	—	—	—	—	—
	Chile	2,068	—	—	—	—	38	—	—
	Australia	4,858	—	—	—	—	652	2,457	—
	New Zealand	120	10	—	—	—	440	—	—
	Total	77,795	1,218	308	138	1,583	127,019	5,661	29,619

¹ In addition 420,600 M.U. (Vitamin oil) were produced. ² In addition 650,000 M.U. (Vitamin oil) were produced. ³ In earlier publications French Congo.

Table Z³.—Catch of small whales in the years 1954/55—1958/59, by species and whaling grounds.

Years ¹⁾ Grounds	Species of whales caught						
	Minke- whales	Bottle- noses	Pilot- whales	Killer- whales	White- whales	Baird's beaked whales	Others or unspecified whales
<i>1954—55.</i>							
Norway	4,328	124	13	26	97	—	—
Faroe Islands ²⁾
Newfoundland	13	—	6,612	1	—	—	—
Hudson Bay	—	—	—	—	484	—	—
British Columbia	—	—	—	—	—	3	—
Japan	427	—	61	85	—	258	40
U.S.S.R.	9	6	—	15	—	—	—
Antarctic	—	—	—	11	—	—	—
Total	4,777	130	6,686	138	581	261	40
<i>1955—56.</i>							
Norway	3,658	267	1	40	446	—	—
Faroe Islands .....	..	..	..	..	..	..	..
Newfoundland	57	—	9,799	—	—	—	—
Gulf of St. Lawrence ..	—	—	—	—	12	—	—
Hudson Bay	—	—	—	—	422	—	—
British Columbia	—	—	—	—	—	1	—
Japan	532	—	297	38	—	297	46
U.S.S.R.	11	10	—	73	—	—	—
Antarctic	42	—	—	33	—	—	—
Total	4,300	277	10,097	184	880	298	46
<i>1956—57.</i>							
Norway	3,644	163	80	48	294	—	—
Faroe Islands .....	..	..	..	..	..	..	..
Newfoundland	37	—	7,797	—	—	—	—
Gulf of St. Lawrence ..	—	—	—	—	1	—	—
Hudson Bay	—	—	—	—	517	—	—
British Columbia	—	—	—	—	—	4	—
Japan	423	—	174	78	—	186	37
U.S.S.R.	6	9	—	30	—	—	—
Antarctic	46	—	—	54	—	—	—
Total	4,156	172	8,051	210	182	190	37
<i>1957—58.</i>							
Norway	4,341	145	216	39	50	—	—
Faroe Islands .....	..	..	..	..	..	..	..
Newfoundland	42	—	789	—	—	—	—
Gulf of St. Lawrence ..	—	—	—	—	2	—	—
Hudson Bay	—	—	—	—	708	—	—
British Columbia	—	—	—	—	—	2	—
Japan	512	—	197	73	—	229	178
U.S.S.R.	4	7	—	21	—	—	—
Antarctic	493	—	—	75	—	—	—
Total	5,392	152	1,202	208	760	231	178
<i>1958—59.</i>							
Norway	3,091	94	224	69	—	—	—
Faroe Islands	—	—	1,422	—	—	—	—
Greenland	19	—	—	—	—	—	—
Newfoundland	18	—	1,725	—	—	—	—
Hudson Bay	—	—	—	—	268	—	—
Japan	280	—	144	36	—	186	391
U.S.S.R.	1	8	—	36	—	—	—
Antarctic	103	—	—	110	—	—	—
Total	3,512	102	3,515	251	268	186	391

¹ 1954—55=Antarctic season 1954—55 and summer 1955, a. s. o. ² No information received.

**Table Z¹.—Catch of Minke-whales (*Balaenoptera Acutorostrata*) 1954—1959,
by months and whaling grounds.**

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Des.	
Norway:—														
Total	1954	—	—	11	100	790	1,157	456	679	259	—	—	—	3,452
	1955	—	—	19	139	806	2,034	568	706	56	—	—	—	4,328
	1956	—	—	16	213	941	1,294	359	589	246	—	—	—	3,658
	1957	—	—	17	145	1,035	1,191	441	722	93	—	—	—	3,644
	1958	—	—	38	200	936	1,824	494	743	106	—	—	—	4,341
Of which:														
Coastal districts ¹⁾	1954	—	—	11	99	501	389	226	450	249	—	—	—	1,925
	1955	—	—	19	116	384	743	555	658	56	—	—	—	2,531
	1956	—	—	16	132	530	456	349	511	239	—	—	—	2,233
	1957	—	—	17	69	278	419	419	674	91	—	—	—	1,967
	1958	—	—	35	62	234	530	438	695	104	—	—	—	2,098
Barents Sea, Spitzbergen and Bear Island	1954 ¹⁾	—	—	—	—	254	739	230	225	10	—	—	—	1,458
	1955 ²⁾	—	—	—	23	371	1,219	—	—	—	—	—	—	1,613
	1956 ²⁾	—	—	—	39	383	816	—	—	—	—	—	—	1,238
	1957 ²⁾	—	—	—	50	613	714	—	—	—	—	—	—	1,377
	1958 ²⁾	—	—	—	130	539	1,109	43	12	—	—	—	—	1,833
Shetland ¹⁾	1954	—	—	—	1	35	29	—	4	—	—	—	—	69
	1955	—	—	—	—	51	72	13	48	—	—	—	—	184
	1956	—	—	—	42	28	22	10	78	7	—	—	—	187
	1957	—	—	—	26	144	58	22	48	2	—	—	—	300
	1958	—	—	3	8	163	185	13	36	2	—	—	—	410
Denmark:—														
Greenland	1959	—	—	—	—	—	6	7	2	3	1	—	—	19
United Kingdom:—														
Antarctic	1955/56	—	—	—	—	—	—	—	—	—	—	—	—	1
	1958/59	—	—	—	—	—	—	—	—	—	—	—	—	1
Canada:—														
Newfoundland ..	1954	—	—	—	—	—	6	23	—	1	2	—	—	32
	1955	—	—	—	—	—	10	3	—	—	—	—	—	13
	1956	—	—	—	—	3	37	16	1	—	—	—	—	57
	1957	—	—	—	—	—	15	22	—	—	—	—	—	37
	1958	—	—	—	—	2	30	8	—	2	—	—	—	42
	1959	—	—	—	—	2	5	10	1	—	—	—	—	18
Japan:—														
Coastal districts..	1954	—	10	27	63	85	103	77	—	—	—	—	—	365
	1955	1	3	15	77	137	107	56	17	9	5	—	—	427
	1956	1	3	17	52	191	112	76	35	30	15	—	—	532
	1957	4	9	25	102	124	76	38	11	21	13	—	—	423
	1958	2	6	18	74	214	135	26	11	22	4	—	—	512
	1959	—	2	12	33	82	42	59	36	9	5	—	—	280
U.S.S.R.:—														
Kamtschatka.....	1954	—	—	—	—	—	—	—	1	—	—	—	—	1
	1955	—	—	—	—	—	—	—	—	—	—	—	—	—
	1956	—	—	—	—	—	—	—	1	—	—	—	—	1
	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Kuril Islands....	1954	—	—	—	—	—	1	—	2	4	2	—	—	9
	1955	—	—	—	—	—	—	5	3	1	—	—	—	9
	1956	—	—	—	—	—	2	5	1	1	1	—	—	10
	1957	—	—	—	—	1	1	3	—	1	—	—	—	6
	1958	—	—	—	—	—	1	1	1	—	1	—	—	4
	1959	—	—	—	—	—	—	—	1	—	—	—	—	1

¹ Catching period permitted: March 15 th—June 30 th and July 22 th—September 14 th, both days included.

² Catching period permitted: March 15 th—June 30 th, both days included.

Table Z⁴. (cont.)

Grounds	Year	Months												Total	
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		
Antarctic	1953/54	-	-	-	-	-	-	-	-	-	-	-	3	3	
	1954/55	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1955/56	-	-	7	-	-	-	-	-	-	-	-	-	34	41
	1956/57	-	-	46	-	-	-	-	-	-	-	-	-	-	46
	1957/58	4	-	481	-	-	-	-	-	-	-	-	-	8	493
	1958/59	9	-	-	-	-	-	-	-	-	-	38	55	102	

Table Z⁵.—Catch of Bottlenoses (*Hyperoodon Rostrata*) 1954—1959, by months and whaling grounds.

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Norway:—														
Total	1954	-	-	-	7	52	10	-	1	-	-	-	-	70
	1955	-	-	-	1	89	31	1	-	2	-	-	-	124
	1956	-	-	1	39	176	29	1	-	15	6	-	-	267
	1957	-	-	-	41	65	32	24	1	-	-	-	-	163
	1958	-	-	-	5	81	32	11	2	6	8	-	-	145
	1959	-	-	-	8	29	49	2	1	1	4	-	-	94
Of which:														
Coastal districts ¹⁾ . .	1954	-	-	-	7	33	1	-	1	-	-	-	-	42
	1955	-	-	-	1	7	31	-	-	2	-	-	-	41
	1956	-	-	1	2	1	24	-	-	15	6	-	-	49
	1957	-	-	-	11	31	4	-	1	-	-	-	-	47
	1958	-	-	-	-	5	16	-	1	6	8	-	-	36
	1959	-	-	-	-	-	-	-	-	-	-	-	-	24
Barents Sea, Spitzbergen and Bear Island	1954 ¹⁾	-	-	-	-	19	-	-	-	-	-	-	-	19
	1955 ²⁾	-	-	-	-	82	-	-	-	-	-	-	-	82
	1956 ²⁾	-	-	-	37	175	5	-	-	-	-	-	-	217
	1957 ²⁾	-	-	-	30	34	28	-	-	-	-	-	-	92
	1958 ²⁾	-	-	-	5	76	16	-	-	-	-	-	-	97
	1959	-	-	-	-	-	-	-	-	-	-	-	-	69
Shetland ¹⁾	1954	-	-	-	-	-	9	-	-	-	-	-	-	9
	1955	-	-	-	-	-	-	1	-	-	-	-	-	1
	1956	-	-	-	-	-	-	1	-	-	-	-	-	1
	1957	-	-	-	-	-	-	24	-	-	-	-	-	24
	1958	-	-	-	-	-	-	11	1	-	-	-	-	12
	1959	-	-	-	-	-	-	-	-	-	-	-	-	1
U.S.S.R.:—														
Kamchatka	1954	-	-	-	-	-	1	1	-	-	-	-	-	2
	1955	-	-	-	-	-	-	1	-	-	-	-	-	1
	1956	-	-	-	-	-	-	-	1	-	-	-	-	1
	1957	-	-	-	-	1	-	-	-	-	-	-	-	1
	1958	-	-	-	-	-	1	-	-	1	-	-	-	2
	1959	-	-	-	-	-	-	-	-	-	-	-	-	-
Kuril Islands	1954	-	-	-	-	-	-	-	1	2	4	2	-	9
	1955	-	-	-	-	-	2	2	-	-	1	-	-	5
	1956	-	-	-	-	-	1	1	2	4	1	-	-	9
	1957	-	-	-	-	2	3	1	1	1	-	-	-	8
	1958	-	-	-	-	1	2	-	2	-	-	-	-	5
	1959	-	-	-	1	1	3	-	2	1	-	-	-	8

¹⁾, ²⁾ See notes 1 and 2, page 34.

**Table. Z⁶.—Catch of Pilot-whales (*Globicephala Melaena*) 1954—1959,
by months and whaling grounds.**

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Norway:—														
Total	1954	—	—	—	—	—	—	—	—	—	—	—	—	—
	1955	—	—	—	—	—	—	—	13	—	—	—	—	13
	1956	—	—	—	—	—	—	—	1	—	—	—	—	1
	1957	—	—	—	—	6	—	4	52	18	—	—	—	80
	1958	—	—	2	—	—	—	64	150	—	—	—	—	216
	1959	—	—	—	—	—	2	19	191	12	—	—	—	224
Of which:														
Coastal districts ¹⁾	1955	—	—	—	—	—	—	—	7	—	—	—	—	7
	1956	—	—	—	—	—	—	—	1	—	—	—	—	1
	1957	—	—	—	—	3	—	3	14	18	—	—	—	38
	1958	—	—	2	—	—	—	—	32	—	—	—	—	34
	1959	—	—	—	—	—	—	—	—	—	—	—	—	56
Shetland ¹⁾	1955	—	—	—	—	—	—	—	6	—	—	—	—	6
	1957	—	—	—	—	3	—	1	38	—	—	—	—	42
	1958	—	—	—	—	—	—	64	118	—	—	—	—	182
	1959	—	—	—	—	—	—	—	—	—	—	—	—	168
enmark:—														
Faroe Islands .	1959	129	—	—	—	123	355	381	434	—	—	—	—	1,422
Canada:—														
Newfoundland	1954	—	—	—	—	—	—	535	908	23	382	450	—	2,298
	1955	—	—	—	—	—	—	620	885	3,150	1,957	—	—	6,612
	1956	—	—	—	—	—	—	1,240	2,379	2,769	2,944	467	—	9,799
	1957	—	—	—	—	—	—	382	5,110	1,985	320	—	—	7,797
	1958	—	—	—	—	—	—	—	516	158	115	—	—	789
	1959	—	—	—	—	—	—	263	390	815	157	100	—	1,725
Japan:—														
Coastal	1954	—	—	—	5	7	21	4	15	15	7	—	1	75
districts	1955	—	1	—	4	15	10	3	2	20	1	5	—	61
	1956	1	1	2	2	32	40	16	34	30	71	17	51	297
	1957	13	1	13	5	12	45	20	19	5	13	15	13	174
	1958	4	1	—	8	36	57	23	13	9	13	21	12	197
	1959	—	1	13	19	18	52	7	2	4	10	15	3	144

¹ See note 1 page 34.

Table Z⁷.—Catch of Killer-whales (*Orcinus orca*) 1954—1959, by months and whaling grounds.

