

INTERNATIONAL
WHALING STATISTICS

XXXI

EDITED BY
THE COMMITTEE FOR WHALING STATISTICS



OSLO 1954

DET NORSKE HVALRÅDS STATISTISKE PUBLIKASJONER

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PREFACE

The present publication, International Whaling Statistics No. XXXI, relates to whaling operations in the Antarctic in the season 1951-52 and on grounds outside the Antarctic in 1952.

The Spanish company "Industrial Ballenera de Corcubión" has, according to information, been operating at Canelinas Bay, Spain, but the Committee has been unable to get statistical details of the catch and production. Otherwise the Committee has received information as to the number of whales killed and the oil production from all companies engaged on grounds outside the Antarctic during 1952.

From the following companies the Committee has, however, not succeeded in getting statements which show the size of the whales captured: "Ballenera Paracas S.A.," shore station at Paracas Bay in Peru,—"Compania Industrial," shore station "Quintay," Chile,—"Ballenera del Estrecho," shore station "Getares," Algeciras, Spain,—and the companies operating from the Azores and Madeira. With these exceptions the statistics for the year 1952 should be complete.

On pages 27-29 is included a new table showing the production of by-products on the different grounds outside the Antarctic during the seasons 1947-1952. Supplied with the Antarctic figures, this table shows the total quantity of by-products for all whaling grounds.

Oslo, February 1954.

Gunnar Jahn.

Birger Bergersen.

Einar Vangstein.

INTRODUCTION

The present publication comprises the world aggregate whaling results in 1952. It includes the Antarctic operations in the season 1951-52 and the operations on grounds outside the Antarctic in the calendar year 1952. Details respecting the Antarctic catch were given in International Whaling Statistics No. XXX, while the results for other whaling grounds in 1952 are presented here.

The usual tables illustrating the development of whaling from 1937-38 to and including 1951-52 have been enclosed on pages 11-26 as an annex to this introduction.

Owing to the high prices of oil and by-products, there has in the post-war years been considerably greater whaling activity on grounds outside the Antarctic than in the years prior to 1940. In 1951 50 shore stations, 7 floating factories, and 210 catchers were employed in these areas, the largest whaling material so far recorded in post-war years. A heavy fall in the oil prices at the beginning of 1952 resulted, however, in a diminished whaling activity outside the Antarctic. Thus, the whaling material in operation in the season 1952 was reduced to 46 shore stations, 4 floating factories, and 139 catchers. See annexed table *a*, page 11. The Committee draws the attention to the fact that in this table the figures relating to the number of shore stations and the number of catchers employed in waters outside the Antarctic have been revised for the seasons 1946-1951. It appears that the data published in earlier volumes concerning the Japanese waters for these seasons have recorded a too low number of shore stations and a too high number of catchers. Corresponding corrections have also been made in respect to Japan in table *o*, page 24.

Seven companies, which carried on whaling in 1951 from a shore station at each of the grounds French Congo, St. Thomé, Scotland, Faroe Islands, Newfoundland, Labrador, and California did not resume whaling in 1952. Moreover, 3 floating factories were engaged in sperm-whale catch off the coast of Peru in 1951. None of them were, however, operating on this ground in 1952.

On the other hand, 2 new companies commenced whaling in 1952 in the Australian waters, one of them from a shore station on More-

ton Island, East Australia, and the other from a shore station in Frenchman Bay, South Australia.

A new Spanish company operated in 1952 with 2 catchers from Canelinas Bay, Spain. As mentioned in the preface the Committee has, however, not received any statistical reports from this company.

In 1952 whaling was carried on from the following grounds outside the Antarctic:

Africa: Natal, Cape Province, French Congo, Spanish Morocco.

Brazil: Paraiba, Sta Catarina.

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

Pacific North: British Columbia, Kamtchatka, Kuril Islands, Japan, Bonin Island.

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

Apart from the grounds Portugal, Scotland and California, which were operated in 1951 but not in 1952, and the Sta Catarina ground where no whaling was carried on in 1951, the above-mentioned whaling grounds are the same as those operated in the previous season.

The following table gives a survey of the number of whales killed during the period 1937/38–1951/52. Specification is given for the Antarctic and other grounds, and for baleen whales and sperm-whales.

Season	Total of whales killed	In Antarctic			On other grounds		
		Total	Baleen whales	Sperm-whales	Total	Baleen whales	Sperm-whales
1937–38.....	54,873	46,039	45,172	867	8,834	5,967	2,867
1938–39.....	45,772	38,356	35,771	2,585	7,416	4,501	2,915
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	2,514	4,761
1941–42.....	8,072	1,425	1,316	109	6,647	1,764	4,883
1942–43.....	8,346	998	974	24	7,348	2,028	5,320
1943–44.....	6,197	1,799	1,698	101	4,398	2,208	2,190
1944–45.....	5,906	2,891	2,846	45	3,015	1,404	1,611
1945–46.....	19,348	13,387	13,114	273	5,961	2,809	3,152
1946–47.....	34,720	25,593	24,162	1,431	9,127	3,112	6,015
1947–48.....	43,378	31,318	28,696	2,622	12,060	4,885	7,175
1948–49.....	43,948	31,435	27,357	4,078	12,513	7,629	4,884
1949–50.....	45,060	32,396	29,669	2,727	12,664	7,205	5,459
1950–51.....	55,795	33,997	29,029	4,968	21,798	8,502	13,296
1951–52.....	49,752	35,237	29,752	5,485	14,515	8,474	6,041

The total number of whales killed on all whaling grounds has increased considerably during the post-war years. In 1950–51 it reached a maximum of 55,795, but fell to 49,752 in 1951–52. As will be seen from the table, this decrease of 6,043 whales is entirely due to the considerable drop in the sperm-whale catch outside the Antarctic in 1951–52.

It appears from the table, page 8, that the whaling outside the Antarctic during the post-war years has been carried on to a far greater extent than during the last pre-war years, and that this whaling has constituted a considerably higher share of the total world catch during the post-war years than before the war. The increased activity on grounds outside the Antarctic in recent years applies to baleen- as well as sperm-whale catch. In 1951 an exceptionally high number of sperm-whales was killed—13,296 animals—, a result of the activities of the above-mentioned three floating factories operating off the coast of Peru. In 1952, when whaling along the coast of Peru was insignificant, the number of sperm-whales killed dropped to 6,041. On the other hand, the catch of baleen whales in 1952 was almost equal to that of 1951.

In the annexed tables *j-v*, pages 20–29, particulars are given in respect to the individual whaling grounds in each area outside the Antarctic. These tables also contain retrospective figures for a series of years. The Committee does not consider it necessary to make detailed comments on the whaling results of the season 1952, but will call the attention only to the more significant variations in the catch during the last season as compared with the previous season or seasons.

On the whaling grounds in the *North Atlantic and Arctic* the total catch in each of the seasons 1948–1951 was between 1,575 and 1,751 whales. In 1952, however, only 780 whales were killed. This decrease is mainly due to the limited activity on the grounds off Newfoundland and the Faroe Islands in 1952.

The whaling results on the *coast of Africa* also decreased in 1952, the number of whales killed being 2,945 against 4,639 in 1951, 4,122 in 1950, and 4,966 in 1949. This decrease was primarily due to the reduced catch on the Congo ground, but also on the Natal ground a decline in the catch was registered. From Cape Province, however, a not insignificant increase was reported in 1952. Regarding the operations on the African coast, particular attention is drawn to the whaling in the Congo field. In 1949 and 1950 8 catchers captured about 1,400 humpback whales. In 1951 14 catchers captured 1,105 humpbacks. In 1952, on the other hand, 7 catchers killed only 265 humpbacks. In earlier periods we find a similar decline in the catch. It seems that the stock of humpback whales on the Congo ground within a short period will be overtaxed.

Off *Kamtchatka* 2 floating factories were operating in 1952, as compared with 1 floating factory in the other post-war years. From this ground (Kuril Islands included) the catch amounted to 3,430 whales in 1952 against 2,583 whales in 1951, 2,357 in 1950, and 2,015 in 1949. The grounds off Kamtchatka and round the Bonin Island are situated in the area in the Pacific North in which pelagic whaling on baleen whales is permitted.

In the *Australian* waters 1,787 humpback whales were killed in 1952, as compared with 1,224 in 1951. With exception of the seasons 1914, 1936, and 1937 this is the largest annual catch in the Australian field. As previously mentioned, 2 new companies commenced whaling here in 1952, and 4 companies in all were operating during this season.

In the annexed table *v*, page 27, it is, for the first time, given a survey on the production of *by*-products in all whaling grounds—in the Antarctic as well as in the different grounds outside the Antarctic. This survey refers to the post-war years 1945/46–1951/52.

Annex.
Supplementary Tables to the Introduction.

Table a.—Whaling material in operation in the years 1937/38—1951/52.

Years. ¹⁾	All whaling grounds.			Antarctic.			Others.		
	Shore stations.	Floating factories.	Catchers.	Shore stations.	Floating factories.	Catchers.	Shore stations.	Floating factories.	Catchers.
1937-38	37	35	357	2	31	256	35	4	101
1938-39	16	37	359	2	34	281	14	3	78
1939-40	9	29	306	2	28	240	7	1	66
1940-41	8	14	175	1	11	93	7	3	82
1941-42	8	2	52	2	—	12	6	2	40
1942-43	8	2	51	1	—	6	7	2	45
1943-44	9	1	63	1	1	15	8	—	48
1944-45	9	1	63	1	1	15	8	—	48
1945-46	38	11	155	3	9	93	35	2	62
1946-47	39	20	243	3	15	147	36	5	96
1947-48	51	21	309	3	17	183	48	4	126
1948-49	49	22	348	3	18	212	46	4	136
1949-50	49	22	382	3	18	237	46	4	145
1950-51	53	26	472	3	19	262	50	7	210
1951-52	49	24	430	3	20	291	46	4	139

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

Table b.—Whales killed in the years 1937/38—1951/52, by species.

Years. ¹⁾	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.
1937-38.....	15,035	29,680	5,125	929	3,734	370	54,873
1938-39.....	14,152	22,622	1,393	815	5,500	1,290	45,772
1939-40.....	11,560	19,722	454	538	4,671	764	37,709
1940-41.....	5,028	9,150	2,939	807	5,565	149	23,638
1941-42.....	81	2,169	306	373	4,992	151	8,072
1942-43.....	151	1,809	288	506	5,344	248	8,346
1943-44.....	353	2,204	282	989	2,291	78	6,197
1944-45.....	1,111	2,617	303	218	1,656	1	5,906
1945-46.....	3,675	10,984	495	747	3,425	22	19,348
1946-47.....	9,302	16,495	290	1,131	7,446	56	34,720
1947-48.....	7,157	24,028	515	1,573	9,797	308	43,378
1948-49.....	7,781	21,763	3,395	1,855	8,962	192	43,948
1949-50.....	6,313	22,902	5,063	2,471	8,186	125	45,060
1950-51.....	7,278	22,819	4,352	3,033	18,264	49	55,795
1951-52.....	5,436	25,605	4,023	3,123	11,526	39	49,752

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

Table c.—Whales killed in the various main areas 1937/38—1951/52.

Years. *	All areas.		Antarctic.		North Atlantic and Arctic. ¹⁾		Africa.		Pacific, north. ²⁾		Japan.		Others.	
	No. of whales killed.	Per cent.	No. of whales killed.	Per cent.	No. of whales killed.	Per cent.	No. of whales killed.	Per cent.	No. of whales killed.	Per cent.	No. of whales killed.	Per cent.	No. of whales killed.	Per cent.
1937-38	54,873	100	46,039	83.9	750	1.4	3,044	5.5	483	0.9	1,970	3.6	2,587	4.7
1938-39	45,772	100	38,356	83.8	802	1.7	2,687	5.9	232	0.5	2,280	5.0	1,415	3.1
1939-40	37,709	100	32,900	87.3	78	0.2	1,035	2.7	922	2.4	2,035	5.4	739	2.0
1940-41	23,638	100	16,363	69.2	133	0.6	759	3.2	931	4.0	2,349	9.9	3,103	13.1
1942-43	8,346	100	998	11.9	315	3.8	724	8.7	120	1.4	1,491	17.9	4,698	56.3
1943-44	6,197	100	1,799	29.0	411	6.6	819	13.2	5	0.1	2,169	35.0	994	16.1
1944-45	5,906	100	2,891	49.0	585	9.9	729	12.3	-	-	531	9.0	1,170	19.8
1945-46	19,348	100	13,387	69.2	1,145	5.9	984	5.1	113	0.6	1,750	9.0	1,969	10.2
1946-47	34,720	100	25,593	73.7	1,063	3.1	1,406	4.0	402	1.2	1,642	4.7	4,614	13.3
1947-48	43,378	100	31,318	72.2	1,693	3.9	2,308	5.3	492	1.1	1,590	3.7	5,977	13.8
1948-49	43,948	100	31,435	71.5	1,575	3.6	4,966	11.3	509	1.2	1,483	3.4	3,980	9.0
1949-50	45,060	100	32,396	71.9	1,698	3.8	4,122	9.1	620	1.4	1,701	3.8	4,523	10.0
1950-51	55,795	100	33,997	61.0	1,751	3.1	4,639	8.3	817	1.5	1,962	3.5	12,629	22.6
1951-52	49,752	100	35,237	70.8	780	1.6	2,945	5.9	895	1.8	1,998	4.0	7,897	15.9

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

* Figures for 1941-42 are omitted. Total number of whales killed 8,072.

Table d.—Oil production in the years 1937/38—1951/52.

Years. *	All whaling grounds.		Principal grounds.					
			Antarctic.		North Atlantic and Arctic. ¹⁾		Africa.	
	Total oil output.	Oil output per catcher.	Oil output.	Oil output per catcher.	Oil output.	Oil output per catcher.	Oil output.	Oil output per catcher.
	Barrels. ²⁾	Barrels.	Barrels.	Barrels.	Barrels.	Barrels.	Barrels.	Barrel s.
1937-38	3,641,314	10,200	3,340,330	13,048	22,097	1,004	139,102	6,323
1938-39	3,011,813	8,389	2,820,771	10,038	26,066	1,241	106,793	5,085
1939-40	2,668,756	8,721	2,544,253	10,601	2,950	2,950	40,419	3,674
1940-41	1,268,081	7,246	1,100,008	11,828	1,855	1,855	26,638	5,328
1942-43	212,307	4,163	50,960	8,493	5,564	2,782	27,373	5,475
1943-44	224,207	3,559	132,001	8,800	8,963	2,241	29,380	5,876
1944-45	304,318	4,830	223,540	14,903	14,121	1,569	23,189	4,638
1945-46	948,715	5,548	818,652	8,803	39,472	2,077	30,552	3,819
1946-47	2,186,749	8,542	1,939,742	13,196	35,757	1,703	47,677	2,649
1947-48	2,437,907	7,548	2,104,051	11,498	61,016	2,034	64,308	2,680
1948-49	2,596,862	7,254	2,219,621	10,470	58,840	1,961	185,003	4,512
1949-50	2,549,188	6,536	2,166,489	9,141	63,612	1,988	154,134	3,585
1950-51	2,960,116	6,129	2,303,690	8,793	63,975	1,882	154,736	3,439
1951-52	2,906,989	6,503	2,479,180	8,520	27,427	1,371	93,342	2,667
1937-38	Per cent	100.0	Per cent	91.8	Per cent	0.6	Per cent	3.8
1938-39		100.0		93.7		0.9		3.5
1939-40		100.0		95.3		0.1		1.5
1940-41		100.0		86.7		0.1		2.1
1942-43		100.0		24.0		2.6		2.9
1943-44		100.0		58.9		4.0		13.1
1944-45		100.0		73.5		4.6		17.6
1945-46		100.0		86.3		3.9		3.2
1946-47		100.0		83.7		1.6		2.2
1947-48		100.0		86.3		2.5		2.6
1948-49		100.0		85.5		2.3		7.1
1949-50		100.0		85.0		2.5		6.0
1950-51		100.0		77.8		2.2		5.2
1951-52		100.0		85.3		0.9		3.2

¹⁾ Exclusive Spain, Portugal, Azores, and Madeira. ²⁾ Barrel = 170 kg. (Barrel = abt. 1/6 long ton, 1 long ton = 1,016 kg.)

* Figures for 1941-42 are omitted. Total oil output 213,948 barrels.

Table e.—Sperm-oil production in the years 1938/39—1951/52.¹⁾

Grounds.	²⁾ 1938-39	1945-46	1946-47	1947-48	1948-49	1949-50	1950-51	1951-52
	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels
South Georgia	6,971	2,686	5,987	5,816	9,175	7,902	9,944	6,417
Antarctic, pelagic	144,775	11,059	66,054	131,093	202,560	130,400	242,858	279,952
Africa:—								
Natal	16,083	19,334	14,272	20,391	20,009	13,991	25,744	13,238
Cape Province.	—	—	1,485	2,999	4,380	3,300	4,184	8,715
Madagascar	1,291	—	—	—	—	400	—	—
French Congo ³⁾	—	—	—	—	—	—	2,580	—
Indian Ocean	—	—	—	—	—	1,000	—	—
Spanish Morocco	—	—	—	1,335	1,102	1,236	1,177	434
Brazil:—								
Paraiba	—	—	—	—	—	—	—	20
North Atlantic and Arctic:								
Azores	6,920	11,917	12,974	15,555	10,421	10,907	18,434	16,884
Madeira	—	2,565	2,585	4,129	2,290	387	3,603	3,970
Spain	—	—	—	—	—	52	627	963
Portugal	—	645	1,080	1,076	597	139	209	—
Norway	737	1,059	841	2,766	1,043	3,846	3,734	2,537
Scotland	—	—	—	—	—	—	40	—
Faroe Islands	558	578	621	1,595	2,030	1,981	2,856	46
Iceland	183	—	—	864	1,425	485	647	94
West Greenland	—	—	—	—	88	108	⁴⁾ 130 ⁴⁾	161
Newfoundland	840	649	1,212	757	3,377	1,758	799	—
Pacific North:—								
California	—	—	140	1,221	920	—	979	—
British Columbia	—	—	—	1,170	2,312	1,468	5,108	4 577
Alaska	2,655	—	—	—	—	—	—	—
Pelagic whaling	—	—	—	—	—	—	—	—
Kamtschatka	7,904	⁴⁾ 12,500	—	23,975	30,651	24,706	29,919	26,305
Kuril Islands	—	—	—	9,817	24,042	34,353	36,700	39,722
Japan	10,961	3,148	4,862	11,054	10,060	22,512	23,146	20,804
Bonin Island, pelagic	—	118	736	607	724	2,003	1,968	541
Peru	—	—	105,986	88,205	—	—	195,956	725
Chile	5,928	12,699	21,160	17,533	18,243	22,575	21,115	20,925
Total ¹⁾	205,806	78,957	239,995	341,958	345,449	285,509	632,457	447,030

¹⁾ During the war years 1939/40—1944/45, for which figures are omitted in this table, the total sperm-oil production was as follows: In 1939-40 167,509 barrels, 1940-41 156,219 barrels, 1941-42 106,185 barrels, 1942-43 120,461 barrels, 1943-44 58,957 barrels, and 1944-45 46,682 barrels. ²⁾ 1938-39 = Antarctic season 1938-39 and summer 1939, a.s.o. ³⁾ Incl. St. Thomé. ⁴⁾ Calculated.

Table f.—Whaling results for the various countries 1937/38—1951/52. All areas.

