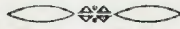


INTERNATIONAL  
WHALING STATISTICS

XXIX

EDITED BY  
THE COMMITTEE FOR WHALING STATISTICS



OSLO 1953

DET NORSKE HVALRÅDS STATISTISKE PUBLIKASJONER

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## PREFACE

The present publication, International Whaling Statistics No. XXIX, contains statistics covering the Antarctic Season 1950-51 and Whaling on grounds outside the Antarctic in 1951. As far as the Committee knows all tables concerning the number of whales caught and production of oil are complete. The Committee has, however, not received measurement statements from some of the companies, and the tables giving the average size etc. are therefore not complete.

Oslo, 10th February 1953.

*Gunnar Jahn.*

*Birger Bergersen.*

*Einar Vangstein.*



## INTRODUCTION

The present publication contains a complete picture of the world aggregate whaling results in 1951. In respect to the Antarctic the data refer to the season 1950-51 and for the other areas the calendar year 1951. The Antarctic whaling results were given in detail in International Whaling Statistics No. XXVIII, while the results for other whaling grounds are presented here for the first time.

In this publication the greatest interest concerns the whaling outside the Antarctic. This whaling covers several grounds and has, during the post-war years, been carried on to a far greater extent than during the years before the war. In 1951 221 catchers were employed in these areas, the highest number so far recorded in post-war years. The whaling outside the Antarctic is carried on from shore stations to a greater extent than in the Antarctic. In 1951 it was carried on from 42 shore stations and 7 floating factories. In the Antarctic season 1950-51 3 shore stations and 19 floating factories were operating with a total of 262 catchers.

The usual tables illustrating the development of whaling from 1937-38 to and including 1950-51 have been enclosed on pages 12-27 as an annex to this introduction.

From these tables it will, i.a., be found in which areas whaling was carried on outside the Antarctic in 1951. It will be seen that, to a great extent, the same grounds were operated as in 1950. On one ground, off the coast of Madagascar, there was no activity in 1951, while on the other hand, whaling was resumed off the coasts of California and Peru. From California no whaling had been carried on since 1949, and from Peru not since 1948.

If the number of whales killed is accepted as the measure of whaling activity, it may be said that it has never been greater than during the last season, when the total number of whales killed amounted to 55,795, i.e. 10,000 whales more than during the previous season.

However, this aggregate does not furnish a complete picture of the whaling results. This may only be obtained by specifying the results on the individual grounds and the various species of whales killed. On the basis of these specifications one may be able to characterize the development which has taken place.



In the annex, page 12 (table *c*) is given a survey of the whales killed in the Antarctic and in the other main areas. This table shows that the considerable increase in the number of whales killed must be accounted for in areas outside the Antarctic. In these areas 21,798 whales were killed in 1951, i.e. 9,134 more than the previous year. Owing to the regulation of the Antarctic whaling (the pelagic catch being limited to 16,000 blue-whale units), there is a definite allowance of the number of whales permitted to be killed in these waters.

The great increase in the number of whales killed outside the Antarctic does not, however, give a correct picture of the development of whaling. The number of whales killed embraces, apart from the baleen whale, also the sperm-whale, and the latter species should be dealt with separately. The sperm-whales are toothed whales and differ from the baleen whales in feeding habits and seasonal movements. The products derived from sperm-whales are not used for human food and do not compete with the products of the baleen whales. It is the latter species one primarily must consider when the problems of whaling are being discussed and the necessary steps taken to prevent the depletion of the whale stock.

The number of whales killed during the period 1937/38–1950/51, registered in the two main groups baleen whales and sperm-whales, has been as follows:—

Season	Blue-whales, fin-whales, humpbacks, sei-whales	Sperm-whales	Others	Total of whales killed
1937–38 .....	50,769	3,734	370	54,873
1938–39 .....	38,982	5,500	1,290	45,772
1939–40 .....	32,274	4,671	764	37,709
1940–41 .....	17,924	5,565	149	23,638
1941–42 .....	2,929	4,992	151	8,072
1942–43 .....	2,754	5,344	248	8,346
1943–44 .....	3,828	2,291	78	6,197
1944–45 .....	4,249	1,656	1	5,906
1945–46 .....	15,901	3,425	22	19,348
1946–47 .....	27,218	7,446	56	34,720
1947–48 .....	33,273	9,797	308	43,378
1948–49 .....	34,794	8,962	192	43,948
1949–50 .....	36,749	8,186	125	45,060
1950–51 .....	37,482	18,264	49	55,795

It will be seen from these figures that there has been a comparatively small increase in the number of baleen whales killed during the last 3 seasons, and that the result for none of these seasons has reached the number registered in the two pre-war seasons. It is entirely different as far as the sperm-whale is concerned. For this species the post-war figures have remained on an exceptionally high level, and in 1950–51 reached a maximum with 18,264.

In the following survey the same classification is given for the Antarctic and other grounds. From this we learn that the number of baleen whales killed has remained comparatively constant in the Antarctic, and that the catch of baleen whales on other grounds during the last 3 seasons has kept a comparatively high level.

Season	Baleen whales killed			Sperm-whales killed		
	Total	In Antarctic	On other grounds	Total	In Antarctic	On other grounds
1937-38.....	51,139	45,172	5,967	3,734	867	2,867
1938-39.....	40,272	35,771	4,501	5,500	2,585	2,915
1939-40.....	33,038	30,962	2,076	4,671	1,938	2,733
1940-41.....	18,073	15,559	2,514	5,565	804	4,761
1941-42.....	3,080	1,316	1,764	4,992	109	4,883
1942-43.....	3,002	974	2,028	5,344	24	5,320
1943-44.....	3,906	1,698	2,208	2,291	101	2,190
1944-45.....	4,250	2,846	1,404	1,656	45	1,611
1945-46.....	15,923	13,114	2,809	3,425	273	3,152
1946-47.....	27,274	24,162	3,112	7,446	1,431	6,015
1947-48.....	33,581	28,696	4,885	9,797	2,622	7,175
1948-49.....	34,986	27,357	7,629	8,962	4,078	4,884
1949-50.....	36,874	29,669	7,205	8,186	2,727	5,459
1950-51.....	37,531	29,029	8,502	18,264	4,968	13,296

The number of sperm-whales killed in the Antarctic has varied greatly during the last 3 seasons and in 1950-51 reached approximately 5,000, but the largest number of sperm-whales has been killed elsewhere. In 1951 the number of sperm-whales killed on other grounds was larger than ever before.

The number of baleen whales killed on other grounds has been very high during the last 3 years and reached a maximum in 1951. This must, however, be attributed to an increased intensity in the whaling activities rather than to an abundance of whales.

By examining the data in the annexed tables *j* to *u*, pages 21-27 one cannot find that they express a tendency towards a more abundant presence of baleen whales. On the contrary, it may be assumed that the presence of certain species of the baleen whale is rather scarce.

In the areas outside the Antarctic the blue-whale catch has been quite insignificant. The whaling operations in these areas have mainly been concentrated on fin-whales and humpbacks, and during the majority of the years since 1937, the catch of fin-whales has been dominating. Only during 4 years of the periode recorded in the tables the humpback catch has played the most important part, viz. in 1937, 1938, 1949, and 1950. Also in 1951 a large number of humpbacks was killed. The number of sei-whales killed has for many years been higher than the number of humpbacks killed, as it will appear from the table page 10.

**Baleen whales killed outside the Antarctic during the years 1937-1951, by species.**

Year	Blue	Fin	Humpback	Sei	Others	Total baleen whales
1937.....	348	3,346	5,386	746	910	10,736
1938.....	112	1,671	3,046	768	370	5,967
1939.....	71	1,838	510	793	1,289	4,501
1940.....	80	1,028	452	457	59	2,076
1941.....	85	1,319	264	697	149	2,514
1942.....	22	980	290	321	151	1,764
1943.....	26	1,033	288	433	248	2,028
1944.....	14	1,046	278	792	78	2,208
1945.....	69	951	243	140	1	1,404
1946.....	69	1,799	257	662	22	2,809
1947.....	110	1,948	261	738	55	3,112
1948.....	249	2,887	489	952	308	4,885
1949.....	156	2,640	3,364	1,277	192	7,629
1950.....	131	2,842	2,920	1,187	125	7,205
1951.....	230	3,363	2,714	2,147	48	8,502
Total 1937-1951 .....	1,772	28,691	20,762	12,110	4,005	67,340

The unspecified species—"others"—consist of different kinds of small whales, a comparatively small number of grey-whales and a number of whales whose name has not been stated. The areas covered by this table extend from the Arctic waters to the entire Atlantic ocean and the Pacific ocean.

In the annexed tables *j-u*, pages 21-27 these areas have been treated separately and particulars are given in respect to the individual whaling grounds in each area.

When concentrating the attention on the baleen whale catch, it will appear that the records from all grounds reveal a quite insignificant blue-whale catch. In the North Atlantic and Arctic the catch consists mainly of fin-whales, while the catch of humpbacks and sei-whales has played a subordinate part. This also applies to the catch off the coast of Portugal, while, on the other hand, quite a large number of humpbacks have been killed off the coast of Africa. In 1951, however, the catch of sei- and fin-whales was of equal importance in these waters. The humpback catch was dominating off the coast of Congo, while the fin-whale catch was of greatest importance off the coast of Natal and the Cape Province. Even if the number of whales killed on these grounds in 1951 has been higher than during the previous years, this fact does not signify a more abundant stock of whales being present, the catch being dependent on the number of catchers employed, which was very high in 1951.

On the Pacific grounds the whaling activity has mainly been concentrated on fin- and sei-whales, but altogether, whaling has not been carried on to a great extent, and nothing seems to indicate an abundant stock of whales in these waters.

In Japanese waters the sei-whale is now numerically the most important species, and it is the sei-whale catch which has enabled the Japanese companies to carry on whaling. On the Kamtchatka grounds the fin-whale catch plays the dominant part.

The catch from Brazil during the last 2 seasons has consisted mainly of sei-whales.

The whaling activity off the coast of Chile has mainly been concentrated on fin-whales, but compared with whaling on other grounds, a relatively high number of blue-whales has been killed in these waters.

The whaling along the coast of Peru has been quite insignificant, and the catch has consisted mainly of fin-whales and humpbacks. The grounds where the catch of humpbacks seems to be dominating, are the waters around New-Zealand and Australia, where the catch has consisted almost exclusively of humpbacks.

The Committee for International Whaling Statistics has found it important to draw attention to the different species of whales killed in the various grounds. The Committee does not consider it necessary to analyze the data concerning the oil production, the average size of whales killed, etc., the supplementary tables annexed to the introduction being sufficiently illustrating without further comments.

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**Annex.**  
**Supplementary Tables to the Introduction.**

**Table a.—Whaling material in operation in the years 1937/38—1950/51.**

Years. <sup>1</sup>	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	32	11	171	3	9	93	29	2	78
1946-47	35	20	256	3	15	147	32	5	109
1947-48	46	21	323	3	17	183	43	4	140
1948-49	43	22	358	3	18	212	40	4	146
1949-50	43	22	390	3	18	237	40	4	153
1950-51	45	26	483	3	19	262	42	7	221

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

**Table b.—Whales killed in the years 1937/38—1950/51, by species.**

Years. <sup>1</sup>	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	939	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

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

Table c.—Whales killed in the various main areas 1937/38—1950/51.

Years.	All areas.		Antarctic.		North Atlantic and Arctic. <sup>1)</sup>		Africa.		Pacific, north. <sup>2)</sup>		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
1941-42	8,072	100	1,425	17.7	181	2.2	498	6.2	189	2.3	1,148	14.2	4,631	57.4
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

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

Table d.—Oil production in the years 1937/38—1950/51.

Years.	All whaling grounds.		Principal grounds.					
			Antarctic.		North Atlantic and Arctic. <sup>1)</sup>		Africa.	
	Total oil output.	Oil output per catcher.	Oil output.	Oil output per catcher.	Oil output.	Oil output per catcher.	Oil output.	Oil output per catcher.
	Barrels. <sup>2)</sup>	Barrels.	Barrels.	Barrels.	Barrels.	Barrels.	Barrels.	Barrels.
1937-38	3,641,314	10,200	3,340,330	13,048	22,097	1,004	139,102	6,323
1938-39	3,011,813	8,389	2,820,771	10,038	26,066	1,241	106,793	5,085
1939-40	2,668,756	8,721	2,544,253	10,601	2,950	2,950	40,419	3,674
1940-41	1,268,081	7,246	1,100,008	11,828	1,855	1,855	26,638	5,328
1941-42	213,948	4,114	77,819	6,485	<sup>3)</sup> 1,855	1,855	19,740	3,948
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
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
1941-42		100.0		36.4		0.9		9.2
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		88.7		1.6		2.2
1947-48		100.0		86.3		2.5		2.6
1948-49		100.0		85.5		2.3		7.1
1949-50		100.0		85.0		2.5		6.0
1950-51		100.0		77.8		2.2		5.2

<sup>1)</sup> Exclusive Spain, Portugal, Azores, and Madeira. <sup>2)</sup> Barrel = 170 kg. (Barrel = abt.  $\frac{1}{8}$  long ton, 1 long ton = 1,016 kg.) <sup>3)</sup> Calculated.

Table e.—Sperm-oil production in the years 1938/39—1950/51.<sup>1)</sup>

Grounds.	<sup>2)</sup> 1938-39	1939-40	1945-46	1946-47	1947-48	1948-49	1949-50	1950-51
	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels
South Georgia . . . . .	6,971	4,245	2,686	5,987	5,816	9,175	7,902	9,944
Antarctic, pelagic . . . . .	144,775	102,710	11,059	66,054	131,093	202,560	130,400	242,858
Africa:—								
Natal . . . . .	16,083	14,672	19,334	14,272	20,391	20,009	13,991	25,744
Cape Province . . . . .	—	—	—	1,485	2,999	4,380	3,300	4,184
Madagascar . . . . .	1,291	—	—	—	—	—	400	—
French Congo <sup>3)</sup> . . . . .	—	—	—	—	—	—	—	2,580
Indian Ocean . . . . .	—	—	—	—	—	—	1,000	—
Spanish Morocco . . . . .	—	—	—	—	1,335	1,102	1,236	1,177
Atlantic and Arctic:—								
Azores . . . . .	6,920	10,047	11,917	12,974	15,555	10,421	10,907	18,434
Madeira . . . . .	—	—	2,565	2,585	4,129	2,290	387	3,603
Spain . . . . .	—	—	—	—	—	—	52	627
Portugal . . . . .	—	—	645	1,080	1,076	597	139	209
Norway . . . . .	737	—	1,059	841	2,766	1,043	3,846	3,734
Scotland . . . . .	—	—	—	—	—	—	—	40
Faroe Islands . . . . .	558	—	578	621	1,595	2,030	1,981	2,856
Iceland . . . . .	183	—	—	—	864	1,425	485	647
West Greenland . . . . .	—	—	—	—	—	88	108	<sup>4)</sup> 130
Newfoundland . . . . .	840	—	649	1,212	757	3,377	1,758	799
Pacific North:—								
California . . . . .	—	—	—	140	1,221	920	—	979
British Columbia . . . . .	—	<sup>4)</sup> 5,040	—	—	1,170	2,312	1,468	5,108
Alaska . . . . .	2,655	—	—	—	—	—	—	—
Pelagic whaling . . . . .	—	6,281	—	—	—	—	—	—
Kamtechatka . . . . .	7,904	—	<sup>4)</sup> 12,500	—	23,975	30,651	24,706	29,919
Kuril Islands . . . . .	—	—	—	—	9,817	24,042	34,353	36,700
Japan . . . . .	10,961	22,280	3,148	4,862	11,054	10,960	22,512	23,146
Bonin Island, pelagic . . . . .	—	—	118	736	607	724	2,003	1,968
Peru . . . . .	—	—	—	105,986	88,205	—	—	195,956
Chile . . . . .	5,928	2,234	12,699	21,160	17,533	18,243	22,575	21,115
Total <sup>1)</sup>	205,806	167,509	78,957	239,995	341,958	345,449	285,509	632,457

<sup>1)</sup> During the war years 1940/41—1944/45, for which figures are omitted in this table, the total sperm-oil production was as follows: In 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. <sup>2)</sup> 1938-39 = Antarctic season 1938-39 and summer 1939, a.s.o. <sup>3)</sup> Incl. St. Thomé. <sup>4)</sup> Calculated.

Table f.—Whaling results for the various countries 1937/38—1950/51. All areas.

Number of whales killed.															
Years.	All countries	Argentina.	Brazil.	British Commonwealth. <sup>1)</sup>	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	—	<sup>2)</sup> 15,355	1,527	388	2,650	265
1938-39.....	45,772	1,024	—	14,104	469	178	5,066	130	9,820	—	<sup>2)</sup> 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
1941-42.....	8,072	1,066	—	1,162	54	—	—	—	1,148	—	3,456	—	606	26	554
1942-43.....	8,346	998	—	1,057	61	—	—	—	1,491	—	3,462	—	770	29	478
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.....	<sup>3)</sup> 43,378	814	36	17,150	1,116	302	—	239	3,157	1,294	16,104	—	948	67	2,104
1948-49.....	<sup>3)</sup> 43,948	919	38	14,811	991	335	—	324	3,331	1,366	16,570	1,356	602	49	3,122
1949-50.....	<sup>3)</sup> 45,060	946	128	12,782	1,093	478	—	265	4,121	1,295	17,234	—	448	—	3,931
1950-51.....	<sup>3)</sup> 55,795	796	179	13,921	1,094	387	—	339	5,043	1,660	18,024	4,021	1,641	40	4,274
<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
1941-42.....	100.0	13.2	—	14.4	0.7	—	—	—	14.2	—	42.8	—	7.5	0.3	6.9
1942-43.....	100.0	12.0	—	12.7	0.7	—	—	—	17.9	—	41.5	—	9.2	0.3	5.7
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.....	<sup>3)</sup> 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.....	<sup>3)</sup> 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.....	<sup>3)</sup> 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.....	<sup>3)</sup> 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

<sup>1)</sup> Specification for countries of the British Commonwealth is given on the second following page. <sup>2)</sup> Including the catch of two Norwegian expeditions hired by Germany—in 1936/37 1,756 whales, in 1937/38 2,158 whales, and in 1938/39 1,658 whales. <sup>3)</sup> In the total figures for the seasons 1947/48—1950/51 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, and in 1950/51—4,079 whales = 7.3 per cent; for *Peru* in 1950/51—61 whales = 0.1 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, and in 1950/51—236 whales = 0.4 per cent.



