

DET NORSKE HVALRÅDS STATISTISKE PUBLIKASJONER

INTERNATIONAL  
WHALING STATISTICS

XXXV

EDITED BY  
THE COMMITTEE FOR WHALING STATISTICS



OSLO 1956

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## PREFACE

The present publication, International Whaling Statistics No. XXXV comprises the Antarctic whaling activity during the season 1953-54 and whaling operations on grounds outside the Antarctic in the calendar year 1954.

At the time of preparing the statistics the Committee had not yet received information about the catch and production from the two Peruvian companies "*Ballenera Paracas S. A.*" and "*Cia Maritima Pesquera S. A.*"

Further, statistical data relating to the size and sex of the whales killed have not been available from the following grounds and companies: *Azores, Madeira, "José Lopez Gutierrez", Spain, "Industrial Ballenera de Corcubion", Spain, "Consorcio Ballenero S.A.", Peru, "Olympic Whaling Company S.A." with floating factory "Olympic Challenger", Peru and "Cia. Chilena de Pesca y Comercio de Mc. Hnos", Chile* (sex not stated).

With these exceptions the statistics, to the best knowledge of the Committee, include all whaling operations carried on in 1954.

Just before this publication is going into print the Committee received the catch reports lacking from the above mentioned 2 Peruvian companies. These reports arrived, however, too late to be included in the introductory tables and in the main tables of this publication. They are only included in the table recording the total catch results outside the Antarctic and the world aggregate whaling results for 1953-54 on page 8 in the introduction.

The catch in 1954 from the 2 Peruvian shore stations with 4 catchers amounted to: 7 blue-whales, 27 fin-whales, 1 humpback, 2 sei-whales, and 961 sperm whales, yielding 5,874 barrels of whale- and sperm-oil. These figures will be included in volume No. XXXVII of the International Whaling Statistics.

Oslo, April 1956.

*Gunnar Jahn.*

*Birger Bergersen.*

*Einar Vangstein.*



## INTRODUCTION

The present publication comprises the world aggregate whaling results in 1954, i.e. the Antarctic operations for the season 1953-54 and the operations on grounds outside the Antarctic in the calendar year 1954. Specifications of the whaling results in the Antarctic during the season 1953-54 were given in International Whaling Statistics No. XXXIV, while the detailed results of whaling on grounds outside the Antarctic in 1954 are presented in this volume.

The following companies commenced whaling on grounds outside the Antarctic in 1954:

"*Taiyo Gyogyo Co. Ltd.*" with floating factory "Kinjyo Maru" off Kamtchatka,

"*Byron Whaling Co. Pty. Ltd.*" from shore station in Byron Bay, East Australia, and

"*Olympic Whaling Company, S. A.*" with floating factory "Olympic Challenger" off Peru.

On the other hand three companies, which carried on whaling in 1953 were not operating in 1954, viz.:

"*Saldanha Whaling Ltd.*", Saldanha Bay, Cape Province,

"*Soc. Industrial de Produtos da Pesca Ltda.*", Imbituba, Santa Catarina, Brazil, and

"*Roydur Tinganes*", Lopra, Faroe Islands.

In 1954 whaling was carried on from the following grounds outside the Antarctic:

*Africa*: Natal, Spanish Morocco.

*Brazil*: Paraiba.

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

*Pacific North*: British Columbia, Kamtchatka, Kuril Islands, Japan.

*Other Grounds*: Chile, Peru, Australia, New Zealand.

These grounds are the same as those operated in 1953 with the exception of Cape Province and Newfoundland. On the last mentioned ground, however, only one single fin-whale was killed in 1953, and in 1952 the result was only one fin-whale and one humpback.

From table *a*, page 11, it will be seen that on grounds outside the Antarctic the number of shore stations in activity in 1954 was reduced



to 44, from 50 during the previous season. On the other hand 4 floating factories and 137 catchers were employed in these waters in 1954 as against 2 floating factories and 130 catchers in 1953. In 1951, when the whaling outside the Antarctic reached its maximum in the post-war years, the whaling materiel in operation was 50 shore stations, 7 floating factories and 210 catchers.

In the survey below is recorded the number of whales killed on grounds outside the Antarctic during the period 1937/38–1953/54. Figures for the Antarctic are also included in order to give the total world whaling during this period.

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

<sup>1)</sup> Complete figures.