Number of whales killed.

Years *	All countries	Argentina.	Brazil.	British Commonwealth ¹⁾	Chile.	Denmark.	Germany.	Iceland.	Japan.	Netherlands.	Norway.	Panama.	Portugal.	United States of America	U.S.S.R.
<i>Absolute figures:</i>															
1937-38.....	54,873	1,062	-	19,542	338	208	5,839	147	7,552	-	²⁾ 15,355	1,527	388	2,650	265
1938-39.....	45,772	1,024	-	14,104	469	178	5,066	130	9,820	-	²⁾ 11,871	907	389	1,338	476
1939-40.....	37,709	705	-	13,207	78	-	-	-	9,698	-	11,040	1,421	552	1,008	-
1940-41.....	23,638	868	-	4,361	59	-	-	-	12,920	-	4,362	-	501	24	543
1943-44.....	6,197	962	-	1,171	430	-	-	-	2,169	-	984	-	476	5	-
1944-45.....	5,906	1,296	-	1,229	495	-	-	-	531	-	1,787	-	568	-	-
1945-46.....	19,348	1,082	-	6,682	598	175	-	-	1,863	-	7,687	-	795	-	466
1946-47.....	34,720	857	25	14,736	851	284	-	-	3,181	770	12,857	-	735	38	386
1947-48.....	³⁾ 43,378	814	36	17,150	1,116	302	-	239	3,157	1,294	16,104	-	948	67	2,104
1948-49.....	³⁾ 43,948	919	38	14,811	991	335	-	324	3,331	1,366	16,570	1,356	602	49	3,122
1949-50.....	³⁾ 45,060	946	128	12,782	1,093	478	-	265	4,121	1,295	17,234	-	448	-	3,931
1950-51.....	³⁾ 55,795	796	179	13,921	1,094	387	-	339	5,043	1,660	18,024	4,021	1,641	40	4,274
1951-52.....	³⁾ 49,752	798	168	14,277	1,374	44	-	265	6,578	1,650	16,102	1,408	784	-	5,579
<i>Percentage figures:</i>															
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1937-38.....	100.0	1.9	-	35.6	0.6	0.4	10.6	0.3	13.8	-	28.0	2.8	0.7	4.8	0.5
1938-39.....	100.0	2.2	-	30.8	1.0	0.4	11.1	0.3	21.5	-	25.9	2.0	0.9	2.9	1.0
1939-40.....	100.0	1.9	-	35.0	0.2	-	-	-	25.7	-	29.3	3.8	1.4	2.7	-
1940-41.....	100.0	3.7	-	18.4	0.2	-	-	-	54.7	-	18.5	-	2.1	0.1	2.3
1943-44.....	100.0	15.5	-	18.9	6.9	-	-	-	35.0	-	15.9	-	7.7	0.1	-
1944-45.....	100.0	21.9	-	20.8	8.4	-	-	-	9.0	-	30.3	-	9.6	-	-
1945-46.....	100.0	5.6	-	34.6	3.1	0.9	-	-	9.6	-	39.7	-	4.1	-	2.4
1946-47.....	100.0	2.5	0.1	42.4	2.5	0.8	-	-	9.2	2.2	37.0	-	2.1	0.1	1.1
1947-48.....	³⁾ 100.0	1.9	0.1	39.5	2.6	0.7	-	0.6	7.3	3.0	37.1	-	2.2	0.1	4.8
1948-49.....	³⁾ 100.0	2.1	0.1	33.7	2.2	0.8	-	0.7	7.6	3.1	37.7	3.1	1.4	0.1	7.1
1949-50.....	³⁾ 100.0	2.1	0.3	28.4	2.4	1.1	-	0.6	9.1	2.9	38.2	-	1.0	-	8.7
1950-51.....	³⁾ 100.0	1.4	0.3	25.0	2.0	0.7	-	0.6	9.0	3.0	32.3	7.2	2.9	0.1	7.7
1951-52.....	³⁾ 100.0	1.6	0.3	28.7	2.8	0.1	-	0.5	13.2	3.3	32.4	2.8	1.6	-	11.2

¹⁾ Specification for countries of the British Commonwealth is given on the second following page. ²⁾ Including the catch of two Norwegian expeditions hired by Germany—in 1936/37 1,756 whales, in 1937/38 2,158 whales, and in 1938/39 1,658 whales. ³⁾ In the total figures for the seasons 1947/48—1951/52 the whaling results for the following countries are included: For *France* in 1949/50—2,193 whales = 4.9 per cent of all whales killed, in 1950/51—4,079 whales = 7.3 per cent and in 1951/52—436 whales = 0.9 per cent; for *Peru* in 1950/51—61 whales = 0.1 per cent and in 1951/52—95 whales = 0.2 per cent; for *Spain* in 1947/48—47 whales = 0.1 per cent, in 1948/49—134 whales = 0.3 per cent, in 1949/50—146 whales = 0.3 per cent, in 1950/51—236 whales = 0.4 per cent, and in 1951-52—194 whales = 0.4 per cent.

* Figures for the war years 1941-42 and 1942-43 are omitted. Total number of whales killed, in 1941-42 8,072, in 1942-43 8,346.

Table g.—Whaling results for the various countries 1937/38—1951/52. All areas.
Oil production in barrels.¹⁾

Years.*	All countries.	Argentina.	Brazil.	British Commonwealth. ²⁾	Chile.	Denmark.	Germany.	Iceland.	Japan.	Netherlands.	Norway.	Panama.	Portugal.	United States of America	U.S.S.R.
<i>Absolute figures:</i>															
1937-38	3,641,314	51,766	—	1,308,015	9,345	6,101	369,727	4,920	422,036	— ³⁾ 1,169,069	117,650	7,284	166,299	9,102	
1938-39	3,011,813	66,826	—	1,007,223	7,512	5,197	374,149	3,764	496,260	— ³⁾ 853,867	68,853	6,920	102,388	18,854	
1939-40	2,668,756	39,432	—	938,147	2,234	—	—	—	593,499	—	909,790	113,000	10,047	62,607	—
1940-41	1,268,081	44,498	—	274,987	1,626	—	—	—	674,319	—	244,676	—	9,057	683	18,235
1943-44	224,207	50,001	—	40,973	15,830	—	—	—	25,182	—	82,000	—	10,073	148	—
1944-45	304,318	75,540	—	40,401	21,066	—	—	—	6,082	—	149,391	—	11,838	—	—
1945-46	948,715	45,028	—	307,048	17,861	3,981	—	—	5,837	—	536,803	—	16,016	—	16,141
1946-47	2,186,749	47,830	835	901,597	25,036	6,286	—	—	80,244	77,310	991,709	—	19,537	1,365	35,000
1947-48	⁴⁾ 2,437,907	44,965	1,060	949,235	28,522	10,277	—	9,000	120,716	85,130	1,064,313	—	23,381	2,350	98,002
1948-49	⁴⁾ 2,596,862	52,518	1,251	927,729	23,382	10,026	—	11,820	134,408	109,849	1,119,514	56,720	13,590	1,493	132,553
1949-50	⁴⁾ 2,549,188	41,348	2,132	767,896	30,231	13,776	—	12,292	197,613	82,792	1,122,466	—	12,058	—	165,442
1950-51	⁴⁾ 2,960,116	40,593	2,925	826,162	30,993	9,303	—	14,012	203,489	103,560	1,150,728	198,532	43,590	1,358	182,606
1951-52	⁴⁾ 2,906,989	41,825	2,171	877,331	35,406	817	—	9,524	304,499	110,300	1,151,404	97,073	20,991	—	233,916
<i>Per cent figures:</i>	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1937-38	100.0	1.4	—	35.9	0.3	0.2	10.2	0.1	11.6	—	32.1	3.2	0.2	4.6	0.2
1938-39	100.0	2.2	—	33.5	0.2	0.2	12.4	0.1	16.5	—	28.4	2.3	0.2	3.4	0.6
1939-40	100.0	1.5	—	35.2	0.1	—	—	—	22.2	—	34.1	4.2	0.4	2.3	—
1940-41	100.0	3.5	—	21.7	0.1	—	—	—	53.2	—	19.3	—	0.7	0.1	1.4
1943-44	100.0	22.3	—	18.3	7.0	—	—	—	11.2	—	36.6	—	4.5	0.1	—
1944-45	100.0	24.8	—	13.3	6.9	—	—	—	2.0	—	49.1	—	3.9	—	—
1945-46	100.0	4.7	—	32.4	1.9	0.4	—	—	0.6	—	56.6	—	1.7	—	1.7
1946-47	100.0	2.2	—	41.2	1.1	0.3	—	—	3.7	3.5	45.4	—	0.9	0.1	1.6
1947-48	⁴⁾ 100.0	1.8	—	38.9	1.2	0.4	—	0.4	5.0	3.5	43.7	—	1.0	0.1	4.0
1948-49	⁴⁾ 100.0	2.0	—	35.7	0.9	0.4	—	0.5	5.2	4.2	43.1	2.2	0.5	0.1	5.1
1949-50	⁴⁾ 100.0	1.6	0.1	30.1	1.2	0.5	—	0.5	7.8	3.2	44.0	—	0.5	—	6.5
1950-51	⁴⁾ 100.0	1.3	0.1	27.9	1.0	0.3	—	0.5	6.9	3.5	38.9	6.7	1.4	0.1	6.2
1951-52	⁴⁾ 100.0	1.4	0.1	30.2	1.2	—	—	0.3	10.5	3.8	39.6	3.3	0.7	—	8.1

¹⁾ Barrel = 170 kg. (Barrel = abt. 1/8 long ton, 1 long ton = 1,016 kg). ²⁾ Specification for countries of the British Commonwealth is given on next page.
³⁾ The figures include the catch of two Norwegian expeditions hired by Germany—in 1936/37 134,200 barrels, in 1937/38 180,750 barrels, and in 1938/39 118,383 barrels.
⁴⁾ In the total figures for the seasons 1947/48—1951/52 the whaling results for the following countries are included: For *France* in 1949/50—98,660 barrels of oil = 3.9 per cent of the total oil production, in 1950/51—145,721 barrels = 4.9 per cent, and in 1951/52—16,485 barrels = 0.6 per cent; for *Peru* in 1950/51—2,015 barrels = 0.1 per cent and in 1951/52—1,941 barrels = 0.1 per cent; for *Spain* in 1947/48—956 barrels = 0 per cent, in 1948/49—2,009 barrels = 0.1 per cent, in 1949/50—2,482 barrels = 0.1 per cent, in 1950/51—4,529 barrels = 0.2 per cent and in 1951/52—3,210 barrels = 0.1 per cent.

* Figures for the war years 1941-42 and 1942-43 are omitted. Total oil production in 1941-42 213,948 barrels, in 1942-43 212,307 barrels.

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

Years *	British Commonwealth	Of which					
		United Kingdom	Union of South Africa	Newfoundland	Canada	New Zealand	Australia
1938-39.....	14,104	9,625	4,398	-	-	81	-
1939-40.....	13,207	9,953	2,925	-	220	109	-
1942-43.....	1,057	98	724	54	91	90	-
1943-44.....	1,171	199	819	65	-	88	-
1944-45.....	1,229	216	729	177	-	107	-
1945-46.....	6,682	5,409	984	179	-	110	-
1946-47.....	14,736	10,494	3,972	157	-	111	2
1947-48.....	17,150	11,410	5,115	347	182	92	4
1948-49.....	14,811	9,280	4,749	193	255	141	193
1949-50.....	12,782	8,151	3,695	155	314	79	388
1950-51.....	13,921	6,626	5,314	209	437	111	1,224
1951-52.....	14,277	6,938	4,946	19	465	122	1,787
<i>In per cent of all countries</i>	%	%	%	%	%	%	%
1938-39.....	30.8	21.0	9.6	-	-	0.2	-
1939-40.....	35.0	26.4	7.7	-	0.6	0.3	-
1942-43.....	12.7	1.2	8.7	0.6	1.1	1.1	-
1943-44.....	18.9	3.2	13.2	1.1	-	1.4	-
1944-45.....	20.8	3.7	12.3	3.0	-	1.8	-
1945-46.....	34.6	28.0	5.1	0.9	-	0.6	-
1946-47.....	42.4	30.2	11.4	0.5	-	0.3	-
1947-48.....	39.5	26.3	11.8	0.8	0.4	0.2	-
1948-49.....	33.7	21.2	10.8	0.4	0.6	0.3	0.4
1949-50.....	28.4	18.1	8.2	0.3	0.7	0.2	0.9
1950-51.....	25.0	11.9	9.5	0.4	0.8	0.2	2.2
1951-52.....	28.7	14.0	9.9	-	0.9	0.3	3.6

Oil production in barrels.¹⁾

1938-39.....	1,007,223	796,796	207,738	-	-	2,689	-
1939-40.....	938,147	766,209	159,329	-	8,700	3,909	-
1942-43.....	39,932	4,000	27,373	1,564	3,230	3,765	-
1943-44.....	40,973	7,200	29,380	1,763	-	2,630	-
1944-45.....	40,401	7,478	23,189	5,252	-	4,482	-
1945-46.....	307,048	265,112	30,552	7,200	-	4,184	-
1946-47.....	901,597	638,576	252,556	6,600	-	3,825	40
1947-48.....	949,235	685,650	242,187	11,790	5,679	3,864	65
1948-49.....	927,729	673,387	226,419	8,506	7,841	5,838	5,738
1949-50.....	767,896	534,629	198,978	5,353	9,598	2,844	16,494
1950-51.....	826,162	490,199	250,946	10,012	14,433	4,482	56,090
1951-52.....	877,331	500,254	261,998	2,325	16,220	4,800	91,830
<i>In per cent of all countries</i>	%	%	%	%	%	%	%
1938-39.....	33.5	26.5	6.9	-	-	0.1	-
1939-40.....	35.2	28.7	6.0	-	0.3	0.2	-
1942-43.....	18.8	1.9	12.9	0.7	1.5	1.8	-
1943-44.....	18.3	3.2	13.1	0.8	-	1.2	-
1944-45.....	13.3	2.5	7.6	1.7	-	1.5	-
1945-46.....	32.4	28.0	3.2	0.8	-	0.4	-
1946-47.....	41.2	29.2	11.5	0.3	-	0.2	-
1947-48.....	38.9	28.1	9.9	0.5	0.2	0.2	-
1948-49.....	35.7	26.0	8.7	0.3	0.3	0.2	0.2
1949-50.....	30.1	21.0	7.8	0.2	0.4	0.1	0.6
1950-51.....	27.9	16.6	8.5	0.3	0.5	0.1	1.9
1951-52.....	30.2	17.2	9.0	0.1	0.5	0.2	3.2

¹⁾ Barrel = 170 kg. (Barrel = abt. 1/2 long ton, 1 long ton = 1,016 kg.)

* Figures for 1940-41 and 1941-42 are omitted. Total number of whales killed in 1940-41 4,361, and in 1941-42 1,162; total oil production 274,987 barrels and 47,745 barrels respectively.

Table i.—Average size of whales killed in the different grounds in the years 1938, 1939, and 1947 to 1952.

Species of whales and whaling grounds.	1952	1951	1950	1949	1948	1947	1939	1938
Blue-whales.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
Antarctic:—								
South Georgia	72.00	76.90	74.29	76.29	76.28	77.09	75.81	70.89
Pelagic whaling	78.03	78.28	79.03	79.06	78.42	78.29	78.11	78.42
Africa:—								
Natal	69.13	69.70	68.89	70.29	67.50	68.72	—	67.00
Cape Province	73.00	76.00	69.25	68.00	67.00	71.00	—	—
Madagascar	—	—	75.00	60.00	—	—	—	—
Spanish Morocco	—	—	—	—	72.00	—	—	—
Brazil:—								
Paraiba	—	—	—	—	70.00	—	—	—
North Atlantic and Arctic:								
Portugal	—	59.00	—	—	—	—	—	—
Norway	73.00	69.25	68.67	71.75	73.00	70.45	—	—
Scotland	—	75.25	71.50	—	—	—	—	—
Faroe Islands	—	68.11	69.33	74.21	64.67	70.00	—	68.00
Iceland	71.14	68.91	72.36	67.50	—	—	—	—
West Greenland	—	—	—	74.00	77.50	74.75	—	—
Newfoundland	—	72.88	71.00	73.47	74.93	75.40	—	—
Pacific North:—								
British Columbia	72.31	71.78	72.50	77.50	—	—	—	—
Kamtchatka	76.95	74.14	77.40	76.33	—	—	—	—
Kurul Islands	74.18	69.22	74.50	—	—	—	—	—
Japan	71.48	70.85	73.86	70.79	71.67	72.90	—	—
Bonin Island	—	—	—	—	62.00	72.00	—	—
Peru	—	—	—	—	68.00	—	—	—
Chile	58.00	74.03	74.27	74.50	74.20	71.09	—	—
Fin-whales.								
Antarctic:—								
South Georgia	65.97	65.98	65.23	65.56	65.76	67.54	65.37	64.52
Pelagic whaling	67.86	66.71	67.46	67.93	67.94	67.43	67.21	67.86
Africa:—								
Natal	62.25	60.50	61.08	61.36	60.54	60.87	—	60.14
Cape Province	60.33	59.84	58.82	59.52	57.17	55.93	—	—
Madagascar	—	—	66.70	—	—	—	—	—
French Congo ¹⁾	—	60.25	—	—	—	—	—	—
Spanish Morocco	61.92	62.25	61.34	—	60.07	—	—	—
North Atlantic and Arctic:								
Spain	—	—	61.58	—	—	—	—	—
Portugal	—	54.33	62.32	—	—	—	—	—
Norway	58.62	60.08	59.45	60.08	59.28	60.03	—	—
Scotland	—	59.17	63.52	—	—	—	—	—
Faroe Islands	56.67	61.40	60.53	60.43	60.62	59.35	} 60.62	62.08
Iceland	58.53	59.99	60.13	61.78	—	—		
West Greenland	58.56	61.27	59.03	58.05	60.24	58.33		
Newfoundland	63.00	58.61	59.33	59.89	60.18	61.83		
Pacific North:—								
California	—	63.00	—	63.90	61.68	60.59	—	—
British Columbia	57.65	58.06	57.89	59.66	58.03	—	—	—
Kamtchatka	61.34	61.30	59.78	61.08	—	—	—	—
Kurul Islands	60.16	61.11	62.43	60.06	—	—	—	—
Japan	57.66	56.52	57.81	56.83	57.18	58.33	—	—
Bonin Island	—	—	—	—	56.67	—	—	—
Peru	—	58.00	—	—	55.50	58.00	—	—
Chile	56.25	57.27	56.19	56.38	57.34	71.09	—	—

¹⁾Incl. St. Thomé.

Table i (cont.).