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Norway:—														
Total	1954	—	—	—	5	8	—	—	—	—	—	—	—	13
	1955	—	—	—	3	5	8	—	10	—	—	—	—	26
	1956	—	—	—	7	8	9	4	4	8	—	—	—	40
	1957	—	—	—	14	11	10	—	12	1	—	—	—	48
	1958	—	—	7	11	16	4	—	—	1	—	—	—	39
	1959	—	—	—	9	14	17	—	25	4	—	—	—	69
Of which:														
Coastal districts ¹⁾ ...	1954	—	—	—	5	8	—	—	—	—	—	—	—	13
	1955	—	—	—	3	5	7	—	2	—	—	—	—	17
	1956	—	—	—	5	3	7	—	1	2	—	—	—	18
	1957	—	—	—	14	10	7	—	2	—	—	—	—	33
	1958	—	—	7	9	8	3	—	—	1	—	—	—	28
	1959	—	—	—	—	—	—	—	—	—	—	—	—	13
Barents Sea, Spitzbergen and Bear Island ²⁾	1955	—	—	—	—	—	1	—	1	—	—	—	—	2
	1956	—	—	—	2	5	2	—	—	—	—	—	—	9
	1957	—	—	—	—	—	2	—	—	—	—	—	—	2
	1958	—	—	—	2	8	1	—	—	—	—	—	—	11
	1959	—	—	—	—	—	—	—	—	—	—	—	—	24
Shetland ¹⁾	1955	—	—	—	—	—	—	—	7	—	—	—	—	7
	1956	—	—	—	—	—	—	4	3	6	—	—	—	13
	1957	—	—	—	—	1	1	—	10	1	—	—	—	13
	1959	—	—	—	—	—	—	—	—	—	—	—	—	32
Canada:—														
Newfoundland	1955	—	—	—	—	—	1	—	—	—	—	—	—	1
Japan:														
Coastal districts ..	1954	—	—	—	8	1	3	17	15	16	18	19	3	100
	1955	—	—	—	9	21	17	7	1	1	8	18	3	85
	1956	—	1	3	1	7	4	2	5	6	6	3	—	38
	1957	—	—	2	5	4	10	21	5	9	11	8	3	78
	1958	—	7	2	—	8	25	3	5	4	7	8	4	73
	1959	—	3	—	4	1	3	2	3	8	6	6	—	36
U.S.S.R.:—														
Kamchatka.....	1954	—	—	—	2	2	—	—	—	—	—	—	—	4
	1955	—	—	—	—	—	—	2	—	—	2	—	—	4
	1956	—	—	—	—	15	7	2	1	1	—	—	—	26
	1957	—	—	—	—	—	—	—	3	—	—	—	—	3
	1958	—	—	—	—	—	—	4	3	—	—	—	—	7
	1959	—	—	—	—	—	—	—	—	—	—	—	—	—
Kuril Islands	1954	—	—	—	—	—	—	—	—	—	—	—	—	—
	1955	—	—	—	—	4	—	4	3	—	—	—	—	11
	1956	—	—	—	—	3	18	16	2	8	—	—	—	47
	1957	—	—	—	—	3	9	7	3	5	—	—	—	27
	1958	—	—	—	—	—	5	5	5	—	3	—	—	18
	1959	—	—	—	—	25	8	—	3	—	—	—	—	36
Antarctic	1953-54	—	—	—	—	—	—	—	—	—	—	8	13	21
	1954-55	1	—	—	—	—	—	—	—	—	—	7	3	11
	1955-56	2	—	16	—	—	—	—	—	—	—	8	7	33
	1956-57	6	—	—	—	—	—	—	—	—	—	—	48	54
	1957-58	4	—	—	—	—	—	—	—	—	—	16	55	75
	1958-59	—	—	—	—	—	—	—	—	—	—	36	74	110

¹⁾, ²⁾ See notes 1 and 2, page 34.

**Table Z⁸.—Catch of White-whales, (*Delphinapterus leucas*) 1954—1959,
by months and whaling grounds.**

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Norway:— West Spitzbergen ¹).	1954	—	—	—	—	76	—	—	—	—	—	—	—	76
	1955	—	—	—	—	97	—	—	—	—	—	—	—	97
	1956	—	—	—	—	446	—	—	—	—	—	—	—	446
	1957	—	—	—	—	294	—	—	—	—	—	—	—	294
	1958	—	—	—	—	50	—	—	—	—	—	—	—	50
Canada:— Hudson Bay	1954	—	—	—	—	—	—	537	57	—	—	—	—	594
	1955	—	—	—	—	—	—	328	156	—	—	—	—	484
	1956	—	—	—	—	—	19	80	171	152	—	—	—	422
	1957	—	—	—	—	—	26	234	130	127	—	—	—	517
	1958	—	—	—	—	—	—	—	338	370	—	—	—	708
Gulf of St. Lawrence	1956	—	—	—	—	—	—	—	—	—	—	—	—	12
	1957	—	—	—	—	—	—	—	—	—	—	—	—	1
	1958	—	—	—	—	—	—	—	—	—	—	—	—	2

¹ See note 2, page 34.

**Table Z⁹.—Catch of Baird's beaked whales (*Berardius bairdii*) 1954—1959,
by months and whaling grounds.**

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Canada:— British Columbia . .	1954	—	—	—	—	—	1	—	2	—	—	—	—	3
	1955	—	—	—	—	—	1	—	2	—	—	—	—	3
	1956	—	—	—	—	1	—	—	—	—	—	—	—	1
	1957	—	—	—	—	2	—	—	2	—	—	—	—	4
	1958	—	—	—	—	—	—	—	2	—	—	—	—	2
Japan:— Coastal districts . . .	1954	—	—	—	—	2	10	64	114	21	12	5	2	230
	1955	—	—	—	4	1	9	98	117	17	6	5	1	258
	1956	—	—	—	—	3	7	117	124	30	12	4	—	297
	1957	—	—	—	—	3	13	72	75	11	2	10	—	186
	1958	—	—	—	—	—	5	81	110	25	8	—	—	229
1959	—	—	—	1	1	11	66	51	32	20	4	—	186	

**Table Z¹⁰.—Catch of others or unspecified small whales 1954—1959,
by months and whaling grounds.**

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Japan:— Coastal districts . . .	1954	—	—	—	4	10	8	1	6	3	—	1	—	33
	1955	—	1	—	—	7	19	3	7	1	—	—	2	40
	1956	1	—	—	—	10	12	4	7	9	—	3	—	46
	1957	—	—	—	2	8	3	4	15	3	1	1	—	37
	1958	56	28	3	6	6	3	9	16	2	3	1	45	178
	1959	87	13	74	86	19	5	53	13	10	4	8	19	391

TABLES

Antarctic season 1958/59 and summer season 1959.

Table No. 1.—Whaling in 1958/59 and summer 1959.

Geographical areas.	Species of whales caught.							Oil production. Barrels ¹⁾	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
South Georgia.....	1	1,291	—	1,019	215	—	2,526	102,418	3	—	21
Antarctic, pelagic whaling	1,191	25,837	2,394	1,402	5,437	²⁾ 103	36,364	2,050,241	—	20	235
Africa:—											
Natal	3	607	38	379	824	—	1,851	60,440	1	—	11
Cape Province ...	—	357	7	525	651	³⁾ 40	1,580	33,650	1	—	5
Gabon ⁹⁾	—	—	160	4	14	—	178	8,280	1	—	2
South Atlantic, pelagic whaling..	—	—	—	—	16	—	16	309	—	⁴⁾ —	⁴⁾ —
Brazil:—											
Paraiba	—	—	8	294	11	²⁾ 2	315	4,736	1	—	3
North Atlantic and Arctic:—											
Azores	—	—	—	—	485	—	485	12,148	—	—	—
Madeira.....	—	—	—	—	86	⁵⁾ 1	87	3,147	—	—	—
Spain.....	—	—	—	—	182	⁶⁾ 55	237	5,260	3	—	5
Norway	—	180	—	4	31	—	215	7,897	2	—	6
Iceland	6	178	—	67	120	—	371	15,511	1	—	4
Newfoundland...	—	14	—	5	1	—	20	745	1	—	1
Pacific North:—											
California	5	106	140	39	17	⁷⁾ 2	309	10,430	2	—	5
British Columbia	28	369	27	185	260	—	869	22,777	1	—	6
Bering Sea, pelagic whaling	70	1,450	—	32	1,800	—	3,352	160,224	—	2	17
Kamtchatka, pelagic whaling	22	132	74	93	1,560	—	1,881	76,029	—	1	9
Kuril Islands....	19	223	5	131	1,878	⁸⁾ 9	2,265	52,143	4(?)	—	19
Japan	5	127	4	1,340	2,104	—	3,580	52,648	19	—	24
Ryukyu Islands .	—	—	217	—	7	—	224	5,329	3	—	6
Peru	—	—	—	1	3,399	—	3,400	74,785	3	—	8
Chile	80	70	3	17	2,062	⁵⁾ 1	2,233	44,851	3	—	14
Australia	12	1	1,660	—	138	—	1,811	94,311	5	—	13
New Zealand.....	—	—	318	2	—	—	320	16,338	2	—	6
Total	1,442	30,942	5,055	5,539	21,298	213	64,489	2,914,647	56	23	420

¹⁾ Barrel = 170 kg. (Barrel = abt. $\frac{1}{8}$ long ton, 1 long ton = 1,016 kg.) ²⁾ Minke-whales. ³⁾ Bryde-whales. ⁴⁾ Floating factories on voyage to the Antarctic whaling grounds (North of 40° South Lat.), ⁵⁾ Right-whale. ⁶⁾ Baleen whales, not specified. ⁷⁾ Baird's beaked whales. ⁸⁾ 1 Minke-whale and 8 bottlenoses. ⁹⁾ In earlier publications French Congo.

Table No. 2.—Norwegian whaling in 1958/59 and summer 1959.

Geographical areas.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
Antarctic, pelagic whaling.....	391	10,511	407	87	1,896	—	13,292	796,986	—	9	93
South Georgia	—	349	—	337	93	—	779	29,051	1	—	7
South Atlantic, pelagic	—	—	—	—	10	—	10	209	—	¹⁾ —	¹⁾ —
Norway	—	180	—	4	31	—	215	7,897	2	—	6
Total	391	11,040	407	428	2,030	—	14,296	834,143	3	9	106

¹⁾ Floating factory on voyage to the Antarctic whaling grounds (North of 40° South Lat.).

Table No. 3.—Whaling of United Kingdom in 1958/59 and summer 1959.

Geographical areas.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
South Georgia	—	419	—	340	65	—	824	33,937	1	—	7
Antarctic, pelagic whaling	56	3,360	303	72	809	²⁾ 1	4,601	259,723	—	3	37
South Atlantic, pelagic	—	—	—	—	6	—	6	100	—	¹⁾ —	¹⁾ —
Total	56	3,779	303	412	880	1	5,431	293,760	1	3	44

¹⁾ Floating factory on voyage to the Antarctic whaling grounds (North of 40° South Lat.). ²⁾ Minke-whale.

Table No. 4.—Whaling of Japan in 1958/59 and summer 1959.

Geographical areas.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
Antarctic, pelagic whaling	417	7,865	1,264	1,095	1,917	—	12,558	646,130	—	6	69
North Pacific Ocean and Bering Sea, pelagic whaling..	70	1,450	—	32	1,800	—	3,352	160,224	—	2	17
Japan	5	127	4	1,340	2,104	—	3,580	52,648	19	—	24
Total	492	9,442	1,268	2,467	5,821	—	19,490	859,002	19	8	110

Table No. 5.—Whaling of U.S.S.R. in 1958/59 and summer 1959.

Geographical areas.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
Antarctic, pelagic whaling.	315	2,194	420	126	530	¹⁾ 102	3,687	220,914	—	1	24
Kamtschatka, pelagic whaling ..	22	132	74	93	1,560	—	1,881	76,029	—	1	9
Kuril Islands.....	19	223	5	131	1,878	²⁾ 9	2,265	52,143	4(?)	—	19
Total	356	2,549	499	350	3,968	111	7,833	349,086	4	2	52

¹⁾ Minke-whales. In addition 110 killer-whales. ²⁾ 1 Minke-whale and 8 bottlenoses. In addition 36 killer-whales.

Table No. 6.—Whaling results for the various countries in 1958/59 and summer 1959.

Countries.	Species of whales caught.						Oil production.	Expeditions.			
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.		Total of whales.	Barrels	Shore stations.	Float-ing factories.	Catch-ers.
Japan	492	9,442	1,268	2,467	5,821	—	19,490	859,002	19	8	110
Norway	391	11,040	407	428	2,030	—	14,296	834,143	3	9	106
U.S.S.R.	356	2,549	499	350	3,968	¹⁾ 111	7,833	349,086	4	2	52
United Kingdom...	56	3,779	303	412	880	²⁾ 1	5,431	293,760	1	3	44
Netherlands	12	1,907	—	22	285	—	2,226	126,488	—	1	12
Australia.....	12	1	1,660	—	138	—	1,811	94,311	5	—	13
Union of South Africa	3	964	45	904	1,475	³⁾ 40	3,431	94,090	2	—	16
Peru	—	—	—	1	3,399	—	3,400	74,785	3	—	8
Argentina	1	523	—	342	57	—	923	39,430	1	—	7
Chile	80	70	3	17	2,062	⁴⁾ 1	2,233	44,851	3	—	14
Canada	28	383	27	190	261	—	889	23,522	2	—	7
New Zealand	—	—	318	2	—	—	320	16,338	2	—	6
United States	5	106	357	39	24	⁵⁾ 2	533	15,759	5	—	11
Iceland	6	178	—	67	120	—	371	15,511	1	—	4
Portugal	—	—	—	—	571	⁴⁾ 1	572	15,295	—	—	—
France	—	—	160	4	14	—	178	8,280	1	—	2
Spain	—	—	—	—	182	⁶⁾ 55	237	5,260	3	—	5
Brazil	—	—	8	294	11	²⁾ 2	315	4,736	1	—	3
Total	1,442	30,942	5,055	5,539	21,298	213	64,489	2,914,647	56	23	420

¹⁾ 103 Minke-whales, and 8 bottlenoses. ²⁾ Minke-whales. ³⁾ Bryde whales. ⁴⁾ Right-whale. ⁵⁾ Baird's beaked whales
⁶⁾ Baleen whales, not specified.

Table No. 7.—Average size of whales caught in the summer season 1959.

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
A. Blue-whales.				
<i>Africa:—</i>				
Natal	—	—	71.67	71.67
Females 3.				
<i>North Atlantic and Arctic:—</i>				
Iceland	—	70.00	74.60	73.83
Males 1				
Females 5 } Total 6.				
<i>Pacific North:—</i>				
California	No. 1	—	69.50	69.50
Males 1		65.00	73.50	70.67
Females 4 } Total 5.	„ 2			
Average		65.00	71.50	70.20
British Columbia	—	71.55	71.53	71.54
Males 11				
Females 17 } Total 28.				

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	—	77.79	79.05	78.19
Males 48 } Total 70.				
Females 22 }				
Kamtschatka, pelagic whaling .	—	76.00	77.91	76.95
Males 11 } Total 22.				
Females 11 }				
Kuril Islands	—	74.00	74.00	74.00
Males 10 } Total 19.				
Females 9 }				
Japan	No. 1	—	70.00	70.00
Males 1 } Total 5	" 2	—	78.50	78.50
Females 4 }	" 3	67.00	—	67.00
	" 4	—	75.00	75.00
Average		67.00	75.50	73.80
Pacific North, total	—	75.96	75.61	75.81
Males 82 } Total 149.				
Females 67 }				
Chile	No. 1	74.64	75.68	75.02
Males 39 } Total 61.	" 2	—	—	—
Females 22 }				
Australia	No. 1	70.00	70.75	70.50
Males 5 } Total 12.	" 2	65.00	68.67	66.83
Females 7 }				
Average		67.00	69.86	68.67
B. Fin-whales.				
<i>Africa:—</i>				
Natal	—	60.34	60.80	60.55
Males 326 } Total 604.				
Females 278 }				
Cape Province	—	59.05	60.14	59.59
Males 182 } Total 357.				
Females 175 }				
Africa, total	—	59.88	60.55	60.19
Males 508 } Total 961.				
Females 453 }				
<i>North Atlantic and Arctic:—</i>				
Norway	No. 1	57.49	61.96	59.63
Males 93 } Total 180.	" 2	60.86	62.08	61.45
Females 87 }				
Average		59.01	62.01	60.46
Iceland	—	59.40	61.83	60.51
Males 97 } Total 178.				
Females 81 }				

Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
Newfoundland	—	57.17	56.50	56.79
Males 6 } Total 14.				
Females 8 }				
North Atlantic and Arctic, total	—	59.15	61.68	60.34
Males 196 } Total 372.				
Females 176 }				
<i>Pacific North:</i> —				
California	No. 1	60.45	62.32	61.45
Males 49 } Total 106.	" 2	59.56	61.78	60.76
Females 57 }				
Average		59.96	62.02	61.07
British Columbia	—	56.89	59.54	58.15
Males 194 } Total 369.				
Females 175 }				
Bering Sea, pelagic	—	60.95	63.13	61.98
Males 762 } Total 1,450.				
Females 688 }				
Kamtschatka, pelagic	—	59.52	62.82	61.42
Males 56 } Total 132.				
Females 76 }				
Kuril Islands	—	60.20	61.70	60.93
Males 114 } Total 223.				
Females 109 }				
Japan	No. 1	52.00	59.00	55.50
Males 60 } Total 127.	" 2	51.50	58.00	54.94
Females 67 }	" 3	54.25	55.39	54.86
	" 4	57.58	57.15	57.36
	" 5	54.67	60.00	57.54
Average		55.18	57.01	56.15
Pacific North, total	—	59.86	62.04	60.92
Males 1,235 } Total 2,407.				
Females 1,172 }				
<i>Chile</i>	No. 1	58.14	57.47	57.86
Males 29 } Total 50.	" 2	—	—	—
Females 21 }				
<i>Australia</i>	—	50.00	—	50.00
Male 1				
C. Humpbacks.				
<i>Africa:</i> —				
Natal	—	39.10	39.00	39.05
Males 21 } Total 38.				
Females 17 }				
Cape Province	—	40.33	39.00	39.57
Males 3 } Total 7.				
Females 4 }				

Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
Gabon	—	39.14	40.84	39.88
Males 91 } Total 160.				
Females 69 }				
Africa, total.....	—	39.17	40.41	39.71
Males 115 } Total 205.				
Females 90 }				
Brazil	—	42.40	40.67	41.75
Males 5 } Total 8.				
Females 3 }				
Pacific North:—				
California	No. 1	40.48	39.36	39.84
Males 58 } Total 140.	2	39.45	40.57	40.12
Females 82 }				
Average		39.93	40.04	39.99
British Columbia.....	—	39.56	40.73	40.04
Males 16 } Total 27.				
Females 11 }				
Kamchatka, pelagic whaling.	—	38.43	42.52	40.86
Males 30 } Total 74.				
Females 44 }				
Kuril Islands.....	—	37.00	38.67	38.00
Males 2 } Total 5.				
Females 3 }				
Japan	No. 1	—	49.00	49.00
Males 2 } Total 4.	2	36.00	—	36.00
Females 2 }	3	47.00	35.00	41.00
Average		41.50	42.00	41.75
Ryukyu Islands	No. 1	39.42	40.78	40.23
Males 109 } Total 217.	2	40.17	41.70	40.81
Females 108 }	3	38.67	39.29	38.95
Average		39.63	40.86	40.24
Pacific North, total.....	—	39.53	40.86	40.24
Males 217 } Total 467.				
Females 250 }				
Australia	No. 1	41.99	43.28	42.45
Males 964 } Total 1,660.	2	40.87	42.00	41.24
Females 696 }	3	37.84	39.84	38.89
	4	39.92	43.68	41.40
	5	38.81	40.45	39.69
Average		39.93	41.17	40.45
New Zealand	No. 1	39.77	40.86	40.19
Males 181 } Total 318.	2	40.33	41.04	40.71
Females 137 }				
Average		39.92	40.93	40.36

Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
D Sei-whales.				
<i>Africa:—</i>				
Natal	—	43.68	44.72	44.13
Males 208 } Females 159 } Total 367.				
Cape Province	—	44.45	46.26	45.72
Males 156 } Females 369 } Total 525.				
Gabon	—	43.00	46.50	44.75
Males 2 } Female 2 } Total 4.				
Africa, total.....	—	44.01	45.80	45.07
Males 366 } Females 530 } Total 896.				
<i>Brazil:.....</i>	—	49.72	51.07	50.29
Males 170 } Females 124 } Total 294.				
<i>North Atlantic and Arctic:—</i>				
Norway	—	—	46.25	46.25
Females 4.				
Iceland	—	42.63	44.95	44.01
Males 27 } Females 40 } Total 67.				
Newfoundland	No. 1	44.00	38.50	41.25
Males 2 } Females 3 } Total 5	" 2	—	50.00	50.00
Average		44.00	42.33	43.00
North Atlantic and Arctic, total	—	42.72	44.89	44.07
Males 29 } Females 47 } Total 76.				
<i>Pacific North:—</i>				
California	No. 1	45.86	46.25	46.11
Males 10 } Females 29 } Total 39.	" 2	43.67	45.71	45.40
Average		45.20	45.93	45.74
British Columbia	—	43.28	45.04	43.94
Males 116 } Females 69 } Total 185.				
Bering Sea, pelagic whaling ..	—	48.00	49.52	49.00
Males 11 } Females 21 } Total 32.				
Kamtschatka, pelagic	—	46.58	47.40	47.04
Males 40 } Females 53 } Total 93.				

Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
Kuril Islands.....	—	46.79	47.47	47.05
Males 80 } Total 131.				
Females 51 }				
Japan.....	No. 1	42.11	43.23	42.61
Males 766 } Total 1,340.	" 2	42.79	43.67	43.26
Females 574 }	" 3	41.52	42.23	41.83
	" 4	42.34	43.12	42.63
	" 5	41.87	44.65	43.03
Average		41.96	43.16	42.48
Pacific North, total.....	—	42.77	44.15	43.37
Males 1,023 } Total 1,820.				
Females 797 }				
Chile.....	No. 1	39.25	37.50	38.67
Males 4 } Total 6.	" 2	—	—	—
Females 2 }				
New Zealand.....	—	—	45.00	45.00
Females 2				
<u>E. Sperm-whales.</u>				
<i>Africa:—</i>				
Natal.....	—	40.37	35.12	38.57
Males 536 } Total 817.				
Females 281 }				
Cape Province.....	—	38.92	35.42	37.64
Males 412 } Total 651.				
Females 239 }				
Gabon.....	—	35.00	35.15	35.14
Males 1 } Total 14.				
Females 13 }				
Africa, total.....	—	39.74	35.26	38.12
Males 949 } Total 1,482.				
Females 533 }				
South Atlantic Ocean, pelagic ...	No. 1	43.00	—	43.00
Males 8 } Total 16.	" 2	42.33	32.75	36.86
Female 8 }	" 3	38.00	37.50	37.67
Average		41.50	35.13	38.31
Brazil.....	—	41.63	35.67	40.00
Males 8 } Total 11				
Females 3 }				
Azores.....	—	39.38	32.47	37.16
Males 329 } Total 485.				
Females 156 }				

Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
<i>Madeira</i>	—	44.44	33.00	44.30
Males 85 } Total 86.				
Females 1 }				
<i>North Atlantic and Arctic:—</i>				
<i>Norway</i>	No. 1	51.00	—	51.00
Males 31.	„ 2	48.45	—	48.45
Average		48.61	—	48.61
<i>Iceland</i>	—	50.85	—	50.85
Males 120.				
<i>Newfoundland</i>	—	54.00	—	54.00
Males 1.				
<i>North Atlantic and Arctic, total</i>	—	50.41	—	50.41
Males 152.				
<i>Pacific North:—</i>				
<i>California</i>	No. 1	44.56	—	44.56
Males 16 } Total 17.	„ 2	41.14	35.00	40.38
Females 1 }				
Average		43.06	35.00	42.59
<i>British Columbia</i>	—	41.38	35.20	40.31
Males 215 } Total 260.				
Females 45 }				
<i>Bering Sea, pelagic</i>	No. 1	47.41	—	47.41
Males 1,798 } Total 1,800.	„ 2	45.52	38.50	45.51
Females 2 }				
Average		45.73	38.50	45.72
<i>Kamtchatka, pelagic</i>	—	45.76	35.33	45.64
Males 1,540 } Total 1,558				
Females 18 }				
<i>Kuril Islands</i>	—	39.04	36.62	38.65
Males 1,561 } Total 1,869.				
Females 308 }				
<i>Japan</i>	No. 1	37.60	35.37	36.33
Males 919 } Total 2,103.	„ 2	37.01	35.38	36.27
Females 1,184 }	„ 3	37.72	35.99	36.71
	„ 4	37.72	35.58	36.56
	„ 5	37.00	35.58	36.11
Average		37.51	35.70	36.49
<i>Ryukyu Islands</i>	No. 1	37.50	—	37.50
Males 7.	„ 2	40.00	—	40.00
Average		39.29	—	39.29
<i>Pacific North, total</i>	—	42.60	35.87	41.22
Males 6,056 } Total 7,614.				
Females 1,558 }				

Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
<i>Chile</i>	No. 1	39.04	35.49	37.04
Males 784 } Total 1,796.	" 2	—	—	—
Females 1,012 }				
<i>Australia</i>	No. 1	48.50	—	48.50
Males 138.	" 2	44.04	—	44.04
	Average	44.08	—	44.08
<u>F. Bryde-whales.</u>				
<i>Africa</i> :—				
Cape Province	"	42.72	45.91	44.48
Males 18 } Total 40.				
Females 22 }				

**Table No. 8.—Whales caught in the summer season 1959,
by species, sex, and size.**

I. Natal.

Blue-whales.

Engl. feet.	Number of		Total animals.
	males.	females.	
62	—	1	1
70	—	1	1
83	—	1	1
Sum	—	3	3

Average size: Females: 71.67 ft.

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
48	1	1	2	69	4	4	8
49	—	4	4	70	3	12	15
50	3	3	6	71	3	6	9
51	—	2	2	72	—	6	6
52	—	1	1	73	1	6	7
55	43	43	86	74	—	4	4
56	17	21	38	75	—	2	2
57	47	34	81	78	—	1	1
58	23	18	41	79	—	1	1
59	26	19	45	Sum	326	278	1) 604
60	21	15	36	Average size { Males: 60.34 feet Females: 60.80 " Total animals: 60.55 " Per cent { Males: 53.97 Females: 46.03			
61	26	8	34				
62	18	14	32				
63	17	8	25				
64	19	14	33				
65	19	12	31				
66	9	15	24				
67	10	3	13				
68	16	1	17				

1) In addition 3 fin-whales lost.

Humpbacks.

Engl. feet.	Number of		Total animals.
	males.	females.	
35	2	8	10
36	3	—	3
37	2	2	4
38	3	—	3
39	3	—	3
41	3	2	5
42	1	2	3
43	3	—	3
44	1	—	1
45	—	1	1
49	—	2	2
Sum	21	17	38

Average size { Males: 39.10 feet
 Females: 39.00 "
 Total animals: 39.05 "
 Per cent { Males: 55.26
 Females: 44.74

Table No. 8 (continued).

Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.				
	males.	females.			males.	females.					
35	—	2	2	49	5	9	14				
36	6	4	10	50	3	10	13				
37	—	2	2	51	1	10	11				
38	—	4	4	52	—	2	2				
39	2	—	2	53	—	3	3				
40	28	22	50	54	—	1	1				
41	17	11	28	55	—	1	1				
42	23	8	31	Sum	208	159	¹⁾ 367				
43	24	9	33	Average size { Males: 43.68 feet Females: 44.72 " Total animals: 44.13 "							
44	22	11	33					Per cent { Males: 56.68 Females: 43.32			
45	26	15	41								
46	20	17	37								
47	15	12	27								
48	16	6	22								

¹⁾ In addition 12 sei-whales lost.

Sperm-whales.

29	—	5	5	48	12	—	12				
30	1	6	7	49	9	—	9				
31	1	6	7	50	12	—	12				
32	2	3	5	51	2	—	2				
33	—	3	3	52	3	—	3				
35	66	152	218	53	2	—	2				
36	58	86	144	54	1	—	1				
37	45	15	60	57	1	—	1				
38	41	4	45	Sum	536	281	¹⁾ 817				
39	40	1	41	Average size { Males: 40.37 feet Females: 35.12 " Total animals: 38.57 "							
40	50	—	50					Per cent { Males: 65.61 Females: 34.39			
41	41	—	41								
42	33	—	33								
43	28	—	28								
44	34	—	34								
45	22	—	22								
46	19	—	19								
47	13	—	13								

¹⁾ In addition 7 sperm-whales lost.

Table No. 8 (continued).

2. Cape Province.

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
49	—	1	1	70	2	3	5
50	—	1	1	71	2	1	3
51	1	—	1	72	—	3	3
55	30	23	53	73	1	2	3
56	18	20	38	74	—	2	2
57	42	29	71	75	—	5	5
58	30	27	57	76	—	1	1
59	13	8	21	79	—	1	1
60	4	9	13				
61	5	10	15	Sum	182	175	357
62	4	5	9				
63	3	6	9				
64	3	6	9	Average size	{	Males: 59.05 feet	
65	4	2	6		{	Females: 60.14 "	
66	6	1	7		{	Total animals: 59.59 "	
67	3	4	7	Per cent	{	Males: 50.98	
68	7	2	9		{	Females: 49.02	
69	4	3	7				

Humpbacks.

35	—	1	1				
42	2	1	3	Average size	{	Males: 40.33 feet	
43	1	—	1		{	Females: 39.00 "	
46	—	1	1		{	Total animals: 39.57 "	
47	—	1	1	Per cent	{	Males: 42.86	
Sum	3	4	7		{	Females: 57.14	

Sei-whales.

35	2	6	8	54	1	10	11
36	3	6	9	55	—	1	1
37	1	9	10	56	—	3	3
38	4	7	11	57	1	—	1
39	4	11	15	Sum	156	369	525
40	17	19	36				
41	9	19	28				
42	16	16	32				
43	10	18	28				
44	19	23	42				
45	8	14	22				
46	9	17	26	Average size	{	Males: 44.45 feet	
47	15	27	42		{	Females: 46.26 "	
48	9	36	45		{	Total animals: 45.72 "	
49	10	31	41	Per cent	{	Males: 29.71	
50	9	30	39		{	Females: 70.29	
51	7	23	30				
52	1	24	25				
53	1	19	20				

Table No. 8 (continued).

Bryde-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	—	2	2	52	—	2	2
39	1	1	2	55	—	1	1
40	—	1	1	Sum	18	22	40
41	1	—	1	Average size { Males: 42.72 feet			
43	2	1	3	{ Females: 45.91 "			
44	3	1	4	{ Total animals: 44 48 "			
45	1	1	2	Per cent { Males: 45.00			
46	2	1	3	{ Females: 55.00			
47	5	5	10				
48	2	3	5				
49	1	1	2				
50	—	2	2				

Sperm-whales.

27	—	1	1	45	9	—	9
28	—	2	2	46	9	—	9
29	2	1	3	47	5	—	5
30	1	6	7	48	5	—	5
31	—	2	2	49	7	—	7
32	—	1	1	50	2	—	2
35	56	114	170	52	2	—	2
36	61	75	136	53	1	—	1
37	59	25	84	Sum	412	239	651
38	51	9	60	Average size { Males: 38.92 feet			
39	42	—	42	{ Females: 35.42 "			
40	37	1	38	{ Total animals: 37.64 "			
41	22	1	23	Per cent { Males: 63.29			
42	21	1	22	{ Females: 36.71			
43	6	—	6				
44	14	—	14				

3. Gabon.

Humpbacks

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	14	9	23	46	2	—	2
36	11	4	15	47	—	4	4
37	4	1	5	48	—	3	3
38	11	10	21	50	—	2	2
39	9	6	15	Sum	91	69	160
40	11	3	14	Average size { Males: 39.14 feet			
41	9	2	11	{ Females: 40.84 "			
42	11	13	24	{ Total animals: 39.88 "			
43	3	4	7	Per cent { Males: 56.88			
44	3	4	7	{ Females: 43.12			
45	3	4	7				

Table No. 8 (continued).

Sei-whales.

Engl. feet.	Number of		Total animals.	Average size	Per cent
	males.	females.			
41	1	—	1	Males: 43.00 feet Females: 46.50 " Total animals: 44.75 "	Males: 50.00 Females: 50.00
45	1	—	1		
46	—	1	1		
47	—	1	1		
Sum	2	2	4		

Sperm-whales.