The figures for the season 1953–54 in this survey are complete. They include the catch results from the 2 Peruvian shore stations, lacking in the other tables of this volume (see preface).

During the season 1954 a total of 18,770 whales were killed on the grounds outside the Antarctic. This was the highest catch since 1951, when a maximum of 21,798 whales were killed in these waters. In both seasons the sperm-whale catch was exceptionally high—in 1951 13,296 animals, and in 1954 10,664 animals, or 61 per cent and 57 per cent respectively of the total baleen- and sperm-whale catch. Compared with the preceding season the total catch in 1954 increased by some 4,400 animals, of which about one thousand were baleen whales and about 3,400 sperm-whales. This great increase in the sperm-whale catch was a result of the activity off the coast of Peru by one floating factory with 12 catchers. In 1952 and 1953 no floating factory was operating off Peru.

On the Antarctic grounds the total catch in 1953-54 also increased by slightly more than 4,000 whales, the majority of these whales being, however, baleen whales, while only about 550 were sperm-whales.

In the annexed tables *j-y*, pages 20-28, particulars are given for a series of years in respect to the individual whaling grounds in each area outside the Antarctic. In the following the Committee will make a few comments on the whaling results from the more important grounds.

*North Atlantic and Arctic.* On the whaling grounds in the North Atlantic and Arctic the total catch during the 3 last seasons, 1952, 1953 and 1954 only amounted to 780, 924 and 788 whales respectively. In each of the preceding seasons 1948-51 the catch varied between 1,575 and 1,751 whales. The main reason for this decrease is the closing in 1952 of 2 shore stations, which had been operating off Newfoundland for a series of years, and also a strongly reduced catch from the Faroe Islands.

*Coast of Africa.* The whaling results on the coast of Africa have decreased considerably during the last seasons. In 1954 only a total of 1,088 whales were killed, against 1,708 in 1953, 2,945 in 1952 and 4,639 in 1951. In 1954 whaling in these waters was carried on only from the coast of Natal and the coast of Spanish Morocco. One single company with 12 catchers was operating off the coast of Natal. In 1953 and previous years this company carried on whaling from 2 shore stations. One of these shore stations has now been modernized and the other has been closed. The shore station at Saldanha Bay, Cape Province, which had been operating during all seasons from and including 1947, did not resume whaling in 1954. Off Spanish Morocco one shore station was operating in 1954 as in the previous years.

*Pacific North (excl. Japan, Kamtchatka and Kuril Islands).* In 1954 whaling was carried on from British Columbia only. One shore station, employing 6 catchers, killed a total of 630 whales.

*Japan and Korea.* During the postwar years no whaling has been carried on from Korea. On the coast of Japan 18 shore stations were operating in 1954, employing 25 catchers, i.e. the same number as during the previous seasons from and including 1946. In 1954 the number of whales killed increased by about 300 animals as compared with the preceding year. This increase was entirely due to a larger catch of sperm-whales. There was a decrease in the catch of blue- and fin-whales. This decrease, however, was compensated by a larger number of sei-whales killed.

*Kamtchatka.* During the seasons previous to 1952 only one single floating factory from U.S.S.R. was exploiting this ground. In 1952 and 1953 one Japanese floating factory also carried on whaling here, and in 1954 2 Japanese and one Sovjet-Russian floating factories were operating

with a total of 15 catchers. The catch in 1954 resulted in 3,329 whales killed as against 1,762 in 1953 and 1,325 in 1952. A quite considerable baleen whale catch was carried on in these waters during the season 1954. Compared with the previous season the number of blue-whales killed thus increased by 55 animals, the number of fin-whales by 939 and the number of humpbacks by 102 animals.

*Peru.* In 1954 one floating factory and 3 shore stations were operating. Reports have been received from the floating factory and from one of the shore stations.

*Australia.* As previously mentioned a new company commenced whaling in 1954 from a shore station in Byron Bay, East Australia. The company was allotted a quota of 120 humpbacks. Five shore stations in all were operating from Australia in 1954, and their total catch was 2,038 humpbacks and 1 blue-whale.

*New Zealand.* As in previous years one shore station with 3 catchers was operating also in 1954, and the catch consisted exclusively of humpbacks. 180 humpbacks were killed, the highest number ever recorded on the New Zealand ground.

Table *y*, page 28, shows the production of by-products on the individual grounds in and outside the Antarctic during the two last seasons 1952-53 and 1953-54.