Species of whales and whaling grounds.	1952	1951	1950	1949	1948	1947	1939	1938
	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
<u>Humpbacks.</u>								
Antarctic:—								
South Georgia	39.80	40.13	40.04	40.17	41.42	38.57	—	41.53
Pelagic whaling	40.42	40.79	40.63	41.85	46.00	48.00	39.64	41.07
Africa:—								
Natal	38.32	37.62	38.07	37.89	38.79	38.80	—	36.41
Cape Province	40.33	36.78	43.29	44.00	44.86	44.40	—	—
Madagascar	—	—	40.45	40.39	—	—	—	—
French Congo ¹⁾	39.88	41.26	41.01	43.22	—	—	—	—
Brazil:—								
Paraiba	41.56	44.43	—	—	41.33	—	—	—
Santa Catarina	39.00	—	—	—	—	—	—	—
North Atlantic and Arctic:								
Norway	39.50	42.00	39.38	43.00	—	—	—	—
Faroe Islands	—	—	44.00	49.00	—	—	—	—
Iceland	—	44.00	—	42.50	—	—	—	—
West Greenland	—	46.00	43.67	42.50	40.00	44.40	—	—
Newfoundland	39.00	38.66	39.81	42.00	43.13	37.25	—	—
Pacific North:—								
California	—	43.00	—	42.55	43.00	41.85	—	—
British Columbia	40.41	39.00	39.55	39.75	39.48	—	—	—
Kamtschatka	40.49	35.00	38.00	—	—	—	—	—
Kuril Islands	39.89	45.88	—	43.29	—	—	—	—
Japan	37.67	40.00	41.40	—	41.00	40.25	—	—
Bonin Island	43.00	—	44.33	40.50	43.67	44.00	—	—
Peru	—	40.00	—	—	—	—	—	—
Chile	45.00	47.00	44.80	46.00	41.50	44.50	—	—
West Australia	40.35	40.31	40.47	40.68	37.00	37.50	—	—
New Zealand	40.33	40.52	40.86	40.88	—	—	—	—
<u>Sei-whales.</u>								
Antarctic:—								
South Georgia	50.49	50.31	50.01	49.93	49.86	49.44	50.89	49.94
Pelagic whaling	51.00	49.82	51.13	50.69	52.75	46.50	51.67	51.00
Africa:—								
Natal	43.14	44.02	44.40	42.59	43.05	43.18	—	—
Cape Province	45.22	46.94	46.33	45.93	44.76	46.46	—	—
Madagascar	—	—	42.33	—	—	—	—	—
French Congo ¹⁾	43.89	44.97	—	—	—	—	—	—
Spanish Morocco	49.83	45.85	50.50	—	—	—	—	—
Brazil:—								
Paraiba	45.01	49.91	—	—	47.90	—	—	—
Santa Catarina	39.25	—	—	—	—	—	—	—
North Atlantic and Arctic:								
Spain	—	—	50.63	—	—	—	—	—
Norway	43.50	43.45	45.00	44.67	44.60	44.58	—	—
Scotland	—	47.67	—	—	—	—	—	—
Faroe Islands	35.00	45.13	45.00	43.86	44.00	42.00	—	—
Iceland	44.20	46.00	—	43.83	—	—	—	—
West Greenland	—	—	—	—	47.00	48.50	—	—
Newfoundland	—	44.31	48.44	46.78	45.75	45.50	—	—
Pacific North:—								
California	—	—	—	—	—	52.33	—	—
British Columbia	44.91	45.40	44.83	41.33	46.50	—	—	—
Kamtschatka	46.70	49.94	49.57	45.33	—	—	—	—
Kuril Islands	45.45	48.00	49.51	45.68	—	—	—	—
Japan	43.35	43.23	43.52	42.31	42.94	43.68	—	—
Bonin Island	41.89	42.00	42.19	41.97	42.31	41.97	—	—
Chile	—	37.00	—	—	47.00	46.50	—	—
New Zealand	47.00	—	—	—	—	—	—	—

¹⁾ Incl. St. Thomé.

Table i (cont.).

Species of whales and whaling grounds.	1952	1951	1950	1949	1948	1947	1939	1938
	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
<u>Sperm-whales.</u>								
Antarctic:—								
South Georgia	48.12	46.88	48.60	46.01	46.74	45.05	50.33	50.53
Pelagic whaling	49.93	50.18	50.13	51.08	51.08	50.77	52.86	53.27
Africa:—								
Natal	43.08	39.04	41.43	39.38	38.07	39.20	—	42.12
Cape Province	39.41	39.39	41.16	41.47	42.97	44.04	—	—
Madagascar	—	—	39.51	35.00	—	—	—	—
French Congo ¹⁾	—	36.24	—	—	—	—	—	—
Spanish Morocco	31.18	38.58	43.92	—	37.74	—	—	—
Brazil:—								
Paraiba	45.00	—	—	—	—	—	—	—
North Atlantic and Arctic:								
Spain	—	—	50.67	—	—	—	—	—
Portugal	—	37.64	34.40	—	—	—	—	—
Norway	47.35	49.49	48.42	49.15	50.57	52.50	} 51.70	53.15
Scotland	—	47.00	—	—	—	—		
Faroe Islands	51.00	48.56	48.65	45.49	49.37	48.40		
Iceland	50.50	50.77	48.73	48.54	—	—		
West Greenland	54.60	50.33	50.40	48.33	45.67	52.67		
Newfoundland	—	51.67	50.62	53.17	48.93	54.06	—	—
Pacific North:—								
California	—	43.31	—	42.93	45.39	43.60	—	—
British Columbia	42.61	41.16	44.18	42.35	45.29	—	—	—
Kamchatka	43.80	43.36	43.07	43.89	—	—	—	—
Kuril Islands	38.21	39.37	39.95	41.07	—	—	—	—
Japan	38.55	37.93	38.62	39.98	37.21	37.16	—	—
Bonin Island	45.67	46.03	42.94	42.64	38.31	36.82	—	—
Peru	—	41.80	—	—	42.61	43.39	—	—
Chile	49.91	42.33	43.10	38.62	37.69	40.26	—	—

¹⁾ Incl. St. Thomé.

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

Grounds.	Years. *	Species of whales caught.							Oil production. Barrels.	Expeditions.			
		Blue.	Fin.	Hump- back.	Sei.	Sperm.	Others.	Total of whales.		Shore sta- tions.	Float- ing fac- tories.	Catch- ers.	
<i>North Atlantic and Arctic. Total</i>	1937	57	1,330	25	173	289	²⁾ 36	1,910	69,144	9	2	36	
	1938	15	565	2	105	36	¹⁾ 27	750	22,097	7	-	22	
	1939	26	665	9	59	40	³⁾ 3	802	26,066	7	-	21	
	1944	5	343	10	32	21	-	411	⁴⁾ 8,963	2	-	4	
	1945	14	504	9	32	26	-	585	14,121	3	-	9	
	1946	36	1,035	10	12	52	-	1,145	39,472	7	-	19	
	1947	32	945	11	20	55	-	1,063	35,757	7	-	21	
	1948	88	1,368	16	60	112	¹⁾ 49	1,693	61,016	10	-	30	
	1949	79	1,259	17	62	157	⁵⁾ 1	1,575	58,840	9	-	30	
	1950	54	1,422	29	21	170	⁵⁾ 2	1,698	63,612	10	-	32	
	1951	52	1,300	40	181	178	-	1,751	63,975	11	-	34	
	1952	15	635	3	51	59	⁸⁾ 17	780	27,427	7	-	20	
<i>Norway.</i>	1937	9	223	-	55	20	¹⁾ 35	342	9,467	4	-	12	
	1938	4	261	-	94	9	¹⁾ 27	395	11,076	4	-	12	
	1939	4	282	1	46	14	³⁾ 3	350	11,155	3	-	9	
	1944	-	112	-	31	4	-	147	⁴⁾ -	-	-	-	
	1945	3	158	-	27	4	-	192	⁴⁾ 1,391	⁶⁾ 1	-	3	
	1946	17	392	-	11	21	-	441	15,930	3	-	9	
	1947	11	285	-	12	16	-	324	10,871	3	-	9	
	1948	2	260	-	35	47	-	344	11,261	4	-	11	
	1949	4	342	1	6	20	⁵⁾ 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		
<i>Scotland.</i>	1950	2	33	-	-	-	-	35	1,057	1	-	1	
	1951	4	13	-	3	1	-	21	791	1	-	1	
<i>Faroe Islands.</i>	1937	7	142	4	11	11	-	175	5,365	2	-	5	
	1938	2	184	1	6	7	-	200	6,101	2	-	6	
	1939	2	153	1	8	9	-	173	⁷⁾ 5,197	2	-	6	
	-	-	-	-	-	-	-	-	-	-	-	-	
	1946	5	94	1	1	14	-	115	3,981	2	-	3	
	1947	3	196	-	2	15	-	216	6,286	2	-	4	
	1948	3	223	-	15	30	-	271	10,277	2	-	5	
	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	
<i>Iceland.</i>	1937	1	56	1	-	21	-	79	2,862	1	-	2	
	1938	9	113	-	5	20	-	147	4,920	1	-	3	
	1939	13	109	1	3	4	-	130	3,764	1	-	3	
	-	-	-	-	-	-	-	-	-	-	-	-	
	1948	24	195	-	5	15	-	239	9,000	1	-	4	
	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		
<i>Arctic, pelagic.</i>	1937	28	461	7	100	218	-	814	32,375	-	2	11	

¹⁾ Different kinds of small whales. ²⁾ Different kinds of small whales and 1 right-whale. ³⁾ 2 Minke-whales and 1 bottlenose. ⁴⁾ During the war—owing to shortage of food—a number of licenses were issued for whaling on the Norwegian coast. Fishing boats were used as catchers and the whale meat sold for human food. ⁵⁾ 1 bottlenose. ⁶⁾ Catch result for the shore station and 3 catchers: 3 blue-whales, 27 fin-whales and 1,391 barrels of whale oil. ⁷⁾ 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. ⁸⁾ Minke-whales.

* Figures for the years 1940-1943 are omitted.

Table j (cont.).

Grounds.	Years.	Species of whales caught.							Oil production.	Expeditions.			
		Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.	
<i>West Greenland.</i>	1937	4	9	4	-	-	-	17	Barrels.	-	-	-	1
	1938	-	7	1	-	-	-	8	-	-	-	-	1
	1939	-	3	2	-	-	-	5	-	-	-	-	1
	1946	3	47	4	-	6	-	60	-	-	-	-	1
	1947	4	51	5	2	6	-	68	-	-	-	-	1
	1948	2	21	1	1	6	-	31	-	-	-	-	1
	1949	2	21	2	-	3	-	28	485	-	-	-	1
	1950	-	35	4	-	5	¹⁾ 2	46	544	-	-	-	1
	1951	-	15	5	-	6	-	26	²⁾ 350	-	-	-	1
	1952	-	16	-	-	5	-	21	²⁾ 295	-	-	-	1
<i>Newfoundland.</i>	1937	8	439	9	7	19	³⁾ 1	483	19,075	2	-	-	5
	1938	-	-	-	-	-	-	-	-	-	-	-	-
	1939	7	118	4	2	13	-	144	5,950	1	-	-	2
	1944	5	231	10	1	17	-	264	8,963	2	-	-	4
	1945	11	346	9	5	22	-	393	12,730	2	-	-	6
	1946	11	502	5	-	11	-	529	19,561	2	-	-	6
	1947	14	413	6	4	18	-	455	18,600	2	-	-	7
	1948	57	669	15	4	14	⁴⁾ 49	808	30,478	3	-	-	9
	1949	30	425	11	23	53	-	542	25,507	2	-	-	6
	1950	15	409	16	16	29	-	485	20,508	2	-	-	7
	1951	24	483	29	39	12	-	587	25,090	3	-	-	10
	1952	-	1	1	-	-	⁵⁾ 17	19	2,325	1	-	-	2

¹⁾ Bottlenoses. ²⁾ Calculated. ³⁾ Right-whale. ⁴⁾ Different kinds of small whales. ⁵⁾ Minke whales.

Table k.—Portugal, Azores, and 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.
1938	-	-	-	-	388	-	³⁾ 388	Barrels. 7,284	-	-	-
1939	-	-	-	-	389	-	389	6,920	-	-	-
1940	-	-	-	-	552	-	552	10,047	-	-	-
1941	-	-	-	-	425	²⁾ 76	501	9,057	-	-	-
1942	-	-	-	-	583	²⁾ 23	606	13,070	-	-	-
1943	-	-	-	-	637	²⁾ 133	770	13,880	-	-	-
1944	-	38	-	-	363	²⁾ 75	476	10,073	1	-	-
1945	-	36	-	-	532	-	568	11,838	1	-	-
1946	-	42	-	-	753	-	795	16,016	1	-	-
1947	-	111	-	-	624	-	735	19,537	1	-	3
1948	-	106	-	-	842	-	948	23,381	1	-	3
1949	-	14	-	-	588	-	602	13,590	1	-	3
1950	-	34	-	-	414	-	448	12,058	1	-	3
1951	1	9	-	-	917	⁴⁾ 1	928	22,542	1	-	3
1952	-	6	-	-	778	-	784	20,991	-	-	-

¹⁾ Whaling from Azores and Madeira is carried on with row-boats on old lines. ²⁾ No specification. ³⁾ Probably a small number of whales has also been caught from the island of São Miguel and perhaps also from some others of the islands of Azores, but no information is available. ⁴⁾ Minke-whale.

Table l.—Spain.

							Barrels.			
1950	-	19	-	8	3	-	30	688	1	2
1951	-	27	-	34	35	-	96	1,763	1	1
1952	-	74	-	-	63	-	137	2,389	1	2

Table m.—Africa.

Grounds.	Years. *	Species of whales caught.							Oil production. Barrels.	Expeditions.			
		Blue.	Fin.	Hump- back.	Sei.	Sperm.	Others.	Total of whales.		Shore sta- tions.	Float- ing fac- tories.	Catch- ers.	
<i>Africa. Total.</i>	1937	128	1,175	1,789	121	710 ²⁾	43	3,966	169,772	3	2	39	
	1938	40	538	1,927	66	473	-	3,044	139,102	2	1	22	
	1939	27	502	200	42	676 ³⁾	1,240	2,687	106,793	2	1	21	
	1944	5	227	115	24	448	-	819	29,380	1	-	5	
	1945	3	162	116	34	414	-	729	23,189	1	-	5	
	1946	12	145	93	75	659	-	984	30,552	1	-	8	
	1947	19	529	95	158	550 ¹⁾	55	1,406	47,677	3	-	18	
	1948	21	632	196	196	1,015 ¹⁾	248	2,308	64,308	4	-	24	
	1949	23	707	2,894	238	965 ¹⁾	139	4,966	185,003	5	2	41	
	1950	14	604	2,273	438	693 ¹⁾	100	4,122	154,134	5	2	43	
	1951	24	1,047	1,217	1,006	1,319	26	4,639	154,736	6	1	45	
	1952	19	766	391	1,043	726	-	2,945	93,342	4	1	35	
<i>Natal.</i>	1937	67	755	240	64	503	-	1,629	67,979	2	-	16	
	1938	39	536	175	64	425	-	1,239	54,352	2	-	16	
	1939	27	502	200	42	615	-	1,386	51,529	2	-	16	
	1944	5	227	115	24	448	-	819	29,380	1	-	5	
	1945	3	162	116	34	414	-	729	23,189	1	-	5	
	1946	12	145	93	75	659	-	984	30,552	1	-	8	
	1947	18	485	90	119	502	-	1,214	44,274	2	-	13	
	1948	16	426	182	109	846	-	1,579	49,431	2	-	16	
	1949	17	464	190	101	694	-	1,466	51,983	2	-	17	
	1950	9	323	151	101	391	-	975	38,680	2	-	18	
	1951	20	789	103	247	910 ⁴⁾	2	2,071	74,446	2	-	20	
	1952	8	451	111	155	356	-	1,081	45,161	2	-	14	
<i>Cape Province.</i>	1937	57	398	28	49	207 ²⁾	43	782	34,515	1	-	13	
	1947	1	44	5	39	48 ¹⁾	55	192	3,403	1	-	5	
	1948	4	134	14	83	105 ¹⁾	238	578	11,700	1	-	6	
	1949	5	188	15	119	209 ¹⁾	139	675	13,708	1	-	6	
	1950	4	242	7	324	161 ¹⁾	100	838	15,000	1	-	7	
	1951	4	218	9	237	211 ¹⁾	23	702	14,589	1	-	7	
	1952	11	303	15	711	331	-	1,371	30,875	1	-	12	
	<i>Madagascar.</i>	1937	4	22	1,223	8	-	-	1,257	53,500	-	1	6
1938		1	2	1,752	2	48	-	1,805	84,750	-	1	6	
1939		-	-	-	-	61 ³⁾	1240	1,301	55,264	-	1	5	
1949		1	-	1,333	-	1	-	1,335	60,583	-	1	8	
1950		1	10	711	3	5) 64	-	789	34,424	-	1	9	
<i>Congo.⁶⁾</i>		1937	-	-	298	-	-	-	298	13,778	-	1	4
	1949	-	-	1,356	-	-	-	1,356	56,720	1	1	8	
	1950	-	-	1,404	-	-	-	1,404	64,236	1	1	7	
	1951	-	-	4,105	470	146 ⁴⁾	1	1,726	62,935	2	1	14	
	1952	-	-	265	171	-	-	436	16,485	-	1	7	
<i>Spanish Morocco.</i>	1948	1	72	-	4	64 ¹⁾	10	151	3,177	1	-	2	
	1949	-	55	-	18	61	-	134	2,009	1	-	2	
	1950	-	29	-	10	77	-	116	1,794	1	-	2	
	1951	-	36	-	52	52	-	140	2,766	1	-	4	
	1952	-	12	-	6	39	-	57	821	1	-	2	

¹⁾ Bryde-whales. ²⁾ 7 right-whales and 36 Bryde-whales. ³⁾ No specification. ⁴⁾ Right-whales.
⁵⁾ 52 sperm-whales caught in the Indian Ocean. ⁶⁾ In 1951 St. Thomé included.

* Figures for the years 1940-1943 are omitted.

Table n.—Pacific North.
(Exclusive Japan, Korea, Kamtchatka, and Kuril Islands.)

Grounds.	Years. *	Species of whales caught.							Oil produc- tion. Barrels.	Expeditions.			
		Blue.	Fin.	Hump- back.	Sei.	Sperm.	Others.	Total of whales.		Shore sta- tions.	Float- ing fac- tories.	Catch- ers.	
<i>Pacific North. Total.</i>	1937	54	228	114	13	321	—	730	33,389	4	1	14	
	1938	37	115	16	—	315	—	483	22,891	3	—	11	
	1939	5	93	85	—	49	—	232	9,424	2	—	5	
	1940	36	388	129	3	307	1) 59	922	39,801	2	1	8	
	1941	41	441	49	7	390	2) 3	931	38,135	3	1	15	
	1942	1	35	19	1	133	—	189	7,098	2	—	4	
	1946	—	—	12	29	72	—	113	3) 118	—	1	2	
	1947	4	17	14	161	206	—	402	2,137	1	3	6	
	1948	1	59	134	107	191	—	492	8,815	2	2	11	
	1949	2	115	91	119	182	—	509	10,202	2	1	9	
	1950	4	150	95	267	103	4) 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		
<i>California.</i>	1937	8	14	3	12	—	—	37	1,002	—	1	2	
	1938	—	—	—	—	—	—	—	—	—	—	—	
	1939	—	2	59	—	—	—	61	1,837	1	—	2	
	1940	—	6	19	—	4	—	29	1,607	1	—	1	
	1941	—	7	16	—	1	—	24	683	1	—	2	
	1942	—	10	12	1	3	—	26	948	1	—	1	
	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	4) 1	40	1,358	1	—	2	
1952	—	—	—	—	—	—	—	—	—	—	—		
<i>British Columbia.</i>	1937	1	44	7	—	265	—	317	14,719	2	—	6	
	1938	4	50	4	—	252	—	310	13,157	2	—	6	
	1940	2	90	2	—	126	—	220	8,700	1	—	3	
	1941	1	67	27	—	233	—	328	13,630	2	—	6	
	1942	1	25	7	—	130	—	163	6,150	1	—	3	
	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	4) 1	314	9,598	1	—	4	
	1951	9	216	51	5	153	5) 3	437	14,433	1	—	6	
1952	16	240	61	22	126	—	465	16,220	1	—	5		
<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>Pelagic whaling.</i>	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	
<i>Bonin Island, pelagic.</i>	1946	—	—	12	29	72	—	113	3) 118	—	1	2	
	1947	4	—	1	158	201	—	364	3) 772	—	3	4	
	1948	1	3	3	105	131	—	243	3) 786	—	2	5	
	1949	—	—	4	116	85	—	205	3) 868	—	1	4	
	1950	—	—	—	243	63	—	306	2,747	—	1	4	
	1951	—	—	—	280	60	—	340	3,282	—	1	3	
1952	—	—	1	411	18	—	430	2,782	—	1	5		

1) No specification. 2) Right-whales. 3) The whale is mainly used for human food. 4) Bottlenose.
5) 1 right-whale, 1 Calif. grey-whale, 1 bottlenose.