Engl. feet.	Number of		Total animals.	Average size	Per cent
	males.	females.			
24	—	1	1	Males: 35.00 feet Females: 35.15 " Total animals: 35.14 "	Males: 7.14 Females: 92.86
35	1	3	4		
36	—	6	6		
37	—	2	2		
38	—	1	1		
Sum	1	13	14		

4. Summary Africa.

(Natal, Cape Province and Gabon.)

Blue-whales.

Engl. feet.	Number of		Total animals.	Average size: Females: 71.67 ft.
	males.	females.		
62	—	1	1	
70	—	1	1	
83	—	1	1	
Sum	—	3	3	

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
48	1	1	2	69	8	7	15
49	—	5	5	70	5	15	20
50	3	4	7	71	5	7	12
51	1	2	3	72	—	9	9
52	—	1	1	73	2	8	10
55	73	66	139	74	—	6	6
56	35	41	76	75	—	7	7
57	89	63	152	76	—	1	1
58	53	45	98	78	—	1	1
59	39	27	66	79	—	2	2
60	25	24	49	Sum	508	453	1) 961
61	31	18	49	Average size { Males: 59.88 feet Females: 60.55 " Total animals: 60.19 "	Per cent { Males: 52.86 Females: 47.14		
62	22	19	41				
63	20	14	34				
64	22	20	42				
65	23	14	37				
66	15	16	31				
67	13	7	20				
68	23	3	26				

1) In addition 3 fin-whales lost.

Table No. 8 (continued).

Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
27	-	1	1	46	2	-	2	
35	16	17	33	47	-	4	4	
36	14	4	18	48	-	3	3	
37	6	3	9	49	-	2	2	
38	14	10	24	50	-	2	2	
39	12	6	18	Sum	115	90	205	
40	13	4	17	Average size	Males:	39.17	feet	
41	13	4	17			Females:	40.41	"
42	12	15	27				Total animals:	39.71
43	6	4	10	Per cent	Males:			56.10
44	4	5	9			Females:		43.90
45	3	6	9					

Sei-whales.

35	2	8	10	51	8	33	41	
36	9	10	19	52	1	26	27	
37	1	11	12	53	1	22	23	
38	4	11	15	54	1	11	12	
39	6	11	17	55	-	2	2	
40	45	41	86	56	-	3	3	
41	27	30	57	57	1	-	1	
42	39	24	63	Sum	366	530	¹⁾ 896	
43	34	27	61	Average size	Males:	44.01	feet	
44	41	34	75			Females:	45.80	"
45	35	29	64				Total animals:	45.07
46	29	35	64	Per cent	Males:			40.85
47	30	40	70			Females:		59.15
48	25	42	67					
49	15	40	55					
50	12	40	52					

¹⁾ In addition 12 sei-whales lost.

Sperm-whales.

24	-	1	1	45	31	-	31	
27	-	1	1	46	28	-	28	
28	-	2	2	47	18	-	18	
29	2	6	8	48	17	-	17	
30	2	12	14	49	16	-	16	
31	1	8	9	50	14	-	14	
32	2	4	6	51	2	-	2	
33	-	3	3	52	5	-	5	
35	123	269	392	53	3	-	3	
36	119	167	286	54	1	-	1	
37	104	42	146	57	1	-	1	
38	92	14	106	Sum	949	533	¹⁾ 1,482	
39	82	1	83	Average size	Males:	39.74	feet	
40	87	1	88			Females:	35.26	"
41	63	1	64				Total animals:	38.12
42	54	1	55	Per cent	Males:			64.04
43	34	-	34			Females:		35.96
44	48	-	48					

¹⁾ In addition 7 sperm-whales lost.

Table No. 8 (continued).

Bryde-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	-	2	2	52	-	2	2
39	1	1	2	55	-	1	1
40	-	1	1	Sum	18	22	40
41	1	-	1	Average size { Males: 42.72 feet Females: 45.91 " Total animals: 44.48 " Per cent { Males: 45.00 Females: 55.00			
43	2	1	3				
44	3	1	4				
45	1	1	2				
46	2	1	3				
47	5	5	10				
48	2	3	5				
49	1	1	2				
50	-	2	2				

5. South Atlantic Ocean, pelagic.

(Catch by floating factories on voyage to the Antarctic whaling grounds.) North of 40° South Latitude.

Sperm-whales.

Engl. feet.	Number of		Total animals.	Average size { Males: 41.50 feet Females: 35.13 " Total animals: 38.31 "
	males.	females.		
31	-	1	1	Per cent { Males: 50.00 Females: 50.00
32	-	2	2	
33	-	1	1	
34	-	1	1	
38	3	-	3	
39	-	2	2	
40	1	-	1	
41	1	1	2	
43	1	-	1	
45	1	-	1	
49	1	-	1	
Sum	8	8	16	

6. Brazil.

Humpbacks.

Engl. feet.	Number of		Total animals.	Average size { Males: 42.40 feet Females: 40.67 " Total animals: 41.75 "
	males.	females.		
33	1	-	1	Per cent { Males: 62.50 Females: 37.50
34	1	1	2	
42	-	1	1	
43	1	-	1	
46	-	1	1	
51	2	-	2	
Sum	5	3	8	

Table No. 8 (continued).

Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
39	2	-	2	56	2	6	8
40	3	2	5	57	1	2	3
41	1	1	2	58	1	-	1
42	-	2	2	59	-	2	2
43	2	1	3	60	-	-	-
44	2	-	2	63	-	1	1
45	3	-	3	64	2	-	2
46	7	3	10	Sum	170	124	294
47	15	3	18	Average size { Males: 49.72 feet Females: 51.07 " Total animals: 50.29 " Per cent { Males: 57.82 Females: 42.18			
48	18	7	25				
49	26	12	38				
50	24	20	44				
51	26	21	47				
52	15	12	27				
53	8	12	20				
54	5	15	20				
55	7	2	9				

Sperm-whales.

29	-	1	1	Average size { Males: 41.63 feet Females: 35.67 " Total animals: 40.00 " Per cent { Males: 72.73 Females: 27.27			
34	2	-	2				
35	1	-	1				
36	1	1	2				
42	-	1	1				
47	1	-	1				
48	1	-	1				
49	1	-	1				
50	1	-	1				
Sum	8	3	11				

7. Azores.

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Totals animals.
	males.	females.			males	females	
16	2	-	2	44	5	-	5
20	1	1	2	46	35	-	35
21	1	-	1	47	6	-	6
23	7	2	9	48	14	-	14
26	5	14	19	49	37	-	37
28	1	1	2	50	2	-	2
29	2	1	3	51	6	-	6
30	44	22	66	52	19	-	19
31	3	6	9	54	2	-	2
32	1	1	2	56	3	-	3
33	66	54	120	Sum	329	156	485
34	6	18	24	Average size { Males: 39.38 feet Females: 32.47 " Total animals: 37.16 " Per cent { Males: 67.84 Females: 32.16			
35	2	6	8				
36	14	25	39				
37	3	1	4				
38	1	1	2				
39	18	2	20				
42	2	-	2				
43	21	1	22				

Table No. 8 (continued).

8. Madeira.**Right-whale.**

1 female — 50 feet.

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
26	1	—	1	48	3	—	3
31	1	—	1	49	2	—	2
32	1	—	1	50	4	—	4
33	2	1	3	51	7	—	7
34	1	—	1	52	5	—	5
35	4	—	4	53	5	—	5
36	2	—	2	54	5	—	5
37	4	—	4	55	1	—	1
38	3	—	3	56	1	—	1
39	2	—	2	Sum	85	1	86
40	5	—	5	Average size {			Males: 44.44 feet
41	6	—	6	Average size {			Females: 33.00 "
42	3	—	3	Average size {			Total animals: 44.30 "
43	6	—	6	Per cent {			Males: 98.84
44	2	—	2	Per cent {			Females: 1.16
45	3	—	3				
46	4	—	4				
47	2	—	2				

9. Spain.

Baleen whales,

not specified: 41 males and 14 females, total 55.

Sperm-whales: 140 " " 42 " " 182.

10. Norway.**Fin-whales.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
49	—	1	1	66	4	3	7
50	6	4	10	67	2	4	6
51	6	2	8	68	1	9	10
52	6	3	9	69	—	4	4
53	—	1	1	70	—	4	4
54	4	1	5	71	—	3	3
55	3	1	4	72	—	1	1
56	4	4	8	73	—	1	1
57	5	4	9	Sum	93	87	180
58	6	3	9	Average size {			Males: 59.01 feet
59	3	4	7	Average size {			Females: 62.01 "
60	6	5	11	Average size {			Total animals: 60.46 "
61	5	2	7	Per cent {			Males: 51.67
62	9	8	17	Per cent {			Females: 48.33
63	12	9	21				
64	5	3	8				
65	6	3	9				

Table No. 8 (continued).

Sei-whales.

Engl. feet.	Number of		Total animals.	Average size: Females: 46.25 ft.
	males	females		
43	—	1	1	
47	—	2	2	
48	—	1	1	
Sum	—	4	4	

Sperm-whales.

Engl. feet.	males.
43	1
45	2
47	9
48	4
49	5
50	5
52	2
53	2
54	1
Sum	31

Average size:
Males: 48.61 feet.

11. Iceland.

Blue-whales.

Engl. feet.	Number of		Total animals.	Average size { Males: 70.00 feet Females: 74.60 " Total animals: 73.83 " Per cent { Males: 16.67 Females: 83.33
	males.	females.		
66	—	1	1	
70	1	—	1	
73	—	1	1	
75	—	1	1	
78	—	1	1	
81	—	1	1	
Sum	1	5	6	

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
48	2	—	2	66	1	4	5
50	1	2	3	67	1	4	5
51	2	5	7	68	—	8	8
53	4	2	6	69	1	3	4
54	1	3	4	70	—	2	2
55	3	5	8	71	—	1	1
56	5	1	6	72	—	2	2
57	7	2	9	Sum	97	81	178
58	10	1	11	Average size { Males: 59.40 feet Females: 61.83 " Total animals: 60.51 " Per cent { Males: 54.49 Females: 45.51			
59	9	4	13				
60	9	3	12				
61	16	3	19				
62	9	4	13				
63	9	12	21				
64	5	9	14				
65	2	1	3				

Table No. 8 (continued).

Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
37	2	—	2	49	—	1	1
38	1	1	2	50	—	1	1
39	2	—	2	Sum	27	40	67
40	1	1	2	Average size { Males: 42.63 feet			
41	—	2	2	{ Females: 44.95 "			
42	5	2	7	{ Total animals: 44.01 "			
43	5	4	9	Per cent { Males: 40.30			
44	5	4	9	{ Females: 59.70			
45	2	9	11				
46	2	6	8				
47	2	6	8				
48	—	3	3				

Sperm-whales.

Engl feet	Males
41	1
44	4
45	1
46	6
47	8
48	6
49	10
50	8
51	14
52	24
53	19
54	9
55	6
56	3
57	1
Sum	120

Average size: Males: 50.85 feet.

12. Newfoundland.

Fin-whales.

Engl. feet.	Number of		Total animals.	Average size { Males: 57.17 feet
	males.	females.			{ Females: 56.50 "
50	1	2	3	{ Total animals: 56.79 "
52	1	—	1	Per cent { Males: 42.86
56	—	1	1		{ Females: 57.14
57	1	1	2	
58	—	2	2	
60	—	1	1	
61	2	—	2	
62	1	—	1	
63	—	1	1	
Sum	6	8	14	

Table No. 8 (continued).

Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
37	2	—	2	49	—	1	1
38	2	2	4	50	1	2	3
39	2	1	3	Sum	29	47	76
40	1	1	2	Average size { Males: 42.72 feet Females: 44.89 „ Total animals: 44.07 „ Per cent { Males: 38.16 Females: 61.84			
41	—	2	2				
42	5	2	7				
43	5	5	10				
44	5	4	9				
45	2	9	11				
46	2	6	8				
47	2	8	10				
48	—	4	4				

Sperm-whales.

Engl. feet.	Males
41	1
43	1
44	4
45	3
46	6
47	17
48	10
49	15
50	13
51	14
52	26
53	21
54	11
55	6
56	3
57	1
Sum	152

Average size: Males: 50.41 feet.

14. California.

Blue-whales.

Engl. feet.	Number of		Total animals.	Average size {	Males: 65 00 feet
	males.	females.				Females: 71.50 „
65	1	2	3	Total animals: 70 20 „	
74	—	1	1		
82	—	1	1		
Sum	1	4	5	Per cent {	Males: 20 00
					Females: 80 00

Table No. 8 (continued).

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
50	2	5	7	68	—	7	7
51	—	2	2	69	—	2	2
53	1	3	4	70	—	1	1
54	2	—	2	71	—	1	1
56	2	2	4	74	—	1	1
57	3	3	6	75	—	1	1
58	7	2	9	Sum	49	57	106
59	3	1	4	Average size { Males: 59.96 feet			
60	3	3	6	{ Females: 62.02 "			
61	8	1	9	{ Total animals: 61.07 "			
62	7	2	9	Per cent { Males: 46.23			
63	3	4	7	{ Females: 53.77			
64	3	4	7				
65	3	6	9				
66	1	3	4				
67	1	3	4				

Humpbacks.

33	—	1	1	47	—	5	5
35	9	19	28	48	—	4	4
36	3	6	9	49	—	2	2
37	5	7	12	Sum	58	82	140
38	3	6	9	Average size { Males: 39.93 feet			
39	5	4	9	{ Females: 40.04 "			
40	3	2	5	{ Total animals: 39.99 "			
41	7	3	10	Per cent { Males: 41.43			
42	7	10	17	{ Females: 58.57			
43	8	3	11				
44	6	4	10				
45	2	3	5				
46	—	3	3				

Sei-whales.

35	—	1	1	50	1	2	3
38	—	1	1	51	—	1	1
40	1	1	2	Sum	10	29	39
41	—	1	1	Average size { Males: 45.20 feet			
42	1	1	2	{ Females: 45.93 "			
43	—	2	2	{ Total animals: 45.74 "			
44	1	1	2	Per cent { Males: 25.64			
45	2	1	3	{ Females: 74.36			
46	3	1	4				
47	—	8	8				
48	1	4	5				
49	—	4	4				

Table No. 8 (continued).

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals
	males.	females.			males.	females.	
35	—	1	1	49	1	—	1
36	1	—	1	52	1	—	1
37	1	—	1	Sum	16	1	17
38	1	—	1	Average size { Males: 43.06 feet Females: 35.00 „ Total animals: 42.59 „ Per cent { Males: 94.12 Females: 5.88			
39	1	—	1				
40	1	—	1				
41	2	—	2				
43	3	—	3				
46	2	—	2				
47	1	—	1				
48	1	—	1				

15. British Columbia.

Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
59	—	1	1	77	1	2	3
61	—	1	1	78	—	1	1
65	1	—	1	80	—	1	1
66	—	1	1	Sum	11	17	28
67	1	—	1	Average size { Males: 71.55 feet Females: 71.53 „ Total animals: 71.54 „ Per cent { Males: 39.29 Females: 60.71			
68	—	2	2				
69	—	2	2				
70	1	—	1				
71	1	1	2				
72	2	—	2				
73	3	1	4				
74	1	2	3				
76	—	2	2				

Fin-whales.