Table g.—Whaling results for the various countries 1937/38—1950/51. All areas.  
Oil production in barrels.<sup>1)</sup>

Years.	All countries.	Argentina.	Brazil.	British Commonwealth. <sup>2)</sup>	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	— <sup>3)</sup>	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	— <sup>3)</sup>	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
1941-42	213,948	60,807	—	47,745	1,546	—	—	—	10,832	—	64,500	—	13,070	948	14,500
1942-43	212,307	50,960	—	39,932	2,111	—	—	—	16,723	—	72,000	—	13,880	760	15,941
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	<sup>4)</sup> 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	<sup>4)</sup> 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	<sup>4)</sup> 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	<sup>4)</sup> 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
<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
1941-42	100.0	28.4	—	22.3	0.7	—	—	—	5.1	—	30.2	—	6.1	0.4	6.8
1942-43	100.0	24.0	—	18.8	1.0	—	—	—	7.9	—	33.9	—	6.5	0.4	7.5
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	<sup>4)</sup> 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	<sup>4)</sup> 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	<sup>4)</sup> 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	<sup>4)</sup> 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

<sup>1)</sup> Barrel = 170 kg. (Barrel = abt.  $\frac{1}{8}$  long ton, 1 long ton = 1,016 kg). <sup>2)</sup> Specification for countries of the British Commonwealth is given on next page. <sup>3)</sup> The figures include the catch of two Norwegian expeditions hired by Germany—in 1936/37 134,200 barrels, in 1937/38 180,750 barrels, and in 1938/39 118,883 barrels. <sup>4)</sup> In the total figures for the seasons 1947/48—1950/51 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, and in 1950/51—145,721 barrels = 4.9 per cent; for Peru in 1950/51—2,015 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, and in 1950/51—4,529 barrels = 0.2 per cent.

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

Years	British Commonwealth	Of which					
		United Kingdom	Union of South Africa	New-foundland	Canada	New Zealand	Australia
1938-39.....	14,104	9,625	4,398	—	—	81	—
1939-40.....	13,207	9,953	2,925	—	220	109	—
1941-42.....	1,162	359	498	71	163	71	—
1942-43.....	1,057	98	724	54	91	90	—
1943-44.....	1,171	199	819	65	—	88	—
1944-45.....	1,229	216	729	177	—	107	—
1945-46.....	6,682	5,409	984	179	—	110	—
1946-47.....	14,736	10,494	3,972	157	—	111	2
1947-48.....	17,150	11,410	5,115	347	182	92	4
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
<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	—
1941-42.....	14.4	4.4	6.2	0.9	2.0	0.9	—
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

**Oil production in barrels.<sup>1)</sup>**

1938-39.....	1,007,223	796,796	207,738	—	—	2,689	—
1939-40.....	938,147	766,209	159,329	—	8,700	3,909	—
1941-42.....	47,745	17,012	19,740	1,855	6,150	2,988	—
1942-43.....	39,932	4,000	27,373	1,564	3,230	3,765	—
1943-44.....	40,973	7,200	29,380	1,763	—	2,630	—
1944-45.....	40,401	7,478	23,189	5,252	—	4,482	—
1945-46.....	307,048	265,112	30,552	7,200	—	4,184	—
1946-47.....	901,597	638,576	252,556	6,600	—	3,825	40
1947-48.....	949,235	685,650	242,187	11,790	5,679	3,864	65
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
<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	—
1941-42.....	22.3	7.9	9.2	0.9	2.9	1.4	—
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

<sup>1)</sup> Barrel = 170 kg. (Barrel = abt.  $\frac{1}{8}$  long ton, 1 long ton = 1,016 kg.)

**Table i.—Average size of whales killed in the different grounds in the years 1937 to 1939, and 1947 to 1951.**

Species of whales and whaling grounds.	1951	1950	1949	1948	1947	1939	1938	1937
	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
<b>Blue-whales.</b>								
Antarctic:—								
South Georgia . . . . .	76.90	74.29	76.29	76.28	77.09	75.81	70.89	71.79
Pelagic whaling . . . . .	78.28	79.03	79.06	78.42	78.29	78.11	78.42	77.49
Africa:—								
Natal . . . . .	69.70	68.89	70.29	67.50	68.72	—	67.00	66.23
Cape Province . . . . .	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 . . . . .	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 . . . . .	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 . . . . .	71.78	72.50	77.50	—	—	—	—	—
Kamtchatka . . . . .	74.14	77.40	76.33	—	—	—	—	—
Kuril Islands . . . . .	69.22	74.50	—	—	—	—	—	—
Japan . . . . .	70.85	73.86	70.79	71.67	72.90	—	—	—
Bonin Island . . . . .	—	—	—	62.00	72.00	—	—	—
Peru . . . . .	—	—	—	68.00	—	—	—	—
Chile . . . . .	74.03	74.27	74.50	74.20	71.09	—	—	—
<b>Fin-whales.</b>								
Antarctic:—								
South Georgia . . . . .	65.98	65.23	65.56	65.76	67.54	65.37	64.52	63.56
Pelagic whaling . . . . .	66.71	67.46	67.93	67.94	67.43	67.21	67.86	67.80
Africa:—								
Natal . . . . .	60.50	61.08	61.36	60.54	60.87	—	60.14	59.91
Cape Province . . . . .	59.84	58.82	59.52	57.17	55.93	—	—	—
Madagascar . . . . .	—	66.70	—	—	—	—	—	—
French Congo <sup>1)</sup> . . . . .	60.25	—	—	—	—	—	—	—
Spanish Morocco . . . . .	62.25	61.34	—	60.07	—	—	—	—
North Atlantic and Arctic:								
Spain . . . . .	—	61.58	—	—	—	—	—	—
Portugal . . . . .	54.33	62.32	—	—	—	—	—	—
Norway . . . . .	60.08	59.45	60.08	59.28	60.03	—	—	—
Scotland . . . . .	59.17	63.52	—	—	—	—	—	—
Faroe Islands . . . . .	61.40	60.53	60.43	60.62	59.35	60.62	62.08	62.11
Iceland . . . . .	59.99	60.13	61.78	—	—	—	—	—
West Greenland . . . . .	61.27	59.03	58.05	60.24	58.33	—	—	—
Newfoundland . . . . .	58.61	59.33	59.89	60.18	61.83	—	—	—
Pacific North:—								
California . . . . .	63.00	—	63.90	61.68	60.59	—	—	—
British Columbia . . . . .	58.06	57.89	59.66	58.03	—	—	—	—
Kamtchatka . . . . .	61.30	59.78	61.08	—	—	—	—	—
Kuril Islands . . . . .	61.11	62.43	60.06	—	—	—	—	—
Japan . . . . .	56.52	57.81	56.83	57.18	58.33	—	—	—
Bonin Island . . . . .	—	—	—	56.67	—	—	—	—
Peru . . . . .	58.00	—	—	55.50	58.00	—	—	—
Chile . . . . .	57.27	56.19	56.38	57.34	71.09	—	—	—

<sup>1)</sup> Incl. St. Thomé.

Table i (cont.).

Species of whales and whaling grounds.	1951	1950	1949	1948	1947	1939	1938	1937
	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
<b>Humpbacks.</b>								
Antarctic:—								
South Georgia . . . . .	40.13	40.04	40.17	41.42	38.57	—	41.53	39.82
Pelagic whaling . . . . .	40.79	40.63	41.85	46.00	48.00	39.64	41.07	40.59
Africa:—								
Natal . . . . .	37.62	38.07	37.89	38.79	38.80	—	36.41	36.53
Cape Province . . . . .	36.78	43.29	44.00	44.86	44.40	—	—	—
Madagascar . . . . .	—	40.45	40.39	—	—	—	—	—
French Congo <sup>1)</sup> . . . . .	41.26	41.01	43.22	—	—	—	—	—
Brazil:—								
Paraiba . . . . .	44.43	—	—	41.33	—	—	—	—
North Atlantic and Arctic:								
Norway . . . . .	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 . . . . .	38.66	39.81	42.00	43.13	37.25	—	—	—
Pacific North:—								
California . . . . .	43.00	—	42.55	43.00	41.85	—	—	—
British Columbia . . . . .	39.00	39.55	39.75	39.48	—	—	—	—
Kamtschatka . . . . .	35.00	38.00	—	—	—	—	—	—
Kurul Islands . . . . .	45.88	—	43.29	—	—	—	—	—
Japan . . . . .	40.00	41.40	—	41.00	40.25	—	—	—
Bonin Island . . . . .	—	44.33	40.50	43.67	44.00	—	—	—
Peru . . . . .	40.00	—	—	—	—	—	—	—
Chile . . . . .	47.00	44.80	46.00	41.50	44.50	—	—	—
West Australia . . . . .	40.31	40.47	40.68	37.00	37.50	—	—	—
New Zealand . . . . .	40.52	40.86	40.88	—	—	—	—	—
<b>Sei-whales.</b>								
Antarctic:—								
South Georgia . . . . .	50.31	50.01	49.93	49.86	49.44	50.89	49.94	—
Pelagic whaling . . . . .	49.82	51.13	50.69	52.75	46.50	51.67	51.00	—
Africa:—								
Natal . . . . .	44.02	44.40	42.59	43.05	43.18	—	—	—
Cape Province . . . . .	46.94	46.33	45.93	44.76	46.46	—	—	—
Madagascar . . . . .	—	42.33	—	—	—	—	—	—
French Congo <sup>1)</sup> . . . . .	44.97	—	—	—	—	—	—	—
Spanish Morocco . . . . .	45.85	50.50	—	—	—	—	—	—
Brazil:—								
Paraiba . . . . .	49.91	—	—	47.90	—	—	—	—
North Atlantic and Arctic:								
Spain . . . . .	—	50.63	—	—	—	—	—	—
Norway . . . . .	43.45	45.00	44.67	44.60	44.58	—	—	—
Scotland . . . . .	47.67	—	—	—	—	—	—	—
Faroe Islands . . . . .	45.13	45.00	43.86	44.00	42.00	—	—	—
Iceland . . . . .	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 . . . . .	45.40	44.83	41.33	46.50	—	—	—	—
Kamtschatka . . . . .	49.94	49.57	45.33	—	—	—	—	—
Kurul Islands . . . . .	48.00	49.51	45.68	—	—	—	—	—
Japan . . . . .	43.23	43.52	42.31	42.94	43.68	—	—	—
Bonin Island . . . . .	42.00	42.19	41.97	42.31	41.97	—	—	—
Chile . . . . .	37.00	—	—	47.00	46.50	—	—	—

<sup>1)</sup> Incl. St. Thomé.

Table i (cont.).

Species of whales and whaling grounds.	1951	1950	1949	1948	1947	1939	1938	1937
	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
<b>Sperm-whales.</b>								
Antarctic:—								
South Georgia .....	46.88	48.60	46.01	46.74	45.05	50.33	50.53	50.82
Pelagic whaling .....	50.18	50.13	51.08	51.08	50.77	52.86	53.27	52.81
Africa:—								
Natal .....	39.04	41.43	39.38	38.07	39.20	—	42.12	38.47
Cape Province .....	39.39	41.16	41.47	42.97	44.04	—	—	—
Madagascar .....	—	39.51	35.00	—	—	—	—	—
French Congo <sup>1)</sup> .....	36.24	—	—	—	—	—	—	—
Spanish Morocco .....	38.58	43.92	—	37.74	—	—	—	—
North Atlantic and Arctic:								
Spain .....	—	50.67	—	—	—	—	—	—
Portugal .....	37.64	34.40	—	—	—	—	—	—
Norway .....	49.49	48.42	49.15	50.57	52.50	} 51.70	53.15	52.67
Scotland .....	47.00	—	—	—	—			
Faroe Islands .....	48.56	48.65	45.49	49.37	48.40			
Iceland .....	50.77	48.73	48.54	—	—			
West Greenland .....	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 .....	41.16	44.18	42.35	45.29	—	—	—	—
Kamtschatka .....	43.36	43.07	43.89	—	—	—	—	—
Kuril Islands .....	39.37	39.95	41.07	—	—	—	—	—
Japan .....	37.93	38.62	39.98	37.21	37.16	—	—	—
Bonin Island .....	46.03	42.94	42.64	38.31	36.82	—	—	—
Peru .....	41.80	—	—	42.61	43.39	—	—	—
Chile .....	42.33	43.10	38.62	37.69	40.26	—	—	—

<sup>1)</sup> Incl. St. Thomé.

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

Grounds.	Years.	Species of whales caught.							Oil production.	Expeditions.			
		Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Barrels.	Shore stations.	Floating factories.	Catchers.
<i>North Atlantic and Arctic. Total</i>	1937	57	1,330	25	173	289	<sup>2)</sup> 36	1,910	69,144	9	2	36	
	1938	15	565	2	105	36	<sup>1)</sup> 27	750	22,097	7	-	22	
	1939	26	665	9	59	40	<sup>3)</sup> 3	802	26,066	7	-	21	
	1942	5	120	2	52	2	-	181	<sup>4)</sup> 1,855	1	-	1	
	1943	1	251	8	45	10	-	315	<sup>4)</sup> 5,564	2	-	2	
	1944	5	343	10	32	21	-	411	<sup>4)</sup> 8,963	2	-	4	
	1945	14	504	9	32	26	-	585	14,121	3	-	9	
	1946	36	1,035	10	12	52	-	1,145	39,472	7	-	19	
	1947	32	945	11	20	55	-	1,063	35,757	7	-	21	
	1948	88	1,368	16	60	112	<sup>1)</sup> 49	1,693	61,016	10	-	30	
	1949	79	1,259	17	62	157	<sup>5)</sup> 1	1,575	58,840	9	-	30	
1950	54	1,422	29	21	170	<sup>5)</sup> 2	1,698	63,612	10	-	32		
1951	52	1,300	40	181	178	-	1,751	63,975	11	-	34		
<i>Norway.</i>	1937	9	223	-	55	20	<sup>1)</sup> 35	342	9,467	4	-	12	
	1938	4	261	-	94	9	<sup>1)</sup> 27	395	11,076	4	-	12	
	1939	4	282	1	46	14	<sup>3)</sup> 3	350	11,155	3	-	9	
	1942	1	58	1	48	2	-	110	<sup>4)</sup> -	-	-	-	
	1943	-	110	2	45	6	-	163	<sup>4)</sup> -	-	-	-	
	1944	-	112	-	31	4	-	147	<sup>4)</sup> -	-	-	-	
	1945	3	158	-	27	4	-	192	<sup>4)</sup> 1,391	<sup>6)</sup> 1	-	3	
	1946	17	392	-	11	21	-	441	15,930	3	-	9	
	1947	11	285	-	12	16	-	324	10,871	3	-	9	
	1948	2	260	-	35	47	-	344	11,261	4	-	11	
	1949	4	342	1	6	20	<sup>5)</sup> 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		
<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	<sup>7)</sup> 5,197	2	-	6	
	-	-	-	-	-	-	-	-	-	-	-	-	
	1946	5	94	1	1	14	-	115	3,981	2	-	3	
	1947	3	196	-	2	15	-	216	6,286	2	-	4	
	1948	3	223	-	15	30	-	271	10,277	2	-	5	
	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	
<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		
<i>Arctic, pelagic.</i>	1937	28	461	7	100	218	-	814	32,375	-	2	11	

<sup>1)</sup> Different kinds of small whales. <sup>2)</sup> Different kinds of small whales and 1 right-whale. <sup>3)</sup> 2 Minke-whales and 1 bottlenose. <sup>4)</sup> During the war—owing to shortage of food—a number of licenses were issued for whaling on the Norwegian coast. Fishing boats were used as catchers and the whale meat sold for human food. <sup>5)</sup> 1 bottlenose. <sup>6)</sup> Catch result for the shore station and 3 catchers: 3 blue-whales, 27 fin-whales, and 1,391 barrels of whale oil. <sup>7)</sup> As no information has been available re. oil production of one shore station, it has been calculated on basis of the output of the other shore station.

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	-	-	-	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	<sup>1)</sup> 2	46	544	-	-	1	
	1951	-	15	5	-	6	-	26	<sup>2)</sup> 350	-	-	1	
<i>Newfoundland.</i>	1937	8	439	9	7	19	<sup>3)</sup> 1	483	19,075	2	-	5	
	1938	-	-	-	-	-	-	-	-	-	-	-	
	1939	7	118	4	2	13	-	144	5,950	1	-	2	
	1942	4	62	1	4	-	-	71	<sup>2)</sup> 1,855	1	-	1	
	1943	1	141	6	-	4	-	152	5,564	2	-	2	
	1944	5	231	10	1	17	-	264	8,963	2	-	4	
	1945	11	346	9	5	22	-	393	12,730	2	-	6	
	1946	11	502	5	-	11	-	529	19,561	2	-	6	
	1947	14	413	6	4	18	-	455	18,600	2	-	7	
	1948	57	669	15	4	14	<sup>4)</sup> 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	

<sup>1)</sup> Bottlenoses. <sup>2)</sup> Calculated. <sup>3)</sup> Right-whale. <sup>4)</sup> Different kinds of small whales.

Table k.—Portugal, Azores, and Madeira.

Years	Species of whales caught.							Oil production.	Expeditions. <sup>1)</sup>		
	Blue.	Fin.	Hump-back	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1937	-	-	-	-	80	<sup>2)</sup> 208	<sup>3)</sup> 288	Barrels.	-	-	-
1938	-	-	-	-	388	-	<sup>4)</sup> 388	7,284	-	-	-
1939	-	-	-	-	389	-	389	6,920	-	-	-
1940	-	-	-	-	552	-	552	10,047	-	-	-
1941	-	-	-	-	425	<sup>2)</sup> 76	501	9,057	-	-	-
1942	-	-	-	-	583	<sup>2)</sup> 23	606	13,070	-	-	-
1943	-	-	-	-	637	<sup>2)</sup> 133	770	13,880	-	-	-
1944	-	38	-	-	363	<sup>2)</sup> 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	<sup>5)</sup> 1	928	22,542	1	-	3

<sup>1)</sup> Whaling from Azores and Madeira is carried on with row-boats on old lines. <sup>2)</sup> No specification. <sup>3)</sup> The whales have been caught during the period  $\frac{1}{2}$ - $\frac{30}{11}$  1937. <sup>4)</sup> Probably a small number of whales has also been caught from the island of São Miguel and perhaps also from some others of the islands of Azores, but no information is available. <sup>5)</sup> Minke-whale.