The two principal by-products are whale meat and whale meal. During the season 1953-54 the total production of whale meat amounted to 70,592 tons, of which 34 792 tons were produced in the Antarctic and 35,800 tons on grounds outside the Antarctic. Of whale meal the total production amounted to 52,028 tons, of which 35,660 tons were produced in Antarctic, and 16,368 tons on other whaling grounds. Compared with the previous season 1952-53 there was a considerable increase in 1953-54 in the production of nearly all the by-products mentioned in the table.

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## Annex.

### Supplementary Tables to the Introduction.

**Table a.—Whaling material in operation in the years 1937/38—1953/54.**

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	38	11	155	3	9	93	35	2	62
1946-47	39	20	243	3	15	147	36	5	96
1947-48	51	21	309	3	17	183	48	4	126
1948-49	49	22	348	3	18	212	46	4	136
1949-50	49	22	382	3	18	237	46	4	145
1950-51	53	26	470	3	19	260	50	7	210
1951-52	50	24	432	3	20	289	47	4	143
1952-53	53	18	381	3	16	251	50	2	130
1953-54	47	21	364	3	17	227	44	4	137

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

**Table b.—Whales killed in the years 1937/38—1953/54, 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	3,763	370	54,902
1938-39.....	14,152	22,622	1,393	815	5,511	1,290	45,783
1939-40.....	11,560	19,722	454	538	4,671	764	37,709
1940-41.....	5,028	9,150	2,939	807	5,641	73	23,638
1941-42.....	81	2,169	306	373	4,957	128	8,014
1942-43.....	151	1,809	288	506	5,503	115	8,372
1943-44.....	353	2,204	282	939	2,614	3	6,445
1944-45.....	1,111	2,617	303	218	1,669	1	5,919
1945-46.....	3,675	10,984	495	747	3,461	22	19,384
1946-47.....	9,302	16,495	290	1,131	7,546	56	34,820
1947-48.....	7,157	24,028	515	1,573	9,850	308	43,431
1948-49.....	7,781	21,763	3,395	1,855	9,016	192	44,002
1949-50.....	6,313	22,902	5,063	2,471	8,186	125	45,060
1950-51.....	7,278	22,819	4,352	3,033	18,264	49	55,795
1951-52.....	5,436	25,605	4,023	3,123	11,557	88	49,832
1952-53.....	4,218	25,581	3,328	2,208	9,577	97	45,009
1953-54.....	3,002	31,308	3,154	2,489	12,582	109	52,644

<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—1953/54.

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	54,902	100	46,039	83.9	750	1.4	3,044	5.5	483	0.9	1,970	3.6	2,616	4.7
1938-39	45,783	100	38,356	83.8	802	1.7	2,687	5.9	232	0.5	2,280	5.0	1,426	3.1
1939-40	37,709	100	32,900	87.3	78	0.2	1,035	2.7	922	2.4	2,035	5.4	739	2.0
1943-44	6,445	100	1,799	27.9	411	6.4	819	12.7	5	0.1	2,169	33.6	1,242	19.3
1944-45	5,919	100	2,891	48.8	585	9.9	729	12.3	—	—	531	9.0	1,183	20.0
1945-46	19,384	100	13,387	69.1	1,145	5.9	984	5.1	113	0.6	1,750	9.0	2,005	10.3
1946-47	34,820	100	25,593	73.5	1,063	3.1	1,406	4.0	402	1.2	1,642	4.7	4,714	13.5
1947-48	43,431	100	31,318	72.1	1,693	3.9	2,308	5.3	492	1.1	1,590	3.7	6,030	13.9
1948-49	44,002	100	31,435	71.4	1,575	3.6	4,966	11.3	509	1.2	1,483	3.4	4,034	9.1
1949-50	45,060	100	32,396	71.9	1,698	3.8	4,122	9.1	620	1.4	1,701	3.8	4,523	10.0
1950-51	55,795	100	33,997	61.0	1,751	3.1	4,639	8.3	817	1.5	1,962	3.5	12,629	22.6
1951-52	49,832	100	35,237	70.7	780	1.6	2,945	5.9	895	1.8	1,998	4.0	7,977	16.0
1952-53	45,009	100	30,653	68.1	924	2.0	1,708	3.8	539	1.2	2,048	4.6	9,137	20.3
1953-54	52,644	100	34,872	66.2	788	1.5	1,088	2.1	630	1.2	2,354	4.5	12,912	24.5

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

\* Figures for the years 1940/41—1942/43 are omitted. Total number of whales killed 23,638, 8,014, and 8,372, respectively.