44	—	1	1	63	7	12	19
45	1	1	2	64	6	14	20
47	3	2	5	65	4	13	17
48	—	2	2	66	3	16	19
50	20	18	38	67	—	6	6
51	11	5	16	68	—	5	5
52	7	6	13	69	1	4	5
53	10	8	18	70	—	2	2
54	13	6	19	Sum	194	175	369
55	9	1	10	Average size { Males: 56.89 feet Females: 59.54 „ Total animals: 58.15 „ Per cent { Males: 52.57 Females: 47.43			
56	5	7	12				
57	19	1	20				
58	17	4	21				
59	17	9	26				
60	16	9	25				
61	15	18	33				
62	10	5	15				

Table No. 8 (continued).

Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
28	1	—	1	47	—	1	1
34	—	1	1	51	1	—	1
35	1	1	2	Sum	16	11	27
36	1	1	2	Average size { Males: 39.56 feet Females: 40.73 " Total animals: 40.04 " Per cent { Males: 59.26 Females: 40.74			
37	2	—	2				
38	3	—	3				
40	—	1	1				
41	2	1	3				
42	2	3	5				
43	3	—	3				
44	—	1	1				
45	—	1	1				

Sei-whales.

33	1	—	1	47	12	8	20
35	1	—	1	48	2	14	16
36	1	—	1	49	1	4	5
37	3	1	4	52	—	1	1
38	3	1	4	Sum	116	69	185
39	5	1	6	Average size { Males: 43.28 feet Females: 45.04 " Total animals: 43.94 " Per cent { Males: 62.70 Females: 37.30			
40	3	3	6				
41	12	8	20				
42	7	—	7				
43	19	6	25				
44	15	5	20				
45	21	10	31				
46	10	7	17				

Sperm-whales.

30	—	1	1	48	5	—	5
31	1	—	1	49	8	—	8
32	1	1	2	50	6	—	6
33	5	2	7	51	2	—	2
34	—	2	2	52	2	—	2
35	15	25	40	53	3	—	3
36	4	7	11	Sum	215	45	260
37	20	5	25	Average size { Males: 41.38 feet Females: 35.20 " Total animals: 40.31 " Per cent { Males: 82.69 Females: 17.31			
38	16	2	18				
39	25	—	25				
40	19	—	19				
41	13	—	13				
42	18	—	18				
43	13	—	13				
44	12	—	12				
45	7	—	7				
46	11	—	11				
47	9	—	9				

Table No. 8 (continued).

16. North Pacific Ocean and Bering Sea, pelagic.

Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
68	1	—	1	83	2	2	4
69	—	1	1	84	2	—	2
70	—	1	1	85	—	3	3
71	1	1	2	89	—	1	1
73	1	—	1	Sum	48	22	70
74	4	—	4	Average size { Males: 77.79 feet Females: 79.05 „ Total animals: 78.19 „ Per cent { Males: 68.57 Females: 31.43			
75	4	2	6				
76	5	2	7				
77	5	2	7				
78	6	2	8				
79	8	—	8				
80	5	1	6				
81	1	1	2				
82	3	3	6				

Fin-whales.

53	1	—	1	68	5	30	35
54	6	—	6	69	2	25	27
55	11	15	26	70	1	17	18
56	21	26	47	71	—	9	9
57	42	26	68	72	—	5	5
58	63	37	100	73	—	4	4
59	85	46	131	Sum	762	688	1,450
60	98	47	145	Average size { Males: 60.95 feet Females: 63.13 „ Total animals: 61.98 „ Per cent { Males: 52.55 Females: 47.45			
61	108	37	145				
62	103	52	155				
63	88	62	150				
64	70	67	137				
65	36	64	100				
66	15	65	80				
67	7	54	61				

Sei-whales.

43	—	1	1	Average size { Males: 48.00 feet Females: 49.52 „ Total animals: 49.00 „ Per cent { Males: 34.37 Females: 65.63			
44	—	1	1				
45	1	—	1				
46	1	1	2				
47	2	1	3				
48	3	1	4				
49	2	3	5				
50	1	7	8				
51	1	2	3				
52	—	2	2				
54	—	1	1				
55	—	1	1				
Sum	11	21	32				

Table No. 8 (continued).

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
38	17	1	18	52	64	—	64
39	64	1	65	53	38	—	38
40	85	—	85	54	12	—	12
41	120	—	120	55	7	—	7
42	138	—	138	Sum	1,798	2	1,800
43	146	—	146	Average size { Males: 45.73 feet Females: 38.50 „ Total animals: 45.72 „ Per cent { Males: 99.89 Females: 0.11			
44	144	—	144				
45	157	—	157				
46	141	—	141				
47	171	—	171				
48	143	—	143				
49	123	—	123				
50	140	—	140				
51	88	—	88				

17. Kamtchatka.

Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
70	1	—	1	82	1	1	2
73	3	1	4	83	—	1	1
74	1	2	3	Sum	11	11	22
75	1	1	2	Average size { Males: 76.00 feet Females: 77.91 „ Total animals: 76.95 „ Per cent { Males: 50.00 Females: 50.00			
77	—	1	1				
78	1	—	1				
79	2	2	4				
80	1	1	2				
81	—	1	1				

Fin-whales.

55	9	2	11	69	—	3	3
56	5	6	11	70	—	1	1
57	1	—	1	Sum	56	76	132
58	4	1	5	Average size { Males: 59.52 feet Females: 62.82 „ Total animals: 61.42 „ Per cent { Males: 42.42 Females: 57.58			
59	8	5	13				
60	7	4	11				
61	9	4	13				
62	4	12	16				
63	2	4	6				
64	2	13	15				
65	4	4	8				
66	1	13	14				
67	—	4	4				

Table No 8 (continued).

Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	7	4	11	47	—	1	1
36	3	1	4	49	—	5	5
37	3	1	4	Sum	30	44	74
38	3	2	5	Average size { Males: 38.43 feet			
39	4	3	7	{ Females: 42.52 „			
40	2	3	5	{ Total animals: 40.86 „			
41	1	3	4	Per cent { Males: 40.54			
42	5	2	7	{ Females: 59.46			
43	—	4	4				
44	2	5	7				
45	—	6	6				
46	—	4	4				

Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
40	1	2	3	52	1	2	3
41	—	1	1	54	1	—	1
42	1	1	2	Sum	40	53	93
43	3	3	6	Average size { Males: 46.58 feet			
44	2	1	3	{ Females: 47.40 „			
45	6	2	8	{ Total animals: 47.04 „			
46	8	11	19	Per cent { Males: 43.01			
47	6	8	14	{ Females: 56.99			
48	5	1	6				
49	4	4	8				
50	—	11	11				
51	2	6	8				

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
28	—	1	1	50	172	—	172
31	—	1	1	51	103	—	103
32	—	1	1	52	51	—	51
33	—	1	1	53	16	—	16
34	1	3	4	54	3	—	3
35	1	2	3	57	1	—	1
36	—	1	1	Sum	1,540	18	1,558 ¹⁾
37	3	3	6	Average size { Males: 45.76 feet			
38	92	3	95	{ Females: 35.33 „			
39	101	1	102	{ Total animals: 45.64 „			
40	65	1	66	Per cent { Males: 98.84			
41	69	—	69	{ Females: 1.16			
42	57	—	57				
43	107	—	107				
44	73	—	73				
45	73	—	73				
46	115	—	115				
47	103	—	103				
48	138	—	138				
49	196	—	196				

¹⁾ In addition 2 sperm-whales lost.

Table (continued).

18. Kuril Islands.

Blue-whales.

Engl. feet.	Number of		Total animals.	
	males.	females.		
70	1	2	3	Average size { Males: 74.00 feet Females: 74.00 „ Total animals: 74.00 „ Per cent { Males: 52.63 Females: 47.37
71	—	1	1	
72	—	1	1	
73	6	—	6	
75	—	2	2	
76	1	1	2	
77	1	1	2	
79	1	—	1	
80	—	1	1	
Sum	10	9	19	

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
50	1	—	1	67	3	10	13
51	—	1	1	68	—	2	2
52	1	—	1	69	1	1	2
53	2	—	2	70	—	4	4
54	—	1	1	71	1	—	1
55	13	8	21	73	—	1	1
56	6	7	13	Sum	114	109	223
57	8	7	15	Average size { Males: 60.20 feet Females: 61.70 „ Total animals: 60.93 „ Per cent { Males: 51.12 Females: 48.88			
58	7	3	10				
59	9	10	19				
60	11	6	17				
61	16	7	23				
62	11	12	23				
63	4	7	11				
64	8	12	20				
65	4	3	7				
66	8	7	15				

Humpbacks.

31	—	1	1	Average size { Males: 37.00 feet Females: 38.67 „ Total animals: 38.00 „ Per cent { Males: 40.00 Females: 60.00
36	1	—	1	
38	1	—	1	
39	—	1	1	
46	—	1	1	
Sum	2	3	5	

Table No. 8 (continued).

Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.		
	males.	females.			males.	females.			
38	—	1	1	53	2	2	4		
39	3	1	4	54	5	1	6		
40	3	3	6	55	1	2	3		
41	8	2	10	56	—	2	2		
42	2	1	3	57	1	—	1		
43	9	3	12	58	1	—	1		
44	4	2	6	Sum	80	51	131		
45	3	5	8	Average size { Males: 46.79 feet Females: 47.47 „ Total animals: 47.05 „ Per cent { Males: 61.07 Females: 38.93					
46	6	2	8						
47	9	4	13						
48	5	5	10						
49	3	6	9						
50	7	2	9						
51	2	2	4						
52	6	5	11						

Sperm-whales.

31	—	3	3	49	32	—	32		
32	6	1	7	50	41	—	41		
33	10	7	17	51	36	—	36		
34	11	2	13	52	19	—	19		
35	338	95	433	53	18	—	18		
36	280	70	350	54	12	—	12		
37	180	37	217	55	3	—	3		
38	142	32	174	56	1	—	1		
39	131	28	159	Sum	1,561	308	1,869 ¹⁾		
40	112	22	134	Average size { Males: 39.04 feet Females: 36.62 „ Total animals: 38.65 „ Per cent { Males: 83.52 Females: 16.48					
41	61	8	69						
42	34	3	37						
43	15	—	15						
44	11	—	11						
45	13	—	13						
46	15	—	15						
47	20	—	20						
48	20	—	20						

¹⁾ In addition 9 sperm-whales lost.

19. Japan.

Blue-whales.

Engl. feet.	Number of		Total animals.	Average size { Males: 67.00 feet Females: 75.50 „ Total animals: 73.80 „ Per cent { Males: 20.00 Females: 80.00
	males.	females.		
67	1	—	1	
70	—	1	1	
73	—	1	1	
75	—	1	1	
84	—	1	1	
Sum	1	4	5	

Table No. 8 (continued).

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
50	9	7	16	64	-	3	3
51	10	11	21	65	-	5	5
52	10	9	19	66	-	1	1
53	-	3	3	67	-	5	5
54	1	5	6	68	-	2	2
55	1	2	3				
56	3	1	4	Sum	60	67	127
57	4	-	4				
58	1	1	2				
59	5	1	6	Average size	Males: 55.18 feet		
60	8	4	12		Females: 57.01 "		
61	4	1	5		Total animals: 56.15 "		
62	3	4	7	Per cent	Males: 47.24		
63	1	2	3		Females: 52.76		

Humpbacks.

35	-	1	1	Average size	Males: 41.50 feet		
36	1	-	1		Females: 42.00 "		
47	1	-	1		Total animals: 41.75 "		
49	-	1	1	Per cent	Males: 50.00		
Sum	2	2	4		Females: 50.00		

Sei-whales.

35	22	15	37	48	17	37	54	
36	49	38	87	49	4	35	39	
37	37	22	59	50	2	20	22	
38	36	27	63	51	-	5	5	
39	39	25	64	52	1	1	2	
40	61	33	94	Sum	766	574	1,340	
41	80	38	118					
42	82	41	123	Average size	Males: 41.96 feet			
43	70	57	127		Females: 43.16 "			
44	85	28	113		Total animals: 42.48 "			
45	87	55	142	Per cent	Males: 57.16			
46	58	50	108		Females: 42.84			
47	36	47	83					

Sperm-whales.

31	-	4	4	47	3	-	3	
32	-	3	3	48	9	-	9	
33	1	5	6	49	4	-	4	
34	-	9	9	50	5	-	5	
35	183	569	752	52	5	-	5	
36	204	418	622	53	2	-	2	
37	228	106	334	Sum	919	1,184	2,103 ¹⁾	
38	113	44	157					
39	56	18	74	Average size	Males: 37.51 feet			
40	51	7	58		Females: 35.70 "			
41	15	1	16		Total animals: 36.49 "			
42	13	-	13	Per cent	Males: 43.70			
43	10	-	10		Females: 56.30			
44	6	-	6					
45	7	-	7					
46	4	-	4					

¹⁾ In addition 1 sperm-whale lost.

Table No. 8 (continued).

**20. Ryukyu Islands.
Humpbacks.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
32	1	-	1	46	2	10	12
33	2	2	4	47	1	4	5
34	1	1	2	48	-	2	2
35	8	11	19	50	-	1	1
36	10	7	17	Sum	109	108	217
37	8	11	19	Average size { Males: 39.63 feet			
38	12	2	14	{ Females: 40.86 „			
39	7	8	15	{ Total animals: 40.24 „			
40	16	5	21	Per cent { Males: 50.23			
41	15	11	26	{ Females: 49.77			
42	6	8	14				
43	8	10	18				
44	7	5	12				
45	5	10	15				

Sperm-whales.

Engl. feet.	Number of males.
37	1
38	2
39	1
41	3
Sum	7

Average: Males: 39.29 feet.

21. Summary Pacific North.

(California, British Columbia, North Pacific Ocean and Bering Sea,
Kamtschatka and Kuril Islands, Japan and Ryukyu Islands).

Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
59	-	1	1	79	11	2	13
61	-	1	1	80	6	4	10
65	2	2	4	81	1	2	3
66	-	1	1	82	4	5	9
67	2	-	2	83	2	3	5
68	1	2	3	84	2	1	3
69	-	3	3	85	-	3	3
70	3	4	7	89	-	1	1
71	2	3	5	Sum	82	67	149
72	2	1	3	Average size { Males: 75.96 feet			
73	13	3	16	{ Females: 75.61 „			
74	6	5	11	{ Total animals: 75.81 „			
75	5	6	11	Per cent { Males: 55.03			
76	6	5	11	{ Females: 44.97			
77	7	6	13				
78	7	3	10				

Table No. 8 (continued),

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
44	—	1	1	65	51	95	146
45	1	1	2	66	28	105	133
47	3	2	5	67	11	82	93
48	—	2	2	68	5	46	51
50	32	30	62	69	4	35	39
51	21	19	40	70	1	25	26
52	18	15	33	71	1	10	11
53	14	14	28	72	—	5	5
54	22	12	34	73	—	5	5
55	43	28	71	74	—	1	1
56	42	49	91	75	—	1	1
57	77	37	114	Sum	1,235	1,172	2,407
58	99	48	147	Average size	Males: 59.86 feet		
59	127	72	199		Females: 62.04 "		
60	143	73	216		Total animals: 60.92 "		
61	160	68	228	Per cent	Males: 51.31		
62	138	87	225		Females: 48.69		
63	105	91	196				
64	89	113	202				

Humpbacks.

28	1	—	1	46	2	18	20
31	—	1	1	47	2	11	13
32	1	—	1	48	—	6	6
33	2	3	5	49	—	8	8
34	1	2	3	50	—	1	1
35	25	36	61	51	1	—	1
36	19	15	34	Sum	217	250	467
37	18	19	37	Average size	Males: 39.53 feet		
38	22	10	32		Females: 40.86 "		
39	16	16	32		Total animals: 40.24 "		
40	21	11	32	Per cent	Males: 46.47		
41	25	18	43		Females: 53.53		
42	20	23	43				
43	19	17	36				
44	15	15	30				
45	7	20	27				

Sei-whales.