* The years 1943-1945 are omitted. Total number of whales killed in 1943 120, in 1944 5, and in 1945 0.

Table o.—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.
1937	12	300	68	435	640	²⁾ 611	2,066	Barrels. 32,425	8	—	24
1938	4	293	60	553	785	³⁾ 275	1,970	33,353	21	—	25
1939	10	241	86	677	1,266	—	2,280	12,784	⁴⁾ —	—	23
1940	15	252	33	429	1,306	—	2,035	25,143	⁴⁾ —	—	45
1941	26	360	40	623	1,298	⁵⁾ 2	2,349	28,084	⁴⁾ —	—	49
1942	12	418	30	255	427	⁶⁾ 6	1,148	10,832	⁴⁾ —	—	18
1943	15	315	69	352	727	⁵⁾ 13	1,491	16,723	⁴⁾ —	—	21
1944	2	376	64	734	990	⁵⁾ 3	2,169	25,182	⁴⁾ —	—	33
1945	10	169	11	74	266	⁵⁾ 1	531	6,082	⁴⁾ —	—	30
1946	8	232	8	545	957	—	1,750	⁷⁾ 5,719	23	—	25
1947	30	257	8	383	964	—	1,642	⁷⁾ 6,177	19	—	25
1948	49	176	8	533	823	⁵⁾ 1	1,590	⁷⁾ 15,018	20	—	25
1949	14	209	—	759	501	—	1,483	⁷⁾ 14,179	17	—	25
1950	7	141	5	299	1,249	—	1,701	26,112	16	—	25
1951	47	209	4	419	1,283	—	1,962	29,611	17	—	25
1952	27	231	3	666	1,071	—	1,998	28,635	18	—	25

¹⁾ No specification. ²⁾ Different kinds of small whales and 5 right-whales. ³⁾ Different kinds of small whales and 2 right-whales. ⁴⁾ No information of the number of shore stations in operation. ⁵⁾ Right-whales. ⁶⁾ 1 grey-whale and 5 right-whales. ⁷⁾ The whale is mainly used for human food.

Table p.—Kamtchatka.

(Kuril Islands included from 1948.)

Years	Species of whales caught.						Oil production.	Expeditions.			
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.		Total of whales.	Shore stations.	Floating factories.	Catchers.
1937	—	142	65	1	198	¹⁾ 12	418	Barrels. ²⁾ 16,480	—	1	3
1938	—	104	43	—	64	³⁾ 54	265	9,102	—	1	3
1939	—	238	43	—	154	⁴⁾ 41	476	18,854	—	1	3
1940	—	—	—	—	—	—	—	—	—	—	—
1941	9	254	7	11	194	⁵⁾ 68	543	18,235	—	1	3
1942	2	203	12	—	215	⁶⁾ 122	554	14,500	—	1	3
1943	—	132	29	—	216	⁷⁾ 101	478	15,941	—	1	3
—	—	—	—	—	—	—	—	—	—	—	—
1946	2	117	9	—	316	⁸⁾ 22	466	16,141	—	1	3
—	—	—	—	—	—	—	—	—	—	—	—
1948	3	255	13	39	964	⁹⁾ 6	1,280	39,602	5	1	14
1949	3	117	7	81	1,760	¹⁰⁾ 47	2,015	59,218	5	1	14
1950	7	198	22	56	2,058	¹¹⁾ 16	2,357	62,049	5	1	16
1951	16	246	9	68	2,227	¹²⁾ 17	2,583	72,712	5	1	18
1952	79	688	63	215	2,372	¹³⁾ 13	3,430	99,875	5	2	21

¹⁾ 11 grey-whales and 1 right-whale. ²⁾ The quantity of oil has been calculated as no information was to hand re. oil production. ³⁾ Grey-whales. ⁴⁾ 29 grey-whales and 12 without specification. ⁵⁾ 2 Minke-whales, 57 grey-whales, 5 bottlenoses, and 4 dolphins. ⁶⁾ 3 Minke-whales, 101 grey-whales, 7 bottlenoses, and 11 dolphins. ⁷⁾ 99 grey-whales, 1 bottlenose, and 1 dolphin. ⁸⁾ No specification. ⁹⁾ 1 Minke-whale, 2 bottlenoses, and 3 whale-killers. ¹⁰⁾ 8 Minke-whales, 11 bottlenoses, and 28 whale-killers. ¹¹⁾ 12 bottlenoses and 4 Minke-whales. ¹²⁾ 9 Minke-whales and 8 bottlenoses. ¹³⁾ 5 Minke-whales and 8 bottlenoses.

Table q.—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.			
1947	—	—	11	14	—	—	25	835	1	—	1
1948	1	—	21	10	—	¹⁾ 4	36	1,060	2	—	1
1949	—	—	15	18	—	²⁾ 5	38	1,250	2	—	2
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

¹⁾ No specification. ²⁾ 1 Minke-whale, 4 not specified.

Table r.—Chile.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
1937	29	73	19	—	254	—	375	10,137	4	—	¹⁾ 3
1938	15	56	6	44	203	²⁾ 14	338	9,345	³⁾ 1	³⁾ —	³⁾ 1
1939	2	99	7	15	341	²⁾ 5	469	7,512	2	1	5
1940	—	—	—	—	78	—	78	2,234	1	—	1
1941	—	—	—	—	59	—	59	1,626	1	—	1
1942	—	—	—	—	54	—	54	1,546	1	—	1
1943	—	—	—	—	60	²⁾ 1	61	2,111	1	—	1
1944	2	61	—	—	367	—	430	15,830	2	—	4
1945	42	80	—	—	373	—	495	21,066	2	—	4
1946	11	228	15	1	343	—	598	17,861	2	—	5
1947	24	88	17	2	720	—	851	25,036	2	—	6
1948	85	289	5	6	731	—	1,116	28,522	2	—	7
1949	35	219	6	—	731	—	991	23,382	2	—	7
1950	45	274	5	—	769	—	1,093	30,231	2	—	7
1951	77	279	3	2	733	—	1,094	30,993	2	—	10
1952	143	424	7	10	790	—	1,374	35,406	2	—	10

¹⁾ No information as to catchers re. two companies. ²⁾ Right-whales. ³⁾ No information as to the material in operation re. one company.

Table s.—Peru.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
1937	67	97	9	3	3,776	—	3,952	95,831	—	3	22
1938	—	—	—	—	602	—	602	12,869	—	1	8
—	—	—	—	—	—	—	—	—	—	—	—
1941	—	—	—	—	1,914	—	1,914	41,359	—	1	8
1942	—	—	—	—	3,346	—	3,346	64,500	—	1	8
1943	—	—	—	—	3,299	—	3,299	72,000	—	1	8
—	—	—	—	—	—	—	—	—	—	—	—
1947	—	1	2	—	2,887	—	2,890	105,986	—	2	15
1948	1	2	—	1	2,497	—	2,501	88,205	—	1	7
—	—	—	—	—	—	—	—	—	—	—	—
1951	4	21	23	1	6,365	—	6,414	197,524	1	4	51
1952	7	14	20	17	37	—	95	1,941	1	—	1

Table t.—New Zealand.

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

Table u.—Australia.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1937	-	1	3,242	-	3	-	3,246	131,763	-	2	14
1938	-	-	917	-	-	-	917	42,550	-	1	6
-	-	-	-	-	-	-	-	-	-	-	-
1947	-	-	2	-	-	-	2	40	1	-	1
1948	-	-	4	-	-	-	4	65	1	-	1
1949	-	-	193	-	-	-	193	5,738	2	-	2
1950	-	-	388	-	-	-	388	16,494	2	-	4
1951	-	-	1,224	-	-	-	1,224	56,090	2	-	6
1952	-	-	1,787	-	-	-	1,787	91,830	4	-	10

Table v.—Production of by-products in the Antarctic and on other whaling grounds 1945/46—1951/52.

Years) Grounds	By-products	Whale meat-meal, bone-meal, grax-meal, guano, dehydrated whale meat	Whale liver or liver flakes	Liver- oil, vitamin oil	Liver- meal	Meat extract, liver extract	Whale meat, blubber, ventral grooves	Whale solubles	Other by- products ²⁾
		Long tons	L. tons	L. tons	L. tons	L. tons	L. tons	L. tons	L. tons
1945-46	Total	19,606	601	6	38	—	22,771	—	2,616
1946-47	"	26,575	714	81	380	104	47,286	—	4,192
1947-48	"	35,933	1,022	112	495	138	54,134	—	5,446
1948-49	"	37,591	1,291	166	596	88	62,534	670	6,178
1949-50	"	40,934	822	250	573	97	61,608	3,009	7,181
1950-51	"	45,461	843	264	622	44	45,052	7,865	8,274
1951-52	"	43,552	999	195	435	53	54,609	9,050	4,967
<i>1945-46.</i>									
Antarctic		13,191	575	6	38	—	—	—	16
Africa:—									
Natal		1,850	—	—	—	—	—	—	—
North Atl. and Arctic									
Portugal		440	—	—	—	—	222	—	—
Norway		1,034	13	—	—	—	3,179	—	—
Faroe Islands . . .		144	—	—	—	—	57	—	—
Newfoundland . . .		1,717	13	—	—	—	—	—	—
Pacific North:—									
Japan		620	—	—	—	—	18,407	—	2,496
Bonin Island		—	—	—	—	—	866	—	104
Chile		520	—	—	—	—	—	—	—
New Zealand		90	—	—	—	—	40	—	—
	Total	19,606	601	6	38	—	22,771	—	2,616
<i>1946-47.</i>									
Antarctic		19,302	671	79	380	104	21,914	—	33
Africa:—									
Natal		2,247	—	—	—	—	—	—	—
North Atl. and Arctic									
Portugal		1,201	—	—	—	—	622	—	—
Norway		1,291	—	—	—	—	2,200	—	—
Faroe Islands . . .		46	—	—	—	—	286	—	3
Newfoundland . . .		1,038	29	—	—	—	—	—	—
Pacific North:—									
California		118	14	—	—	—	5	—	1
Japan		660	—	—	—	—	19,536	—	3,725
Bonin Island		—	—	—	—	—	2,678	—	422
Peru		114	—	2	—	—	—	—	8
Chile		458	—	—	—	—	—	—	—
New Zealand		100	—	—	—	—	45	—	—
	Total	26,575	714	81	380	104	47,286	—	4,192
<i>1947-48.</i>									
Antarctic		24,460	918	112	495	138	30,062	—	1,231
Africa:—									
Natal		3,568	—	—	—	—	—	—	—
Cape Province . . .		1,480	—	—	—	—	—	—	—
Spanish Morocco . .		70	—	—	—	—	—	—	3
North Atl. and Arctic									
Portugal		1,343	—	—	—	—	196	—	—
Norway		435	25	—	—	—	3,019	—	—
Faroe Islands		269	—	—	—	—	407	—	12

¹⁾ 1945-46 = Antarctic season 1945-46 and summer 1946, a.s.o. ²⁾ Products such as: Finners, sinews, teeth, baleen, ambergris, pancreas, processed bone, bone fertilizer, protein, whale meat cakes, liver paste, whale hypophyses, internal organs.

Table v (cont.).

Years Grounds	By-products	Whale meat-meal, bone-meal, grax-meal, guano, dehydrated whale meat	Whale liver or liver flakes	Liver- oil, vitamin oil	Liver- meal	Meat extract, liver extract	Whale meat, blubber, ventral grooves	Whale solubles	Other by- products
		Long tons	L. tons	L. tons	L. tons	L. tons	L. tons	L. tons	L. tons
<i>1947-48 (cont.).</i>									
Iceland		62	17	-	-	-	1,231	-	-
Newfoundland		2,331	43	-	-	-	324	-	-
Pacific North:—									
California		94	19	-	-	-	106	-	1
British Columbia		475	-	-	-	-	-	-	-
Japan		841	-	-	-	-	16,155	-	3,716
Bonin Island		-	-	-	-	-	2,593	-	483
Chile		425	-	-	-	-	-	-	-
Australia		-	-	-	-	-	1	-	-
New Zealand		80	-	-	-	-	40	-	-
Total		35,933	1,022	112	495	138	54,134	-	5,446
<i>1948-49.</i>									
Antarctic		26,792	1,173	166	596	88	39,635	-	2,127
Africa:—									
Natal		3,637	-	-	-	-	-	-	-
Cape Province		1,976	-	-	-	-	-	-	-
North Atl. and Arctic									
Portugal		205	-	-	-	-	33	-	-
Norway		414	1	-	-	-	2,928	-	-
Faroe Islands		237	-	-	-	-	354	-	25
Iceland		522	72	-	-	-	801	-	-
Newfoundland		1,650	32	-	-	-	-	-	1
Pacific North:—									
California		98	13	-	-	-	-	-	-
British Columbia		930	-	-	-	-	-	670	-
Kuril Islands		-	-	-	-	-	803	-	-
Japan		677	-	-	-	-	15,240	-	3,215
Bonin Island		-	-	-	-	-	2,440	-	566
Chile		352	-	-	-	-	-	-	-
Australia		1	-	-	-	-	-	-	244
New Zealand		100	-	-	-	-	300	-	-
Total		37,591	1,291	166	596	88	62,534	670	6,178
<i>1949-50.</i>									
Antarctic		25,852	817	250	573	97	46,824	779	1,532
Africa:—									
Natal		3,263	-	-	-	-	-	-	-
Cape Province		2,046	-	-	-	-	-	-	-
French Congo		1,880	-	-	-	-	-	-	-
Spanish Morocco		61	-	-	-	-	-	-	-
Brazil		671	-	-	-	-	-	-	-
North Atl. and Arctic									
Spain		89	-	-	-	-	-	-	-
Portugal		294	-	-	-	-	65	-	-
Norway		536	-	-	-	-	1,543	-	10
Scotland		-	-	-	-	-	3	-	-
Faroe Islands		612	-	-	-	-	197	-	16
Iceland		492	5	-	-	-	110	-	-
Newfoundland		1,503	-	-	-	-	-	-	-
Pacific North:—									
British Columbia		1,098	-	-	-	-	-	2,009	-
Kamtchatka		-	-	-	-	-	-	-	¹⁾ 148
Kuril Islands		-	-	-	-	-	-	-	¹⁾ 1,189
Japan		821	-	-	-	-	10,377	-	4,069

¹⁾ Not specified.

Table v (cont.).

Years Grounds	By-products	Whale	Whale	Liver-	Liver-	Meat	Whale	Whale	Other
		meat-meal, bone-meal, grax-meal, guano, dehydrated whale meat	liver or liver flakes	oil, vitamin oil	meal	extract, liver extract	meat, blubber, ventral grooves	solubles	by- products
		Long tons	L. tons	L. tons	L. tons	L. tons	L. tons	L. tons	L. tons
<i>1949-50 (cont.).</i>									
	Bonin Island	331	—	—	—	—	2,489	—	160
	Chile	419	—	—	—	—	—	—	—
	Australia	886	—	—	—	—	—	221	57
	New Zealand	80	—	—	—	—	—	—	—
	Total	40,934	822	250	573	97	61,608	3,009	7,181
<i>1950-51.</i>									
	Antarctic	25,821	841	264	622	44	28,389	2,444	946
	Africa:—								
	Natal	6,309	—	—	—	—	—	—	—
	Cape Province	1,800	—	—	—	—	—	—	—
	French Congo	1,608	—	—	—	—	—	—	—
	Spanish Morocco	127	—	—	—	—	—	—	—
	Brazil	748	—	—	—	—	—	—	—
	North Atl. and Arctic								
	Portugal	136	—	—	—	—	—	—	—
	Norway	709	—	—	—	—	1,909	—	5
	Scotland	3	—	—	—	—	2	—	—
	Faroe Islands	483	—	—	—	—	213	—	10
	Iceland ¹⁾	851	2	—	—	—	159	—	—
	Newfoundland	1,884	—	—	—	—	—	—	—
	Pacific North:—								
	California	94	—	—	—	—	—	—	—
	British Columbia	1,378	—	—	—	—	—	2,373	—
	Kuril Islands	—	—	—	—	—	—	—	²⁾ 1,190
	Japan	736	—	—	—	—	12,220	—	5,507
	Bonin Island	276	—	—	—	—	2,160	—	196
	Chile	534	—	—	—	—	—	—	—
	Australia	1,864	—	—	—	—	—	3,048	420
	New Zealand	100	—	—	—	—	—	—	—
	Total	45,461	843	264	622	44	45,052	7,865	8,274
<i>1951-52.</i>									
	Antarctic	24,116	823	195	435	53	28,299	5,760	821
	Africa:—								
	Natal	4,887	—	—	—	—	—	—	—
	Cape Province	2,018	—	—	—	—	—	—	—
	Spanish Morocco	53	—	—	—	—	5	—	—
	Brazil	326	—	—	—	—	—	—	—
	North Atl. and Arctic								
	Norway	823	18	—	—	—	3,015	—	28
	Faroe Islands	23	—	—	—	—	127	—	2
	Iceland	508	—	—	—	—	2,073	—	—
	Newfoundland	—	—	—	—	—	350	—	—
	Pacific North:—								
	British Columbia	1,945	—	—	—	—	—	—	—
	Kamtchatka	—	100	—	—	—	3,819	—	²⁾ 445
	Kuril Islands	—	—	—	—	—	—	—	²⁾ 1,586
	Japan	4,467	—	—	—	—	14,928	—	1,610
	Bonin Island	—	58	—	—	—	1,993	—	25
	Chile	32	—	—	—	—	—	—	—
	Australia	4,244	—	—	—	—	—	3,290	450
	New Zealand	110	—	—	—	—	—	—	—
	Total	43,552	999	195	435	53	54,609	9,050	4,967

¹⁾ In addition 200 tons bone were produced in the seasons 1948-51. ²⁾ Not specified.

Table No. 1.—Whaling in 1951/52 and summer 1952.