Table d.—Oil production in the years 1937/38—1953/54.

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
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	6,121	818,652	8,803	39,472	2,077	30,552	3,819
1946-47	2,186,749	8,999	1,939,742	13,196	35,757	1,703	47,677	2,649
1947-48	2,437,629	7,889	2,104,051	11,498	61,016	2,034	64,308	2,680
1948-49	2,596,131	7,460	2,219,621	10,470	58,840	1,961	185,003	4,512
1949-50	2,548,230	6,671	2,166,489	9,141	63,612	1,988	154,134	3,585
1950-51	2,957,872	6,293	2,303,690	8,860	63,975	1,882	154,736	3,439
1951-52	2,908,850	6,733	2,479,180	8,578	27,427	1,371	93,342	2,667
1952-53	2,568,751	6,742	2,118,097	8,439	29,911	1,300	53,831	2,447
1953-54	2,856,534	7,848	2,285,720	10,069	25,507	1,417	43,936	3,138
	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
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		77.9		2.2		5.2
1951-52		100.0		85.2		0.9		3.2
1952-53		100.0		82.5		1.2		2.1
1953-54		100.0		80.0		0.9		1.5

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

\* Figures for 1940/41—1942/43 are omitted. Total oil output 1,268,081, 213,948, and 212,307 barrels, respectively.

Table e.—Sperm-oil production in the years 1938/39—1953/54.<sup>1)</sup>

Grounds.	<sup>2)</sup> 1938-39	1947-48	1948-49	1949-50	1950-51	1951-52	1952-53	1953-54
	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels
South Georgia . . . . .	6,971	5,816	9,175	7,902	9,944	6,417	6,640	8,677
Antarctic, pelagic . . . . .	144,775	131,093	202,560	130,400	242,858	279,952	113,887	135,890
Africa:—								
Natal . . . . .	16,083	20,391	20,009	13,991	25,744	13,238	12,371	14,858
Cape Province . . . . .	—	2,999	4,380	3,300	4,184	8,715	6,794	—
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	434	216	625
Brazil:—								
Paraiba . . . . .	—	—	—	—	—	20	45	45
North Atlantic and Arctic:								
Azores . . . . .	6,920	15,488	9,991	9,949	16,199	16,167	12,661	16,761
Madeira . . . . .	—	4,096	1,989	387	3,594	3,971	3,079	2,479
Spain . . . . .	—	—	—	52	627	1,844	895	1,505
Portugal . . . . .	—	903	597	143	209	—	—	—
Norway . . . . .	737	2,766	1,043	3,846	3,734	2,537	2,343	4,776
Scotland . . . . .	—	—	—	—	40	—	—	—
Faroe Islands . . . . .	558	1,595	2,030	1,981	2,856	46	1,916	452
Iceland . . . . .	183	864	1,425	485	647	94	2,630	2,894
West Greenland . . . . .	—	—	88	108	<sup>4)</sup> 130	<sup>4)</sup> 161	112	224
Newfoundland . . . . .	840	757	3,377	1,758	799	—	—	—
Pacific North:—								
California . . . . .	—	1,221	920	—	979	—	—	—
British Columbia . . . . .	—	1,170	2,312	1,468	5,108	4,577	9,829	7,738
Alaska . . . . .	2,655	—	—	—	—	—	—	—
Pelagic whaling . . . . .	—	—	—	—	—	—	—	—
Kamtschatka . . . . .	7,904	23,975	30,651	24,706	29,919	26,305	35,316	50,811
Kuril Islands . . . . .	—	9,817	24,042	34,353	36,700	39,722	34,525	35,082
Japan . . . . .	10,961	11,054	10,060	22,512	23,146	20,804	23,722	26,568
Bonin Island, pelagic . . . . .	—	607	724	2,003	1,968	541	—	—
Peru . . . . .	—	88,205	—	—	195,956	725	<sup>5)</sup> 44,465	<sup>5)</sup> 98,294
Chile . . . . .	5,928	17,533	18,243	22,575	21,115	20,925	16,510	17,194
Total <sup>1)</sup>	205,806	341,685	344,718	284,555	630,213	447,195	327,956	424,873

<sup>1)</sup> During the years 1939/40—1946/47, for which figures are omitted in this table, the total sperm oil production was as follows: In 1939-40 167,599 barrels, 1940-41 156,913 barrels, 1941-42 106,693 barrels, 1942-43 122,660 barrels, 1943-44 60,357 barrels, 1944-45 46,682 barrels, in 1945-46 78,957 barrels, and in 1946-47 239,995 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. <sup>5)</sup> No information received from two companies. <sup>6)</sup> Production calculated on basis of the output of one company.