Table l.—Spain.

							Barrels.				
1950	-	19	-	8	3	-	30	688	1	-	2
1951	-	27	-	34	35	-	96	1,763	1	-	1

Table m.—Africa.

Grounds.	Years.	Species of whales caught.							Oil production.	Expeditions.			
		Blue.	Fin.	Hump-back.	Sel.	Sperm.	Others.	Total of whales.		Barrels.	Shore stations.	Floating factories.	Catchers.
<i>Africa. Total.</i>	1937	128	1,175	1,789	121	710	<sup>2)</sup> 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	<sup>3)</sup> 1,240	2,687	106,793	2	1	21	
	1942	2	204	156	13	123	—	498	19,740	1	—	5	
	1943	10	301	80	34	299	—	724	27,373	1	—	5	
	1944	5	227	115	24	448	—	819	29,380	1	—	5	
	1945	3	162	116	34	414	—	729	23,189	1	—	5	
	1946	12	145	93	75	659	—	984	30,552	1	—	8	
	1947	19	529	95	158	550	<sup>1)</sup> 55	1,406	47,677	3	—	18	
	1948	21	632	196	196	1,015	<sup>1)</sup> 248	2,308	64,308	4	—	24	
	1949	23	707	2,894	238	965	<sup>1)</sup> 139	4,966	185,003	5	2	41	
1950	14	604	2,273	438	693	<sup>1)</sup> 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		
<i>Natal.</i>	1937	67	755	240	44	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	
	1942	2	204	156	13	123	—	498	19,740	1	—	5	
	1943	10	301	80	34	299	—	724	27,373	1	—	5	
	1944	5	227	115	24	448	—	819	29,380	1	—	5	
	1945	3	162	116	34	414	—	729	23,189	1	—	5	
	1946	12	145	93	75	659	—	984	30,552	1	—	8	
	1947	18	485	90	119	502	—	1,214	44,274	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	<sup>4)</sup> 2	2,071	74,446	2	—	20		
<i>Cape Province.</i>	1937	57	398	28	49	207	<sup>2)</sup> 43	782	34,515	1	—	13	
	—	—	—	—	—	—	—	—	—	—	—	—	
	1947	1	44	5	39	48	<sup>1)</sup> 55	192	3,403	1	—	5	
	1948	4	134	14	83	105	<sup>1)</sup> 238	578	11,700	1	—	6	
	1949	5	188	15	119	209	<sup>1)</sup> 139	675	13,708	1	—	6	
	1950	4	242	7	324	161	<sup>1)</sup> 100	838	15,000	1	—	7	
1951	4	218	9	237	211	<sup>1)</sup> 23	702	14,589	1	—	7		
<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	<sup>3)</sup> 1240	1,301	55,264	—	1	5	
	—	—	—	—	—	—	—	—	—	—	—	—	
	1949	1	—	1,333	—	1	—	1,335	60,583	—	1	8	
1950	1	10	711	3	<sup>5)</sup> 64	—	789	34,424	—	1	9		
<i>Congo.<sup>6)</sup></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	1,105	470	146	<sup>4)</sup> 1	1,726	62,935	2	1	14	
<i>Spanish Morocco.</i>	1948	1	72	—	4	64	<sup>1)</sup> 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	

<sup>1)</sup> Bryde-whales. <sup>2)</sup> 7 right-whales and 36 Bryde-whales. <sup>3)</sup> No specification. <sup>4)</sup> Right-whales.  
<sup>5)</sup> 52 sperm-whales caught in the Indian Ocean. <sup>6)</sup> Incl. St. Thomé.



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

Grounds.	Years.	Species of whales caught.							Oil production.	Expeditions.			
		Bluc.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Barrels.	Shore stations.	Floating factories.	Catchers.
<i>Pacific North. Total.</i>	1937	54	228	114	13	321	—	730	33,389	4	1	14	
	1938	37	115	16	—	315	—	483	22,891	3	—	11	
	1939	5	93	85	—	49	—	232	9,424	2	—	5	
	1940	36	388	129	3	307	<sup>1)</sup> 59	922	39,801	2	1	8	
	1941	41	441	49	7	390	<sup>2)</sup> 3	931	38,135	3	1	15	
	1942	1	35	19	1	133	—	189	7,098	2	—	4	
	1943	—	34	12	2	72	—	120	3,990	2	—	5	
	1944	—	1	1	2	1	—	5	148	1	—	2	
	1946	—	—	12	29	72	—	113	<sup>3)</sup> 118	—	1	2	
	1947	4	17	14	161	206	—	402	2,137	1	3	6	
	1948	1	59	134	107	191	—	492	8,815	2	2	11	
	1949	2	115	91	119	182	—	509	10,202	2	1	9	
	1950	4	150	95	267	103	<sup>4)</sup> 1	620	12,345	1	1	8	
1951	9	225	55	285	239	4	817	19,073	2	1	11		
<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	
	1943	—	19	5	2	3	—	29	760	1	—	3	
	1944	—	1	1	2	1	—	5	148	1	—	2	
	1947	—	17	13	3	5	—	38	1,365	1	—	2	
	1948	—	19	16	—	32	—	67	2,350	1	—	2	
	1949	—	10	11	—	28	—	49	1,493	1	—	2	
	1950	—	—	—	—	—	—	—	—	—	—	—	
	1951	—	9	4	—	26	<sup>4)</sup> 1	40	1,358	1	—	2	
<i>British Columbia.</i>	1937	1	44	7	—	265	—	317	14,719	2	—	6	
	1938	4	50	4	—	252	—	310	13,157	2	—	6	
	1940	2	90	2	—	126	—	220	8,700	1	—	3	
	1941	1	67	27	—	233	—	328	13,630	2	—	6	
	1942	1	25	7	—	130	—	163	6,150	1	—	3	
	1943	—	15	7	—	69	—	91	3,230	1	—	2	
	1948	—	37	115	2	28	—	182	5,679	1	—	4	
	1949	2	105	76	3	69	—	255	7,841	1	—	3	
	1950	4	150	95	24	40	<sup>4)</sup> 1	314	9,598	1	—	4	
	1951	9	216	51	5	153	<sup>5)</sup> 3	437	14,433	1	—	6	
<i>Alaska.</i>	1937	45	170	104	1	56	—	376	17,668	2	—	6	
	1938	33	65	12	—	63	—	173	9,734	1	—	5	
	1939	5	91	26	—	49	—	171	7,587	1	—	3	
<i>Pelagic whaling.</i>	1940	34	292	108	3	177	<sup>1)</sup> 59	673	29,494	—	1	4	
	1941	40	367	6	7	156	<sup>2)</sup> 3	579	23,822	—	1	7	
<i>Bonin Island, pelagic.</i>	1946	—	—	12	29	72	—	113	<sup>3)</sup> 118	—	1	2	
	1947	4	—	1	158	201	—	364	<sup>3)</sup> 772	—	3	4	
	1948	1	3	3	105	131	—	243	<sup>3)</sup> 786	—	2	5	
	1949	—	—	4	116	85	—	205	<sup>3)</sup> 868	—	1	4	
	1950	—	—	—	243	63	—	306	2,747	—	1	4	
	1951	—	—	—	280	60	—	340	3,282	—	1	3	

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

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.
								Barrels.			
1937	12	300	68	435	640	<sup>2)</sup> 611	2,066	32,425	8	—	24
1938	4	293	60	553	785	<sup>3)</sup> 275	1,970	33,353	21	—	25
1939	10	241	86	677	1,266	—	2,280	12,784	<sup>4)</sup> —	—	23
1940	15	252	33	429	1,306	—	2,035	25,143	<sup>4)</sup> —	—	45
1941	26	360	40	623	1,298	<sup>5)</sup> 2	2,349	28,084	<sup>4)</sup> —	—	49
1942	12	418	30	255	427	<sup>6)</sup> 6	1,148	10,832	<sup>4)</sup> —	—	18
1943	15	315	69	352	727	<sup>5)</sup> 13	1,491	16,723	<sup>4)</sup> —	—	21
1944	2	376	64	734	990	<sup>5)</sup> 3	2,169	25,182	<sup>4)</sup> —	—	33
1945	10	169	11	74	266	<sup>5)</sup> 1	531	6,082	<sup>4)</sup> —	—	30
1946	8	232	8	545	957	—	1,750	<sup>7)</sup> 5,719	17	—	41
1947	30	257	8	383	964	—	1,642	<sup>7)</sup> 6,177	15	—	38
1948	49	176	8	533	823	<sup>5)</sup> 1	1,590	<sup>7)</sup> 15,018	15	—	39
1949	14	209	—	759	501	—	1,483	<sup>7)</sup> 14,179	11	—	35
1950	7	141	5	299	1,249	—	1,701	26,112	10	—	33
1951	47	209	4	419	1,283	—	1,962	29,611	9	—	36

<sup>1)</sup> No specification. <sup>2)</sup> Different kinds of small whales and 5 right-whales. <sup>3)</sup> Different kinds of small whales and 2 right-whales. <sup>4)</sup> No information of the number of shore stations in operation. <sup>5)</sup> Right-whales. <sup>6)</sup> 1 grey-whale and 5 right-whales. <sup>7)</sup> 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.
								Barrels.			
1937	—	142	65	1	198	<sup>1)</sup> 12	418	<sup>2)</sup> 16,480	—	1	3
1938	—	104	43	—	64	<sup>3)</sup> 54	265	9,102	—	1	3
1939	—	238	43	—	154	<sup>4)</sup> 41	476	18,854	—	1	3
1940	—	—	—	—	—	—	—	—	—	—	—
1941	9	254	7	11	194	<sup>5)</sup> 68	543	18,235	—	1	3
1942	2	203	12	—	215	<sup>6)</sup> 122	554	14,500	—	1	3
1943	—	132	29	—	216	<sup>7)</sup> 101	478	15,941	—	1	3
—	—	—	—	—	—	—	—	—	—	—	—
1946	2	117	9	—	316	<sup>8)</sup> 22	466	16,141	—	1	3
—	—	—	—	—	—	—	—	—	—	—	—
1948	3	255	13	39	964	<sup>9)</sup> 6	1,280	39,602	5	1	14
1949	3	117	7	81	1,760	<sup>10)</sup> 47	2,015	59,218	5	1	14
1950	7	198	22	56	2,058	<sup>11)</sup> 16	2,357	62,049	5	1	16
1951	16	246	9	68	2,227	<sup>12)</sup> 17	2,583	72,712	5	1	18

<sup>1)</sup> 11 grey-whales and 1 right-whale. <sup>2)</sup> The quantity of oil has been calculated as no information was to hand re. oil production. <sup>3)</sup> Grey-whales. <sup>4)</sup> 29 grey-whales and 12 without specification. <sup>5)</sup> 2 Minke-whales, 57 grey-whales, 5 bottlenoses, and 4 dolphins. <sup>6)</sup> 3 Minke-whales, 101 grey-whales, 7 bottlenoses, and 11 dolphins. <sup>7)</sup> 99 grey-whales, 1 bottlenose, and 1 dolphin. <sup>8)</sup> No specification. <sup>9)</sup> 1 Minke-whale, 2 bottlenoses, and 3 whale-killers. <sup>10)</sup> 8 Minke-whales, 11 bottlenoses, and 28 whale-killers. <sup>11)</sup> 12 bottlenoses and 4 Minke-whales. <sup>12)</sup> 9 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	—	<sup>1)</sup> 4	36	1,060	2	—	1
1949	—	—	15	18	—	<sup>2)</sup> 5	38	1,250	2	—	2
1950	—	—	24	98	—	<sup>1)</sup> 6	128	2,132	2	—	2
1951	—	—	28	151	—	—	179	2,925	1	—	2

<sup>1)</sup> No specification. <sup>2)</sup> 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	—	<sup>1)</sup> 3
1938	15	56	6	44	203	<sup>2)</sup> 14	338	9,345	<sup>3)</sup> 1	<sup>3)</sup> 1	<sup>3)</sup> 1
1939	2	99	7	15	341	<sup>2)</sup> 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	<sup>2)</sup> 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

<sup>1)</sup> No information as to catchers re. two companies. <sup>2)</sup> Right-whales. <sup>3)</sup> 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

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	

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



Table No. 1.—Whaling in 1950/51 and summer 1951.

Geographical areas.	Species of whales caught.							Oil production. Barrels <sup>1)</sup>	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
South Georgia.....	82	1,982	8	519	226	-	2,817	151,192	3	-	21
Antarctic, pelagic whaling.....	6,966	17,474	1,630	367	4,742	<sup>2)</sup> 1	31,180	2,152,498	-	19	241
Africa:—											
Natal.....	20	789	103	247	910	<sup>3)</sup> 2	2,071	74,446	2	-	20
Cape Province...	4	218	9	237	211	<sup>4)</sup> 23	702	14,589	1	-	7
French Congo <sup>5)</sup> ..	-	4	1,105	470	146	<sup>3)</sup> 1	1,726	62,935	2	1	14
Spanish Morocco.	-	36	-	52	52	-	140	2,766	1	-	4
Brazil:—											
Paraiba.....	-	-	28	151	-	-	179	2,925	1	-	2
Atlantic and Arctic:											
Azores.....	-	-	-	-	724	-	724	18,434	-	-	-
Madeira.....	-	-	-	-	182	-	182	3,603	-	-	-
Spain.....	-	27	-	34	35	-	96	1,763	1	-	2
Portugal.....	1	9	-	-	11	<sup>6)</sup> 1	22	505	1	-	3
Norway.....	4	321	5	11	76	-	417	14,779	4	-	12
Scotland.....	4	13	-	3	1	-	21	791	1	-	1
Faroe Islands...	9	156	-	126	70	-	361	8,953	2	-	6
Iceland.....	11	312	1	2	13	-	339	14,012	1	-	4
West Greenland..	-	15	5	-	6	-	26	<sup>7)</sup> 350	-	-	1
Newfoundland...	24	483	29	39	12	-	<sup>8)</sup> 587	25,090	3	-	10
Pacific North:—											
California.....	-	9	4	-	26	<sup>2)</sup> 1	40	1,358	1	-	2
British Columbia	9	216	51	5	153	<sup>9)</sup> 3	437	14,433	1	-	6
Kamtschatka, pelagic whaling	7	90	1	16	765	<sup>10)</sup> 5	884	72,712	-	1	5
Kuril Islands....	9	156	8	52	1,462	<sup>11)</sup> 12	1,699				
Japan.....	47	209	4	419	1,283	-	1,962	29,611	9	-	36
Bonin Island, pelagic whaling	-	-	-	280	60	-	340	3,282	-	1	3
Peru.....	4	21	23	1	6,365	-	6,414	197,524	1	4	51
Chile.....	77	279	3	2	733	-	1,094	30,993	2	-	10
Australia.....	-	-	1,224	-	-	-	1,224	56,090	2	-	6
New Zealand.....	-	-	111	-	-	-	111	4,482	1	-	3
Total	7,278	22,819	4,352	3,033	18,264	49	55,795	2,960,116	45	26	483

<sup>1)</sup> Barrel = 170 kg. (Barrel = abt.  $\frac{1}{2}$  long ton, 1 long ton = 1,016 kg.) <sup>2)</sup> Bottlenose. <sup>3)</sup> Right-whales. <sup>4)</sup> Bryde-whales. <sup>5)</sup> Incl. St. Thomé. <sup>6)</sup> Minke-whale. <sup>7)</sup> Calculated. <sup>8)</sup> In addition 55 Minke-whales and 3,102 potheads were taken. <sup>9)</sup> 1 right-whale, 1 Calif. grey-whale, and 1 bottlenose. <sup>10)</sup> 2 Minke-whales and 3 bottlenoses. <sup>11)</sup> 7 Minke-whales and 5 bottlenoses.

Table No. 2.—Norwegian whaling in 1950/51 and summer 1951.

Geographical areas.	Species of whales caught.							Oil production. Barrels	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
South Georgia.....	38	685	4	175	69	-	971	54,024	1	-	7
Antarctic, pelagic..	3,103	9,038	1,220	29	2,483	-	15,873	1,062,260	-	10	124
Norway.....	4	321	5	11	76	-	417	14,779	4	-	12
Peru.....	-	-	-	-	763	-	763	19,665	-	1	14
Total	3,145	10,044	1,229	215	3,391	-	18,024	1,150,728	5	11	15 7

Table No. 3.—Whaling of United Kingdom in 1950/51 and summer 1951.

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 . . . . .	25	782	2	179	62	—	1,050	56,575	1	—	7
Antarctic, pelagic . .	1,750	2,316	21	58	1,031	1)	5,177	417,755	—	3	45
Newfoundland . . . . .	14	296	20	37	11	—	378	15,078	1	—	6
Scotland . . . . .	4	13	—	3	1	—	21	791	1	—	1
Total	1,793	3,407	43	277	1,105	1	6,626	490,199	3	3	59

1) Bottlenose.

Table No. 4.—Whaling results for the various countries in 1950/51 and summer 1951.