Geographical areas.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels ¹⁾			
South Georgia.....	6	2,007	10	498	141	—	2,662	144,375	3	—	21
Antarctic, pelagic whaling.....	5,124	20,520	1,546	32	5,344 ²⁾	9	32,575	2,334,805	—	20	270
Africa:—											
Natal.....	8	451	111	155	356	—	1,081	45,161	2	—	14
Cape Province...	11	303	15	711	331	—	1,371	30,875	1	—	12
French Congo...	—	—	265	171	—	—	436	16,485	—	1	7
Spanish Morocco.	—	12	—	6	39	—	57	821	1	—	2
Brazil:—											
Paraiba.....	—	—	9	153	1	—	163	2,004	1	—	2
Santa Catarina..	—	—	1	4	—	—	5	167	1	—	³⁾ —
North Atl. and Arctic											
Azores.....	—	—	—	—	618	—	618	16,884	—	—	³⁾ —
Madeira.....	—	6	—	—	160	—	166	4,107	—	—	³⁾ —
Spain.....	—	74	—	—	63	—	137	2,389	1	—	2
Norway.....	1	374	2	24	51	—	452	14,761	4	—	11
Faroe Islands...	—	20	—	2	1	—	23	522	1	—	2
Iceland.....	14	224	—	25	2	—	265	9,524	1	—	4
West Greenland.	—	16	—	—	5	—	21 ⁷⁾	295	—	—	1
Newfoundland...	—	1	1	—	—	²⁾ 17 ⁴⁾	19	2,325	1	—	2
Pacific North:—											
British Columbia	16	240	61	22	126	—	465	16,220	1	—	5
Kamtschatka, pelagic whaling	62	447	54	27	731 ⁵⁾	4	1,325	48,417	—	2	9
Kuril Islands....	17	241	9	188	1,641 ⁶⁾	9	2,105	51,458	5	—	12
Japan.....	27	231	3	666	1,071	—	1,998	28,635	18	—	25
Bonin Island, pelagic whaling	—	—	1	411	18	—	430	2,782	—	1	5
Peru.....	7	14	20	17	37	—	95	1,941	1	—	1
Chile.....	143	424	7	10	790	—	1,374	35,406	2	—	10
Australia.....	—	—	1,787	—	—	—	1,787	91,830	4	—	10
New Zealand.....	—	—	121	1	—	—	122	4,800	1	—	3
Total	5,436	25,605	4,023	3,123	11,526	39	49,752	2,906,989	49	24	430

¹⁾ Barrel = 170 kg. (Barrel = abt. $\frac{1}{8}$ long ton, 1 long ton = 1,016 kg.) ²⁾ Minke-whales. ³⁾ Whaling is carried on with row boats on old lines. ⁴⁾ In addition 3,155 potheads were taken. ⁵⁾ 2 Minke-whales and 2 bottlenoses. ⁶⁾ 3 Minke-whales and 6 bottlenoses. ⁷⁾ Calculated.

Table No. 2.—Norwegian whaling in 1951/52 and summer 1952.

Geographical areas.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels			
South Georgia.....	1	673	1	184	28	—	887	48,558	1	—	7
Antarctic, pelagic...	2,091	9,691	668	21	2,292	—	14,763	1,088,085	—	10	132
Norway.....	1	374	2	24	51	—	452	14,761	4	—	11
Total	2,093	10,738	671	229	2,371	—	16,102	1,151,404	5	10	150

Table No. 3.—Whaling of United Kingdom in 1951/52 and summer 1952.

Geographical areas.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels			
South Georgia	3	767	4	159	44	—	977	53,992	1	—	7
Antarctic, pelagic . .	1,149	3,147	446	7	1,212	—	5,961	446,262	—	3	47
Total	1,152	3,914	450	166	1,256	—	6,938	500,254	1	3	54

Table No. 4.—Whaling results for the various countries in 1951/52 and summer 1952.

Countries.	Species of whales caught.							Oil production.	Expeditions.			
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.	
								Barrels				
Norway	2,093	10,738	671	229	2,371	—	16,102	1,151,404	5	10	150	
British Commonwealth	1,800	6,420	2,554	1,055	2,431	17	14,277	877,427	11	4	116	
United Kingdom	1,152	3,914	450	166	1,256	—	6,938	500,254	1	3	54	
Union of South Africa	632	2,265	134	866	1,049	—	4,946	261,998	3	1	42	
Australia	—	—	1,787	—	—	—	1,787	91,830	4	—	10	
Canada	16	240	61	22	126	—	465	16,220	1	—	5	
New Zealand	—	—	121	1	—	—	122	4,800	1	—	3	
Newfoundland	—	1	1	—	—	1 ¹⁾	19 ²⁾	2,325	1	—	2	
Japan	313	3,046	78	1,091	2,050	—	6,578	304,499	18	5	66	
U.S.S.R.	215	2,426	201	204	2,511	3 ³⁾	22	5,579	233,916	5	2	32
Netherlands	425	718	150	—	357	—	1,650	110,300	—	1	12	
Panama	424	900	62	1	21	—	1,408	97,073	—	1	16	
Argentina	2	567	5	155	69	—	798	41,825	1	—	7	
Chile	143	424	7	10	790	—	1,374	35,406	2	—	10	
Portugal	—	6	—	—	778	—	784	20,991	—	—	—	
France	—	—	265	171	—	—	436	16,485	—	1	7	
Iceland	14	224	—	25	2	—	265	9,524	1	—	4	
Spain	—	86	—	6	102	—	194	3,210	2	—	4	
Brazil	—	—	10	157	1	—	168	2,171	2	—	2	
Peru	7	14	20	17	37	—	95	1,941	1	—	1	
Denmark	—	36	—	2	6	—	44	817	1	—	3	
Total	5,436	25,605	4,023	3,123	11,526	39	49,752	2,906,989	49	24	430	

¹⁾ Minke-whales. ²⁾ In addition 3,155 potheads were taken. ³⁾ 14 Minke-whales and 8 bottlenoses.

Table No. 5.—Average size of whales caught in the summer season 1952.

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
A. Blue-whales.				
<i>Africa:—</i>				
Natal.....	—	70.40	67.00	69.13
Males 5 } Total 8.				
Females 3 }				
Cape Province.....	—	72.00	73.83	73.00
Males 5 } Total 11.				
Females 6 }				
Africa, total.....	—	71.20	71.56	71.37
Males 10 } Total 19.				
Females 9 }				
<i>North Atlantic and Arctic:—</i>				
Norway.....	—	73.00	—	73.00
Male 1.				
Iceland.....	—	72.25	70.70	71.14
Males 4 } Total 14.				
Females 10 }				
North Atlantic and Arctic, total	—	72.40	70.70	71.27
Males 5 } Total 15.				
Females 10 }				
<i>Pacific North:—</i>				
British Columbia.....	—	71.14	73.22	72.31
Males 7 } Total 16.				
Females 9 }				
Kamtchatka, pelagic.....	No. 1	76.00	78.56	76.84
Males 41 } Total 62.	„ 2	76.50	79.67	77.86
Females 21 }				
Average		76.05	78.71	76.95
Kuril Islands.....	—	73.86	75.67	74.18
Males 14 } Total 17.				
Females 3 }				
Japan.....	No. 1	69.38	75.67	71.09
Males 16 } Total 27.	„ 2	74.33	71.57	72.85
Females 11 }	„ 3	64.00	73.00	67.00
Average		70.56	72.82	71.48
Pacific North, total.....	—	74.09	75.91	74.75
Males 78 } Total 122.				
Females 44 }				

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
<i>Chile</i>	—	Engl. feet. 58.00	Engl. feet. —	Engl. feet. 58.00
Males 3.				
<u>B. Fin-whales.</u>				
<i>Africa:—</i>				
Natal	—	62.31	62.18	62.25
Males 250 } Total 451.				
Females 201 }				
Cape Province	—	59.61	61.08	60.33
Males 160 } Total 303.				
Females 143 }				
Spanish Morocco	—	60.00	63.83	61.92
Males 6 } Total 12.				
Females 6 }				
Africa, total	—	61.26	61.76	61.49
Males 416 } Total 766.				
Females 350 }				
<i>North Atlantic and Arctic:—</i>				
Norway	No. 1	57.25	59.62	58.19
Males 192 } Total 374.	" 2	57.21	59.10	58.14
Females 182 }	" 3	58.92	62.09	60.60
	" 4	56.47	59.28	57.86
	Average	57.37	59.93	58.62
Faroe Islands	—	55.62	59.40	56.67
Males 13 } Total 18.				
Females 5 }				
	Average			
Iceland	—	57.51	59.32	58.53
Males 98 } Total 224.				
Females 126 }				
West Greenland	—	61.25	57.67	58.56
Males 4 } Total 16.				
Females 12 }				
Newfoundland	—	—	63.00	63.00
Female 1.				
North Atlantic and Arctic, total	—	57.39	59.62	58.54
Males 307 } Total 633.				
Females 326 }				
<i>Pacific North:—</i>				
British Columbia		56.92	58.40	57.65
Males 121 } Total 240.				
Females 119 }				

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
Kamtschatka, pelagic	No. 1	Engl. feet. 60.85	Engl. feet. 63.71	Engl. feet. 62.31
Males 227 } Total 447.	" 2	59.63	61.36	60.45
Females 220 } Average		60.19	62.52	61.34
Kuril Islands	—	59.74	61.85	60.59
Males 142 } Total 237.				
Females 95 }				
Japan	No. 1	56.39	60.17	58.24
Males 126 } Total 231.	" 2	56.93	58.16	57.45
Females 105 }	" 3	55.06	57.50	55.88
	" 4	59.00	52.00	53.75
Average		56.43	59.14	57.66
Pacific North, total.....	—	58.67	60.97	59.74
Males 616 } Total 1,155.				
Females 539 }				
Chile	—	56.25	—	56.25
Males 12.				
<u>C. Humpbacks.</u>				
<i>Africa:—</i>				
Natal	—	38.11	38.54	38.32
Males 57 } Total 111.				
Females 54 }				
Cape Province	—	35.00	42.27	40.33
Males 4 } Total 15.				
Females 11 }				
French Congo	—	38.27	41.04	39.88
Males 111 } Total 264.				
Females 153 }				
Africa, total.....	—	38.14	40.49	39.45
Males 172 } Total 390.				
Females 218 }				
Brazil	No. 1	42.80	40.00	41.56
Males 6 } Total 10.	" 2	39.00	—	39.00
Females 4 }				
Average		42.17	40.00	41.30
<i>North Atlantic and Arctic:—</i>				
Norway	—	35.00	44.00	39.50
Males 1 } Total 2.				
Females 1 }				
Newfoundland	—	39.00	—	39.00
Male 1.				

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
North Atlantic and Arctic, total	—	Engl. feet. 37.00	Engl. feet. 44.00	Engl. feet. 39.33
Males 2 } Total 3.				
Females 1 }				
<i>Pacific North:—</i>				
British Columbia.....	—	39.90	40.90	40.41
Males 30 } Total 61.				
Females 31 }				
Kamtschatka, pelagic.....	No. 1	38.08	38.40	38.18
Males 31 } Total 53.	„ 2	41.16	42.06	41.58
Females 22 }				
Average		39.97	41.23	40.49
Kuril Islands.....	—	40.71	37.00	39.89
Males 7 } Total 9.				
Females 2 }				
Japan.....	—	—	37.67	37.67
Females 3.				
Bonin Island, pelagic.....	—	43.00	—	43.00
Male 1.				
Pacific North, total.....	—	40.06	40.71	40.35
Males 69 } Total 127.				
Females 58 }				
<i>Chile</i>	—	45.00	—	45.00
Males 6.				
<i>Australia</i>	No. 1	39.45	41.27	40.18
Males 1,117 } Total 1,781.	„ 2	39.39	41.25	40.25
Females 664 }	„ 3	40.26	41.08	40.47
	„ 4	40.74	43.18	42.08
Average		39.79	41.30	40.35
<i>New Zealand</i>	—	40.48	40.10	40.33
Males 74 } Total 121.				
Females 47 }				
<u>D. Sei-whales.</u>				
<i>Africa:—</i>				
Natal.....	—	42.93	43.33	43.14
Males 74 } Total 155.				
Females 81 }				
Cape Province.....	—	43.94	46.29	45.22
Males 322 } Total 711.				
Females 389 }				
French Congo.....	—	43.52	44.57	43.89
Males 110 } Total 171.				
Females 61 }				

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
Spanish Morocco.....	—	Engl. feet. 52.00	Engl. feet. 47.67	Engl. feet. 49.83
Males 3 } Total 6.				
Females 3 }				
Africa, total.....	—	43.75	45.65	44.72
Males 509 } Total 1,043.				
Females 534 }				
Brazil.....	No. 1	44.33	45.60	45.01
Males 75 } Total 157.	" 2	39.00	40.00	39.25
Females 82 }				
Average		44.12	45.54	44.88
North Atlantic and Arctic:—				
Norway.....	No. 1	48.00	45.00	45.50
Males 8 } Total 24.	" 2	43.33	42.64	42.88
Females 16 }	" 3	42.00	—	42.00
Average		43.75	43.38	43.50
Faroe Islands.....	—	—	35.00	35.00
Females 2.				
Iceland.....	—	42.33	45.92	44.20
Males 12 } Total 25.				
Females 13 }				
North Atlantic and Arctic, total	—	42.90	43.90	43.51
Males 20 } Total 51.				
Females 31 }				
Pacific North:—				
British Columbia.....	—	44.53	46.20	44.91
Males 17 } Total 22.				
Females 5 }				
Kamtchatka, pelagic.....	No. 1	46.60	50.67	47.54
Males 18 } Total 27.	" 2	45.38	46.67	45.93
Females 9 }				
Average		46.06	48.00	46.70
Kuril Islands.....	—	45.64	45.08	45.45
Males 124 } Total 188.				
Females 64 }				
Japan.....	No. 1	42.40	43.17	42.84
Males 276 } Total 665.	" 2	43.16	44.86	44.12
Females 389 }	" 3	43.03	43.89	43.60
	" 4	42.79	41.94	42.33
	" 5	40.82	40.59	40.67
Average		42.76	43.76	43.35
Bonin Island, pelagic.....	—	41.71	42.25	41.89
Males 270 } Total 411.				
Females 141 }				

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
Pacific North, total.....	—	Engl. feet. 42.99	Engl. feet. 43.63	Engl. feet. 43.29
Males 705 } Total 1,313.				
Females 608 }				
<i>New Zealand</i>	—	47.00	—	47.00
Male 1.				
<u>E. Sperm-whales.</u>				
<i>Africa</i> :—				
Natal	—	43.96	34.48	43.08
Males 323 } Total 356.				
Females 33 }				
Cape Province	—	41.41	35.28	39.41
Males 223 } Total 331.				
Females 108 }				
Spanish Morocco	—	33.19	29.78	31.18
Males 16 } Total 39.				
Females 23 }				
Africa, total	—	42.64	34.35	40.77
Males 562 } Total 726.				
Females 164 }				
<i>Brazil</i>	—	45.00	—	45.00
Male 1.				
<i>North Atlantic and Arctic</i> :—				
Norway	No. 1	50.00	—	50.00
Males 51.	" 2	48.61	—	48.61
	" 3	46.45	—	46.45
Average		47.35	—	47.35
Faroe Islands	—	51.00	—	51.00
Male 1.				
Iceland	—	50.50	—	50.50
Males 2.				
West Greenland	—	54.60	—	54.60
Males 5.				
North Atlantic and Arctic, total	—	48.14	—	48.14
Males 59.				
<i>Pacific North</i> :—				
British Columbia	—	42.86	35.00	42.61
Males 122 } Total 126.				
Females 4 }				
Kamtschatka, pelagic	—	43.87	38.60	43.80
Males 721 } Total 731.				
Females 10 }				

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
Kuril Islands.....	—	Engl. feet.	Engl. feet.	Engl. feet.
Males 1,154 } Total 1,628.		39.12	36.01	38.21
Females 474 }				
Japan.....	No. 1	38.91	36.35	38.15
Males 686 } Total 1,068.	" 2	40.74	36.33	39.14
Females 382 }	" 3	39.97	35.80	37.45
	" 4	40.85	35.87	38.56
	" 5	40.25	35.00	39.74
Average		39.87	36.17	38.55
Bonin Island, pelagic.....	—	45.67	—	45.67
Males 18.				
Pacific North, total.....	—	40.79	36.10	39.65
Males 2,701 } Total 3,571.				
Females 870 }				
Chile.....	—	49.91	—	49.91
Males 147.				

Table No. 6.—Whales caught in the summer season 1952,
by species, sex, and size.

I. Natal.

Blue-whales.

Engl. feet.	Number of		Total animals.	
	males.	females.		
65	1	2	3	Average size { Males: 70.40 feet Females: 67.00 " Total animals: 69.13 "
67	1	—	1	
70	1	—	1	
71	—	1	1	Per cent { Males: 62.50 Females: 37.50
72	1	—	1	
78	1	—	1	
Sum	5	3	8	

Table No. 6 (continued).

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.				
	males.	females.			males.	females.					
49	2	—	2	68	11	12	23				
50	1	1	2	69	11	4	15				
51	5	1	6	70	7	7	14				
52	5	1	6	71	7	1	8				
53	3	2	5	72	6	6	12				
54	1	—	1	73	1	1	2				
55	23	21	44	74	—	2	2				
56	9	19	28	75	1	1	2				
57	9	8	17	76	—	2	2				
58	9	11	20	81	—	1	1				
59	13	8	21	Sum	250	201	451				
60	5	11	16	Average size { Males: 62.31 feet Females: 62.18 " Total animals: 62.25 "							
61	9	8	17								
62	21	12	33								
63	19	19	38								
64	21	10	31								
65	16	11	27								
66	21	11	32								
67	14	10	24								
								Per cent { Males: 55.43 Females: 44.57			

Humpbacks.

31	1	—	1	44	1	—	1				
32	1	3	4	45	2	3	5				
33	1	—	1	46	—	—	—				
34	—	—	—	47	1	1	2				
35	9	9	18	48	—	1	1				
36	4	5	9	49	—	1	1				
37	8	7	15	Sum	57	54	111				
38	8	8	16	Average size { Males: 38.11 feet Females: 38.54 " Total animals: 38.32 "							
39	9	5	14								
40	8	4	12								
41	3	3	6								
42	1	2	3								
43	—	2	2								
								Per cent { Males: 51.35 Females: 48.65			

Sei-whales.

35	1	3	4	48	3	3	6				
36	2	4	6	49	3	8	11				
37	2	6	8	50	3	6	9				
38	2	6	8	51	1	1	2				
39	6	4	10	52	—	3	3				
40	5	2	7	53	—	3	3				
41	12	10	22	Sum	74	81	155				
42	8	7	15	Average size { Males: 42.93 feet Females: 43.33 " Total animals: 43.14 "							
43	4	5	9								
44	7	4	11								
45	8	2	10								
46	3	—	3								
47	4	4	8								
								Per cent { Males: 47.74 Females: 52.26			

Table No. 6 (continued).

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.		
	males.	females.			males.	females.			
29	—	1	1	47	27	—	27		
30	—	1	1	48	19	—	19		
31	1	—	1	49	11	—	11		
32	—	2	2	50	24	—	24		
33	2	4	6	51	10	—	10		
34	—	—	—	52	11	—	11		
35	16	20	36	53	9	—	9		
36	22	3	25	54	5	—	5		
37	17	1	18	Sum	323	33	356		
38	12	1	13	Average size { Males: 43.96 feet Females: 34.48 " Total animals: 43.08 " Per cent { Males: 90.73 Females: 9.27					
39	4	—	4						
40	18	—	18						
41	14	—	14						
42	19	—	19						
43	20	—	20						
44	5	—	5						
45	33	—	33						
46	24	—	24						

2. Cape Province.

Blue-whales.