Table f.—Whaling results for the various countries 1937/38—1953/54. 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.....	54,902	1,062	—	19,542	338	208	5,839	147	7,552	—	<sup>2)</sup> 15,355	1,527	417	2,650	265	
1938-39.....	45,783	1,024	—	14,104	469	178	5,066	130	9,820	—	<sup>2)</sup> 11,871	907	400	1,338	476	
1939-40.....	37,709	705	—	13,207	78	—	—	—	9,698	—	11,040	1,421	552	1,008	—	
1944-45.....	5,919	1,296	—	1,229	495	—	—	—	531	—	1,787	—	581	—	—	
1945-46.....	19,384	1,082	—	6,682	598	175	—	—	1,863	—	7,687	—	831	—	466	
1946-47.....	34,820	857	25	14,736	851	284	—	—	3,181	770	12,857	—	835	38	386	
1947-48.....	<sup>3)</sup> 43,431	814	36	17,150	1,116	302	—	239	3,157	1,294	16,104	—	1,001	67	2,104	
1948-49.....	<sup>3)</sup> 44,002	919	38	14,811	991	335	—	324	3,331	1,366	16,570	1,356	656	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	
1951-52.....	<sup>3)</sup> 49,832	798	168	14,277	1,374	44	—	265	6,578	1,650	16,102	1,408	784	—	5,579	
1952-53.....	<sup>3)</sup> 45,009	678	175	13,772	1,198	190	—	332	5,394	1,575	11,620	2,365	637	—	5,605	
1953-54.....	<sup>3)</sup> 52,644	1,083	202	13,718	1,328	62	—	334	8,789	1,711	15,320	2,348	807	—	5,831	
<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	—	
1944-45.....	100.0	21.9	—	20.8	8.3	—	—	—	9.0	—	30.3	—	9.7	—	—	
1945-46.....	100.0	5.6	—	34.6	3.1	0.9	—	—	9.6	—	39.7	—	4.2	—	2.3	
1946-47.....	100.0	2.5	0.1	42.4	2.4	0.8	—	—	9.1	2.2	36.9	—	2.4	0.1	1.1	
1947-48.....	<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	
1951-52.....	<sup>3)</sup> 100.0	1.6	0.3	28.7	2.8	0.1	—	0.5	13.2	3.3	32.3	2.8	1.6	—	11.2	
1952-53.....	<sup>3)</sup> 100.0	1.5	0.4	30.6	2.7	0.4	—	0.7	12.0	3.5	25.8	5.2	1.4	—	12.5	
1953-54.....	<sup>3)</sup> 100.0	2.1	0.4	26.1	2.5	0.1	—	0.7	16.7	3.3	29.1	4.5	1.5	—	10.8	

<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 1937/38 2,158 whales, and in 1938/39 1,658 whales. <sup>3)</sup> In the total figures for the seasons 1947/48—1953/54 the whaling results for the following countries are included: For *France* in 1949/50—2,193 whales = 4.9 per cent of all whales killed, in 1950/51—4,079 whales = 7.3 per cent and in 1951/52—436 whales = 0.9 per cent; for *Peru* in 1950/51—61 whales = 0.1 per cent, in 1951/52—95 whales = 0.2 per cent, in 1952/53—1,340 whales = 3.0 per cent, and in 1953/54—829 whales = 1.6 per cent; for *Spain* in 1947/48—47 whales = 0.1 per cent, in 1948/49—134 whales = 0.3 per cent, in 1949/50—146 whales = 0.3 per cent, in 1950/51—236 whales = 0.4 per cent, in 1951/52—274 whales = 0.5 per cent, in 1952/53—128 whales = 0.3 per cent, and in 1953/54—282 whales = 0.6 per cent.

\* Figures for the years 1940/41-1943/44 are omitted. Total number of whales killed, in 1940-41 23,638, in 1941-42 8,014, in 1942-43 8,372, in 1943-44 6,445.