33	1	—	1	50	11	42	53
35	23	16	39	51	5	16	21
36	50	38	88	52	8	11	19
37	40	23	63	53	2	2	4
38	39	30	69	54	6	2	8
39	47	27	74	55	1	3	4
40	69	42	111	56	—	2	2
41	100	50	150	57	1	—	1
42	93	44	137	58	1	—	1
43	101	72	173	Sum	1,023	797	1,820
44	107	38	145	Average size	Males: 42.77 feet		
45	120	73	193		Females: 44.15 "		
46	86	72	158		Total animals: 43.37 "		
47	65	76	141	Per cent	Males: 56.21		
48	33	62	95		Females: 43.79		
49	14	56	70				

Table No. 8 (continued).

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
28	—	1	1	48	316	—	316
30	—	1	1	49	364	—	364
31	1	8	9	50	364	—	364
32	7	6	13	51	229	—	229
33	16	15	31	52	142	—	142
34	12	16	28	53	77	—	77
35	537	692	1229	54	27	—	27
36	489	496	985	55	10	—	10
37	433	151	584	56	1	—	1
38	383	82	465	57	1	—	1
39	379	48	427	Sum	6,056	1,558	1) 7,614
40	333	30	363	Average size { Males: 42.60 feet			
41	283	9	292	{ Females: 35.87 "			
42	260	3	263	{ Total animals: 41.22 "			
43	294	—	294	Per cent { Males: 79.54			
44	246	—	246	{ Females: 20.46			
45	257	—	257				
46	288	—	288				
47	307	—	307				

1) In addition 12 sperm-whales lost.

22. Peru.

Sei-whales.

1 male.

Sperm-whales.

2,148 males, 1,251 females, total 3,399 animals. Length not stated.

23. Chile.¹⁾

Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
65	1	—	1	80	2	3	5
67	1	—	1	81	1	1	2
69	2	2	4	82	—	1	1
70	2	1	3	83	1	1	2
71	3	1	4	Sum	39	22	61
72	3	2	5	Average size { Males: 74.64 feet			
73	1	1	2	{ Females: 75.68 "			
74	5	4	9	{ Total animals: 75.02 "			
75	2	1	3	Per cent { Males: 63.93			
76	6	—	6	{ Females: 36.07			
77	5	1	6				
78	2	2	4				
79	2	1	3				

1) No specifications received from one company. The total catch of this company was 19 blue-whales, 20 fin-whales, 3 humpbacks, 11 sei-whales and 266 sperm-whales.

Table No. 8 (continued).

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
50	—	1	1	63	1	—	1
52	3	1	4	66	1	1	2
53	—	1	1	71	—	1	1
54	1	2	3	Sum	29	21	50
55	3	2	5	Average size { Males: 58.14 feet Females: 57.47 „ Total animals: 57.86 „			
56	2	3	5				
57	3	2	5	Per cent { Males: 58.00 Females: 42.00			
58	2	3	5				
59	2	1	3				
60	7	1	8				
61	3	2	5				
62	1	—	1				

Sei-whales.

35	1	—	1	Average size { Males: 39.25 feet Females: 37.50 „ Total animals: 38.67 „			
36	—	1	1				
39	—	1	1	Per cent { Males: 66.67 Females: 33.33			
40	1	—	1				
41	2	—	2				
Sum	4	2	6				

Sperm-whales.

32	1	1	2	51	9	—	9
33	1	4	5	52	4	—	4
34	3	17	20	53	4	—	4
35	173	638	811	54	1	—	1
36	106	254	360	55	3	—	3
37	90	55	145	56	1	—	1
38	85	22	107	58	2	—	2
39	90	13	103	59	2	—	2
40	50	6	56	60	1	—	1
41	35	1	36	Sum	784	1,012	1,796
42	12	1	13	Average size { Males: 39.04 feet Females: 35.49 „ Total animals: 37.04 „			
43	19	—	19				
44	17	—	17	Per cent { Males: 43.65 Females: 56.35			
45	10	—	10				
46	22	—	22				
47	10	—	10				
48	12	—	12				
49	14	—	14				
50	7	—	7				

24. Australia.

Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
62	1	—	1	Average size { Males: 67.00 feet Females: 69.86 „ Total animals: 68.67 „			
66	1	1	2				
67	1	—	1	Per cent { Males: 41.67 Females: 58.33			
70	2	3	5				
71	—	3	3				
Sum	5	7	12				

Table No. 8 (continued).

Fin-whales.
1 male — 50 feet.

Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.				
	males.	females.			males.	females.					
30	1	—	1	45	23	56	79				
32	—	1	1	46	7	39	46				
33	4	3	7	47	2	18	20				
34	3	2	5	48	—	10	10				
35	34	28	62	49	—	1	1				
36	60	38	98	50	—	1	1				
37	76	35	111	Sum	964	696	1,660				
38	119	57	176	Average size { Males: 39.93 feet Females: 41.17 " Total animals: 40.45 "							
39	123	55	178								
40	132	73	205								
41	129	78	207								
42	114	69	183								
43	87	65	152								
44	50	67	117								
								Per cent { Males: 58.07 Females: 41.93			

Sperm-whales.

Engl. feet.	Number of males.	Engl. feet.	Number of males.
36	4	46	13
37	9	47	11
38	8	48	8
39	4	49	6
40	10	50	6
41	3	51	3
42	8	52	6
43	10	53	1
44	14	Sum	138
45	14		

Average size: 44.08 feet.

25. New Zealand.

Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.				
	males.	females.			males.	females.					
35	8	7	15	47	1	5	6				
36	18	14	32	48	—	1	1				
37	14	16	30	49	—	2	2				
38	23	8	31	Sum	181	137	318				
39	15	10	25	Average size { Males: 39.92 feet Females: 40.93 " Total animals: 40.36 "							
40	23	10	33								
41	24	10	34								
42	24	5	29								
43	9	14	23								
44	16	13	29								
45	5	14	19								
46	1	8	9								
								Per cent { Males: 56.92 Females: 43.08			

Sei-whales.

44	—	1	1	Average size: 45 feet.			
46	—	1	1				
Sum	—	2	2				

**Table No. 9.—Average production of oil per “blue-whale unit”
in the summer season 1959.**

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

Geographical areas.	Company.	Blue-whale equivalents.	Oil production.	
			Total.	Average per blue-whale equivalent.
<i>Africa:—</i>				
Natal	No. 1	381.4	37,574	98.5
Cape Province	„ 1	275.5	18,750	68.1
Gabon ³⁾	„ 1	64.7	8,050	124.4
Total		721.6	64,374	89.2
<i>Brazil:—</i>				
Paraiba	No. 1	52.2	4,650	89.1
<i>North Atlantic and Arctic:—</i>				
Madeira	No. 1	0.5	95	190.0
Spain	„ 1	²⁾ —	(749)	—
	„ 2	²⁾ —	(531)	—
Norway	„ 1	49.7	3,792	76.3
	„ 2	41.0	2,834	69.1
Iceland	„ 1	106.2	7,894	74.3
Newfoundland	„ 1	7.7	640	83.1
	„ 2	0.2	23	115.0
Total		205.3	15,278	74.4
<i>Pacific North:—</i>				
California	No. 1	53.9	4,700	87.2
	„ 2	66.6	5,273	79.2
British Columbia	„ 1	254.1	15,383	60.5
Bering Sea, pelagic	„ 1	800.3	75,418	94.2
Kamtchatka, pelagic	„ 1	133.1	7,408	55.7
Kuril Islands	„ 1	154.3	10,581	68.6
Japan	„ 1	16.2	661	40.8
	„ 2	34.9	1,190	34.1
	„ 3	107.0	4,583	42.8
	„ 4	81.7	3,299	40.4
	„ 5	53.6	2,431	45.4
Ryukyu Islands	„ 1	36.0	2,406	66.8
	„ 2	35.6	1,768	49.7
	„ 3	15.2	1,028	67.6
Total		1,842.5	136,129	73.9
<i>Chile</i>				
	No. 1	87.0	4,886	56.2
	„ 2	32.5	1,164	35.8
Total		119.5	6,050	50.6
<i>Australia</i>				
	No. 1	60.0	8,710	145.2
	„ 2	264.0	39,000	147.7
	„ 3	222.9	24,678	110.7
	„ 4	60.0	7,800	130.0
	„ 5	69.6	8,217	118.1
Total		676.5	88,405	130.7
<i>New Zealand</i>				
	No. 1	85.6	10,758	125.7
	„ 2	41.9	5,580	133.2
Total		127.5	16,338	128.1

¹⁾ Barrel = 170 kg. (Barrel = abt. ¼ long ton, 1 long ton = 1,016 kg.) ²⁾ The baleen whales are not specified. ³⁾ In earlier publications French Congo.

**Table No. 10.—Average production of oil per sperm-whale
in the summer season 1959.**

Geographical areas.	Company.	Number of sperm-whales.	Oil production.	
			Total.	Average per sperm-whale.
<i>Africa:—</i>				
Natal	No. 1	817	22,866	28.0
Cape Province	„ 1	651	14,900	22.9
Gabon ²⁾	„ 1	14	230	16.4
Total		1,482	37,996	25.6
<i>South Atlantic Ocean, pelagic....</i>				
	No. 1	7	105	15.0
	„ 2	6	100	16.7
	„ 3	3	104	34.7
Total		16	309	19.3
<i>Brazil:—</i>				
Paraiba	No. 1	11	86	7.8
<i>North Atlantic and Arctic:—</i>				
Azores	No. 1	485	12,148	25.0
Madeira	„ 1	86	3,052	35.5
Spain	„ 1	1	26	26.0
	„ 2	112	2,136	19.1
	„ 3	69	1,818	26.3
Norway	„ 1	2	125	62.5
	„ 2	29	1,146	39.5
Iceland	„ 1	120	7,617	63.5
Newfoundland	„ 1	1	82	82.0
Total		905	28,150	31.1
<i>Pacific North:—</i>				
California	No. 1	8	188	23.5
	„ 2	9	269	29.9
British Columbia	„ 1	260	7,394	28.4
Bering Sea, pelagic	„ 1	1,600	74,471	46.5
	„ 2	200	10,335	51.7
Kamtschatka, pelagic	„ 1	1,558	68,621	44.0
Kuril Islands	„ 1	1,869	41,562	22.2
Japan	„ 1	308	5,546	18.0
	„ 2	248	4,322	17.4
	„ 3	852	17,631	20.7
	„ 4	409	7,927	19.4
	„ 5	286	5,058	17.7
Ryukyu Islands	„ 1	2	31	15.5
	„ 2	5	96	19.2
Total		7,614	243,451	32.0
<i>Peru</i>	No. 1	} 3,399	74,781	22.0
	„ 2			
	„ 3			
<i>Chile</i>	No. 1	1,796	28,798	16.0
	„ 2	266	10,003	37.6
Total		2,062	38,801	18.8
<i>Australia</i>	No. 1	1	46	46.0
	„ 2	137	5,860	42.8
Total		138	5,906	42.8

¹⁾ Barrel = 170 kg. (Barrel = abt. $\frac{1}{8}$ long ton, 1 long ton = 1,016 kg.) ²⁾ In earlier publications French Congo.

Table No. 11.—Whale fetuses measured in the summer season 1959.

Blue-whale fetuses.

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
<i>British Columbia</i>	8/9	80	14' 0"	F	<i>Kamchatka</i>	9/6	79	5' 10"	F
<i>Bering Sea</i>	20/7	83	9' 7"	M	<i>Kuril Islands</i>	3/6	72	10' 6"	M
Average length of fetuses:	21/7	75	9' 5"	M	<i>Chile</i>	21/11	80	4' 7"	F
10' 2"	24/7	77	8' 4"	F	Average length of fetuses:	"	82	6' 11"	M
	28/7	89	13' 3"	F	9' 1"	9/12	78	15' 9"	M
<i>Japan</i>	18/10	84	17' 0"	F	<i>Australia</i>	24/5	66	13' 0"	F

Fin-whale fetuses.