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 . . . . .	3,145	10,044	1,229	215	3,391	—	18,024	1,150,728	5	11	157	
British Commonwealth . . . . .	2,422	6,315	1,551	768	2,836	29	13,921	826,162	12	4	120	
United Kingdom . . . . .	1,793	3,407	43	277	1,105	1)	6,626	490,199	3	3	59	
Union of South Africa . . . . .	610	2,505	113	484	1,577	2)	5,314	250,946	3	1	42	
Australia . . . . .	—	—	1,224	—	—	—	1,224	56,090	2	—	6	
Canada . . . . .	9	216	51	5	153	3)	437	14,433	1	—	6	
Newfoundland . . . . .	10	187	9	2	1	—	209	10,012	2	—	4	
New Zealand . . . . .	—	—	111	—	—	—	111	4,482	1	—	3	
Japan . . . . .	318	2,261	13	699	1,752	—	5,043	203,489	9	3	57	
Panama . . . . .	569	770	114	—	2,568	—	4,021	198,532	—	3	40	
U.S.S.R. . . . .	397	1,195	9	347	2,309	4)	17	4,274	182,606	5	2	33
France . . . . .	—	3	783	135	3,157	5)	1	4,079	145,721	1	2	15
Netherlands . . . . .	306	851	265	1	237	—	1,660	103,560	—	1	12	
Portugal . . . . .	1	11	323	336	969	6)	1	1,641	43,590	2	—	10
Argentina . . . . .	19	515	2	165	95	—	796	40,593	1	—	7	
Chile . . . . .	77	279	3	2	733	—	1,094	30,993	2	—	10	
Iceland . . . . .	11	312	1	2	13	—	339	14,012	1	—	4	
Denmark . . . . .	9	171	5	126	76	—	387	9,303	2	—	7	
Spain . . . . .	—	63	—	86	87	—	236	4,529	2	—	6	
Brazil . . . . .	—	—	28	151	—	—	179	2,925	1	—	2	
Peru . . . . .	4	20	22	—	15	—	61	2,015	1	—	1	
U.S.A. . . . .	—	9	4	—	26	1)	1	40	1,358	1	—	2
Total	7,278	22,819	4,352	3,033	18,264	49	55,795	2,960,116	45	26	483	

1) Bottlenose. 2) 2 right-whales and 23 Bryde-whales. 3) 1 right-whale, 1 Calif. grey-whale, 1 bottlenose. 4) 9 Minke-whales and 8 bottlenoses. 5) Right-whale. 6) Minke-whale.

**Table No. 5.—Average size of whales caught in the summer season 1951.**

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
<b>A. Blue-whales.</b>				
<i>Africa:—</i>				
Natal.....	—	66.86	71.23	69.70
Males 7 } Total 20.				
Females 13 }				
Cape Province.....	—	75.00	76.33	76.00
Male 1 } Total 4.				
Females 3 }				
Africa, total.....	—	67.88	72.19	70.75
Males 8 } Total 24.				
Females 16 }				
<i>Atlantic and Arctic:—</i>				
Portugal.....	—	—	59.00	59.00
Female 1.				
Norway.....	No. 1	—	66.67	66.67
Male 1 } Total 4.	„ 2	77.00	—	77.00
Females 3 }				
Average		77.00	66.67	69.25
Scotland.....	—	—	75.25	75.25
Females 4.				
Faroe Islands.....	No. 1	65.33	72.50	68.20
Males 5 } Total 9.	„ 2	64.50	71.50	68.00
Females 4 }				
Average		65.00	72.00	68.11
Iceland.....	—	66.88	74.33	68.91
Males 8 } Total 11.				
Females 3 }				
Newfoundland.....	No. 1	70.50	75.75	73.50
Males 11 } Total 24.	„ 2	69.60	74.40	72.00
Females 13 }				
Average		70.09	75.23	72.88
Atlantic and Arctic, total....	—	68.32	73.18	70.89
Males 25 } Total 53.				
Females 28 }				
<i>Pacific North:—</i>				
British Columbia.....	—	66.00	74.67	71.78
Males 3 } Total 9.				
Females 6 }				
Kamtchatka, pelagic.....	—	74.00	75.00	74.14
Males 6 } Total 7.				
Female 1 }				



Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
Kuril Islands.....	—	Engl. feet. 68.00	Engl. feet. 70.20	Engl. feet. 69.22
Males 4 } Total 9.				
Females 5 }				
Japan.....	No. 1	67.75	71.75	70.42
Males 22 } Total 46.	" 2	68.56	74.46	71.03
Females 24 }	" 3	—	70.00	70.00
	" 4	—	72.00	72.00
Average		68.41	73.08	70.85
Pacific North, total.....	—	69.11	73.00	71.08
Males 35 } Total 71.				
Females 36 }				
Chile.....	No. 1	73.74	76.25	74.96
Males 41 } Total 77.	" 2	51.00	—	51.00
Females 36 }				
Average		72.07	76.25	74.03
<b><u>B. Fin-whales.</u></b>				
<i>Africa:—</i>				
Natal.....	—	60.69	60.26	60.50
Males 441 } Total 789.				
Females 348 }				
Cape Province.....	—	59.32	60.43	59.84
Males 116 } Total 218.				
Females 102 }				
French Congo.....	No. 1	64.00	—	64.00
Males 3 } Total 4.	" 2	52.00	61.00	56.50
Female 1 }				
Average		60.00	61.00	60.25
Spanish Morocco.....	—	61.33	63.16	62.25
Males 18 } Total 36.				
Females 18 }				
Africa, total.....	—	60.43	60.41	60.42
Males 578 } Total 1,047.				
Females 469 }				
<i>Atlantic and Arctic:—</i>				
Portugal.....	--	56.20	52.00	54.33
Males 5 } Total 9.				
Females 4 }				
Norway.....	No. 1	57.84	61.00	59.15
Males 170 } Total 321.	" 2	57.56	62.18	59.44
Females 151 }	" 3	58.64	61.00	59.78
	" 4	61.45	63.27	62.51
Average		58.64	61.70	60.08

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
Scotland . . . . .	—	Engl. feet. 61.67	Engl. feet. 58.33	Engl. feet. 59.17
Males 3 } Total 12. Females 9 }				
Faroe Islands . . . . .	No. 1	61.06	64.19	62.63
Males 77 } Total 156. Females 79 }	„ 2	59.66	61.00	60.35
Average		60.31	62.46	61.40
Iceland . . . . .	—	59.18	60.51	59.99
Males 123 } Total 312. Females 189 }				
West Greenland . . . . .	—	59.38	63.43	61.27
Males 8 } Total 15. Females 7 }				
Newfoundland . . . . .	No. 1	58.22	59.56	58.95
Males 218 } Total 483. Females 265 }	„ 2	56.95	58.96	58.06
Average		57.73	59.32	58.61
Atlantic and Arctic, total . . . .	—	58.64	60.49	59.64
Males 604 } Total 1,308. Females 704 }				
<i>Pacific North:—</i>				
California . . . . .	--	63.40	62.50	63.00
Males 5 } Total 9. Females 4 }				
British Columbia . . . . .	—	57.10	58.87	58.06
Males 99 } Total 216. Females 117 }				
Kamtschatka, pelagic . . . . .	—	61.00	61.69	61.30
Males 51 } Total 90. Females 39 }				
Kuril Islands . . . . .	—	60.52	62.10	61.11
Males 97 } Total 155. Females 58 }				
Japan . . . . .	No. 1	56.31	57.46	56.72
Males 110 } Total 209. Females 99 }	„ 2	55.41	58.95	57.25
	„ 3	53.15	56.87	55.53
	„ 4	54.67	53.29	53.92
	„ 5	54.33	60.00	55.75
Average		55.49	57.66	56.52
Pacific North, total . . . . .	—	58.16	59.48	58.78
Males 362 } Total 679. Females 317 }				
Peru . . . . .	--	58.00	--	58.00
Male 1.				

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
<i>Chile</i> .....	—	Engl. feet. 57.78	Engl. feet. 56.81	Engl. feet. 57.27
Males 133 } Total 279. Females 146 }				
<b><u>C. Humpbacks.</u></b>				
<i>Africa:—</i>				
<i>Natal</i> .....	—	37.61	37.63	37.62
Males 54 } Total 103. Females 49 }				
<i>Cape Province</i> .....	—	38.20	41.75	39.78
Males 5 } Total 9. Females 4 }				
<i>French Congo</i> .....	No. 1	39.88	41.74	40.83
Males 536 } Total 1,104. Females 568 }	" 2	40.92	43.60	42.33
Average		40.18	42.29	41.26
<i>Africa, total</i> .....	—	39.93	41.92	40.94
Males 595 } Total 1,216. Females 621 }				
<i>Brazil</i> .....	--	43.17	46.70	44.43
Males 18 } Total 28. Females 10 }				
<i>Atlantic and Arctic:—</i>				
<i>Norway</i> .....	—	38.67	47.00	42.00
Males 3 } Total 5. Females 2 }				
<i>Iceland</i> .....	—	44.00	—	44.00
Male 1.				
<i>West Greenland</i> .....	—	43.67	50.50	46.40
Males 3 } Total 5 Females 2 }				
<i>Newfoundland</i> .....	No. 1	34.17	40.93	38.90
Males 13 } Total 29. Females 16 }	" 2	37.20	40.50	38.14
	" 3	38.00	—	38.00
Average		35.92	40.88	38.66
<i>Atlantic and Arctic, total</i> ....	—	37.90	42.45	40.18
Males 20 } Total 40. Females 20 }				
<i>Pacific North:—</i>				
<i>California</i> .....	—	43.00	—	43.00
Males 4.				

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
British Columbia..... Males 36 } Total 51. Females 15 }	—	Engl. feet. 39.14	Engl. feet. 38.67	Engl. feet. 39.00
Kamtchatka, pelagic..... Female 1.	—	—	35.00	35.00
Kuril Islands..... Males 3 } Total 8. Females 5 }	—	47.67	44.80	45.88
Japan..... Males 2 } Total 4. Females 2 }	No. 1 " 2	— 37.00	48.00 38.00	48.00 37.33
Average		37.00	43.00	40.00
Pacific North, total..... Males 45 } Total 68. Females 23 }	—	39.96	40.22	40.04
Peru..... Female 1.	—	—	40.00	40.00
Chile..... Male 1 } Total 3. Females 2 }	No. 1 " 2	— 51.00	45.00 —	45.00 51.00
Average		51.00	45.00	47.00
Australia..... Males 908 } Total 1,217. Females 309 }	No. 1 " 2	40.19 39.99	40.94 40.91	40.33 40.29
Average		40.11	40.92	40.31
New Zealand..... Males 72 } Total 111. Females 39 }	—	40.17	41.18	40.52
<b><u>D. Sei-whales.</u></b>				
<i>Africa:—</i>				
Natal..... Males 160 } Total 247. Females 87 }	—	43.46	45.07	44.02
Cape Province..... Males 88 } Total 237. Females 149 }	—	45.30	47.91	46.94
French Congo..... Males 243 } Total 466. Females 223 }	No. 1 " 2	45.03 44.17	45.58 45.56	45.30 44.83
Average		44.41	45.57	44.97
Spanish Morocco..... Males 22 } Total 52. Females 30 }	—	44.73	46.67	45.85

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
Africa, total.....	—	Engl. feet. 44.28	Engl. feet. 46.26	Engl. feet. 45.25
Males 513 } Total 1,002. Females 489 }				
Brazil.....	—	49.17	51.18	49.91
Males 95 } Total 151. Females 56 }				
<i>Atlantic and Arctic:—</i>				
Norway.....	—	43.78	42.00	43.45
Males 9 } Total 11. Females 2 }				
Scotland.....	—	—	47.67	47.67
Females 3.				
Faroe Islands.....	No. 1	44.96	45.97	45.55
Males 52 } Total 126. Females 74 }	„ 2	44.38	44.86	44.66
Average		44.69	45.45	45.13
Iceland.....	—	—	46.00	46.00
Females 2.				
Newfoundland.....	No. 1	43.20	44.77	44.14
Males 16 } Total 39. Females 23 }	„ 2	45.00	50.00	47.50
Average		43.31	45.00	44.31
Atlantic and Arctic, total....	—	44.30	45.36	44.91
Males 77 } Total 181. Females 104 }				
<i>Pacific North:—</i>				
British Columbia.....	—	45.40	—	45.40
Males 5.				
Kamtchatka, pelagic.....	—	52.20	48.91	49.94
Males 5 } Total 16. Females 11 }				
Kuril Islands.....	—	47.47	48.73	48.00
Males 30 } Total 52. Females 22 }				
Japan.....	No. 1	42.16	43.11	42.60
Males 215 } Total 417. Females 202 }	„ 2	42.78	44.26	43.52
	„ 3	43.11	44.14	43.67
	„ 4	43.75	45.00	44.17
	„ 5	41.82	41.33	41.71
Average		42.62	43.89	43.23
Bonin Island, pelagic.....	—	41.76	42.30	42.00
Males 155 } Total 280. Females 125 }				

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
Pacific North, total.....	—	Engl. feet. 42.80	Engl. feet. 43.78	Engl. feet. 43.26
Males 410 } Total 770.				
Females 360 }				
<i>Chile</i> .....	—	37.00	—	37.00
Males 2.				
<b><u>E. Sperm-whales.</u></b>				
<i>Africa</i> :—				
Natal .....	—	41.18	33.88	39.04
Males 643 } Total 910.				
Females 267 }				
Cape Province .....	—	40.74	36.51	39.39
Males 144 } Total 211.				
Females 67 }				
French Congo .....	No. 1	40.29	34.08	35.93
Males 44 } Total 146.	„ 2	41.31	34.81	36.81
Females 102 }				
Average		40.66	34.33	36.24
Spanish Morocco .....	—	41.19	32.69	38.58
Males 36 } Total 52.				
Females 16 }				
Africa, total .....	—	41.08	34.33	38.77
Males 867 } Total 1,319.				
Females 452 }				
<i>Atlantic and Arctic</i> :—				
Portugal .....	—	37.64	—	37.64
Males 11.				
Norway .....	No. 1	49.57	—	49.57
Males 76.	„ 2	49.67	—	49.67
	„ 3	47.67	—	47.67
	„ 4	49.56	—	49.56
Average		49.49	—	49.49
Scotland .....	—	47.00	—	47.00
Male 1.				
Faroe Islands .....	No. 1	48.54	—	48.54
Males 70.	„ 2	48.58	—	48.58
Average		48.56	—	48.56
Iceland .....	—	50.77	—	50.77
Males 13.				
West Greenland .....	—	50.33	—	50.33
Males 6.				
Newfoundland .....	No. 1	51.55	—	51.55
Males 12.	„ 2	53.00	—	53.00
Average		51.67	—	51.67

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
Atlantic and Arctic, total. Males 189.	—	Engl. feet. 48.69	Engl. feet. —	Engl. feet. 48.69
<i>Pacific North</i> :—				
California ..... Males 26.	—	43.31	—	43.31
British Columbia ..... Males 136 } Females 17 } Total 153.	—	41.90	35.24	41.16
Kamtchatka, pelagic ..... Males 702 } Females 62 } Total 764.	—	43.79	38.48	43.36
Kuril Islands ..... Males 1,053 } Females 397 } Total 1,450.	—	40.67	35.92	39.37
Japan ..... Males 923 } Females 360 } Total 1,283.	No. 1 " 2 " 3 " 4 " 5	37.48 40.43 39.85 38.43 38.82	35.85 36.38 35.87 35.95 35.63	37.25 38.92 38.36 36.90 37.33
Average		38.64	36.10	37.93
Bonin Island, pelagic ..... Males 59 } Females 1 } Total 60.	—	46.17	38.00	46.03
Pacific North, total ..... Males 2,899 } Females 837 } Total 3,736.	—	40.97	36.18	39.90
<i>Peru</i> ..... Males 5,373 } Females 944 } Total 6,317.	No. 1 " 2 " 3 " 4	44.77 42.02 41.00 38.98	35.87 34.93 35.96 36.07	44.18 40.06 40.26 38.05
Average		42.87	35.75	41.80
<i>Chile</i> ..... Males 558 } Females 175 } Total 733.	No. 1 " 2	43.02 49.69	35.47 —	40.86 49.69
Average		44.48	35.47	42.33
<b>F. Bryde-whales.</b>				
<i>Africa</i> :—				
Cape Province ..... Males 8 } Females 15 } Total 23.	—	43.50	46.27	45.30

**Table No. 6.—Whales caught in the summer season 1951,  
by species, sex, and size.**

**I. Natal.**

**Blue-whales.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
61	1	—	1	76	—	2	2
62	1	2	3	77	—	—	—
65	2	—	2	78	—	1	1
68	—	1	1	Sum	7	13	20
69	—	—	—	Average size { Males: 66.86 feet Females: 71.23 " Total animals: 69.70 "			
70	—	1	1				
71	1	3	4	Per cent { Males: 35.00 Females: 65.00			
72	2	—	2				
73	—	2	2				
74	—	—	—				
75	—	1	1				

**Fin-whales.**

40	—	1	1	67	22	6	28
47	1	2	3	68	17	7	24
48	5	2	7	69	16	8	24
49	3	2	5	70	10	18	28
50	10	6	16	71	7	5	12
51	14	9	23	72	5	1	6
52	11	17	28	73	—	3	3
53	10	8	18	74	—	6	6
54	9	16	25	75	1	4	5
55	26	23	49	76	—	2	2
56	16	20	36	77	—	1	1
57	30	21	51	78	—	1	1
58	26	31	57	Sum	441	348	789
59	17	17	34	Average size { Males: 60.69 feet Females: 60.26 " Total animals: 60.50 "			
60	28	22	50				
61	39	19	58	Per cent { Males: 55.89 Females: 44.11			
62	20	17	37				
63	23	15	38				
64	30	17	47				
65	22	12	34				
66	23	9	32				

**Humpbacks.**

29	—	2	2	43	1	—	1
30	1	—	1	44	3	1	4
31	—	1	1	45	—	—	—
32	1	2	3	46	3	2	5
33	5	4	9	47	—	1	1
34	4	2	6	48	—	3	3
35	8	9	17	Sum	54	49	103
36	6	5	11	Average size { Males: 37.61 feet Females: 37.63 " Total animals: 37.62 "			
37	5	3	8				
38	5	3	8	Per cent { Males: 52.43 Females: 47.57			
39	2	3	5				
40	6	3	9				
41	2	3	5				
42	2	2	4				



Table No. 6 (continued).

## Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
30	1	-	1	48	14	8	22
35	2	1	3	49	8	6	14
36	2	1	3	50	7	6	13
37	5	3	8	51	1	4	5
38	6	3	9	52	-	5	5
39	6	5	11	53	-	1	1
40	22	5	27	Sum	160	87	247
41	16	3	19	Average size	{	Males:	43.46 feet
42	14	4	18			Females:	45.07 "
43	7	7	14			Total animals:	44.02 "
44	11	7	18	Per cent	{	Males:	64.78
45	4	2	6			Females:	35.22
46	18	7	25				
47	16	9	25				

## Sperm-whales.

29	1	4	5	47	36	-	36
30	9	22	31	48	35	-	35
31	5	15	20	49	6	-	6
32	3	28	31	50	39	-	39
33	9	52	61	51	11	-	11
34	9	40	49	52	8	-	8
35	134	32	166	53	6	-	6
36	31	44	75	54	4	-	4
37	23	21	44	Sum	643	267	910
38	15	4	19	Average size	{	Males:	41.18 feet
39	11	1	12			Females:	33.88 "
40	61	4	65			Total animals:	39.04 "
41	43	-	43	Per cent	{	Males:	70.65
42	29	-	29			Females:	29.35
43	31	-	31				
44	12	-	12				
45	49	-	49				
46	23	-	23				

## Right-whales.

Engl. feet	Number of females.
44	1
47	1
Sum	2

Average size: 45.50 feet.