Engl. feet.	Number of		Total animals.	Average size { Males: 72.00 feet Females: 73.83 " Total animals: 73.00 "
	males.	females.		
65	—	2	2	Per cent { Males: 45.45 Females: 54.55
66	1	1	2	
69	1	—	1	
74	2	—	2	
77	1	—	1	
79	—	1	1	
83	—	1	1	
85	—	1	1	
Sum	5	6	11	

Table No. 6 (continued).

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
46	1	-	1	67	2	3	5
47	-	2	2	68	10	2	12
48	-	1	1	69	4	4	8
49	-	-	-	70	2	-	2
50	2	-	2	71	5	6	11
51	2	1	3	72	-	2	2
52	2	-	2	73	-	1	1
53	1	1	2	74	-	2	2
54	-	-	-	75	1	4	5
55	40	31	71	76	-	2	2
56	12	12	24	80	-	1	1
57	16	8	24	Sum	160	143	303
58	11	5	16	Average size {			Males: 59.66 feet
59	7	8	15	{			Females: 61.08 "
60	5	4	9	{			Total animals: 60.33 "
61	8	5	13	Per cent {			Males: 52.81
62	6	13	19	{			Females: 47.19
63	6	10	16				
64	5	4	9				
65	4	6	10				
66	8	5	13				

Humpbacks.

Engl. feet.	Number of		Total animals.	Average size {	Per cent {	
	males.	females.				
31	1	-	1	Males: 35.00 feet	Females: 42.27 "	
35	1	2	3			Total animals: 40.33 "
36	1	-	1			
37	-	2	2			
38	1	-	1	Males: 26.67	Females: 73.33	
39	-	1	1			
44	-	1	1			
46	-	2	2			
47	-	1	1			
48	-	1	1			
51	-	1	1			
Sum	4	11	15			

Table No. 6 (continued).

Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
33	4	1	5	50	15	36	51
34	—	—	—	51	9	31	40
35	9	7	16	52	7	39	46
36	9	7	16	53	2	14	16
37	15	12	27	54	1	10	11
38	17	9	26	55	1	6	7
39	15	16	31	56	—	1	1
40	22	23	45	57	—	1	1
41	13	19	32	Sum	322	389	711
42	16	12	28	Average size { Males: 43.94 feet Females: 46.29 " Total animals: 45.22 "			
43	17	12	29				
44	24	16	40				
45	18	20	38				
46	30	22	52				
47	25	25	50				
48	31	28	59				
49	22	22	44				

Sperm-whales.

29	—	1	1	47	7	—	7
30	—	2	2	48	7	—	7
31	—	—	—	49	13	—	13
32	1	1	2	50	6	—	6
33	—	4	4	51	4	—	4
34	—	—	—	52	—	—	—
35	26	66	92	53	3	—	3
36	21	18	39	54	6	—	6
37	21	10	31	55	4	—	4
38	26	5	31	Sum	223	108	331
39	21	1	22	Average size { Males: 41.41 feet Females: 35.28 " Total animals: 39.41 "			
40	12	—	12				
41	9	—	9				
42	6	—	6				
43	5	—	5				
44	7	—	7				
45	9	—	9				
46	9	—	9				

3. French Congo.

Humpbacks.

30	—	2	2	46	4	12	16
31	4	1	5	47	4	13	17
32	1	—	1	48	—	8	8
33	1	1	2	49	—	3	3
34	—	—	—	50	—	1	1
35	28	25	53	51	—	2	2
36	22	22	44	52	—	1	1
37	6	8	14	Sum	111	153	1) 264
38	7	6	13	Average size { Males: 38.27 feet Females: 41.04 " Total animals: 39.88 "			
39	9	4	13				
40	1	—	1				
41	3	5	8				
42	5	7	12				
43	6	8	14				
44	5	12	17				
45	5	12	17				

1) In addition 1 humpback lost.

Table No. 6 (continued).

Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	1	—	1	47	7	9	16
36	1	—	1	48	3	5	8
37	—	—	—	49	—	8	8
38	—	—	—	50	1	—	1
39	—	1	1	Sum	110	61	171
40	10	8	18	Average size {			Males: 43.52 feet
41	16	6	22	{			Females: 44.57 „
42	9	6	15	{			Total animals: 43.89 „
43	8	3	11	Per cent {			Males: 64.33
44	26	3	29	{			Females: 35.67
45	17	6	23				
46	11	6	17				

4. Spanish Morocco.

Fin-whales.

Engl. feet.	Number of		Total animals.	Average size {	Males: 60.00 feet
	males.	females.			
56	1	—	1	Per cent {	Males: 50.00
58	—	1	1		
59	2	—	2		
60	1	—	1		
62	1	2	3		
64	1	—	1		
66	—	2	2		
69	—	1	1		
Sum	6	6	12		

Sei-whales.

Engl. feet.	Number of		Total animals.	Average size {	Males: 52.00 feet
	males.	females.			
46	—	1	1	Per cent {	Males: 50.00
48	—	1	1		
49	—	1	1		
52	3	—	3		
Sum	3	3	6		

Table No. 6 (continued).

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
17	—	1	1	39	1	—	1
21	1	—	1	45	1	—	1
23	1	—	1	Sum	16	23	39
25	1	1	2	Average size { Males: 33.19 feet Females: 29.78 „ Total animals: 31.18 „ Per cent { Males: 41.03 Females: 58.97			
26	—	3	3				
30	1	5	6				
31	2	7	9				
32	1	3	4				
34	2	3	5				
36	2	—	2				
38	3	—	3				

5. Summary Africa.

(Natal, Cape Province, French Congo, and Spanish Morocco.)

Blue-whales.

65	1	4	5	79	—	1	1
66	1	1	2	83	—	1	1
67	1	—	1	84	—	—	—
68	—	—	—	85	—	1	1
69	1	—	1	Sum	10	9	19
70	1	—	1	Average size { Males: 71.20 feet Females: 71.56 „ Total animals: 71.37 „ Per cent { Males: 52.63 Females: 47.37			
71	—	1	1				
72	1	—	1				
73	—	—	—				
74	2	—	2				
77	1	—	1				
78	1	—	1				

Fin-whales.

46	1	—	1	67	16	13	29
47	—	2	2	68	21	14	35
48	—	1	1	69	15	9	24
49	2	—	2	70	9	7	16
50	3	1	4	71	12	7	19
51	7	2	9	72	6	8	14
52	7	1	8	73	1	2	3
53	4	3	7	74	—	4	4
54	1	—	1	75	2	5	7
55	63	52	115	76	—	4	4
56	22	31	53	80	—	1	1
57	25	16	41	81	—	1	1
58	20	17	37	Sum	416	350	766
59	22	16	38	Average size { Males: 61.26 feet Females: 61.76 „ Total animals: 61.49 „ Per cent { Males: 54.31 Females: 45.69			
60	11	15	26				
61	17	13	30				
62	28	27	55				
63	25	29	54				
64	27	14	41				
65	20	17	37				
66	29	18	47				

Table No. 6 (continued).

Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
30	—	2	2	45	7	15	22
31	6	1	7	46	4	14	18
32	2	3	5	47	5	15	20
33	2	1	3	48	—	10	10
35	38	36	74	49	—	4	4
36	27	27	54	50	—	1	1
37	14	17	31	51	—	3	3
38	16	14	30	52	—	1	1
39	18	10	28	Sum	172	218	1) 390
40	9	4	13	Average size	{	Males:	38.14 feet
41	6	8	14			Females:	40.49 "
42	6	9	15			Total animals:	39.45 "
43	6	10	16			Per cent	{
44	6	13	19			Females: 55.90	

1) In addition 1 humpback lost.

Sei-whales.

33	4	1	5	50	19	42	61
35	11	10	21	51	10	32	42
36	12	11	23	52	10	42	52
37	17	18	35	53	2	17	19
38	19	15	34	54	1	10	11
39	21	21	42	55	1	6	7
40	37	33	70	56	—	1	1
41	41	35	76	57	—	1	1
42	33	25	58	Sum	509	534	1,043
43	29	20	49	Average size	{	Males:	43.75 feet
44	57	23	80			Females:	45.65 "
45	43	28	71			Total animals:	44.72 "
46	44	29	73			Per cent	{
47	36	38	74			Females: 51.20	
48	37	37	74				
49	25	39	64				

Sperm-whales.

17	—	1	1	44	12	—	12
21	1	—	1	45	43	—	43
23	1	—	1	46	33	—	33
25	1	1	2	47	34	—	34
26	—	3	3	48	26	—	26
29	—	2	2	49	24	—	24
30	1	8	9	50	30	—	30
31	3	7	10	51	14	—	14
32	2	6	8	52	11	—	11
33	2	8	10	53	12	—	12
34	2	3	5	54	11	—	11
35	42	86	128	55	4	—	4
36	45	21	66	Sum	562	164	726
37	38	11	49	Average size	{	Males:	42.64 feet
38	41	6	47			Females:	34.35 "
39	26	1	27			Total animals:	40.77 "
40	30	—	30			Per cent	{
41	23	—	23			Females: 22.59	
42	25	—	25				
43	25	—	25				

Table No. 6 (continued).

6. Brazil.
Humpbacks.

Engl. feet.	Number of		Total animals.	
	males.	females.		
35	—	1	1	Average size { Males: 42.17 feet Females: 40.00 „ Total animals: 41.30 „
39	1	—	1	
41	1	1	2	
42	2	2	4	
44	1	—	1	
45	1	—	1	Per cent { Males: 60.00 Females: 40.00
Sum	6	4	10	

Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
37	1	—	1	50	—	7	7
39	3	—	3	51	—	3	3
40	2	7	9	53	—	1	1
41	2	5	7	Sum	75	82	157
42	9	8	17	Average size { Males: 44.12 feet Females: 45.54 „ Total animals: 44.88 „			
43	2	—	2				
44	13	5	18				
45	31	16	47				
46	5	4	9				
47	4	16	20				
48	3	9	12				
49	—	1	1				
				Per cent { Males: 47.77 Females: 52.23			

Sperm-whale.

Engl. feet.	Male.
45	1

7. Norway.

Blue-whale.

Engl. feet.	Male.
73	1

Table No. 6 (continued).

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
40	—	1	1	61	11	8	19	
41	1	—	1	62	11	10	21	
42	—	1	1	63	18	8	26	
43	2	1	3	64	10	14	24	
45	2	—	2	65	9	9	18	
46	—	1	1	66	2	15	17	
47	1	2	3	67	2	9	11	
48	1	1	2	68	—	9	9	
49	2	2	4	69	—	10	10	
50	11	8	19	70	—	4	4	
51	9	10	19	71	—	3	3	
52	10	8	18	Sum	192	182	374	
53	7	11	18	Average size { Males: 57.37 feet Females: 59.93 „ Total animals: 58.62 „ Per cent { Males: 51.34 Females: 48.66				
54	16	5	21					
55	9	8	17					
56	10	3	13					
57	11	5	16					
58	14	6	20					
59	11	4	15					
60	12	6	18					

Humpbacks.

Engl. feet.	Number of		Total animals.	Average size { Males: 35.00 feet Females: 44.00 „ Total animals: 39.50 „
	males.	females.		
35	1	—	1	Per cent { Males: 50.00 Females: 50.00
44	—	1	1	
Sum	1	1	2	

Sei-whales.

35	—	2	2	Average size { Males: 43.75 feet Females: 43.38 „ Total animals: 43.50 „ Per cent { Males: 33.33 Females: 66.67
38	1	—	1	
41	—	1	1	
42	2	3	5	
44	1	4	5	
45	2	1	3	
46	1	2	3	
47	—	2	2	
48	1	—	1	
50	—	1	1	
Sum	8	16	24	

Table No. 6 (continued).

Sperm-whales.

Engl. feet.	Number of males.	Engl. feet.	Number of males.
41	1	50	7
42	3	51	1
43	3	52	1
44	2	53	2
45	7	54	1
46	3	55	1
47	8		
48	5	Sum	51
49	6		

Average size: 47.35 feet.

8. Faroe Islands.

Fin-whales.

Engl. feet.	Number of		Total animals.	
	males.	females.		
50	2	—	2	Average size { Males: 55.62 feet Females: 59.40 „ Total animals: 56.67 „
52	2	—	2	
53	—	1	1	
54	2	—	2	Per cent { Males: 72.22 Females: 27.78
56	1	—	1	
57	3	—	3	
58	—	1	1	
59	1	—	1	
60	1	1	2	
62	—	1	1	
64	—	1	1	
65	1	—	1	
Sum	13	5	1) 18	

1) In addition 2 fin-whales with sex not stated.

Sei-whales.

Engl. feet.	Number of females.
32	1
38	1
Sum	2

Average size: 35 feet.

Sperm-whale.

Engl. feet.	Male.
51	1

Table No. 6 (continued).

9. Iceland.
Blue-whales.

Engl. feet.	Number of		Total animals.	
	males.	females.		
63	—	1	1	Average size { Males: 72.25 feet Females: 70.70 „ Total animals: 71.14 „
66	1	2	3	
67	—	2	2	
68	—	1	1	Per cent { Males: 28.57 Females: 71.43
70	1	—	1	
72	—	1	1	
75	1	1	2	
78	1	—	1	
81	—	1	1	
83	—	1	1	
Sum	4	10	14	

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
46	—	1	1	64	3	9	12
47	—	2	2	65	3	8	11
48	—	1	1	66	3	8	11
49	1	1	2	67	—	5	5
50	8	3	11	68	—	2	2
51	3	7	10	69	—	5	5
52	8	8	16	70	—	4	4
53	6	10	16	71	—	1	1
54	4	2	6	Sum	98	126	224
55	6	9	15	Average size { Males: 57.51 feet Females: 59.32 „ Total animals: 58.53 „			
56	6	7	13				
57	4	5	9				
58	7	3	10				
59	5	2	7				
60	9	3	12				
61	7	6	13				
62	8	7	15				
63	7	7	14				
					Per cent { Males: 43.75 Females: 56.25		

Sei-whales.

Engl. feet.	Number of		Total animals.	
	males.	females.		
36	1	1	2	Average size { Males: 42.33 feet Females: 45.92 „ Total animals: 44.20 „
37	1	—	1	
40	2	1	3	
43	2	2	4	Per cent { Males: 48.00 Females: 52.00
44	2	—	2	
45	3	—	3	
46	1	1	2	
47	—	1	1	
48	—	2	2	
49	—	4	4	
50	—	1	1	
Sum	12	13	25	

Table No. 6 (continued).

Sperm-whales.

Engl. feet	Number of males.
49	1
52	1
Sum	2

Average size: 50.50 feet.

10. West Greenland.**Fin-whales.**

Engl. feet.	Number of		Total animals.	
	males.	females.		
52	-	1	1	Average size { Males: 61.25 feet Females: 57.67 " Total animals: 58.56 "
54	-	2	2	
57	-	3	3	Per cent { Males: 25.00 Females: 75.00
58	-	1	1	
59	-	1	1	
60	-	2	2	
61	3	-	3	
62	1	2	3	
Sum	4	12	16	

Sperm-whales.

Engl. feet.	Number of males.
52	1
54	1
55	1
56	2
Sum	5

Average size: 54.60 feet.

11. Newfoundland.**Fin-whale.**

Engl. feet.	Female.
63	1

Humpback.

Engl. feet.	Male.
39	1

Table No. 6 (continued).

12. Summary North Atlantic and Arctic.
(Norway, Faroe Islands, Iceland, West Greenland, and Newfoundland.)

Blue-whales.

Engl. feet.	Number of		Total animals.	
	males.	females.		
62	—	1	1	Average size { Males: 72.40 feet Females: 70.70 " Total animals: 71.27 "
66	1	2	3	
67	—	2	2	
68	—	1	1	
70	1	—	1	
72	—	1	1	
73	1	—	1	
75	1	1	2	
78	1	—	1	
81	—	1	1	
83	—	1	1	
Sum	5	10	15	Per cent { Males: 33.33 Females: 66.67

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
40	—	1	1	62	20	20	40
41	1	—	1	63	25	16	41
42	—	1	1	64	13	24	37
43	2	1	3	65	13	17	30
45	2	—	2	66	5	23	28
46	—	2	2	67	2	14	16
47	1	4	5	68	—	11	11
48	1	2	3	69	—	15	15
49	3	3	6	70	—	8	8
50	21	11	32	71	—	4	4
51	12	17	29	Sum	307	326	1) 633
52	20	17	37	Average size { Males: 57.39 feet Females: 59.62 " Total animals: 58.54 "			
53	13	22	35				
54	22	9	31				
55	15	17	32				
56	17	10	27				
57	18	13	31				
58	21	11	32				
59	17	7	24				
60	22	12	34				
61	21	14	35				
				Per cent { Males: 48.50 Females: 51.50			

¹⁾ In addition 2 fin-whales with sex not stated.

Humpbacks.

Engl. feet.	Number of		Total animals.	
	males.	females.		
35	1	—	1	Average size { Males: 37.00 feet Females: 44.00 " Total animals: 39.33 "
39	1	—	1	
44	—	1	1	
Sum	2	1	3	Per cent { Males: 66.67 Females: 33.33

Table No. 6 (continued).

Sei-whales.

Engl. feet.	Number of		Total animals	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
32	—	1	1	48	1	2	3
35	—	2	2	49	—	4	4
36	1	1	2	50	—	2	2
37	1	—	1	Sum	20	31	51
38	1	1	2	Average size { Males: 42.90 feet Females: 43.90 " Total animals: 43.51 " Per cent { Males: 39.22 Females: 60.78			
40	2	1	3				
41	—	1	1				
42	2	3	5				
43	2	2	4				
44	3	4	7				
45	5	1	6				
46	2	3	5				
47	—	3	3				

Sperm-whales.

Engl. feet.	Number of males.	Engl. feet.	Number of males.
41	1	50	7
42	3	51	2
43	3	52	3
44	2	53	2
45	7	54	2
46	3	55	2
47	8	56	2
48	5	Sum	59
49	7		

Average size: Males: 48.14 feet.

13. British Columbia.

Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
61	—	1	1	Average size { Males: 71.14 feet Females: 73.22 " Total animals: 72.31 " Per cent { Males: 43.75 Females: 56.25			
63	1	—	1				
67	1	—	1				
71	1	—	1				
72	—	3	3				
73	2	2	4				
74	1	—	1				
76	—	1	1				
77	1	—	1				
78	—	1	1				
82	—	1	1				
Sum	7	9	16				

Table No. 6 (continued).

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
48	1	2	3	64	3	8	11
49	4	1	5	65	2	6	8
50	2	5	7	66	-	4	4
51	5	7	12	67	-	1	1
52	9	9	18	68	-	5	5
53	10	9	19	69	-	1	1
54	7	4	11	70	-	1	1
55	8	9	17	Sum	121	119	240
56	5	4	9	Average size			{ Males: 56.92 feet
57	11	1	12				{ Females: 58.40 "
58	12	7	19				{ Total animals: 57.65 "
59	12	6	18	Per cent			{ Males: 50.42
60	10	5	15				{ Females: 49.58
61	8	8	16				
62	5	7	12				
63	7	9	16				

Humpbacks.

31	1	1	2	45	1	3	4
32	1	-	1	46	-	2	2
35	1	-	1	47	-	1	1
36	1	2	3	Sum	30	31	61
37	3	2	5	Average size			{ Males: 39.90 feet
38	3	5	8				{ Females: 40.90 "
39	-	3	3				{ Total animals: 40.41 "
40	1	2	3	Per cent			{ Males: 49.18
41	9	2	11				{ Females: 50.82
42	5	1	6				
43	3	2	5				
44	1	5	6				

Sei-whales.