<i>Natal</i>					<i>British Columbia</i>				
Average length of fetuses:	27/6	66	12' 0"	M	Average length of fetuses:	7/4	66	1' 6"	M
6' 7"	11/7	73	10' 0"	F	6' 1"	13/4	63	14' 0"	M
	16/7	74	10' 0"	M		1/5	62	3' 2"	F
	20/7	61	0' 3"	M		2/5	66	3' 0"	F
	23/8	65	0' 6"	M		"	65	3' 1"	M
						10/5	61	2' 8"	M
<i>Cape Province</i>						11/5	65	2' 8"	M
Average length of fetuses:	22/7	67	12' 6"	F		31/5	66	4' 0"	M
7' 0"	13/10	75	1' 6"	F		3/6	66	1' 0"	M
						17/6	63	4' 0"	M
<i>Norway</i>						18/6	63	5' 0"	F
Average length of fetuses:	18/8	59	11' 0"	M		22/6	61	3' 0"	M
9' 0"	19/9	70	12' 0"	M		23/6	47	5' 0"	M
	26/9	63	4' 0"	M		8/7	64	7' 0"	M
			5' 0"	F		"	66	9' 0"	M
			13' 0"	M		11/7	69	7' 0"	F
<i>Iceland</i>						11/7	64	6' 0"	M
Average length of fetuses:	26/5	63	2' 6"	F		15/7	65	10' 0"	M
6' 1"	1/7	67	8' 0"	F		19/7	62	7' 0"	M
	6/7	61	1' 0"	F		24/7	61	2' 0"	M
	8/7	69	6' 0"	M		25/7	62	7' 0"	M
	9/7	64	5' 6"	M		27/7	62	8' 0"	F
	14/7	69	7' 0"	F		30/7	70	11' 0"	F
	20/8	68	5' 6"	M		2/8	64	11' 6"	F
	28/8	68	13' 0"	M		"	65	9' 0"	M
						13/8	65	9' 0"	M
<i>Newfoundland</i>						1/9	60	8' 0"	F
Average length of fetuses:	21/8	58	7' 0"	M	<i>Bering Sea</i>	27/5	69	6' 1"	F
7' 6"	3/9	60	8' 0"	M	Average length of fetuses:	28/5	68	4' 3"	M
					5' 4"	"	67	4' 3"	M
						"	66	5' 8"	M
<i>California</i>						29/5	64	2' 9"	M
Average length of fetuses:	23/5	68	19' 0"	M		"	67	3' 7"	F
6' 5"	4/6	66	3' 7"	M		"	59	1' 9"	F
	19/6	64	4' 9"	F		30/5	64	1' 3"	M
	20/6	68	1' 3"	M		"	63	0' 10"	M
	11/7	65	5' 0"	F		"	63	7' 0"	M
	16/7	64	5' 8"	F		"	70	4' 3"	M
	17/7	53	5' 8"	M		"	73	7' 2"	F
						31/5	64	5' 10"	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.).	31/5	62	4' 5"	M	<i>Bering Sea</i> (cont.).	10/6	66	3' 9"	F
	"	67	5' 2"	F		"	62	1' 9"	M
	"	68	5' 4"	M		"	62	2' 3"	M
	1/6	67	5' 5"	M		"	64	1' 5"	M
	"	68	5' 6"	F		"	65	6' 11"	F
	"	62	4' 7"	M		11/6	64	5' 0"	F
	"	61	3' 11"	M		"	64	3' 4"	F
	"	63	3' 9"	M		"	68	6' 4"	M
	2/6	64	5' 9"	F		12/6	66	4' 6"	F
	"	67	4' 0"	M		"	69	6' 10"	F
	"	64	3' 9"	F		13/6	62	4' 6"	M
	"	62	5' 9"	F		"	67	5' 1"	F
	"	62	5' 2"	F		"	67	8' 2"	F
	"	66	2' 6"	M		"	65	4' 5"	F
	"	65	5' 9"	M		"	71	4' 1"	F
	"	66	3' 10"	F		"	66	4' 6"	F
	"	71	2' 7"	M		"	60	5' 0"	M
	"	65	3' 10"	F		"	62	4' 7"	F
	"	63	4' 5"	F		14/6	66	4' 0"	F
	3/6	64	5' 1"	M		"	56	2' 11"	F
	"	72	6' 3"	F		"	64	2' 10"	F
	"	65	3' 3"	F		"	62	0' 1"	?
	"	66	5' 2"	F		"	66	4' 2"	M
	"	66	1' 9"	M		15/6	63	3' 10"	F
	"	69	6' 0"	F		"	62	5' 5"	F
	4/6	63	4' 2"	M		"	65	6' 6"	F
	"	68	2' 3"	M		"	63	3' 6"	M
	"	64	4' 2"	F		"	67	6' 10"	M
	"	69	4' 6"	F		"	68	12' 0"	?
	"	64	5' 6"	M		"	67	6' 7"	F
	"	64	4' 9"	F		"	61	4' 2"	M
	"	67	6' 1"	F		"	63	6' 10"	M
	"	66	2' 10"	F		"	63	3' 2"	M
	"	63	2' 9"	F		16/6	66	4' 6"	M
	5/6	62	5' 1"	M		"	67	6' 9"	M
	"	67	3' 6"	M		"	65	4' 11"	M
	6/6	65	5' 3"	F		"	67	5' 11"	M
	"	64	4' 7"	M		"	64	5' 9"	F
	"	63	4' 5"	F		"	66	6' 3"	F
	"	65	6' 4"	M		"	63	6' 0"	M
	"	65	4' 9"	M		"	66	2' 2"	M
	"	64	3' 0"	F		17/6	62	6' 2"	F
"	67	6' 0"	F	"	63	5' 0"	F		
"	63	3' 11"	M	"	59	3' 3"	F		
"	61	0' 8"	M	"	64	5' 4"	M		
"	66	1' 11"	M	18/6	64	3' 7"	F		
7/6	63	2' 7"	M	"	64	6' 1"	M		
"	66	3' 5"	F	"	61	1' 9"	F		
"	65	4' 11"	F	19/6	62	3' 7"	M		
"	66	5' 2"	F	"	65	3' 0"	F		
8/6	62	3' 5"	M	"	65	4' 5"	M		
"	63	2' 11"	F	"	69	5' 6"	M		
"	67	4' 2"	F	20/6	64	5' 1"	M		
"	59	3' 2"	F	"	64	6' 7"	M		
"	63	5' 0"	F	"	67	4' 11"	M		
9/6	65	6' 5"	F	"	62	2' 8"	F		
"	68	4' 3"	M	21/6	65	5' 5"	M		
"	68	5' 10"	F	"	67	4' 0"	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> (cont.).		Engl. ft.	Engl. ft.		<i>Bering Sea</i> (cont.).		Engl. ft.	Engl. ft.	
	21/6	61	4' 0"	M		4/7	68	4' 9"	M
	"	68	4' 11"	F		5/7	66	6' 11"	F
	"	63	1' 9"	M		"	60	2' 3"	M
	22/6	65	5' 3"	M		"	64	7' 0"	M
	"	66	3' 7"	M		"	64	7' 9"	F
	"	66	7' 11"	F		"	64	7' 2"	M
	"	65	2' 7"	M		"	65	7' 10"	F
	"	65	8' 10"	F		"	65	9' 1"	F
	"	66	4' 8"	F		"	63	5' 2"	M
	"	67	2' 7"	M		"	61	4' 5"	F
	"	67	5' 0"	F		"	60	1' 10"	M
	23/6	69	4' 8"	F		6/7	66	3' 0"	F
	"	64	0' 9"	F		"	71	6' 2"	M
	"	64	5' 9"	M		"	65	5' 2"	F
	"	66	2' 2"	M		"	64	2' 4"	F
	"	65	7' 7"	F		7/7	65	5' 10"	F
	"	70	6' 10"	F		"	69	5' 5"	M
	24/6	68	6' 3"	M		"	68	8' 1"	M
	"	71	6' 2"	M		"	65	1' 9"	M
	"	66	5' 6"	F		"	65	2' 5"	F
	"	65	6' 3"	M		8/7	66	4' 8"	M
	"	65	2' 8"	F		"	64	5' 8"	F
	"	67	5' 4"	F		"	60	4' 2"	F
	"	70	7' 2"	F		"	60	5' 6"	M
	25/6	70	4' 7"	F		"	63	0' 7"	F
	"	67	3' 7"	M		"	63	5' 9"	M
	"	63	4' 10"	M		"	63	7' 4"	F
	"	63	4' 8"	F		"	62	5' 3"	M
	"	65	1' 2"	F		"	63	6' 7"	F
	26/6	68	7' 4"	M		"	66	5' 6"	F
	"	67	1' 4"	F		"	65	7' 10"	F
	"	60	3' 0"	F		9/7	67	6' 4"	M
	27/6	62	3' 10"	F		"	65	7' 7"	M
	"	65	5' 9"	M		"	67	7' 7"	M
	28/6	64	7' 2"	F		"	65	6' 4"	M
	"	66	7' 7"	F		10/7	67	5' 0"	F
	"	70	3' 0"	F		"	64	6' 0"	F
	29/6	64	2' 8"	M		"	65	7' 11"	F
	"	65	6' 5"	M		"	61	5' 6"	F
	"	65	3' 11"	F		11/7	61	6' 3"	F
	"	65	6' 11"	F		"	68	6' 10"	F
	"	64	5' 7"	F		"	70	6' 5"	M
	30/6	70	5' 4"	F		"	69	7' 4"	F
	"	66	6' 10"	M		"	65	9' 8"	F
	"	64	6' 7"	M		"	66	9' 7"	M
	"	61	5' 4"	F		"	69	9' 9"	F
1/7	65	6' 3"	M	"	60	1' 4"	F		
"	67	5' 10"	M	"	66	6' 2"	F		
"	63	6' 1"	F	12/7	64	5' 0"	M		
"	65	7' 4"	M	"	64	6' 6"	M		
2/7	66	3' 9"	F	"	63	7' 11"	M		
"	61	1' 11"	F	13/7	64	5' 9"	F		
3/7	70	8' 6"	M	"	70	7' 7"	F		
"	64	6' 8"	F	"	66	7' 10"	M		
4/7	63	7' 2"	M	"	62	7' 10"	M		
"	64	7' 7"	F	"	67	6' 3"	M		
	64	7' 7"	F	14/7	65	3' 7"	M		
					62	7' 8"	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.).	14/7	62	4' 2"	M	<i>Bering Sea.</i> (cont.).	29/7	65	9' 2"	F	
	"	66	6' 8"	M		"	67	10' 10"	F	
	"	63	5' 6"	F		"	68	6' 7"	M	
	"	65	4' 3"	F		"	60	6' 7"	F	
	"	69	8' 0"	F		30/7	64	3' 2"	M	
	15/7	65	4' 10"	M		"	68	8' 11"	F	
	"	65	3' 9"	F		31/7	61	5' 4"	F	
	"	68	6' 4"	M		"	67	11' 5"	F	
	"	62	2' 3"	M		"	66	6' 10"	F	
	"	62	5' 7"	F		"	61	6' 6"	F	
	"	63	5' 4"	F		"	63	7' 0"	M	
	"	67	6' 0"	M		1/8	69	9' 5"	M	
	"	67	6' 3"	M		2/8	66	2' 1"	F	
	16/7	67	8' 6"	M		"	69	2' 4"	F	
	"	67	9' 0"	M		"	62	8' 7"	F	
	"	66	11' 9"	F		"	59	2' 6"	F	
	"	67	9' 10"	M		"	68	8' 3"	F	
	"	64	5' 4"	F		3/8	70	6' 0"	M	
	"	62	5' 0"	M		"	68	8' 8"	F	
	"	66	7' 11"	F		"	70	8' 5"	M	
	"	67	8' 1"	M		"	64	5' 2"	F	
	17/7	67	9' 0"	F		"	66	7' 4"	F	
	"	62	6' 5"	F		"	66	6' 8"	M	
	"	68	6' 6"	M		4/8	63	1' 9"	F	
	"	64	9' 1"	M		"	66	9' 0"	F	
	"	66	6' 2"	F		"	70	8' 6"	M	
	"	61	5' 2"	F						
	18/7	67	8' 1"	F		<i>Kamchatka</i> Average length of foetuses: 3' 7"	18/5	62	2' 0"	F
	"	69	8' 7"	M			20/5	63	3' 4"	F
	"	62	6' 0"	M			"	63	3' 8"	M
	19/7	63	8' 6"	F			8/6	62	4' 10"	F
	"	66	4' 7"	M			9/6	63	4' 2"	F
	"	68	4' 0"	F			10/6	62	3' 6"	M
	"	66	4' 11"	M						
	"	64	5' 3"	M						
	20/7	72	8' 1"	F		<i>Kuril Islands</i> Average length of foetuses: 4' 8"	13/5	67	3' 3"	F
	"	62	4' 6"	M			17/5	66	3' 11"	M
	21/7	68	8' 0"	F			24/5	66	5' 11"	F
	"	64	3' 0"	M			8/6	63	4' 3"	M
	23/7	64	4' 11"	M		14/6	57	4' 11"	F	
	"	71	9' 6"	M		"	59	5' 11"	F	
	"	73	5' 6"	M		24/6	62	4' 7"	F	
27/7	63	6' 5"	M							
28/7	66	6' 4"	M							
29/7	66	8' 0"	M	<i>Chile</i>	21/11	71	2' 7"	M		

Humpback foetuses.

<i>Natal</i>	14/9	42	1' 0"	M	<i>California</i> (cont.).	13/9	47	5' 0"	F
<i>Cape Province</i>	23/7	44	13' 5"	F		17/9	47	6' 5"	M
						24/9	44	3' 0"	F
<i>California</i> Average length of foetuses: 5' 0"	23/5	43	1' 0"	F		5/10	40	6' 0"	M
	1/6	47	1' 6"	M	13/10	45	9' 0"	F	
	2/6	42	2' 0"	M					
	4/9	42	11' 0"	M	<i>British Columbia</i> Average length of foetuses: 5' 0"	12/8	47	8' 0"	M
						15/8	45	2' 0"	M

Table No. 11 (continued).

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
<i>Kamtchatka</i>	18/5	49	3' 3"	F	<i>Australia.</i> (cont.).	4/8	41	12' 2"	F
<i>Ryukyu Islands</i>	27/2	42	12' 8"	M		5/8	44	11' 9"	F
<i>Australia</i> Average length of foetuses: 13' 2"	11/6	44	14' 6"	M		"	44	13' 10"	M
	19/6	47	13' 11"	M		"	45	13' 9"	M
	28/6	46	13' 11"	M		"	41	13' 0"	M
	1/7	45	12' 6"	M		"	44	12' 9"	M
	9/7	46	12' 0"	M		7/8	43	14' 0"	F
	11/7	41	14' 1'	M		"	45	8' 0"	F
	14/7	43	13' 11"	M		8/8	46	11' 9"	M
	"	41	13' 2"	F		9/8	42	11' 0"	F
	15/7	45	15' 0"	M	"	40	10' 0"	F	
	"	45	15' 5"	F	10/8	45	14' 9"	F	
	17/7	46	13' 5"	M	"	43	13' 4"	M	
	"	42	13' 8"	M	14/8	40	12' 0"	M	
	"	47	15' 2"	M	17/8	44	13' 4"	M	
	"	40	12' 6"	F	"	46	15' 0"	F	
	18/7	42	12' 3"	M	"	43	12' 9"	F	
	19/7	43	14' 7"	M	18/8	46	12' 6"	F	
	"	39	12' 10"	F	19/8	41	14' 0"	F	
	"	45	14' 0"	F	23/8	43	11' 6"	F	
	20/7	44	13' 9"	F	25/8	42	13' 5"	M	
	"	40	12' 8"	F	26/8	45	14' 0"	F	
21/7	44	15' 0"	M	31/8	44	13' 9"	F		
"	44	14' 0"	M	"	43	12' 6"	M		
"	43	13' 6"	M	5/9	45	14' 5"	F		
22/7	46	6' 6"	M	9/9	41	13' 4"	F		
"	46	12' 6"	M	<i>New Zealand</i> Average length of foetuses: 12' 10"	14/6	44	14' 4"	F	
23/7	45	14' 8"	M		17/6	44	9' 4"	M	
24/7	42	11' 0"	M		20/6	49	16' 5"	M	
25/7	44	13' 8"	M		22/6	45	15' 1"	F	
"	45	15' 2"	F		24/6	46	15' 5"	M	
26/7	41	13' 6"	M		27/6	43	12' 10"	M	
27/7	43	13' 8"	M		"	43	12' 8"	M	
"	39	10' 8"	M		2/7	44	14' 0"	F	
"	43	12' 0"	F		5/7	45	13' 1"	F	
"	47	12' 10"	M		11/7	46	15' 1"	M	
28/7	43	15' 6"	F		12/7	41	13' 5"	F	
30/7	40	13' 0"	M		13/7	41	13' 0"	M	
"	47	14' 6"	M		14/7	42	13' 5"	M	
"	44	14' 4"	M		"	45	12' 8"	M	
"	38	11' 10"	F		15/7	41	11' 11"	M	
31/7	41	12' 0"	M		"	47	14' 2"	M	
"	44	12' 3"	F		"	46	13' 4"	M	
"	45	12' 3"	F		"	41	12' 6"	M	
"	41	12' 8"	M		18/7	43	14' 3"	M	
2/8	47	14' 4"	F		23/7	40	12' 10"	F	
3/8	43	12' 8"	M	31/7	41	12' 8"	M		
"	45	14' 2"	F	"	46	13' 0"	M		
4/8	46	16' 0"	F	"	47	12' 10"	F		
"	43	13' 6"	F	"	40	13' 0"	M		
				13/10	44	0' 1"	?		

Table No. 11 (continued).