Table No. 6 (continued).

## 2. Cape Province.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Average size {	Males: 75.00 feet
	males.	females.			
72	-	1	1	Per cent {	Males: 25.00
75	1	1	2		
82	-	1	1		
Sum	1	3	4		

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
50	3	1	4	70	3	2	5
51	4	4	8	71	1	1	2
52	6	10	16	72	-	1	1
53	4	2	6	73	1	2	3
54	7	4	11	74	1	1	2
55	5	6	11	75	-	-	-
56	10	9	19	76	-	-	-
57	8	9	17	77	-	2	2
58	9	3	12	78	-	1	1
59	9	2	11	79	-	-	-
60	6	7	13	80	-	1	1
61	6	6	12	Sum	116	102	218
62	9	5	14				
63	5	4	9				
64	7	2	9				
65	2	3	5				
66	1	4	5				
67	3	3	6				
68	5	5	10				
69	1	2	3				

Average size {	Males: 59.32 feet
Total animals: 59.84 "	

Per cent {	Males: 53.21

## Humpbacks.

Engl. feet.	Number of		Total animals.	Average size {	Males: 38.20 feet
	males.	females.			
36	3	-	3	Per cent {	Males: 55.56
37	-	1	1		
40	1	1	2		
43	1	-	1		
44	-	1	1		
45	-	-	-		
46	-	1	1		
Sum	5	4	9		

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	51	6	9	15	
36	—	1	1	52	1	18	19	
37	5	4	9	53	—	10	10	
38	4	7	11	54	—	10	10	
39	—	4	4	55	2	7	9	
40	6	4	10	56	—	2	2	
41	—	7	7	57	—	—	—	
42	7	1	8	58	—	1	1	
43	10	5	15	Sum	88	149	237	
44	4	1	5	Average size	{	Males:	45.30 feet	
45	9	4	13			Females:	47.91	„
46	5	10	15			Total animals:	46.94	„
47	10	8	18	Per cent	{	Males:	37.13	
48	4	13	17			Females:	62.87	
49	6	10	16					
50	9	12	21					

## Sperm-whales.

30	—	1	1	49	1	—	1	
33	—	1	1	50	3	—	3	
35	5	13	18	51	6	—	6	
36	12	18	30	52	—	—	—	
37	19	19	38	53	1	—	1	
38	25	8	33	54	—	—	—	
39	19	7	26	55	2	—	2	
40	11	—	11	56	1	—	1	
41	11	—	11	Sum	144	67	211	
42	9	—	9	Average size	{	Males:	40.74 feet	
43	5	—	5			Females:	36.51	„
44	2	—	2			Total animals:	39.39	„
45	—	—	—	Per cent	{	Males:	68.25	
46	2	—	2			Females:	31.75	
47	3	—	3					
48	7	—	7					

## Bryde-whales.

38	—	1	1	49	—	4	4	
39	—	—	—	50	—	—	—	
40	1	—	1	51	—	1	1	
41	—	—	—	Sum	8	15	23	
42	3	1	4	Average size	{	Males:	43.50 feet	
43	—	1	1			Females:	46.27	„
44	1	—	1			Total animals:	45.30	„
45	1	2	3	Per cent	{	Males:	34.78	
46	1	1	2			Females:	65.22	
47	1	4	5					
48	—	—	—					

Table No. 6 (continued).

## 3. French Congo. (Incl. St. Thomé.)

## Fin-whales.

Engl. feet.	Number of		Total animals.	Average size	Per cent
	males.	females.			
52	1	—	1	Males: 60.00 feet Females: 61.00 „ Total animals: 60.25 „	Males: 75.00 Females: 25.00
60	1	—	1		
61	—	1	1		
68	1	—	1		
Sum	3	1	4		

## Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
29	1	—	1	49	7	30	37
30	—	1	1	50	4	17	21
35	62	56	118	51	1	11	12
36	102	66	168	52	1	5	6
37	36	30	66	53	—	3	3
38	54	35	89	54	1	—	1
39	30	19	49	55	—	1	1
40	26	27	53	Sum	536	568	1) 1,104
41	23	20	43	Average size { Males: 40.18 feet Females: 42.29 „ Total animals: 41.26 „  Per cent { Males: 48.55 Females: 51.45			
42	30	22	52				
43	27	28	55				
44	31	38	69				
45	29	38	67				
46	24	30	54				
47	24	39	63				
48	23	52	75				

1) In addition 1 humpback lost.

## Sei-whales.

32	—	1	1	48	15	33	48
35	2	—	2	49	4	17	21
36	1	2	3	50	2	16	18
37	—	1	1	51	—	5	5
38	—	—	—	52	1	3	4
39	—	1	1	Sum	243	223	1) 466
40	19	25	44	Average size { Males: 44.41 feet Females: 45.57 „ Total animals: 44.97 „  Per cent { Males: 52.15 Females: 47.85			
41	12	12	24				
42	17	3	20				
43	25	5	30				
44	28	17	45				
45	57	24	81				
46	40	33	73				
47	20	25	45				

1) In addition 4 sei-whales lost.

Table No. 6 (continued).

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
27	-	1	1	47	1	-	1
28	1	-	1	48	2	-	2
29	-	2	2	49	1	-	1
30	1	3	4	50	1	-	1
31	2	7	9	51	2	-	2
32	2	5	7	52	2	-	2
33	1	7	8	53	1	-	1
34	-	3	3	54	-	-	-
35	12	54	66	55	-	-	-
36	2	14	16	56	2	-	2
37	3	5	8	57	1	-	1
38	1	1	2	Sum	44	102	146
39	-	-	-	Average size { Males: 40.66 feet Females: 34.33 " Total animals: 36.24 "			
40	-	-	-				
41	-	-	-				
42	1	-	1				
43	3	-	3				
44	1	-	1				
45	-	-	-	Per cent { Males: 30.14 Females: 69.86			
46	1	-	1				

## Right-whale.

Engl. feet.	Female.
49	1

## 4. Spanish Morocco.

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
54	1	-	1	67	-	1	1
55	-	-	-	68	-	-	-
56	1	1	2	69	2	1	3
57	-	-	-	70	-	1	1
58	-	-	-	Sum	18	18	36
59	5	5	10	Average size { Males: 61.33 feet Females: 63.16 " Total animals: 62.25 "			
60	3	1	4				
61	-	-	-				
62	3	2	5				
63	1	-	1				
64	-	-	-				
65	-	-	-	Per cent { Males: 50.00 Females: 50.00			
66	2	6	8				

Table No. 6 (continued).

## Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
40	2	1	3	51	-	-	-
41	-	-	-	52	1	1	2
42	1	-	1	55	-	1	1
43	8	4	12	Sum	22	30	52
44	1	2	3	Average size	Males: 44.73 feet		
45	1	3	4		Females: 46.67 "		
46	5	8	13	Total animals: 45.85 "			
47	-	-	-	Per cent	Males: 42.31		
48	-	-	-		Females: 57.69		
49	3	10	13				
50	-	-	-				

## Sperm-whales.

32	-	5	5	46	2	-	2
33	-	11	11	49	4	-	4
36	9	-	9	52	4	-	4
37	4	-	4	Sum	36	16	52
38	1	-	1	Average size	Males: 41.19 feet		
39	8	-	8		Females: 32.69 "		
40	2	-	2	Total animals: 38.58 "			
41	-	-	-	Per cent	Males: 69.23		
42	1	-	1		Females: 30.77		
43	1	-	1				
44	-	-	-				
45	-	-	-				

## 5. Summary Africa.

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

## Blue-whales.

61	1	-	1	77	-	-	-
62	1	2	3	78	-	1	1
65	2	-	2	82	-	1	1
68	-	1	1	Sum	8	16	24
69	-	-	-	Average size	Males: 67.88 feet		
70	-	1	1		Females: 72.19 "		
71	1	3	4	Total animals: 70.75 "			
72	2	1	3	Per cent	Males: 33.33		
73	-	2	2		Females: 66.67		
74	-	-	-				
75	1	2	3				
76	-	2	2				

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	67	25	10	35
45	—	—	—	68	23	12	35
46	—	—	—	69	19	11	30
47	1	2	3	70	13	21	34
48	5	2	7	71	8	6	14
49	3	2	5	72	5	2	7
50	13	7	20	73	1	5	6
51	18	13	31	74	1	7	8
52	18	27	45	75	1	4	5
53	14	10	24	76	—	2	2
54	17	20	37	77	—	3	3
55	31	29	60	78	—	2	2
56	27	30	57	79	—	—	—
57	38	30	68	80	—	1	1
58	35	34	69	Sum	578	469	1,047
59	31	24	55	Average size { Males: 60.43 feet			
60	38	30	68	{ Females: 60.41 "			
61	45	26	71	{ Total animals: 60.42 "			
62	32	24	56	Per cent { Males: 55.21			
63	29	19	48	{ Females: 44.79			
64	37	19	56				
65	24	15	39				
66	26	19	45				

## Humpbacks.

29	1	2	3	47	24	40	64
30	1	1	2	48	23	55	78
31	—	1	1	49	7	30	37
32	1	2	3	50	4	17	21
33	5	4	9	51	1	11	12
34	4	2	6	52	1	5	6
35	70	65	135	53	—	3	3
36	111	71	182	54	1	—	1
37	41	34	75	55	—	1	1
38	59	38	97	Sum	595	621	1) 1,216
39	32	22	54	Average size { Males: 39.93 feet			
40	33	31	64	{ Females: 41.92 "			
41	25	23	48	{ Total animals: 40.94 "			
42	32	24	56	Per cent { Males: 48.93			
43	29	28	57	{ Females: 51.07			
44	34	40	74				
45	29	38	67				
46	27	33	60				

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.	
30	1	-	1	49	21	43	64
32	-	1	1	50	18	34	52
33	-	-	-	51	7	18	25
34	-	-	-	52	3	27	30
35	4	2	6	53	-	11	11
36	3	4	7	54	-	10	10
37	10	8	18	55	2	8	10
38	10	10	20	56	-	2	2
39	6	10	16	57	-	-	-
40	49	35	84	58	-	1	1
41	28	22	50	Sum	513	489	<sup>1)</sup> 1,002
42	39	8	47	Average size { Males: 44.28 feet			
43	50	21	71	Females: 46.26 "			
44	44	27	71	Total animals: 45.25 "			
45	71	33	104	Per cent { Males: 51.20			
46	68	58	126	Females: 48.80			
47	46	42	88				
48	33	54	87				

<sup>1)</sup> In addition 4 sei-whales lost.

## Sperm-whales.

27	-	1	1	47	40	-	40
28	1	-	1	48	44	-	44
29	1	6	7	49	12	-	12
30	10	26	36	50	43	-	43
31	7	22	29	51	19	-	19
32	5	38	43	52	14	-	14
33	10	71	81	53	8	-	8
34	9	43	52	54	4	-	4
35	151	99	250	55	2	-	2
36	54	76	130	56	3	-	3
37	49	45	94	57	1	-	1
38	42	13	55	Sum	867	452	1,319
39	38	8	46	Average size { Males: 41.08 feet			
40	74	4	78	Females: 34.33 "			
41	54	-	54	Total animals: 38.77 "			
42	40	-	40	Per cent { Males: 65.73			
43	40	-	40	Females: 34.27			
44	15	-	15				
45	49	-	49				
46	28	-	28				

## Bryde-whales.

38	-	1	1	50	-	-	-
40	1	-	1	51	-	1	1
41	-	-	-	Sum	8	15	23
42	3	1	4	Average size { Males: 43.50 feet			
43	-	1	1	Females: 46.27 "			
44	1	-	1	Total animals: 45.30 "			
45	1	2	3	Per cent { Males: 34.78			
46	1	1	2	Females: 65.22			
47	1	4	5				
48	-	-	-				
49	-	4	4				



Table No. 6 (continued).

**Right-whales.**

Engl. feet.	Females.
44	1
47	1
49	1
Sum	3

Average size: 46.67 feet.

**6. Brazil.****Humpbacks.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
36	2	-	2	48	2	2	4
37	-	-	-	49	1	3	4
38	1	1	2	53	1	1	2
39	2	-	2	Sum	18	10	28
40	-	-	-	Average size { Males: 43.17 feet Females: 46.70 " Total animals: 44.43 " Per cent { Males: 64.29 Females: 35.71			
41	2	-	2				
42	-	-	-				
43	1	1	2				
44	5	1	6				
45	-	-	-				
46	1	1	2				
47	-	-	-				

**Sei-whales.**

36	3	-	3	54	7	6	13
37	1	-	1	55	-	2	2
38	-	-	-	56	1	2	3
39	2	-	2	57	-	1	1
40	-	-	-	58	-	1	1
41	-	1	1	Sum	95	56	151
46	8	4	12	Average size { Males: 49.17 feet Females: 51.18 " Total animals: 49.91 " Per cent { Males: 62.91 Females: 37.09			
47	4	-	4				
48	15	5	20				
49	23	9	32				
50	2	2	4				
51	9	9	18				
52	8	2	10				
53	12	12	24				

**7. Portugal.****Blue-whale.**

Engl. feet.	Female.
59	1

Table No. 6 (continued).

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
48	1	-	1	59	-	-	-
49	-	-	-	60	2	-	2
50	-	1	1	Sum	5	4	9
51	-	-	-	Average size { Males: 56.20 feet Females: 52.00 " Total animals: 54.33 "  Per cent { Males: 55.56 Females: 44.44			
52	-	1	1				
53	-	2	2				
54	-	-	-				
55	1	-	1				
56	-	-	-				
57	-	-	-				
58	1	-	1				

## Sperm-whales.

Engl. feet.	Number of males.
28	1
31	1
32	1
33	1
40	3
41	3
47	1
Sum	11

Average size: 37.64 feet.

## 8. Norway.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Average size { Males: 77.00 feet Females: 66.67 " Total animals: 69.25 "
	males.	females.		
62	-	1	1	Per cent { Males: 25.00 Females: 75.00
68	-	1	1	
70	-	1	1	
77	1	-	1	
Sum	1	3	4	

Table No. 6 (continued).

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
43	1	-	1	64	13	5	18
44	2	1	3	65	8	7	15
45	-	1	1	66	3	11	14
48	1	1	2	67	1	10	11
49	-	1	1	68	1	9	10
50	6	3	9	69	-	9	9
51	3	1	4	70	-	6	6
52	10	7	17	71	-	3	3
53	9	5	14	72	-	5	5
54	7	9	16	73	-	2	2
55	9	5	14	Sum	170	151	321
56	9	7	16	Average size {			Males: 58.64 feet
57	3	2	5	Females: 61.70 "			
58	15	5	20	Total animals: 60.08 "			
59	8	7	15	Per cent {			
60	10	5	15	Males: 52.96			
61	16	9	25	Females: 47.04			
62	16	6	22				
63	19	9	28				

## Humpbacks.

35	1	-	1	Average size {			Males: 38.67 feet
39	1	-	1	Females: 47.00 "			
42	1	-	1	Total animals: 42.00 "			
45	-	1	1	Per cent {			
49	-	1	1	Males: 60.00			
Sum	3	2	5	Females: 40.00			

## Sei-whales.

Engl. feet.	Number of		Total animals.	Average size {		
	males.	females.		Males:	Females:	Total animals:
38	1	-	1	43.78 feet	42.00 "	43.45 "
41	-	1	1	Per cent {		
43	2	1	3	Males: 81.82		
44	2	-	2	Females: 18.18		
45	2	-	2			
46	2	-	2			
Sum	9	2	11			

Table No. 6 (continued).

Sperm-whales.			
Engl. feet.	Number of males.	Engl. feet.	Number of males.
43	1	51	12
44	1	52	3
45	3	53	4
46	4	54	2
47	7	55	1
48	8	56	1
49	14	57	1
50	14		
		Sum	76

Average size: Males: 49.49 feet.

**9. Scotland.****Blue-whales.**

Engl. feet.	Number of females.
66	1
70	1
80	1
85	1
Sum	4

Average size: 75.25 feet.

**Fin-whales.**

Engl. feet.	Number of		Total animals.	
	males.	females.		
50	—	1	1	Average size { Males: 61.67 feet Females: 58.33 „ Total animals: 59.17 „
55	—	2	2	
56	—	2	2	Per cent { Males: 25.00 Females: 75.00
58	—	1	1	
59	1	1	2	
61	1	—	1	
65	1	—	1	
68	—	2	2	
Sum	3	9	1) 12	

1) In addition 1 fin-whale lost.

**Sei-whales.**

Engl. feet.	Number of females.
46	1
47	1
50	1
Sum	3

Average size: 47.67 feet.

**Sperm-whale.**

Engl. feet.	Male.
47	1

Table No. 6 (continued).

## 10. Faroe Islands.

## Blue-whales.

Engl. feet.	Number of		Total animals.	
	males.	females.		
61	1	—	1	Average size { Males: 65.00 feet Females: 72.00 " Total animals: 68.11 "
63	1	2	3	
64	1	—	1	Per cent { Males: 55.56 Females: 44.44
66	1	—	1	
71	1	—	1	
80	—	1	1	
82	—	1	1	
Sum	5	4	9	

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
53	4	4	8	68	1	3	4
54	5	4	9	69	—	6	6
55	2	3	5	70	—	3	3
56	3	6	9	71	—	2	2
57	7	2	9	72	—	1	1
58	5	3	8	Sum	77	79	156
59	2	4	6	Average size { Males: 60.31 feet Females: 62.46 " Total animals: 61.40 "			
60	10	4	14				
61	4	3	7	Per cent { Males: 49.36 Females: 50.64			
62	7	2	9				
63	13	6	19				
64	5	2	7				
65	3	6	9				
66	5	9	14				
67	1	6	7				

## Sei-whales.

Engl. feet.	Number of		Total animals.	
	males.	females.		
42	1	1	2	Average size { Males: 44.69 feet Females: 45.45 " Total animals: 45.13 "
43	12	14	26	
44	12	11	23	Per cent { Males: 41.27 Females: 58.73
45	14	14	28	
46	7	15	22	
47	4	4	8	
48	1	8	9	
49	—	7	7	
50	1	—	1	
Sum	52	74	126	

Table No. 6 (continued).