Engl. feet.	Number of		Total animals.	Average size	Per cent
	males.	females.			
40	1	-	1	{ Males: 44.53 feet	
41	1	-	1	{ Females: 46.20 "	
42	1	-	1	{ Total animals: 44.91 "	
43	1	1	2		
44	3	-	3		
45	5	-	5		
46	3	1	4		
47	-	2	2		
48	2	1	3		
Sum	17	5	22		

Table No. 6 (continued).

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
33	—	1	1	48	5	—	5
35	2	2	4	49	2	—	2
36	3	—	3	50	5	—	5
37	3	1	4	51	1	—	1
38	8	—	8	52	3	—	3
39	16	—	16	53	1	—	1
40	9	—	9	Sum	122	4	126
41	14	—	14	Average size { Males: 42.86 feet Females: 35.00 " Total animals: 42.61 "			
42	4	—	4				
43	8	—	8	Per cent { Males: 96.83 Females: 3.17			
44	12	—	12				
45	11	—	11				
46	10	—	10				
47	5	—	5				

14. Kamtchatka, pelagic.

Blue-whales.

70	1	—	1	81	1	1	2
71	1	—	1	82	1	1	2
72	1	—	1	83	1	1	2
73	2	—	2	Sum	41	21	62
74	7	1	8	Average size { Males: 76.05 feet Females: 78.71 " Total animals: 76.95 "			
75	6	—	6				
76	11	3	14	Per cent { Males: 66.13 Females: 33.87			
77	1	2	3				
78	2	3	5				
79	4	3	7				
80	2	6	8				

Fin-whales.

52	3	1	4	67	1	10	11
53	1	1	2	68	—	9	9
54	—	2	2	69	—	2	2
55	7	6	13	70	—	2	2
56	10	4	14	71	—	1	1
57	16	9	25	Sum	227	220	447
58	22	12	34	Average size { Males: 60.19 feet Females: 62.52 " Total animals: 61.34 "			
59	31	11	42				
60	27	15	42	Per cent { Males: 50.78 Females: 49.22			
61	33	13	46				
62	33	30	63				
63	20	15	35				
64	12	31	43				
65	8	19	27				
66	3	27	30				

Table No. 6 (continued).

Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
30	1	—	1	45	1	2	3
33	—	1	1	47	—	1	1
34	—	1	1	48	—	1	1
36	4	—	4	Sum	31	22	1) 53
37	2	2	4	Average size { Males: 39.97 feet Females: 41.23 „ Total animals: 40.49 „ Per cent { Males: 58.49 Females: 41.51			
38	1	1	2				
39	4	1	5				
40	2	2	4				
41	7	3	10				
42	4	2	6				
43	3	3	6				
44	2	2	4				

1) In addition 1 humpback lost.

Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Total animals.
	males.	females.			
43	1	—	1	Average size { Males: 46.06 feet Females: 48.00 „ Total animals: 46.70 „ Per cent { Males: 66.67 Females: 33.33	
44	3	—	3		
45	5	—	5		
46	2	4	6		
47	4	1	5		
48	1	—	1		
49	1	2	3		
50	—	—	—		
51	—	1	1		
52	1	1	2		
Sum	18	9	27		

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
34	3	—	3	48	42	—	42
35	10	1	11	49	41	—	41
36	9	1	10	50	39	—	39
37	6	—	6	51	19	—	19
38	54	3	57	52	6	—	6
39	53	2	55	53	2	—	2
40	40	1	41	Sum	721	10	731
41	45	1	46	Average size { Males: 43.87 feet Females: 38.60 „ Total animals: 43.80 „ Per cent { Males: 98.63 Females: 1.37			
42	38	1	39				
43	64	—	64				
44	68	—	68				
45	56	—	56				
46	73	—	73				
47	53	—	53				

Table No. 6 (continued).

15. Kuril Islands.

Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
67	1	—	1	78	—	—	—	
70	1	—	1	79	2	—	2	
71	2	—	2	80	1	—	1	
72	2	—	2	Sum	14	3	17	
73	1	—	1	Average size	Males: 73.86 feet			
74	2	—	2		Females: 75.67 "			
75	1	2	3		Total animals: 74.18 "			
76	—	—	—		Per cent	Males: 82.35		
77	1	1	2			Females: 17.65		

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
50	1	—	1	66	4	12	16	
51	1	—	1	67	3	8	11	
55	15	13	28	68	1	1	2	
56	13	—	13	69	—	2	2	
57	10	5	15	70	1	—	1	
58	13	4	17	Sum	142	95	237	
59	5	7	12	Average size	Males: 59.74 feet			
60	23	6	29		Females: 61.85 "			
61	27	6	33		Total animals: 60.59 "			
62	11	6	17		Per cent	Males: 59.92		
63	3	10	13			Females: 40.08		
64	6	6	12					
65	5	9	14					

Humpbacks.

Engl. feet.	Number of		Total animals.	Average size	Males: 40.71 feet		
	males.	females.			Females: 37.00 "	Total animals: 39.89 "	
32	—	1	1	Per cent	Males: 77.78		
35	2	—	2		Females: 22.22		
40	2	—	2				
41	1	—	1				
42	—	1	1				
45	1	—	1				
49	1	—	1				
Sum	7	2	9				

Table No. 6 (continued).

Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
34	1	—	1	51	6	3	9
37	—	1	1	52	5	—	5
39	—	2	2	53	2	3	5
40	5	9	14	54	1	—	1
41	7	2	9	55	—	2	2
42	3	8	11	Sum	124	64	188
43	17	5	22	Average size { Males: 45.64 feet Females: 45.08 „ Total animals: 45.45 „			
44	20	3	23				
45	14	4	18				
46	17	6	23				
47	8	5	13				
48	3	7	10				
49	7	4	11	Per cent { Males: 65.96 Females: 34.04			
50	8	—	8				

Sperm-whales.

30	1	—	1	49	35	2	37
32	10	2	12	50	40	3	43
33	10	9	19	51	25	2	27
34	12	11	23	52	14	—	14
35	360	255	615	53	7	1	8
36	188	108	296	54	6	—	6
37	83	33	116	55	1	—	1
38	68	16	84	56	1	—	1
39	52	15	67	Sum	1,154	474	¹⁾ 1,628
40	45	4	49	Average size { Males: 39.12 feet Females: 36.01 „ Total animals: 38.21 „			
41	36	9	45				
42	26	3	29				
43	25	—	25				
44	21	—	21				
45	17	—	17				
46	20	—	20	Per cent { Males: 70.88 Females: 29.12			
47	18	—	18				
48	33	1	34				

¹⁾ In addition 13 sperm-whales with sex and length not stated.

16. Japan.

Blue-whales.

63	1	—	1	78	1	1	2
65	1	2	3	80	—	2	2
66	3	1	4	81	—	1	1
67	—	1	1	Sum	16	11	27
68	2	—	2	Average size { Males: 70.56 feet Females: 72.82 „ Total animals: 71.48 „			
71	1	1	2				
72	1	—	1				
73	2	1	3				
74	2	—	2				
75	—	1	1				
76	2	—	2	Per cent { Males: 59.26 Females: 40.74			

Table No. 6 (continued).

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
50	6	4	10	64	2	9	11
51	18	10	28	65	2	7	9
52	9	12	21	66	-	3	3
53	10	5	15	67	-	6	6
54	8	2	10	68	1	4	5
55	5	3	8	69	-	1	1
56	9	3	12	70	-	1	1
57	4	6	10	Sum	126	105	231
58	7	2	9	Average size	Males: 56.43 feet		
59	6	1	7		Females: 59.14 "		
60	18	4	22		Total animals: 57.66 "		
61	15	4	19	Per cent	Males: 54.55		
62	4	7	11		Females: 45.45		
63	2	11	13				

Humpbacks.

Engl. feet.	Females.
35	1
36	1
42	1
Sum	3

Average size: 37.67 feet.

Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	7	8	15	49	1	26	27
36	9	16	25	50	-	15	15
37	8	13	21	51	-	1	1
38	10	13	23	52	-	5	5
39	17	20	37	Sum	276	389	1) 665
40	12	27	39	Average size	Males: 42.76 feet		
41	16	19	35		Females: 43.76 "		
42	29	24	53		Total animals: 43.35 "		
43	35	24	59	Per cent	Males: 41.50		
44	42	38	80		Females: 58.50		
45	35	31	66				
46	32	44	76				
47	13	32	45				
48	10	33	43				

1) In addition 1 sei-whale lost.

Table No. 6 (continued).

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	34	99	133	50	15	-	15
36	124	171	295	51	11	-	11
37	107	72	179	52	6	-	6
38	92	29	121	53	2	-	2
39	50	10	60	54	3	-	3
40	69	1	70	56	1	-	1
41	40	-	40				
42	27	-	27	Sum	686	382	1) 1,068
43	19	-	19				
44	12	-	12				
45	15	-	15	Average size	Males: 39.87 feet		
46	20	-	20		Females: 36.17 "		
47	16	-	16		Total animals: 38.55 "		
48	9	-	9	Per cent	Males: 64.23		
49	14	-	14		Females: 35.77		

1) In addition 3 sperm-whales lost.

17. Bonin Island, pelagic.
Humpback.

Engl. feet.	Male.
43	1

Sei-whales.

Engl. feet.	Number of		Total animals.	Average size	Per cent
	males.	females.			
38	1	-	1	Males: 41.71 feet	
40	50	26	76	Females: 42.25 "	
41	69	22	91	Total animals: 41.89 "	
42	83	33	116		
43	47	27	74	Males: 65.69	
44	13	19	32	Females: 34.31	
45	7	12	19		
46	-	2	2		
Sum	270	141	411		

Sperm-whales.

Engl. feet.	Number of males.	Engl. feet.	Number of males.
38	1	50	1
39	2	51	2
41	2	52	2
42	3	53	1
43	1	54	-
45	1	55	1
46	1	Sum	18

Average size: Males: 45.67 feet.

Table No. 6 (continued).

18. Summary Pacific North.

(British Columbia, Kamtchatka, Kuril Islands, Japan, and Bonin Island.)

Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
61	—	1	1	78	3	5	8
63	2	—	2	79	6	3	9
64	—	—	—	80	3	8	11
65	1	2	3	81	1	2	3
66	3	1	4	82	1	2	3
67	2	1	3	83	1	1	2
68	2	—	2				
69	—	—	—	Sum	78	44	122
70	2	—	2				
71	5	1	6	Average size	Males: 74.09 feet		
72	4	3	7		Females: 75.91 "		
73	7	3	10		Total animals: 74.75 "		
74	12	1	13	Per cent	Males: 63.93		
75	7	3	10		Females: 36.07		
76	13	4	17				
77	3	3	6				

Fin-whales.

48	1	2	3	65	17	41	58
49	4	1	5	66	7	46	53
50	9	9	18	67	4	25	29
51	24	17	41	68	2	19	21
52	21	22	43	69	—	6	6
53	21	15	36	70	1	4	5
54	15	8	23	71	—	1	1
55	35	31	66				
56	37	11	48	Sum	616	539	¹⁾ 1,155
57	41	21	62				
58	54	25	79	Average size	Males: 58.67 feet		
59	54	25	79		Females: 60.97 "		
60	78	30	108		Total animals: 59.74 "		
61	83	31	114	Per cent	Males: 53.33		
62	53	50	103		Females: 46.67		
63	32	45	77				
64	23	54	77				

¹⁾ In addition 4 fin-whales with sex and length not stated.

Humpbacks.

30	1	—	1	44	3	7	10
31	1	1	2	45	3	5	8
32	—	1	1	46	—	2	2
33	1	1	2	47	—	2	2
34	—	1	1	48	—	1	1
35	3	1	4	49	1	—	1
36	5	3	8	Sum	69	58	¹⁾ 127
37	5	4	9				
38	4	6	10	Average size	Males: 40.06 feet		
39	4	4	8		Females: 40.71 "		
40	5	5	10		Total animals: 40.35 "		
41	17	4	21	Per cent	Males: 54.33		
42	9	5	14		Females: 45.67		
43	7	5	12				

¹⁾ In addition 1 humpback lost.

Table No. 6 (continued).

Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
34	1	—	1	49	9	32	41
35	7	8	15	50	8	15	23
36	9	16	25	51	6	5	11
37	8	14	22	52	6	6	12
38	11	13	24	53	2	3	5
39	17	22	39	54	1	—	1
40	68	62	130	55	—	2	2
41	93	43	136	Sum	705	608	¹⁾ 1,313
42	116	65	181	Average size { Males: 42.99 feet			
43	101	57	158	{ Females: 43.63 "			
44	81	60	141	{ Total animals: 43.29 "			
45	66	47	113	Per cent { Males: 53.69			
46	54	57	111	{ Females: 46.31			
47	25	40	65				
48	16	41	57				

¹⁾ In addition 1 sei-whale lost.

Sperm-whales.

30	1	—	1	49	92	2	94
32	10	2	12	50	100	3	103
33	10	10	20	51	58	2	60
34	15	11	26	52	31	—	31
35	406	357	763	53	13	1	14
36	324	280	604	54	9	—	9
37	199	106	305	55	2	—	2
38	223	48	271	56	2	—	2
39	173	27	200	Sum	2,701	870	¹⁾ 3,571
40	163	6	169	Average size { Males: 40.79 feet			
41	137	10	147	{ Females: 36.10 "			
42	98	4	102	{ Total animals: 39.65 "			
43	117	—	117	Per cent { Males: 75.64			
44	113	—	113	{ Females: 24.36			
45	100	—	100				
46	124	—	124				
47	92	—	92				
48	89	1	90				

¹⁾ In addition 13 sperm-whales with sex and length not stated, 3 sperm-whales lost.

19. Chile.

Blue-whales.

Engl. feet.	Number of		Total animals.
	males.	females.	
56	1	—	1
57	1	—	1
61	1	—	1
Sum	3	—	¹⁾ 3

Average size: Males: 58.00 feet.

¹⁾ See note 1 next page.

Table No. 6 (continued).

Fin-whales.

Engl. feet.	Number of		Total animals.
	males.	females.	
55	4	—	4
56	3	—	3
57	3	—	3
58	2	—	2
Sum	12	—	¹⁾ 12

Average size: Males: 56.25 feet.

Humpbacks.

Engl. feet.	Number of		Total animals.
	males.	females.	
44	2	—	2
45	2	—	2
46	2	—	2
Sum	6	—	¹⁾ 6

Average size: Males: 45.00 feet.

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
43	1	—	1	51	36	—	36
45	1	—	1	52	10	—	10
46	3	—	3	53	12	—	12
47	14	—	14	54	2	—	2
48	14	—	14	55	1	—	1
49	30	—	30	56	1	—	1
50	22	—	22	Sum	147	—	¹⁾ 147

Average size: Males: 49.91 feet.

¹⁾ In addition 140 blue-whales, 412 fin-whales, 1 humpback, 10 sei-whales and 643 sperm-whales respectively, for which measurement returns are not received.

Table No. 6 (continued).

20. Australia.

Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
29	—	1	1	45	15	48	63
30	1	1	2	46	3	28	31
31	1	1	2	47	—	18	18
32	2	2	4	48	—	8	8
33	4	1	5	49	1	—	1
34	5	1	6	50	—	2	2
35	47	20	67	52	—	1	1
36	50	34	84	Sum	1,117	664	¹⁾ 1,781
37	92	40	132	Average size	{ Males: 39.79 feet Females: 41.30 " Total animals: 40.35 "		
38	113	28	141	Per cent	{ Males: 62.72 Females: 37.28		
39	171	58	229				
40	171	59	230				
41	180	79	259				
42	135	84	219				
43	92	86	178				
44	34	64	98				

¹⁾ In addition 5 humpbacks sex not stated and 1 humpback lost.

21. New Zealand.

Humpbacks.

33	—	1	1	47	—	1	1
34	6	3	9	48	—	2	2
35	4	6	10	49	1	—	1
36	1	6	7	50	1	—	1
37	5	1	6	Sum	73	48	121
38	1	3	4	Average size	{ Males: 40.48 feet Females: 40.10 " Total animals: 40.33 "		
39	6	1	7	Per cent	{ Males: 60.33 Females: 39.67		
40	10	2	12				
41	11	2	13				
42	8	7	15				
43	9	5	14				
44	5	3	8				
45	5	2	7				
46	—	3	3				

Sei-whale.

Engl. feet.	Male.
47	1

**Table No. 7.—Average production of oil per “blue-whale unit”
in the summer season 1952.**

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

Geographical areas.	Company.	Blue-whale equivalents.	Oil production.	
			Total.	Per blue-whale equivalent.
			Barrels. ¹⁾	Barrels. ¹⁾
<i>Africa:—</i>				
Natal	No. 1	303.7	31,923	105.1
Cape Province	„ 1	287.0	22,160	77.2
French Congo	„ 1	134.1	16,485	122.9
Spanish Morocco	„ 1	7.0	387	55.3
Average		—	—	97.0
<i>Brazil</i>	No. 1	30.2	2,151	71.2
<i>North Atlantic and Arctic:—</i>				
Madeira	No. 1	3.0	137	45.7
Spain	„ 1	37.0	1,426	38.5
Norway	„ 1	27.5	1,825	66.4
	„ 2	71.3	4,471	62.7
	„ 3	50.7	3,092	61.0
	„ 4	43.3	2,836	65.5
Faroe Islands	„ 1	10.3	476	46.2
Iceland	„ 1	130.2	9,430	72.4
Newfoundland	„ 1	0.9	²⁾ 65	72.2
West Greenland	„ 1	8.0	²⁾ 134	16.8
Average		—	—	62.5
<i>Pacific North:—</i>				
British Columbia	No. 1	164.1	11,643	71.0
Kamtschatka, pelagic	„ 1	133.0	8,506	64.0
	„ 2	178.2	13,606	76.4
Kuril Islands	„ 1	171.4	11,736	68.5
Japan	„ 1	115.0	3,977	34.6
	„ 2	98.0	2,967	30.3
	„ 3	29.0	588	20.3
	„ 4	7.0	176	25.1
	„ 5	5.5	123	22.4
Bonin Island, pelagic	„ 1	68.9	2,241	32.5
Average		—	—	57.3
<i>Peru</i>	No. 1	24.8	1,216	49.0
<i>Chile</i>	No. 1	348.1	13,881	39.9
	„ 2	11.4	²⁾ 600	52.6
Average		—	—	40.3
<i>Australia</i>	No. 1	214.4	28,100	131.1
	„ 2	240.0	31,520	131.3
	„ 3	239.6	29,000	121.0
	„ 4	20.4	3,210	157.4
Average		—	—	128.5
<i>New Zealand</i>	No. 1	48.6	4,800	98.8

¹⁾ Barrel = 170 kg. (Barrel = abt. ¼ long ton, 1 long ton = 1,016 kg.) ²⁾ Calculated.