Sei-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.		<i>Bering Sea</i>		Engl. ft.	Engl. ft.	
Average length of foetuses: 9' 3"	7/6	53	14' 0"	F	Average length of foetuses: 5' 11"	27/5	48	4' 2"	M
	"	45	10' 0"	M		"	49	3' 7"	F
	21/8	52	12' 0"	M		"	50	4' 2"	F
	26/8	45	1' 2"	M		"	50	6' 0"	M
						1/6	46	5' 4"	F
<i>Cape Province</i>						20/7	51	7' 7"	F
Average length of foetuses: 0' 8"	18/8	50	0' 6"	M		"	44	5' 8"	F
	22/8	50	0' 7"	F		"	49	6' 6"	F
	"	47	0' 5"	F		"	50	4' 1"	M
	"	51	0' 5"	F		"	55	6' 0"	M
	"	51	0' 6"	M		22/7	52	9' 0"	M
	"	54	0' 7"	M		"	52	5' 6"	M
	23/8	51	0' 5"	M		"	51	7' 9"	F
	24/8	51	0' 6"	M		"	54	8' 2"	F
	"	50	0' 5"	M		28/7	50	5' 10"	F
	16/9	49	1' 0"	M		"	47	5' 9"	M
	23/9	56	1' 0"	M		"	50	7' 0"	F
	29/9	53	1' 6"	F		29/7	50	5' 8"	M
	1/11	55	1' 0"	M		"	50	4' 1"	M
<i>Iceland</i>	9/9	46	9' 0"	F	<i>Kuril Islands</i>				
<i>California</i>					Average length of foetuses: 5' 3"	31/5	49	4' 7"	F
Average length of foetuses: 7' 4"	10/8	48	8' 0"	F		25/8	43	5' 11"	M
	24/8	49	4' 0"	M					
	2/10	51	10' 0"	F	<i>Japan</i>				
<i>British Columbia</i>					Average length of foetuses: 6' 10"	25/5	38	4' 0"	F
Average length of foetuses: 4' 2"	8/4	48	1' 10"	M		10/6	45	1' 2"	M
	11/5	46	2' 6"	F		13/6	45	9' 0"	F
	27/5	48	4' 4"	M		26/6	39	2' 6"	M
	"	48	2' 10"	F		28/6	47	7' 0"	M
	10/6	47	3' 6"	F		29/6	45	8' 0"	F
	22/6	38	5' 0"	M		30/6	43	10' 0"	M
	24/6	43	4' 0"	M		9/7	45	4' 0"	M
	25/6	40	6' 0"	M		24/8	46	7' 10"	M
	27/6	45	6' 0"	M		30/9	42	9' 9"	M
	30/6	47	? ?	M		10/10	49	12' 0"	M
	"	43	5' 0"	F					

Sperm-whale foetuses.

<i>Natal</i>					<i>Natal</i>				
Average length of foetuses: 6' 4"	14/4	35	3' 6"	M	(cont.)	10/5	30	3' 0"	M
	"	36	3' 0"	M		6/6	35	5' 0"	F
	17/4	35	1' 0"	F		8/6	35	3' 0"	F
	20/4	35	2' 6"	M		27/6	36	6' 0"	F
	27/4	36	2' 0"	M		7/7	36	4' 0"	F
	1/5	35	1' 0"	F		29/7	36	6' 0"	F
	"	35	1' 0"	F		6/8	35	8' 0"	F
	5/5	36	10' 0"	F		23/8	36	8' 0"	M
	"	36	4' 0"	M		"	36	9' 0"	M
	"	35	2' 0"	M		4/9	36	5' 0"	F
	10/5	36	3' 0"	F		"	37	4' 0"	M
	"	35	2' 0"	F		"	36	7' 0"	M
	"	35	2' 0"	F		"	35	6' 0"	F

Table No. 11 (cont.).

Geographical areas.	Date when measured.	Length		Sex.	Geographical areas.	Date when measured.	Length.		Sex.	
		Mother	Foetus.				Mother.	Foetus.		
<i>Natal.</i> (cont.)		Engl. ft.	Engl. ft.				Engl. ft.	Engl. ft.		
	4/9	38	9' 0"	F	<i>Gabon</i> Average length of foetuses: 11' 0"	13/7	35	11' 0"	M	
	"	36	9' 0"	F		"	36	11' 0"	M	
	27/9	36	10' 0"	M	<i>British Columbia</i> Average length of foetuses: 10' 6"	5/5	35	9' 0"	M	
	29/9	35	11' 0"	M		"	30	11' 6"	M	
	"	35	8' 0"	F		"	33	10' 0"	M	
	"	35	12' 0"	F		"	35	9' 0"	F	
	"	35	9' 0"	M		"	35	8' 0"	M	
	"	36	9' 0"	F		"	36	11' 0"	M	
	"	36	10' 0"	F		"	8/5	36	11' 0"	M
	"	35	11' 0"	F		"	"	38	8' 0"	F
	1/10	35	7' 0"	F		"	"	35	8' 0"	M
	"	35	9' 0"	F		"	10/5	36	11' 6"	M
	"	36	8' 0"	M	"	17/5	37	15' 5"	M	
	"	36	7' 0"	F	"	21/6	37	12' 6"	M	
	"	36	8' 0"	M	"	"	36	12' 6"	M	
	"	36	7' 0"	F						
<i>Cape Province</i> Average length of foetuses: 5' 11"					<i>Kamtchatka</i>	21/5	35	11' 2"	M	
	27/4	35	5' 6"	F	<i>Kuril Islands</i> Average length of foetuses: 5' 1"	21/4	35	3' 4"	F	
	"	35	4' 4"	F		8/5	35	4' 3"	F	
	"	37	5' 0"	M		12/5	35	5' 11"	F	
	"	36	3' 9"	F		17/5	36	3' 11"	F	
	28/4	35	4' 6"	F		"	37	6' 3"	M	
	"	35	6' 4"	F		23/5	36	4' 3"	F	
	11/5	30	12' 0"	M		26/5	35	3' 11"	M	
	"	36	2' 0"	M		30/5	35	4' 3"	F	
	"	32	13' 3"	M		"	39	5' 11"	M	
	"	36	2' 6"	M		4/6	36	6' 7"	F	
	"	36	3' 0"	M	"	38	7' 3"	M		
	18/5	36	3' 0"	M	9/6	36	4' 7"	F		
	25/5	35	4' 0"	M	"	37	8' 2"	F		
	"	36	4' 0"	F	13/6	40	4' 7"	F		
	"	35	6' 0"	M	17/6	38	5' 11"	F		
	26/5	36	5' 0"	M	19/6	41	4' 7"	F		
	"	35	4' 0"	M	"	37	6' 3"	M		
	28/5	36	5' 0"	F	24/6	38	4' 3"	M		
	"	35	4' 0"	M	"	36	5' 11"	F		
	5/6	35	6' 5"	M	19/7	35	5' 11"	M		
	10/6	35	9' 0"	F	"	38	4' 3"	F		
	"	35	3' 7"	M	20/7	35	4' 3"	F		
	11/6	35	3' 0"	M	21/7	36	4' 3"	F		
	1/7	35	9' 0"	F	26/7	39	5' 11"	F		
	"	35	4' 0"	F	30/7	41	3' 11"	M		
	"	35	6' 5"	M	"	38	5' 11"	F		
	26/7	37	7' 8"	M	10/8	37	3' 11"	F		
	"	35	6' 4"	M	17/8	37	5' 11"	F		
	"	31	5' 0"	M	"	39	5' 11"	F		
	"	35	8' 0"	F	22/8	36	4' 7"	F		
	"	35	8' 0"	F	27/8	37	3' 3"	F		
	27/7	35	8' 0"	F	"	35	5' 11"	M		
	"	36	6' 5"	M	1/9	35	4' 7"	M		
	"	36	3' 4"	M	"	37	6' 3"	M		
	9/9	36	3' 4"	M	13/9	35	5' 11"	F		
	"	35	6' 0"	M	14/9	35	3' 3"	M		
	20/9	36	11' 0"	F	"	31	3' 11"	F		
	"	36	10' 0"	F						

Table No. 11 (continued).

Geographical areas	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
<i>Kuril Islands</i> (cont.).	14/9	38	6' 3"	M	<i>Japan</i> (cont.).	25/8	35	3' 0"	F
	25/9	36	4' 3"	F		26/8	35	2' 0"	F
	"	38	4' 7"	M		"	36	11' 0"	M
	14/10	35	5' 3"	F		"	35	3' 0"	F
	29/10	35	6' 3"	F		29/8	36	1' 10"	M
<i>Japan.</i> Average length of foetuses: 5' 3"	22/4	35	11' 0"	F		30/8	35	2' 8"	F
	"	36	13' 0"	F		2/9	35	3' 5"	F
	25/4	35	9' 0"	F		4/9	37	2' 1"	M
	13/5	36	12' 2"	F		10/9	36	3' 2"	M
	24/5	35	10' 0"	F		11/9	35	2' 0"	F
	27/5	36	3' 2"	F		"	31	3' 1"	M
	28/5	35	11' 5"	M		15/9	36	2' 1"	M
	18/5	35	11' 0"	M		16/9	35	11' 10"	F
	30/6	35	1' 1"	M		20/9	36	2' 0"	M
	4/7	36	13' 5"	F		"	35	2' 4"	M
	"	38	11' 5"	F	"	36	1' 10"	F	
	6/7	35	10' 7"	F	"	36	1' 2"	M	
	"	36	0' 6"	M	23/9	39	3' 1"	M	
	"	35	13' 10"	F	25/9	37	11' 5"	M	
	"	36	14' 10"	M	"	39	1' 6"	M	
	12/7	35	12' 0"	M	26/9	36	4' 2"	F	
	16/7	36	2' 0"	F	29/9	36	2' 8"	F	
	16/7	35	11' 0"	M	2/10	35	4' 9"	M	
	20/7	35	9' 5"	F	3/10	37	2' 1"	F	
	28/7	35	9' 0"	F	"	35	4' 4"	F	
	"	35	12' 4"	M	"	34	4' 4"	M	
	1/8	37	12' 6"	M	"	36	3' 1"	M	
	5/8	36	11' 2"	M	11/10	35	3' 10"	F	
	8/8	36	11' 0"	F	"	37	2' 0"	F	
	"	36	2' 4"	F	"	36	4' 3"	M	
	"	37	1' 6"	F	14/10	35	2' 1"	F	
	"	36	1' 6"	F	19/10	36	4' 1"	F	
	"	35	2' 1"	M	25/10	35	4' 10"	F	
	12/8	35	0' 2"	?	"	35	3' 10"	F	
	19/8	37	0' 11"	F	31/10	35	4' 6"	M	
	"	36	2' 2"	F	"	35	4' 0"	M	
	"	35	2' 1"	M	<i>Chile</i> Average length of foetuses: 6' 2"	5/1	35	9' 10"	F
	20/8	35	2' 0"	M		8/1	37	7' 10"	M
	"	36	5' 0"	F		17/1	33	6' 7"	M
	21/8	36	2' 0"	F		"	39	8' 2"	M
	"	35	2' 1"	M		18/1	35	7' 10"	F
	"	38	2' 10"	M		"	38	9' 2"	M
	22/8	35	12' 0"	F		21/1	32	10' 10"	F
	"	38	2' 10"	M		4/2	36	3' 7"	F
	"	36	14' 7"	M		11/2	36	2' 7"	M
	"	37	2' 2"	M		12/2	35	6' 11"	F
	23/8	36	11' 0"	F		20/2	36	8' 2"	M
"	36	1' 5"	F	"		37	10' 2"	M	
"	35	1' 3"	F	"		35	7' 10"	F	
"	36	2' 5"	F	22/2		36	4' 3"	M	
"	38	2' 3"	M	"		36	3' 7"	F	
"	36	1' 2"	F	"		35	2' 7"	F	
"	35	1' 7"	M	23/2		40	6' 11"	F	
24/8	38	2' 10"	M	3/3		35	2' 11"	F	
"	36	2' 4"	M	"		36	2' 7"	M	
25/8	36	2' 0"	F	5/3		36	2' 7"	F	

Table No. 11 (continued).

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
<i>Chile (cont.).</i>		Engl. ft.	Engl. ft.		<i>Chile (cont.).</i>		Engl. ft.	Engl. ft.	
	9/3	37	3' 11"	M		9/7	35	8' 10"	M
	"	38	9' 2"	M		14/7	37	4' 11"	M
	14/3	35	2' 7"	M		"	38	6' 11"	M
	17/3	36	2' 7"	M		"	36	5' 11"	M
	"	36	2' 7"	M		"	35	5' 7"	F
	"	35	2' 7"	M		"	35	5' 11"	M
	22/3	37	2' 7"	F		19/7	37	6' 11"	M
	"	35	2' 7"	M		"	36	5' 11"	F
	"	35	3' 7"	F		26/7	41	6' 11"	M
	6/4	35	5' 7"	M		27/7	37	7' 7"	M
	"	35	3' 7"	F		27/7	35	9' 12"	F
	7/4	37	3' 7"	F		"	35	6' 11"	M
	"	35	2' 7"	M		8/8	36	7' 7"	F
	12/4	36	3' 7"	M		"	35	5' 11"	M
	18/4	35	3' 7"	F		10/8	35	4' 7"	M
	"	35	2' 7"	F		15/8	35	7' 7"	M
	23/4	37	4' 7"	M		"	35	8' 2"	M
	"	36	2' 7"	F		20/8	35	3' 11"	M
	26/4	35	2' 11"	M		23/8	35	3' 11"	M
	29/4	35	2' 7"	F		3/9	37	5' 11"	M
	4/5	35	3' 11"	F		5/9	38	7' 7"	M
	"	35	2' 7"	F		"	35	6' 11"	M
	5/5	36	5' 11"	M		12/9	35	7' 3"	M
	"	35	5' 5"	M		4/10	35	10' 2"	F
	"	36	11' 10"	M		"	37	9' 2"	F
	"	36	4' 3"	M		"	36	9' 6"	M
	"	35	2' 11"	M		5/10	34	6' 11"	F
	7/5	35	3' 11"	M		"	33	6' 11"	F
	"	36	4' 3"	F		"	37	7' 10"	M
	8/5	39	6' 3"	M		"	39	8' 2"	M
	9/5	35	4' 3"	M		"	35	5' 11"	M
	"	35	3' 3"	F		"	35	10' 2"	F
	22/5	35	3' 7"	M		6/10	35	5' 11"	M
	"	36	2' 7"	M		"	35	10' 2"	M
	"	35	2' 7"	F		15/10	35	7' 3"	F
	"	35	2' 7"	F		"	39	8' 2"	M
	24/5	35	3' 7"	F		"	37	10' 6"	F
	26/5	36	5' 11"	M		17/10	35	10' 2"	M
	"	35	13' 2"	F		"	35	10' 6"	M
	"	35	6' 11"	M		13/11	39	10' 2"	M
	27/5	37	5' 7"	F		14/11	35	5' 11"	M
	"	35	7' 3"	M		"	35	5' 7"	F
	2/6	39	7' 3"	M		"	35	6' 11"	F
	3/6	36	4' 3"	F		15/11	37	8' 6"	M
	"	35	3' 7"	M		"	35	5' 11"	F
	6/6	36	3' 9"	F		19/11	35	13' 5"	F
	7/6	35	4' 11"	F		20/11	36	4' 7"	M
	"	35	4' 3"	M		"	38	10' 6"	F
	"	35	4' 11"	M		"	35	6' 11"	M
"	37	6' 11"	M	"	35	9' 10"	M		
"	38	3' 7"	M	10/12	36	10' 2"	F		
11/6	35	4' 11"	F	"	35	10' 6"	M		
"	35	4' 3"	F	"	35	9' 2"	F		
20/6	35	4' 7"	F	12/12	36	6' 11"	M		
25/6	35	5' 11"	M	"	35	5' 11"	M		
5/7	35	5' 11"	M	18/12	35	6' 11"	F		
"	35	4' 7"	F	"	35	10' 2"	M		
				"	35	9' 2"	F		
				"	35	10' 10"	M		

Table No. 11 (continued).

Bryde-whale foetuses.

Geographical areas	Date when measured,	Length.		Sex.	Geographical areas	Date when measured.	Length		Sex.
		Mother	Foetus				Mother.	Foetus.	
<i>Cape Province</i> Average length of foetuses: 7' 6"		Eng. ft.	Eng. ft.		<i>Cape Province</i> (cont.)		Eng. ft.	Eng. ft.	
	$\frac{5}{5}$	48	13' 0"	F		$\frac{4}{10}$	52	8' 0"	F
	$\frac{11}{5}$	43	5' 0"	F		$\frac{7}{10}$	47	2' 0"	M
	$\frac{12}{5}$	48	11' 0"	M		$\frac{30}{10}$	47	7' 0"	F
	$\frac{27}{8}$	45	1' 0"	M	$\frac{1}{11}$	50	13' 0"	F	