## Sperm-whales.

Engl. feet.	Number of males.	Engl. feet.	Number of males.
40	1	50	6
42	2	51	4
44	1	52	7
45	5	53	1
46	6	54	4
47	11	55	1
48	15	56	1
49	5	Sum	70

Average size: Males: 48.56 feet.

## II. Iceland.

## Blue-whales.

Engl. feet.	Number of		Total animals.
	males.	females.	
62	1	—	1
65	2	—	2
66	1	—	1
67	1	—	1
70	3	—	3
71	—	2	2
82	—	1	1
Sum	8	3	11

Average size { Males: 66.88 feet  
Females: 74.33 "  
Total animals: 68.91 "

Per cent { Males: 72.73  
Females: 27.27

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.				
	males.	females.			males.	females.					
47	1	—	1	65	5	11	16				
48	—	2	2	66	3	15	18				
50	2	5	7	67	—	7	7				
51	2	4	6	68	—	5	5				
52	—	6	6	69	—	7	7				
53	9	6	15	70	—	4	4				
54	4	9	13	71	—	1	1				
55	5	9	14	72	—	1	1				
56	2	8	10	Sum	123	189	312				
57	7	17	24	Average size { Males: 59.18 feet Females: 60.51 " Total animals: 59.99 "							
58	17	3	20								
59	5	13	18								
60	23	7	30								
61	13	8	21								
62	9	8	17								
63	8	18	26								
64	8	15	23								
								Per cent { Males: 39.42 Females: 60.58			

## Humpback.

Engl. feet.	Male.
44	1

Table No. 6 (continued).

Sei-whales.	
Engl. feet.	Number of females.
45	1
47	1
Sum	2

Average size: 46.00 feet.

Sperm-whales.			
Engl. feet.	Number of males.	Engl. feet.	Number of males.
45	1	52	2
46	1	54	1
48	1	55	1
49	1	56	1
50	1		
51	3	Sum	13

Average size: 50.77 feet.

## 12. West Greenland.

## Fin-whales.

Engl. feet.	Number of		Total animals.	
	males.	females.		
50	1	—	1	Average size { Males: 59.38 feet Females: 63.43 " Total animals: 61.27 "
56	—	1	1	
58	3	1	4	
59	1	1	2	
60	1	—	1	
64	1	—	1	
65	—	1	1	
68	1	2	3	Per cent { Males: 53.33 Females: 46.67
70	—	1	1	
Sum	8	7	15	

## Humpbacks.

Engl. feet.	Number of		Total animals.	
	males.	females.		
36	1	—	1	Average size { Males: 43.67 feet Females: 50.50 " Total animals: 46.40 "
47	1	—	1	
48	1	—	1	
50	—	1	1	
51	—	1	1	
Sum	3	2	5	Per cent { Males: 60.00 Females: 40.00

## Sperm-whales.

Engl. feet.	Number of males.
47	1
49	1
50	1
52	3
Sum	6

Average size: 50.33 feet.

Table No. 6 (continued).

## 13. Newfoundland.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
64	1	-	1	79	-	1	1
65	-	1	1	80	-	1	1
66	1	-	1	82	-	1	1
68	2	-	2	Sum	11	13	24
70	3	-	3	Average size { Males: 70.09 feet			
71	1	-	1	{ Females: 75.23 "			
72	1	3	4	{ Total animals: 72.88 "			
73	-	2	2	Per cent { Males: 45.83			
76	2	-	2	{ Females: 54.17			
77	-	2	2				
78	-	2	2				

## Fin-whales.

42	1	-	1	64	4	18	22
46	-	1	1	65	1	16	17
48	2	1	3	66	2	7	9
49	2	7	9	67	2	10	12
50	8	8	16	68	-	9	9
51	8	10	18	69	2	2	4
52	9	12	21	70	-	3	3
53	7	6	13	71	-	1	1
54	1	7	8	Sum	218	265	483
55	25	24	49	Average size { Males: 57.73 feet			
56	11	14	25	{ Females: 59.32 "			
57	28	9	37	{ Total animals: 58.61 "			
58	24	11	35	Per cent { Males: 45.13			
59	10	9	19	{ Females: 54.87			
60	17	19	36				
61	25	25	50				
62	17	20	37				
63	12	16	28				

## Humpbacks.

29	1	-	1	43	-	3	3
30	1	-	1	44	-	4	4
31	2	-	2	47	-	1	1
32	-	1	1	Sum	13	16	29
35	-	1	1	Average size { Males: 35.92 feet			
36	2	-	2	{ Females: 40.88 "			
37	1	2	3	{ Total animals: 38.66 "			
38	3	-	3	Per cent { Males: 44.83			
39	-	1	1	{ Females: 55.17			
40	1	2	3				
41	1	-	1				
42	1	1	2				



Table No. 6 (continued).

## Sei-whales.

Engl. feet.	Number of		Total animals.	
	males.	females.		
40	2	—	2	Average size { Males: 43.31 feet Females: 45.00 „ Total animals: 44.31 „
41	2	2	4	
42	2	2	4	
43	2	1	3	Per cent { Males: 41.03 Females: 58.97
44	2	4	6	
45	3	4	7	
46	3	7	10	
48	—	1	1	
50	—	2	2	
Sum	16	23	39	

## Sperm-whales.

Engl. feet.	Number of males.
44	1
50	3
52	1
53	5
54	1
55	1
Sum	12

Average size: 51.67 feet.

## 14. Summary Atlantic and Arctic.

(Portugal, Norway, Scotland, Faroe Islands, Iceland, West Greenland, and Newfoundland.)

## Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
59	—	1	1	78	—	2	2
61	1	—	1	79	—	1	1
62	1	1	2	80	—	3	3
63	1	2	3	81	—	1	1
64	2	—	2	82	—	2	2
65	2	1	3	85	—	1	1
66	3	1	4	Sum	25	28	53
67	1	—	1	Average size { Males: 68.32 feet Females: 73.18 „ Total animals: 70.89 „			
68	2	1	3				
70	6	2	8				
71	2	2	4	Per cent { Males: 47.17 Females: 52.83			
72	1	3	4				
73	—	2	2				
76	2	—	2				
77	1	2	3				

Table No. 6 (continued).

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
42	1	-	1	63	52	49	101
43	1	-	1	64	31	40	71
44	2	1	3	65	18	41	59
45	-	1	1	66	13	42	55
46	-	1	1	67	4	33	37
47	1	-	1	68	3	30	33
48	4	4	8	69	2	24	26
49	2	8	10	70	-	17	17
50	17	18	35	71	-	7	7
51	13	15	28	72	-	7	7
52	19	26	45	73	-	2	2
53	29	23	52				
54	17	29	46	Sum	604	704	1,308
55	42	43	85				
56	25	38	63				
57	45	30	75	Average size	{ Males: 58.64 feet		
58	65	24	89		{ Females: 60.49 "		
59	27	35	62		{ Total animals: 59.64 "		
60	63	35	98	Per cent	{ Males: 46.18		
61	59	45	104		{ Females: 53.82		
62	49	36	85				

## Humpbacks.

29	1	-	1	47	1	1	2
30	1	-	1	48	1	-	1
31	2	-	2	49	-	1	1
32	-	1	1	50	-	1	1
35	1	1	2	51	-	1	1
36	3	-	3	Sum	20	20	40
37	1	2	3				
38	3	-	3				
39	1	1	2	Average size	{ Males: 37.90 feet		
40	1	2	3		{ Females: 42.45 "		
41	1	-	1		{ Total animals: 40.18 "		
42	2	1	3	Per cent	{ Males: 50.00		
43	-	3	3		{ Females: 50.00		
44	1	4	5				
45	-	1	1				

## Sei-whales.

38	1	-	1	48	1	9	10
40	2	-	2	59	-	7	7
41	2	3	5	50	1	3	4
42	3	3	6	Sum	77	104	181
43	16	16	32				
44	16	15	31	Average size	{ Males: 44.30 feet		
45	19	19	38		{ Females: 45.36 "		
46	12	23	35		{ Total animals: 44.91 "		
47	4	6	10	Per cent	{ Males: 42.54		
					{ Females: 57.46		

Table No. 6 (continued).

## Sperm-whales.

Engl. feet.	Number of males	Engl. feet	Number of males
28	1	48	24
31	1	49	21
32	1	50	25
33	1	51	19
40	4	52	16
41	3	53	10
42	2	54	8
43	1	55	4
44	3	56	3
45	9	57	1
46	11		
47	21	Sum	189

Average size: 48.69 feet.

## 15. California.

## Fin-whales.

Engl. feet.	Number of		Total animals.	
	males.	females.		
59	1	-	1	Average size { Males: 63.40 feet Females: 62.50 " Total animals: 63.00 "
60	-	-	-	
61	-	1	1	
62	1	1	2	Per cent { Males: 55.56 Females: 44.44
63	-	1	1	
64	2	1	3	
65	-	-	-	
66	-	-	-	
68	1	-	1	
Sum	5	4	9	

## Humpbacks.

Engl. feet.	Number of males.
35	1
41	1
47	1
49	1
Sum	4

Average size: 43.00 feet.

## Sperm-whales.

Engl. feet.	Number of males.	Engl. feet.	Number of males.
35	1	45	1
38	2	46	3
39	1	47	-
40	3	48	2
41	3	49	2
42	4	51	2
43	2		
44	-	Sum	26

Average size: 43.31 feet.

Table No. 6 (continued).

## 16. British Columbia.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
62	1	-	1	Average size {	Males:	66.00 feet	
65	1	-	1		Females:	74.67 "	
66	-	1	1		Total animals:	71.78 "	
71	1	-	1		Per cent {	Males:	33.33
74	-	1	1			Females:	66.67
75	-	1	1				
77	-	1	1				
78	-	2	2				
Sum	3	6	9				

## Fin-whales.

41	1	-	1	62	9	8	17
45	-	-	-	63	7	9	16
46	-	1	1	64	5	11	16
47	2	-	2	65	-	4	4
48	3	1	4	66	-	5	5
49	4	1	5	67	-	1	1
50	3	2	5	68	-	1	1
51	3	3	6	69	-	-	-
52	2	4	6	70	-	2	2
53	5	11	16	Sum	99	117	216
54	5	3	8	Average size {	Males:	57.10 feet	
55	7	5	12		Females:	58.87 "	
56	3	10	13		Total animals:	58.06 "	
57	8	6	14		Per cent {	Males:	45.83
58	6	5	11			Females:	54.17
59	9	10	19				
60	8	4	12				
61	9	10	19				

## Humpbacks.

29	1	-	1	43	4	1	5
31	1	-	1	44	1	-	1
32	1	2	3	45	2	2	4
33	-	1	1	46	-	1	1
34	1	-	1	Sum	36	15	51
35	1	3	4	Average size {	Males:	39.14 feet	
36	4	-	4		Females:	38.67 "	
37	2	1	3		Total animals:	39.00 "	
38	4	-	4		Per cent {	Males:	70.59
39	1	1	2			Females:	29.41
40	3	1	4				
41	7	1	8				
42	3	1	4				

## Right-whale.

Engl. feet.	Male.
41	1

## Sei-whales.

Engl. feet.	Number of males.	Engl. feet.	Number of males.
38	1	47	1
40	1	56	1
46	1	Sum	5

Average size: 45.40 feet.

Table No. 6 (continued).

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
32	1	1	2	47	4	-	4
33	-	3	3	48	3	-	3
34	-	1	1	49	4	-	4
35	4	6	10	50	8	-	8
36	4	1	5	51	1	-	1
37	11	3	14	52	-	-	-
38	10	1	11	56	1	-	1
39	14	1	15	Sum	136	17	153
40	16	-	16	Average size { Males: 41.90 feet			
41	17	-	17	{ Females: 35.24 "			
42	6	-	6	{ Total animals: 41.16 "			
43	8	-	8	Per cent { Males: 88.89			
44	4	-	4	{ Females: 11.11			
45	14	-	14				
46	6	-	6				

## 17. Kamtchatka, pelagic.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Average size { Males: 74.00 feet
	males.	females.		
73	1	-	1	Total animals: 74.14 "
74	4	-	4	
75	1	1	2	
Sum	6	1	7	Per cent { Males: 85.71
				{ Females: 14.29

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
54	1	-	1	69	-	-	-
55	1	1	2	70	-	-	-
56	2	2	4	71	-	-	-
57	4	4	8	72	1	-	1
58	4	3	7	73	1	1	2
59	6	2	8	Sum	51	39	90
60	6	2	8	Average size { Males: 61.00 feet			
61	10	5	15	{ Females: 61.69 "			
62	3	2	5	{ Total animals: 61.30 "			
63	4	6	10	Per cent { Males: 56.67			
64	1	2	3	{ Females: 43.33			
65	3	3	6				
66	4	6	10				
67	-	-	-				
68	-	-	-				

Table No. 6 (continued).

**Humpback.**

Engl. feet.	Female.
35	1

**Sei-whales.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
40	-	1	1	55	-	-	-
45	-	1	1	56	1	-	1
46	-	-	-	Sum	5	11	16
47	-	1	1	Average size { Males: 52.20 feet Females: 48.91 " Total animals: 49.94 "			
48	-	1	1	Per cent { Males: 31.25 Females: 68.75			
49	1	1	2				
50	1	1	2				
51	-	3	3				
52	1	-	1				
53	-	2	2				
54	1	-	1				

**Sperm-whales.**

35	22	11	33	49	47	2	49
36	26	15	41	50	27	-	27
37	20	10	30	51	29	-	29
38	33	5	38	52	12	1	13
39	40	3	43	53	8	-	8
40	50	6	56	54	1	-	1
41	32	1	33	Sum	702	62	<sup>1)</sup> 764
42	34	1	35	Average size { Males: 43.79 feet Females: 38.48 " Total animals: 43.36 "			
43	79	4	83	Per cent { Males: 91.88 Females: 8.12			
44	53	1	54				
45	50	-	50				
46	49	-	49				
47	43	1	44				
48	47	1	48				

<sup>1)</sup> In addition 1 sperm-whale not measured.**18. Kuril Islands.****Blue-whales.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of	Total animals.
	males.	females.				
56	1	-	1	Average size { Males: 68.00 feet Females: 70.20 " Total animals: 69.22 "		
65	-	1	1	Per cent { Males: 44.44 Females: 55.56		
66	-	1	1			
70	1	1	2			
71	1	-	1			
75	1	2	3			
Sum	4	5	9			

Table No. 6 (continued).

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
48	1	-	1	65	2	3	5
49	-	1	1	66	3	10	13
50	-	-	-	67	6	6	12
51	-	1	1	68	-	-	-
52	-	-	-	69	2	1	3
53	1	-	1	70	-	-	-
54	1	1	2	71	-	-	-
55	2	2	4	72	1	1	2
56	8	4	12	Sum	97	58	1) 155
57	5	1	6	Average size			{ Males: 60.52 feet
58	8	3	11				{ Females: 62.10 "
59	11	3	14				{ Total animals: 61.11 "
60	18	2	20	Per cent			{ Males: 62.58
61	12	5	17				{ Females: 37.42
62	4	4	8				
63	9	5	14				
64	3	5	8				

1) In addition 1 fin-whale not measured.

## Humpbacks.

Engl. feet.	Number of		Total animals.	Average size	Per cent
	males.	females.			
33	-	1	1	Males: 47.67 feet Females: 44.80 " Total animals: 45.88 "	Males: 37.50 Females: 62.50
35	-	1	1		
45	1	-	1		
46	1	1	2		
51	-	1	1		
52	1	-	1		
59	-	1	1		
Sum	3	5	8		

## Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
29	-	1	1	54	5	1	6
38	1	-	1	55	-	1	1
40	-	-	-	56	-	-	-
41	3	1	4	57	-	-	-
42	3	-	3	58	1	1	2
43	2	1	3	59	1	-	1
44	-	-	-	61	-	1	1
45	4	1	5	Sum	30	22	52
46	3	1	4	Average size			{ Males: 47.47 feet
47	4	2	6				{ Females: 48.73 "
48	-	3	3				{ Total animals: 48.00 "
49	-	4	4	Per cent			{ Males: 57.69
50	-	1	1				{ Females: 42.31
51	-	1	1				
52	1	1	2				
53	2	1	3				

Table No. 6 (continued).

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
34	1	—	1	49	35	—	35
35	206	204	410	50	53	—	53
36	165	141	306	51	31	—	31
37	73	17	90	52	13	—	13
38	65	10	75	53	6	—	6
39	52	6	58	54	4	—	4
40	51	8	59	55	1	—	1
41	50	1	51	Sum	1,053	397	1) 1,450
42	29	1	30	Average size	{	Males:	40.67 feet
43	43	5	48			Females:	35.92 "
44	29	1	30	Total animals:		39.37 "	
45	41	—	41	Per cent	{	Males:	72.62
46	26	1	27			Females:	27.38
47	34	1	35				
48	45	1	46				

1) In addition 11 males and 1 female not measured.

## 19. Japan.

## Blue-whales.

65	1	1	2	77	—	3	3
66	6	2	8	78	—	—	—
67	3	3	6	79	—	3	3
68	5	1	6	80	—	1	1
69	—	—	—	Sum	22	24	1) 46
70	3	1	4	Average size	{	Males:	68.41 feet
71	1	—	1			Females:	73.08 "
72	1	2	3	Total animals:		70.85 "	
73	—	—	—	Per cent	{	Males:	47.83
74	—	1	1			Females:	52.17
75	2	4	6				
76	—	2	2				

1) In addition 1 blue-whale lost.