**Table No. 8.—Average production of oil per sperm-whale
in the summer season 1952.**

Geographical areas.	Company.	Number of sperm-whales.	Oil production.	
			Total.	Per sperm-whale.
<i>Africa:—</i>			Barrels. ¹⁾	Barrels. ¹⁾
Natal	No. 1	356	13,238	37.2
Cape Province	„ 1	331	8,715	26.3
Spanish Morocco	„ 1	39	434	11.1
Average		—	—	30.8
<i>Brazil</i>	No. 1	1	20	20.0
<i>North Atlantic and Arctic:—</i>				
Azores	No. 1	618	16,884	27.3
Madeira	„ 1	160	3,970	24.8
Spain	„ 1	63	963	15.3
Norway	„ 1	2	78	39.0
	„ 2	18	1,000	55.6
	„ 3	31	1,459	47.1
Faroe Islands	„ 1	1	46	46.0
Iceland	„ 1	2	94	47.0
West Greenland	„ 1	5	²⁾ 161	32.2
Average		—	—	27.4
<i>Pacific North:—</i>				
British Columbia	No. 1	126	4,577	36.3
Kamchatka, pelagic	„ 1	731	26,305	36.0
Kuril Islands	„ 1	1,627	39,722	24.4
Japan	„ 1	413	7,435	18.0
	„ 2	405	9,098	22.5
	„ 3	139	1,930	13.9
	„ 4	50	1,135	22.7
	„ 5	61	1,206	19.8
Bonin Island, pelagic	„ 1	18	541	30.1
Average		—	—	25.8
<i>Peru</i>	No. 1	37	725	19.6
<i>Chile</i>	No. 1	643	15,165	23.6
	„ 2	147	5,760	39.2
Average		—	—	26.5

¹⁾ Barrel = 170 kg. (Barrel = abt. $\frac{1}{6}$ long ton, 1 long ton = 1,016 kg.) ²⁾ Calculated.

Table No. 9.—Whale fetuses measured in the summer season 1952.

Blue-whale fetuses.

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
		Engl. ft.	Engl. ft.			Engl. ft.	Engl. ft.		
<i>Iceland.</i>					<i>Kamtchatka.</i>				
Average length of fetuses:	13 ³ / ₈	68	8' 0"	M	Average length of fetuses:	5 ⁵ / ₈	80	11' 7"	M
13' 6"	16 ⁶ / ₈	72	19' 0"	F	10' 6"	13 ³ / ₈	81	11' 5"	F
						"	79	4' 7"	F
<i>British Columbia.</i>						6 ⁶ / ₉	79	12' 2"	F
Average length of fetuses:	18 ¹⁸ / ₅	72	3' 10"	F		7 ⁷ / ₉	78	12' 4"	M
7' 8"	14 ¹⁴ / ₆	76	11' 6"	M		10 ¹⁰ / ₉	80	10' 9"	M

Fin-whale fetuses.

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
		Engl. ft.	Engl. ft.			Engl. ft.	Engl. ft.		
<i>Cape Province.</i>					<i>British Columbia</i>	17 ¹⁷ / ₆	63	4' 0"	M
Average length of fetuses:	30 ³⁰ / ₇	75	1' 0"	M	(cont.)	21 ²¹ / ₆	65	5' 5"	M
2' 3"	15 ¹⁵ / ₁₀	74	3' 6"	F		"	64	5' 8"	M
						24 ²⁴ / ₆	68	6' 0"	M
<i>Spanish Morocco.</i>						"	58	3' 8"	M
Average length of fetuses:	24 ²⁴ / ₅	66	2' 0"	F		26 ²⁶ / ₆	63	6' 0"	M
9' 3"						27 ²⁷ / ₆	61	4' 7"	F
<i>Norway.</i>						19 ¹⁹ / ₇	58	4' 8"	M
Average length of fetuses:	13 ¹³ / ₆	66	13' 0"	M		28 ²⁸ / ₇	62	3' 8"	M
9' 3"	17 ¹⁷ / ₈	60	4' 0"	F		31 ³¹ / ₇	61	2' 6"	M
	11 ¹¹ / ₇	64	9' 0"	F		1 ¹ / ₈	63	7' 9"	F
	20 ²⁰ / ₇	61	7' 0"	F		"	56	5' 9"	M
	27 ²⁷ / ₇	61	11' 0"	M		8 ⁸ / ₈	62	10' 0"	F
	29 ²⁹ / ₇	62	9' 0"	F		14 ¹⁴ / ₈	65	11' 0"	M
	3 ³ / ₈	67	11' 0"	M		16 ¹⁶ / ₈	68	7' 0"	M
	12 ¹² / ₈	66	2' 6"	M		26 ²⁶ / ₈	65	3' 0"	M
	11 ¹¹ / ₉	58	9' 0"	F		29 ²⁹ / ₈	66	4' 6"	F
	16 ¹⁶ / ₉	62	12' 0"	M		7 ⁷ / ₉	65	11' 6"	F
	23 ²³ / ₉	69	9' 6"	M		"	62	11' 8"	F
	14 ¹⁴ / ₁₀	61	6' 0"	M		15 ¹⁵ / ₉	63	8' 11"	F
	18 ¹⁸ / ₁₀	63	17' 0"	F	<i>Kamtchatka.</i>				
<i>Iceland.</i>					Average length of fetuses:	19 ¹⁹ / ₇	68	9' 4"	F
Average length of fetuses:	28 ²⁸ / ₅	61	2' 0"	M	8' 6"	21 ²¹ / ₇	65	6' 1"	F
5' 1"	30 ³⁰ / ₅	64	2' 0"	F		"	65	6' 3"	F
	20 ²⁰ / ₇	61	5' 0"	F		22 ²² / ₇	66	7' 2"	M
	"	70	9' 0"	F		28 ²⁸ / ₇	66	5' 4"	M
	17 ¹⁷ / ₈	63	9' 0"	M		6 ⁶ / ₈	63	5' 4"	F
	21 ²¹ / ₈	63	3' 6"	F		"	61	7' 8"	F
<i>Newfoundland.</i>						7 ⁷ / ₈	63	9' 3"	F
Average length of fetuses:	23 ²³ / ₆	63	3' 0"	M		"	64	8' 6"	M
5' 3"						"	66	10' 7"	M
	8 ⁸ / ₅	58	3' 0"	M		8 ⁸ / ₈	63	6' 1"	M
	17 ¹⁷ / ₅	58	0' 6"	M		9 ⁹ / ₈	66	8' 6"	F
	21 ²¹ / ₅	61	3' 9"	M		"	62	9' 3"	M
	"	62	3' 10"	F		13 ¹³ / ₈	64	9' 7"	M
	29 ²⁹ / ₅	65	5' 8"	M		"	65	9' 8"	M
	5 ⁵ / ₆	69	1' 6"	F		19 ¹⁹ / ₈	65	10' 0"	M
	7 ⁷ / ₆	64	3' 5"	M		20 ²⁰ / ₈	62	8' 2"	F
	8 ⁸ / ₆	60	2' 11"	F		24 ²⁴ / ₈	68	6' 4"	F
	11 ¹¹ / ₆	59	2' 0"	F		26 ²⁶ / ₈	62	10' 2"	M
	14 ¹⁴ / ₆	60	2' 3"	M		"	66	8' 8"	F

Table No. 9 (continued).

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.	
		Mother.	Foetus.				Mother.	Foetus.		
<i>Kamtschatka</i> (cont.).	28/8	65	5' 1"	M	<i>Kuril Islands.</i> Average length of foetuses: 3' 6"	25/5	68	2' 4"	M	
	29/8	64	7' 1"	F		60	2' 8"	M		
	1/9	65	9' 10"	M		5/6	64	3' 4"	F	
	6/9	64	11' 6"	F		14/6	60	2' 8"	M	
	9/9	61	7' 3"	F		9/7	64	5' 11"	F	
	13/9	64	6' 0"	M		11/7	66	4' 3"	F	
	14/9	66	5' 2"	F		20/7	66	3' 4"	M	
	64	14' 3"	M							
	15/9	64	12' 0"	M		<i>Japan.</i> Average length of foetuses: 5' 1"	4/7	56	3' 0"	M
	16/9	60	11' 2"	F			22/7	59	3' 5"	M
	19/9	64	11' 5"	F			27/7	68	4' 0"	F
	"	61	9' 8"	F			27/7	68	4' 0"	F
	"	64	9' 0"	F			17/9	64	10' 0"	M
	"	64	9' 0"	F						

Humpback foetuses.

<i>Natal.</i>	14/8	45	12' 0"	F	<i>Australia</i> (cont.).	6/7	45	15' 0"	M
<i>Cape Province.</i>	15/8	47	13' 0"	F		7/7	44	17' 6"	M
<i>French Congo.</i>	1/8	46	7' 0"	M		9/7	42	13' 10"	F
Average length of foetuses: 11' 9"	23/8	50	12' 0"	M		10/7	45	16' 7"	F
	26/8	47	16' 0"	M		11/7	44	15' 2"	M
	30/8	46	12' 0"	F		"	45	17' 2"	F
<i>British Columbia.</i>						13/7	47	16' 6"	F
Average length of foetuses: 4' 7"	9/8	43	3' 1"	F		"	43	14' 0"	M
	10/8	45	1' 8"	F		15/7	47	16' 2"	F
	15/8	44	4' 0"	M		16/7	43	15' 8"	M
	16/8	41	3' 4"	M		19/7	39	13' 6"	M
	"	42	4' 2"	M		20/7	44	13' 2"	F
	25/8	44	6' 10"	M		21/7	42	15' 6"	F
	27/8	43	4' 11"	M		"	44	15' 1"	M
	9/9	44	9' 5"	F		"	45	16' 9"	M
	18/9	44	3' 8"	M	24/7	41	9' 8"	M	
<i>Kamtschatka.</i>					25/7	42	13' 7"	M	
Average length of foetuses: 5' 11"	13/8	45	4' 9"	F	28/7	44	16' 5"	F	
	19/8	37	5' 4"	M	29/7	45	13' 10"	F	
	23/8	41	6' 6"	F	30/7	43	14' 10"	F	
	24/8	42	4' 0"	F	31/7	42	13' 5"	F	
	31/8	44	5' 4"	M	1/8	39	12' 3"	M	
	"	43	6' 4"	F	2/8	45	13' 8"	M	
	1/9	43	7' 0"	F	"	43	12' 7"	M	
	"	48	6' 0"	F	3/8	39	13' 4"	F	
	"	48	6' 0"	F	5/8	47	13' 7"	F	
	17/9	44	7' 6"	M	"	45	13' 4"	F	
	18/9	45	6' 7"	M	6/8	40	11' 3"	M	
<i>Australia.</i>					7/8	45	14' 2"	M	
Average length of foetuses: 13' 6"	14/6	45	9' 3"	F	"	45	14' 7"	M	
	23/6	45	16' 0"	M	9/8	44	14' 0"	M	
	3/7	43	14' 6"	M	12/8	48	15' 0"	M	
	4/7	37	12' 10"	F	13/8	42	15' 0"	M	
	"	44	14' 9"	F	"	44	13' 2"	M	
	"	45	16' 0"	F	19/8	45	14' 0"	F	
	"	45	17' 0"	M	21/8	46	14' 8"	F	
	5/7	44	16' 0"	M	22/8	39	12' 6"	F	
	"	42	11' 7"	F	"	44	14' 0"	F	
	"				24/8	38	14' 3"	M	
	"				25/8	42	12' 10"	M	
	"				"	43	13' 8"	M	

Table No. 9 (continued).

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
<i>Australia</i> (cont.)	26/8	43	13' 11"	M	<i>New Zealand.</i> Average length of foetuses: 13' 11"	15/6	43	13' 0"	F
	"	43	12' 9"	F		20/6	44	13' 4"	F
	28/8	45	0' 3/4"	"		4/7	40	12' 9"	M
	"	43	14' 1"	F		"	43	15' 4"	M
	2/9	43	6' 3/8"	"		"	41	14' 9"	M
	"	44	11' 10"	F		14/7	42	15' 0"	F
	3/9	44	14' 11"	M		15/7	45	15' 10"	M
	4/9	44	15' 3"	F		17/7	47	13' 3"	M
	16/9	40	0' 7/8"	"		"	37	12' 0"	F
	24/9	40	12' 5"	F		21/7	41	13' 6"	F
	25/9	42	15' 3"	F		23/7	48	15' 11"	M
						31/7	42	13' 5"	F
						5/8	43	13' 4"	M

Sei-whale foetuses.

<i>Natal.</i>	11/7	44	5' 0"	F	<i>Japan.</i> (cont.)	15/8	46	5' 10"	M
<i>Cape Province.</i> Average length of foetuses: 6' 5"	20/5	41	5' 0"	M		20/8	42	4' 5"	F
	"	44	12' 0"	F		23/8	48	6' 5"	F
	23/6	52	7' 0"	F		14/9	48	9' 9"	F
	5/10	53	1' 6"	F		19/9	50	7' 5"	M
<i>French Congo.</i> Average length of foetuses: 7' 6"	30/6	45	3' 0"	M		26/9	47	8' 5"	M
	4/7	44	4' 0"	M		4/10	48	6' 5"	F
	10/7	47	8' 0"	M		7/10	49	13' 0"	F
	13/7	46	7' 0"	M		"	47	10' 5"	F
	"	47	6' 0"	M		11/10	44	11' 3"	F
	"	47	11' 0"	F	"	49	12' 0"	M	
	"	48	11' 0"	M	21/10	47	12' 8"	F	
	31/7	43	9' 0"	M	29/10	44	9' 8"	M	
	11/8	47	10' 0"	M	30/10	49	10' 10"	F	
	"	48	10' 0"	M	<i>Bonin Island.</i> Average length of foetuses: 3' 10"	1/5	44	2' 2"	F
7/9	44	8' 0"	M	3/5		45	5' 7"	M	
"	47	3' 0"	M	4/5		43	1' 10"	F	
				7/5		44	3' 3"	F	
				9/5		41	3' 8"	F	
				"		41	2' 6"	F	
				10/5		43	5' 7"	M	
				"		41	1' 6"	M	
				12/5		41	0' 1"	"	
				13/5		43	1' 8"	M	
<i>Iceland.</i>	6/9	47	10' 0"	F	"	42	2' 4"	M	
<i>British Columbia.</i> Average length of foetuses: 5' 9"	27/6	46	7' 2"	M	"	42	2' 10"	M	
	14/7	43	6' 10"	M	14/5	42	0' 9"	F	
	17/7	47	3' 4"	M	16/5	44	5' 8"	F	
<i>Ka mtchatka.</i> Average length of foetuses: 9' 9"	5/9	46	9' 5"	M	17/5	43	6' 1"	F	
	14/9	46	10' 1"	F	20/5	43	0' 6"	F	
<i>Japan.</i> Average length of foetuses: 7' 9"	31/5	40	4' 5"	M	"	43	3' 0"	M	
	18/6	46	4' 5"	M	21/5	41	1' 10"	M	
	16/6	44	3' 0"	M	"	45	5' 2"	F	
	12/7	45	4' 1"	M	"	42	3' 11"	M	
	29/7	45	9' 0"	F	"	41	3' 8"	F	
	3/8	40	2' 0"	F	22/5	45	5' 7"	M	
					23/5	42	4' 7"	M	
					24/5	40	1' 1"	F	
				"	42	4' 3"	M		
				"	42	4' 0"	M		

Table No. 9 (continued).

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
<i>Bonin Island</i> (cont.).	25/5	40	2' 3"	F	<i>Bonin Island</i> (cont.).	4/6	44	5' 8"	F
	"	42	4' 4"	F		6/6	43	6' 1"	F
	"	41	5' 7"	F		7/6	41	3' 5"	M
	26/5	40	1' 0"	F		"	45	4' 4"	F
	27/5	41	0' 6"	F		"	42	1' 10"	F
	28/5	43	5' 5"	F		8/6	46	4' 8"	F
	"	40	2' 8"	M		"	45	5' 7"	M
	"	43	4' 2"	F		"	44	6' 3"	M
	"	40	5' 2"	F		9/6	42	4' 8"	M
	"	42	6' 1"	M		"	45	9' 0"	F
	"	43	1' 10"	F		10/6	45	12' 0"	F
	29/5	44	7' 2"	M		"	42	6' 0"	M
	"	44	5' 2"	M		"	43	9' 0"	M
	"	45	8' 4"	F		12/6	40	3' 1"	M
	"	41	2' 1"	F		13/6	43	7' 3"	M
	30/5	42	1' 8"	M		"	42	3' 2"	M
	"	42	1' 1"	F		16/6	42	6' 5"	F
	"	41	0' 8"	F		17/6	45	1' 10"	F
	"	43	3' 1"	F		"	43	5' 5"	M
	"	42	0' 7"	M		"	44	6' 2"	F
	"	42	1' 9"	M		"	42	4' 2"	M
	31/5	42	5' 3"	F		18/6	41	1' 11"	F
	"	40	0' 2"	F		19/6	42	4' 1"	M
	1/6	41	4' 10"	F		"	41	4' 10"	M
	"	44	2' 9"	F		"	42	1' 8"	F
	"	43	2' 6"	F		20/6	44	6' 6"	M
	"	43	2' 3"	F		"	44	5' 4"	M
2/6	42	1' 5"	M	"					

Sperm-whale foetuses.

<i>Natal.</i> Average length of foetuses: 7' 2"	27/5	30	5' 0"	M	<i>British Columbia.</i> Average length of foetuses: 6' 9"	23/5	35	0' 6"		
	"	35	4' 0"	M		13/5	37	13' 0"	M	
	13/6	35	3' 0"	M	<i>Kuril Islands.</i>	26/5	38	13' 2"	F	
	15/6	35	5' 0"	M		<i>Japan.</i> Average length of foetuses: 7' 8"	31/3	36	10' 0"	M
	18/6	35	4' 0"	F			24/4	36	12' 0"	F
30/7	35	10' 0"	F	30/4	38		13' 0"	M		
"	35	5' 0"	M	1/5	36		10' 0"	M		
9/6	35	5' 0"	F	"	35		11' 0"	F		
<i>Cape Province.</i> Average length of foetuses: 6' 9"	19/6	36	7' 0"	F	10/5	36	13' 3"	M		
	31/7	35	9' 0"	M	27/5	36	12' 0"	M		
	"	35	7' 0"	F	8/6	36	13' 3"	M		
	4/9	35	9' 0"	F	12/6	36	14' 5"	F		
	5/9	30	9' 0"	F	13/6	38	11' 0"	F		
	"	36	7' 0"	M	"	35	1' 5"	M		
	"	35	5' 0"	F	14/6	37	0' 11"	F		
	"				"	36	6' 0"	F		
<i>Spanish Morocco.</i> Average length of foetuses: 7' 8"	15/3	32	9' 0"	M	27/6	37	12' 8"	M		
	21/3	26	7' 0"	M	"	36	10' 11"	F		
	"	31	7' 0"	F	4/7	37	10' 5"	M		

Table No. 9 (continued).

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
<i>Japan</i> (cont.).		Engl. ft.	Engl. ft.		<i>Japan</i> (cont.).		Engl. ft.	Engl. ft.	
	6/7	36	10' 5"	F		18/9	36	2' 7"	M
	7/7	38	8' 0"	M		27/9	36	3' 7"	M
	7/8	36	12' 0"	F		27/10	36	9' 5"	F
	„	37	13' 0"	M		28/10	35	1' 9"	F
	„	35	10' 2"	F		„	36	1' 9"	F
	11/8	30	0' 11"	M		29/10	36	11' 4"	M
	4/9	36	2' 0"			1/10	38	1' 8"	F
	„	36	10' 0"	M		7/11	37	5' 8"	M
	7/9	38	3' 4"	M		„	37	{3' 4"	F
	„	35	1' 3"	M		„		{3' 9"	F
	11/9	35	2' 5"	F		20/11	36	5' 2"	F