## Fin-whales.

47	1	—	1	64	—	6	6
48	—	—	—	65	—	8	8
49	—	—	—	66	—	2	2
50	6	7	13	67	—	1	1
51	17	18	35	68	—	—	—
52	16	10	26	69	—	1	1
53	7	6	13	70	—	2	2
54	7	—	7	71	—	1	1
55	6	4	10	Sum	110	99	209
56	6	1	7	Average size	{	Males:	55.49 feet
57	5	2	7			Females:	57.66 "
58	2	4	6	Total animals:		56.52 "	
59	11	2	13	Per cent	{	Males:	52.63
60	7	5	12			Females:	47.37
61	9	7	16				
62	6	4	10				
63	4	8	12				



Table No. 6 (continued).

## Humpbacks.

Engl. feet.	Number of		Total animals.	Average size	Per cent
	males.	females.			
37	2	-	2	Males: 37.00 feet Females: 43.00 " Total animals: 40.00 "	Males: 50.00 Females: 50.00
38	-	1	1		
48	-	1	1		
Sum	2	2	4		

## Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	1	2	3	48	5	15	20
36	9	1	10	49	1	9	10
37	8	6	14	50	1	9	10
38	7	8	15	51	1	3	4
39	14	13	27	Sum	215	202	1) 417
40	20	16	36	Average size			
41	13	8	21	Males: 42.62 feet Females: 43.89 " Total animals: 43.23 "			
42	24	20	44	Per cent			
43	22	17	39	Males: 51.56 Females: 48.44			
44	35	17	52				
45	20	13	33				
46	19	25	44				
47	15	20	35				

1) In addition 2 sei-whales lost.

## Sperm-whales.

33	-	1	1	49	6	-	6
34	1	-	1	50	8	-	8
35	52	99	151	51	9	-	9
36	285	155	440	52	11	-	11
37	198	75	273	53	5	-	5
38	93	27	120	54	2	-	2
39	54	2	56	55	2	-	2
40	53	1	54	Sum	923	360	1,283
41	35	-	35	Average size			
42	29	-	29	Males: 38.64 feet Females: 36.10 " Total animals: 37.93 "			
43	24	-	24	Per cent			
44	13	-	13	Males: 71.94 Females: 28.06			
45	12	-	12				
46	9	-	9				
47	12	-	12				
48	10	-	10				

Table No. 6 (continued).

**20. Bonin Island, pelagic.**  
**Sei-whales.**

Engl. feet.	Number of		Total animals.	
	males.	females.		
39	1	—	1	Average size { Males: 41.76 feet Females: 42.30 „ Total animals: 42.00 „
40	16	11	27	
41	51	27	78	
42	53	36	89	Per cent { Males: 55.36 Females: 44.64
43	23	26	49	
44	7	18	25	
45	4	4	8	
46	—	3	3	
Sum	155	125	280	

**Sperm-whales.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	2	—	2	49	8	—	8
36	1	—	1	50	3	—	3
37	1	—	1	51	5	—	5
38	1	1	2	52	3	—	3
39	—	—	—	53	2	—	2
40	2	—	2	Sum	59	1	60
41	2	—	2	Average size { Males: 46.17 feet Females: 38.00 „ Total animals: 46.03 „			
42	1	—	1				
43	3	—	3	Per cent { Males: 98.33 Females: 1.67			
44	6	—	6				
45	5	—	5				
46	3	—	3				
47	4	—	4				
48	7	—	7				

**21. Summary Pacific North.**

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

**Blue-whales.**

56	1	—	1	76	—	2	2
62	1	—	1	77	—	4	4
63	—	—	—	78	—	2	2
64	—	—	—	79	—	3	3
65	2	2	4	80	—	1	1
66	6	4	10	Sum	35	36	1) 71
67	3	3	6	Average size { Males: 69.11 feet Females: 73.00 „ Total animals: 71.08 „			
68	5	1	6				
69	—	—	—	Per cent { Males: 49.30 Females: 50.70			
70	4	2	6				
71	3	—	3				
72	1	2	3				
73	1	—	1				
74	4	2	6				
75	4	8	12				

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

Table No. 6 (continued).

Fin-whales.							
Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
41	1	-	1	63	24	29	53
46	-	1	1	64	11	25	36
47	3	-	3	65	5	18	23
48	4	1	5	66	7	23	30
49	4	2	6	67	6	8	14
50	9	9	18	68	1	1	2
51	20	22	42	69	2	2	4
52	18	14	32	70	-	4	4
53	13	17	30	71	-	1	1
54	14	4	18	72	2	1	3
55	16	12	28	73	1	1	2
56	19	17	36	Sum	362	317	<sup>1)</sup> 679
57	22	13	35	Average size { Males: 58.16 feet			
58	20	15	35	{ Females: 59.48 "			
59	38	17	55	{ Total animals: 58.78 "			
60	39	13	52	Per cent { Males: 53.31			
61	40	28	68	{ Females: 46.69			
62	23	19	42				

<sup>1)</sup> In addition 1 fin-whale not measured.

Humpbacks.							
29	1	-	1	45	3	2	5
30	-	-	-	46	1	2	3
31	1	-	1	47	1	-	1
32	1	2	3	48	-	1	1
33	-	2	2	49	1	-	1
34	1	-	1	51	-	1	1
35	2	5	7	52	1	-	1
36	4	-	4	59	-	1	1
37	4	1	5	Sum	45	23	68
38	4	1	5	Average size { Males: 39.96 feet			
39	1	1	2	{ Females: 40.22 "			
40	3	1	4	{ Total animals: 40.04 "			
41	8	1	9	Per cent { Males: 66.18			
42	3	1	4	{ Females: 33.82			
43	4	1	5				
44	1	-	1				

Sei-whales.							
29	-	1	1	51	1	7	8
35	1	2	3	52	2	1	3
36	9	1	10	53	2	3	5
37	8	6	14	54	6	1	7
38	9	8	17	55	-	1	1
39	15	13	28	56	2	-	2
40	37	28	65	58	1	1	2
41	67	36	103	59	1	-	1
42	80	56	136	61	-	1	1
43	47	44	91	Sum	410	360	<sup>1)</sup> 770
44	42	35	77	Average size { Males: 42.80 feet			
45	28	19	47	{ Females: 43.78 "			
46	23	29	52	{ Total animals: 43.26 "			
47	20	23	43	Per cent { Males: 53.25			
48	5	19	24	{ Females: 46.75			
49	2	14	16				
50	2	11	13				

<sup>1)</sup> In addition 2 sei-whales lost.

Table No. 6 (continued).

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
32	1	1	2	49	102	-	102
33	-	4	4	50	99	2	101
34	2	1	3	51	77	-	77
35	287	320	607	52	39	1	40
36	481	312	793	53	21	-	21
37	303	105	408	54	7	-	7
38	204	44	248	55	3	-	3
39	161	12	173	56	1	-	1
40	175	15	190				
41	139	2	141	Sum	2,899	837	<sup>1)</sup> 3,736
42	103	2	105				
43	159	9	168	Average size	{ Males: 40.97 feet Females: 36.18 „ Total animals: 39.90 „		
44	105	2	107	Per cent	{ Males: 77.60 Females: 22.40		
45	123	-	123				
46	96	1	97				
47	97	2	99				
48	114	2	116				

<sup>1)</sup> In addition 13 sperm-whales not measured.

## Right-whale.

Engl. feet.	Male.
41	1

## 22. Peru.

## Fin-whale.

Engl. feet.	Male.
58	1

## Humpback.

Engl. feet.	Female.
40	1

Table No. 6 (continued).

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
23	1	-	1	47	144	-	144
25	2	2	4	48	139	-	139
26	1	1	2	49	181	-	181
27	2	-	2	50	172	-	172
28	1	2	3	51	167	-	167
29	11	8	19	52	169	-	169
30	6	9	15	53	136	-	136
31	8	12	20	54	104	-	104
32	5	17	22	55	87	-	87
33	11	41	52	56	53	-	53
34	25	61	86	57	27	-	27
35	172	262	434	58	12	-	12
36	219	228	447	59	3	-	3
37	301	128	429	60	1	-	1
38	581	105	686	Sum	5,373	944	<sup>1)</sup> 6,317
39	530	56	586	Average size	{ Males: 42.87 feet Females: 35.75 " Total animals: 41.80 "		
40	516	11	527	Per cent	{ Males: 85.06 Females: 14.94		
41	392	1	393				
42	297	-	297				
43	264	-	264				
44	235	-	235				
45	204	-	204				
46	194	-	194				

<sup>1)</sup> In addition 25 sperm-whales lost and 8 sperm-whales and 1 sei-whale used as fenders and not worked up, and 4 blue-whales, 20 fin-whales, 22 humpbacks, and 15 sperm-whales' measurements not received.

## 23. Chile.

## Blue-whales.

50	1	-	1	77	1	5	6
51	1	-	1	78	1	2	3
52	1	-	1	79	1	3	4
65	-	1	1	80	-	3	3
66	-	2	2	81	1	1	2
67	1	-	1	82	-	4	4
68	1	-	1	Sum	41	36	77
69	2	-	2	Average size	{ Males: 72.07 feet Females: 76.25 " Total animals: 74.03 "		
70	1	-	1	Per cent	{ Males: 53.25 Females: 46.75		
71	3	1	4				
72	4	1	5				
73	5	-	5				
74	6	4	10				
75	2	2	4				
76	9	7	16				

Table No. 6 (continued).

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
50	1	1	2	67	2	1	3
51	5	7	12	68	2	—	2
52	5	7	12	69	1	1	2
53	11	14	25	70	2	—	2
54	19	17	36	71	3	1	4
55	7	8	15	72	—	1	1
56	19	27	46	77	—	1	1
57	11	17	28	Sum	133	146	279
58	5	10	15	Average size			{ Males: 57.78 feet
59	15	15	30				{ Females: 56.81 "
60	2	5	7				{ Total animals: 57.27 "
61	7	3	10	Per cent			{ Males: 47.67
62	7	4	11				{ Females: 52.33
63	1	1	2				
64	1	1	2				
65	2	1	3				
66	5	3	8				

## Humpbacks.

Engl. feet.	Number of		Total animals.	Average size	{ Males: 51.00 feet	
	males.	females.				{ Females: 45.00 "
35	—	1	1	Per cent	{ Males: 33.33	
51	1	—	1			{ Females: 66.67
55	—	1	1			
Sum	1	2	3			

## Sei-whales.

Engl. feet.	Males.
37	2

Table No. 6 (continued).

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	48	134	182	51	35	-	35
36	29	22	51	52	15	-	15
37	10	11	21	53	34	-	34
38	14	3	17	54	14	-	14
39	37	2	39	55	5	-	5
40	15	-	15	56	6	-	6
41	42	1	43	58	1	-	1
42	17	-	17				
43	46	2	48	Sum	558	175	733
44	20	-	20				
45	23	-	23	Average size	{ Males: 44.48 feet		
46	31	-	31		{ Females: 35.47 "		
47	33	-	33		{ Total animals: 42.33 "		
48	29	-	29	Per cent	{ Males: 76.13		
49	40	-	40		{ Females: 23.87		
50	14	-	14				

## 24. Australia.

## Humpbacks.

33	3	1	4	46	4	10	14
34	1	-	1	47	-	4	4
35	18	12	30	48	-	2	2
36	38	9	47	49	1	1	2
37	64	24	88	50	-	1	1
38	82	26	108	Sum	908	309	1) 1 217
39	132	28	160				
40	165	38	203	Average size	{ Males: 40.11 feet		
41	165	34	199		{ Females: 40.92 "		
42	114	34	148		{ Total animals: 40.31 "		
43	71	41	112	Per cent	{ Males: 74.61		
44	34	28	62		{ Females: 25.39		
45	16	16	32				

1) In addition 10 humpbacks lost, of which 3 measured.

## 25. New Zealand.

## Humpbacks.

34	1	-	1	47	1	-	1
35	6	2	8	48	-	-	-
36	7	1	8	49	-	-	-
37	3	1	4	50	-	1	1
38	7	2	9	Sum	72	39	111
39	5	8	13				
40	7	3	10	Average size	{ Males: 40.17 feet		
41	8	3	11		{ Females: 41.18 "		
42	9	5	14		{ Total animals: 40.52 "		
43	8	5	13	Per cent	{ Males: 64.86		
44	5	4	9		{ Females: 35.14		
45	3	3	6				
46	2	1	3				

**Table No. 7.—Average production of oil per “blue-whale unit”  
in the summer season 1951.**

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.
<i>Africa:—</i>			Barrels. <sup>1)</sup>	Barrels. <sup>1)</sup>
Natal .....	No. 1	497.9	48,702	97.8
Cape Province .....	” 1	159.9	10,405	65.1
French Congo .....	” 1	336.6	40,055	119.0
Spanish Morocco .....	<sup>2)</sup> ” 2	185.1	20,300	109.7
	” 1	26.7	1,589	59.5
Average		—	—	100.4
<i>Brazil .....</i>	No. 1	36.4	2,925	80.4
<i>Atlantic and Arctic:—</i>				
Spain .....	No. 1	19.2	1,136	59.2
Portugal .....	” 1	5.5	296	53.8
Norway .....	” 1	13.5	901	66.7
	” 2	70.3	4,329	61.6
	” 3	46.5	3,503	75.3
	” 4	38.0	2,312	60.8
Scotland .....	” 1	10.5	751	71.5
Faroe Islands .....	” 1	55.8	3,157	56.6
	” 2	52.1	2,940	56.4
Iceland .....	” 1	167.7	13,365	79.7
West Greenland .....	” 1	9.5	<sup>3)</sup> 220	23.2
Newfoundland .....	” 1	176.2	14,334	81.4
	” 2	106.6	7,555	70.9
	” 3	0.8	<sup>3)</sup> 60	75.0
Average		—	—	71.0
<i>Pacific North:—</i>				
California .....	No. 1	6.1	379	62.1
British Columbia .....	” 1	138.9	9,325	67.1
Kamchatka, pelagic .....	” 1	55.1	2,731	49.6
Kuril Islands .....	” 1	98.9	3,362	34.0
Japan .....	” 1	71.7	2,318	32.3
	” 2	104.0	3,247	31.2
	” 3	33.0	594	18.0
	” 4	8.5	200	23.5
	” 5	4.3	106	24.7
Bonin Island, pelagic .....	” 1	46.7	1,314	28.1
Average		—	—	41.6
<i>Peru .....</i>	No. 1	22.8	1,568	68.8
<i>Chile .....</i>	No. 1	214.6	9,784	45.6
	” 2	3.4	94	27.6
Average		—	—	45.3
<i>Australia .....</i>	No. 1	226.8	25,000	110.2
	” 2	258.8	31,090	120.1
Average		—	—	115.5
<i>New Zealand .....</i>	No. 1	44.4	4,482	100.9

<sup>1)</sup> Barrel = 170 kg. (Barrel = abt. 1/6 long ton, 1 long ton = 1,016 kg.) <sup>2)</sup> St. Thomé. <sup>3)</sup> Calculated



**Table No. 8.—Average production of oil per sperm-whale  
in the summer season 1951.**

Geographical areas.	Company.	Number of sperm-whales.	Oil production.	
			Total.	Per sperm-whale.
<i>Africa:—</i>				
Natal .....	No. 1	910	25,744	28.3
Cape Province .....	" 1	211	4,184	19.8
French Congo .....	" 1	94	1,832	19.5
	<sup>2)</sup> " 2	52	748	14.4
Spanish Morocco .....	" 1	52	1,177	22.6
	Average	—	—	25.5
<i>Atlantic and Arctic:—</i>				
Azores .....	No. 1	724	18,434	25.5
Madeira .....	" 1	182	3,603	19.8
Spain .....	" 1	35	627	17.9
Portugal .....	" 1	11	209	19.0
Norway .....	" 1	7	350	50.0
	" 2	3	141	47.0
	" 3	3	127	42.3
	" 4	63	3,116	49.5
Scotland .....	" 1	1	40	40.0
Faroe Islands .....	" 1	33	1,230	37.3
	" 2	37	1,626	43.9
Iceland .....	" 1	13	647	49.8
West Greenland .....	" 1	6	<sup>3)</sup> 130	21.7
Newfoundland .....	" 1	11	744	67.6
	" 2	1	55	55.0
	Average	—	—	27.5
<i>Pacific North:—</i>				
California .....	No. 1	26	979	37.7
British Columbia .....	" 1	153	5,108	33.4
Kamchatka, pelagic .....	" 1	765	29,919	39.1
Kuril Islands .....	" 1	1,462	36,700	25.1
Japan .....	" 1	601	10,276	17.1
	" 2	475	9,576	20.2
	" 3	83	1,094	13.2
	" 4	60	1,141	19.0
	" 5	64	1,059	16.5
Bonin Island, pelagic .....	" 1	60	1,968	32.8
	Average	—	—	26.1
<i>Peru .....</i>				
	No. 1	15	447	29.8
	" 2	3,059	103,834	33.9
	" 3	755	19,665	26.0
	" 4	942	24,500	26.0
	" 5	1,561	47,510	30.4
	Average	—	—	30.9
<i>Chile .....</i>				
	No. 1	611	15,305	25.0
	" 2	122	5,810	47.6
	Average	—	—	28.8

<sup>1)</sup> Barrel = 170 kg. (Barrel = abt.  $\frac{1}{16}$  long ton, 1 long ton = 1,016 kg.) <sup>2)</sup> St. Thomé. <sup>3)</sup> Calculated.

Table No. 9.—Whale foetuses measured in the summer season 1951.

## Blue-whale foetuses.

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
<i>Faroe Islands.</i>	1/8	82	12' 0"	F	<i>Japan.</i>	2/5	79	2' 6"	M
<i>Iceland.</i>	8/8	81	10' 0"	M	Average length of foetuses: 2' 0"	9/5	68	1' 6"	M
<i>Newfoundland.</i>	18/6	72	6' 0"	F	<i>Chile.</i>	10/2	80	16' 5"	F
Average length of foetuses: 5' 0"	21/7	82	4' 0"	F	Average length of foetuses: 15' 1"	7/4	73	16' 5"	M
<i>British Columbia.</i>	30/7	78	11' 0"	F			77	12' 6"	F
Average length of foetuses: 9' 8"	12/8	77	8' 3"	M					

## Fin-whale foetuses.

		Engl. ft.				Engl. ft.			
		Mother.	Foetus.			Mother.	Foetus.		
<i>Cape Province.</i>	29/6	71	3' 2"	M	<i>Faroe Islands</i>	10/6	68	7' 0"	F
Average length of foetuses: 3' 7"	1/7	72	12' 4"	M	(cont.).	18/6	68	8' 0"	M
	5/7	74	1' 6"	F		11/6	70	5' 0"	F
	1/9	77	0' 10"	M		19/6	64	4' 0"	F
	11/9	70	0' 3"	M		22/6	67	7' 0"	M
<i>Spanish Morocco.</i>	18/3	70	0' 4"	M		23/6	65	4' 0"	F
Average length of foetuses: 2' 0"	17/4	62	0' 5"	M		23/7	66	6' 0"	M
	19/4	59	0' 10"	M		23/7	63	4' 0"	M
	20/4	67	1' 0"	F		29/7	66	4' 6"	M
	4/5	66	6' 0"	F		4/9	69	17' 0"	M
	14/5	66	1' 5"	M		7/9	69	15' 0"	M
	6/6	62	4' 0"	F		6/10	69	16' 0"	F
<i>Norway.</i>	18/5	67	5' 0"	F	<i>Iceland.</i>	30/10	69	15' 0"	F
Average length of foetuses: 5' 3"	30/5	67	2' 0"	F	Average length of foetuses: 6' 2"	3/6	69	4' 0"	M
	6/6	70	6' 0"	M		4/6	66	5' 6"	F
	27/6	69	6' 0"	M		7/6	64	2' 6"	M
	1/7	66	7' 0"	M		7/6	66	3' 6"	F
	7/6	72				9/6	64	4' 0"	M
	23/6	71				9/6	69	4' 0"	M
	4/7	61	6' 0"	M		17/6	61	6' 0"	F
	11/7	66	2' 4"	M		17/6	66	6' 0"	M
	7/7	72	8' 0"	M		18/6	65	8' 0"	M
	13/7	70				18/6	65	2' 0"	F
	19/7	66	1' 0"	M		19/6	64	4' 6"	M
	24/7	69				25/6	60	6' 0"	M
	9/8	69	9' 6"			26/6	57	5' 0"	F
	3/9	65				28/6	64	7' 0"	M
						28/6	65	7' 0"	M
<i>Faroe Islands.</i>	1/6	66	4' 0"	F		1/7	69	4' 0"	M
Average length of foetuses: 7' 4"	4/6	69	4' 0"	F		4/7	61	7' 0"	M
	7/6	65	2' 0"	F		5/7	70	8' 0"	M
	8/6	67	4' 0"	F		10/7	67	6' 0"	F
						10/7	63	6' 0"	F

Table No. 9 (continued).

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.	
		Mother.	Foetus.				Mother.	Foetus.		
<i>Iceland</i> (cont.).	12/7	63	7' 0"	M	<i>Newfoundland</i> (cont.).	31/7	70	9' 0"	F	
	20/7	63	2' 0"	M		63	3' 0"	F		
	21/7	59	6' 0"	F		5/8	69	13' 7"	M	
	"	63	3' 0"	M		"	61	6' 0"	M	
	"	65	7' 0"	M		"	62	4' 0"	F	
	29/7	69	7' 0"	M		6/8	65	14' 0"	M	
	30/7	59	3' 0"	F		8/8	65	10' 9"	F	
	3/8	62	6' 0"	M		10/8	62	6' 6"	M	
	"	66	0' 6"	M		11/8	60	10' 4"	M	
	"	66	10' 0"	M		12/8	60	8' 9"	M	
	6/8	65	7' 0"	F		13/8	60	4' 7"	F	
	9/8	61	5' 0"	M		14/8	64	4' 6"	F	
	13/8	65	8' 0"	F		15/8	64	11' 0"	F	
	"	68	14' 0"	F		"	64	6' 8"	F	
	22/8	67	6' 0"	M		"	60	9' 6"	M	
	28/8	62	13' 0"	F		"	63	7' 0"	F	
	29/8	66	17' 0"	F		19/8	68	12' 0"	F	
	"	"	"	"		21/8	68	10' 0"	M	
	<i>West Greenland.</i> Average length of foetuses: 8' 0"	9/8	68	7' 0"		M	"	68	10' 6"	F
		10/8	65	9' 0"		F	"	68	7' 0"	M
"		"	"	"	23/8	61	4' 0"	F		
<i>Newfoundland.</i> Average length of foetuses: 7' 9"	20/6	62	2' 0"	F	24/8	66	12' 0"	M		
	21/6	62	4' 10"	M	27/8	63	10' 10"	F		
	30/6	67	7' 9"	M	28/8	61	8' 8"	M		
	2/7	66	8' 0"	M	"	64	5' 0"	M		
	4/7	61	6' 10"	F	"	63	5' 0"	F		
	5/7	57	4' 9"	M	30/8	61	8' 0"	F		
	"	62	8' 8"	F	31/8	68	5' 6"	M		
	7/7	62	5' 3"	M	1/9	64	11' 2"	M		
	"	64	9' 10"	F	2/9	64	10' 0"	F		
	8/7	68	2' 0"	F	4/9	61	4' 8"	F		
	9/7	62	4' 0"	F	"	70	15' 10"	M		
	10/7	53	5' 0"	F	5/9	60	3' 8"	F		
	13/7	66	9' 0"	M	"	60	11' 6"	M		
	14/7	69	3' 6"	M	"	64	9' 0"	M		
	"	68	2' 0"	M	"	67	10' 0"	F		
	15/7	67	7' 0"	M	12/9	64	15' 0"	F		
	"	57	4' 0"	M	"	66	13' 0"	F		
	16/7	62	2' 8"	F	13/9	63	8' 10"	M		
	"	61	3' 0"	F	15/9	61	10' 0"	M		
	17/7	62	5' 9"	F	"	60	14' 10"	M		
	"	63	5' 10"	M	16/9	65	5' 10"	F		
	"	61	3' 10"	M	"	62	13' 6"	M		
	18/7	68	7' 0"	M	"	64	12' 2"	F		
	19/7	62	7' 7"	F	"	61	14' 0"	M		
	"	65	4' 3"	M	20/9	51	13' 0"	M		
	"	60	6' 0"	M	"	61	10' 8"	F		
	20/7	65	7' 7"	F	"	62	3' 1"	M		
	"	68	4' 4"	F	24/9	71	12' 8"	M		
	"	62	4' 8"	F	28/9	60	5' 2"	F		
	23/7	65	4' 7"	F	29/9	70	14' 0"	M		
	24/7	65	4' 7"	F	3/10	65	13' 10"	F		
	"	61	4' 0"	F	4/10	65	10' 10"	M		
25/7	59	4' 2"	F	"	"	"	"			
"	61	8' 0"	F	"	"	"	"			

Table No. 9 (continued).

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
<i>British Columbia.</i>		Engl. ft.	Engl. ft.				Engl. ft.	Engl. ft.	
Average length of foetuses: 7' 8"	14/4	64	6' 3"	F	<i>British Columbia</i>	10/9	63	9' 6"	M
	15/4	57	8' 4"	F	(cont.)	"	64	15' 3"	M
	18/5	63	1' 2"	M		11/9	63	5' 4"	F
	18/5	64	7' 1"	F		13/9	61	5' 7"	M
	23/6	61	5' 8"	F		"	70	6' 3"	F
	15/7	64	5' 7"	M		18/9	64	15' 0"	M
	17/7	59	3' 5"	F		21/9	63	15' 0"	F
	22/7	59	5' 0"	M		24/9	64	9' 0"	M
	1/8	64	4' 10"	F					
	2/8	65	7' 6"	F					
	10/8	61	2' 3"	F	<i>Japan.</i>				
	16/8	60	2' 7"	M	Average length	22/5	64	0' 7"	
	4/9	68	10' 10"	M	of foetuses:	7/6	64	4' 7"	M
	5/9	64	10' 0"	M	7' 4"	27/7	67	6' 5"	M
	"	65	8' 0"	F		21/10	61	8' 8"	F
	"	66	14' 0"	M		"	64	16' 6"	M

## Humpback foetuses.

<i>Cape Province.</i>	13/6	46	16' 6"	F	<i>French Congo</i>	14/9	40	14' 0"	F
Average length of foetuses: 15' 2"	15/7	44	13' 9"	M	(cont.)	23/9	42	12' 0"	F
						6/10	45	17' 0"	F
						13/10	48	15' 0"	M
<i>French Congo.</i>					<i>West Greenland.</i>	10/9	50	4' 6"	M
Average length of foetuses: 13' 6"	26/6	43	{ 9' 0"	F	<i>Newfoundland.</i>				
	21/7	46	{ 12' 0"	F	Average length	30/6	47	11' 0"	M
	22/7	48	{ 17' 0"	F	of foetuses:	10/7	40	1' 1 1/2"	M
	28/7	49	{ 15' 0"	M	3' 8"	11/7	43	2' 1"	F
	5/8	48	{ 16' 0"	M		"	42	1' 3"	M
	8/8	51	{ 15' 0"	F		24/7	43	2' 8"	F
	9/8	48	{ 13' 0"	M					
	16/8	53	{ 12' 0"	M	<i>British Columbia.</i>				
	19/8	41	{ 15' 0"	M	Average length	20/7	45	2' 6"	M
	21/8	47	{ 6' 0"	F	of foetuses:	25/8	42	2' 7"	F
	"	48	{ 13' 0"	F	3' 10"	26/8	45	5' 5"	M
	20/8	46	{ 12' 0"	F		16/9	39	4' 9"	F
	23/8	50	{ 15' 0"	F	<i>Japan.</i>	8/5	48	0' 11"	M
	25/8	47	{ 15' 0"	M					
	"	46	{ 14' 0"	M	<i>Australia.</i>	16/7	46	14' 1"	F
	"	46	{ 15' 0"	M	Average length	19/7	41	13' 0"	M
	"	50	{ 12' 0"	M	of foetuses:	11/8	43	13' 0"	F
	26/8	46	{ 16' 0"	F	13' 3"	12/9	45	13' 6"	F
	"	45	{ 16' 0"	F		19/9	45	12' 6"	M
	28/8	48	{ 16' 0"	F					
	29/8	46	{ 16' 0"	F	<i>New Zealand.</i>	23/8	46	14' 0"	F
	31/8	48	{ 15' 0"	F	Average length	3/7	42	13' 0"	F
	"	46	{ 3' 0"	F	of foetuses:	14/7	43	14' 0"	M
	2/9	51	{ 14' 0"	M	13' 11"	26/7	44	14' 10"	M
	7/9	48	{ 13' 0"	F		4/8	39	14' 0"	M
	8/9	47	{ 13' 0"	F		7/8	45	13' 6"	M
	12/9	49	{ 14' 0"	F					
	13/9	52	{ 14' 0"	F					
			{ 12' 0"	F					

Table No. 9 (continued).

## Sei-whale foetuses.

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>Natal.</i>	21/5	47	7' 0"	M	<i>French Congo</i>	6/9	50	6' 0"	M
					(cont.)		49	7' 0"	F
<i>Cape Province.</i>						7/9	47	8' 0"	M
Average length	13/5	53	14' 0"	M		12/9	48	9' 0"	M
of foetuses:	1/6	43	2' 2"	F		16/9	52	5' 0"	M
2' 2"	1/8	53	0' 8"	M		17/9	46	15' 0"	M
	14/8	50	1' 6"	M		18/9	47	11' 0"	F
	2/9	55	0' 4"	M		19/9	47	8' 0"	M
	5/9	53	2' 3"	M		24/9	46	5' 0"	M
	12/9	50	0' 5"	F			48	4' 0"	F
	"	54	1' 5"	M		25/9	48	3' 0"	F
	"	54	1' 10"	M		"	47	4' 0"	F
	13/9	50	2' 4"	M		"	49	11' 0"	F
	"	52	2' 2"	F		27/9	51	5' 0"	F
	"	50	1' 6"	F		29/9	50	10' 0"	M
	"	53	0' 9"	F		"	45	10' 0"	F
	"	54	0' 10	F		2/10	45	4' 0"	F
	16/9	55	1' 8"	M		4/10	46	11' 0"	M
	"	51	3' 9"	F		"	49	5' 0"	M
	17/9	52	2' 3"	F		5/10	47	5' 0"	M
	18/9	52	2' 7"	M					
	"	51	1' 2"	M					
	"	51	3' 2"	F	<i>Spanish Morocco.</i>	26/3	49	1' 0"	M
	19/9	52	2' 3"	F	Average length	9/9	45	2' 0"	F
	"	50	0' 7"	F	of foetuses:	11/9	49	0' 4"	M
	20/9	49	2' 7"	M	1' 1"				
	"	53	4' 5"	M					
	23/9	55	2' 11"	F					
	"	56	1' 2"	F	<i>Norway.</i>	26/5	43	4' 0"	M
	3/10	50	2' 6"	M					
	"	52	2' 2"	M					
	4/10	50	1' 5"	M	<i>Faroe Islands.</i>				
	5/10	49	0' 10"	F	Average length	6/6	46	3' 0"	F
	6/10	54	1' 10"	M	of foetuses:	"	46	4' 0"	M
	"	55	1' 8"	F	5' 4"	"	43	5' 0"	F
	7/10	54	1' 3"	M		"	48	6' 0"	F
	10/10	52	0' 10"	F		7/6	46	6' 0"	F
	19/10	48	3' 2"	M		"	46	4' 0"	M
						19/6	46	6' 0"	F
<i>French Congo.</i>						21/6	47	5' 0"	F
Average length	14/7	48	6' 0"	M		24/6	45	5' 0"	M
of foetuses:	15/7	50	4' 0"	F		"	45	4' 0"	M
6' 8"	16/7	45	4' 0"	F		13/7	48	6' 0"	M
	"	47	9' 0"	M		29/8	45	10' 0"	F
	18/7	48	9' 0"	M					
	"	50	2' 0"	M	<i>Iceland.</i>	5/7	45	6' 0"	F
	16/8	48	7' 0"	M					
	17/8	50	9' 0"	F	<i>Newfoundland.</i>	4/10	46	10' 8"	M
	"	47	5' 0"	M					
	22/8	47	4' 0"	M	<i>Japan.</i>				
	23/8	51	5' 0"	F	Average length	23/6	44	4' 0"	M
	24/8	47	9' 0"	M	of foetuses:	13/8	46	6' 3"	M
	28/8	47	2' 0"	M	5' 3"	22/8	44	4' 8"	F
	"	48	1' 0"	M		30/9	44	11' 5"	F
	31/8	49	8' 0"	M		8/10	48	10' 0"	M
	5/9	46	11' 0"	M		31/10	51	13' 2"	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> Average length of foetuses: 4' 3"	1/5	41	2' 2"	F	<i>Bonin Island</i> (cont.).	26/5	44	3' 1"	M
			9' 0"	F			43	6' 10"	M
	2/5	42	9' 0"	F		27/5	44	6' 1"	F
			8' 3"	F			42	5' 9"	M
			5' 10"	F		28/5	44	4' 4"	M
		40	2' 4"	F			42	3' 1"	M
	3/5	43	3' 3"	M			44	1' 1"	F
	6/5	43	2' 3"	F			41	5' 10"	M
	7/5	42	4' 4"	F			41	0' 4"	F
		42	3' 4"	F		29/5	42	5' 6"	F
		44	4' 1"	F			43	4' 6"	M
		44	3' 10"	M			44	3' 6"	M
	8/5	46	1' 9"	M			42	6' 3"	F
	9/5	42	2' 6"	F			44	6' 2"	F
		43	2' 10"	F		30/5	43	2' 7"	F
	10/5	40	2' 8"	M			44	7' 8"	M
		42	3' 0"	F			45	2' 9"	M
		46	4' 3"	M			43	1' 5"	F
	15/5	44	3' 6"	F			42	2' 8"	M
	17/5	41	0' 3"	F		3/6	40	1' 5"	M
	20/5	44	6' 10"	F		4/6	43	5' 7"	M
		42	6' 0"	F			41	3' 0"	F
		41	3' 3"	M		6/6	44	5' 7"	M
		42	2' 1"	F			43	6' 7"	F
	21/5	43	2' 10"	M		7/6	42	5' 3"	F
		44	4' 7"	M			41	3' 5"	M
24/5	40	7' 6"	F		42	5' 7"	M		
25/5	42	2' 0"	F		42	5' 1"	M		
26/5	45	6' 8"	M						

## Sperm-whale foetuses.

<i>Natal.</i> Average length of foetuses: 3' 8"	4/2	34	11' 0"	F	<i>Cape Province</i> (cont.).	19/9	38	10' 3"	F	
	10/2	33	2' 0"	F		27/9	36	11' 2"	M	
	11/2	35	1' 6"	F		28/9	35	6' 8"	F	
	18/2	35	2' 0"	M						
		33	1' 0"	M		<i>French Congo.</i> Average length of foetuses: 10' 1"	24/8	27	9' 0"	M
	7/3	33	2' 9"	F			6/9	32	7' 0"	M
	11/3	32	0' 3"	F				35	12' 0"	F
	25/3	35	7' 0"	M			7/9	35	10' 0"	M
	6/4	33	2' 0"	M				33	9' 0"	M
	23/6	33	5' 0"	M			9/9	30	10' 0"	F
13/8	35	6' 0"	F	10/9	35		11' 0"	F		
					35		11' 0"	F		
					30		11' 0"	M		
					16/9		32	9' 0"	F	
<i>Cape Province.</i> Average length of foetuses: 7' 8"	17/5	39	12' 8"	F	22/9	35	10' 0"	M		
	25/5	37	5' 4"	M	25/9	35	10' 0"	F		
		36	4' 2"	F	19/10	35	12' 0"	F		
	20/6	37	8' 3"	F						
		36	7' 9"	M	<i>British Columbia.</i> Average length of foetuses: 7' 10"	7/5	37	8' 11"	M	
		38	7' 9"	F			33	6' 0"	F	
	22/6	39	5' 2"	F		9/5	37	8' 2"	M	
		39	4' 8"	F		11/5	38	8' 4"	F	
		35	6' 3"	M						
22/7	33	7' 4"	M							
7/8	33	7' 4"	M							
1/9	37	9' 7"	M							

Table No. 9 (continued).

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

Table No. 9 (continued).

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



Table No. 9 (continued)

## Bryde-whale foetuses.

Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.	
<i>Cape Province.</i>	16 <sub>5</sub>	47	1' 4"	F