Table g.—Whaling results for the various countries 1937/38—1953/54. 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	—
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> 2,437,629	44,965	1,060	949,235	28,522	10,277	—	9,000	120,716	85,130	1,064,313	—	23,103	2,350	98,002
1948-49	<sup>4)</sup> 2,596,131	52,518	1,251	927,729	23,382	10,026	—	11,820	134,408	109,849	1,119,514	56,720	12,859	1,493	132,553
1949-50	<sup>4)</sup> 2,548,230	41,348	2,132	767,896	30,231	13,776	—	12,292	197,613	82,792	1,122,466	—	11,100	—	165,442
1950-51	<sup>4)</sup> 2,957,872	40,593	2,925	826,162	30,993	9,303	—	14,012	203,489	103,560	1,150,728	198,532	41,346	1,358	182,606
1951-52	<sup>4)</sup> 2,908,850	41,825	2,171	877,427	35,406	817	—	9,524	304,499	110,300	1,151,404	97,073	20,275	—	233,916
1952-53	<sup>4)</sup> 2,568,751	32,187	2,837	822,456	30,169	4,834	—	10,124	267,820	103,710	826,243	164,150	15,814	—	239,348
1953-54	<sup>4)</sup> 2,856,534	53,478	3,636	854,840	27,885	1,419	—	10,506	389,058	97,596	1,041,389	73,000	19,283	—	254,775
<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	—
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	44.1	—	0.4	—	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
1951-52	<sup>4)</sup> 100.0	1.4	0.1	30.2	1.2	—	—	0.3	10.5	3.8	39.6	3.3	0.7	—	8.0
1952-53	<sup>4)</sup> 100.0	1.3	0.1	32.0	1.2	0.2	—	0.4	10.4	4.0	32.2	6.4	0.6	—	9.3
1953-54	<sup>4)</sup> 100.0	1.9	0.1	29.9	1.0	0.1	—	0.4	13.6	3.4	36.5	2.5	0.7	—	8.9

<sup>1)</sup> Barrei = 170 kg. (Barrel = abt. 1/6 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 1937/38 180,750 barrels, and in 1938/39 118,383 barrels. <sup>4)</sup> In the total figures for the seasons 1947/48—1953/54 the whaling results for the following countries are included: For *France* in 1949/50—98,660 barrels of oil = 3.9 per cent of the total oil production, in 1950/51—145,721 barrels = 4.9 per cent, and in 1951/52—16,485 barrels = 0.6 per cent; for *Peru* in 1950/51—2,015 barrels = 0.1 per cent, in 1951/52—1,941 barrels = 0.1 per cent, in 1952/53—46,099 barrels = 1.8 per cent, and in 1953/54—25,294 barrels = 0.9 per cent; for *Spain* in 1947/48—956 barrels = 0 per cent, in 1948/49—2,009 barrels = 0.1 per cent, in 1949/50—2,482 barrels = 0.1 per cent, in 1950/51—4,529 barrels = 0.2 per cent, in 1951/52—5,787 barrels = 0.2 per cent, in 1952-53—2,960 barrels = 0.1 per cent, and in 1953/54—4,375 barrels = 0.1 per cent.

\* Figures for the years 1940/41-1943/44 are omitted. Total oil production in 1940-41 1,268,081 barrels, in 1941-42 213,948 barrels, in 1942-43 212,307 barrels, in 1943-44 224,207 barrels.



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

Years *	British Commonwealth	Of which					
		United Kingdom	Union of South Africa	New-foundland	Canada	New Zealand	Australia
1938-39.....	14,104	9,625	4,398	-	-	81	-
1939-40.....	13,207	9,953	2,925	-	220	109	-
1944-45.....	1,229	216	729	177	-	107	-
1945-46.....	6,682	5,409	984	179	-	110	-
1946-47.....	14,736	10,494	3,972	157	-	111	2
1947-48.....	17,150	11,410	5,115	347	182	92	4
1948-49.....	14,811	9,280	4,749	193	255	141	193
1949-50.....	12,782	8,151	3,695	155	314	79	388
1950-51.....	13,921	6,626	5,314	209	437	111	1,224
1951-52.....	14,277	6,938	4,946	19	465	122	1,787
1952-53.....	13,772	6,964	4,137	22	539	109	2,001
1953-54.....	13,718	7,620	3,249	-	630	180	2,039
<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	-
1944-45.....	20.8	3.7	12.3	3.0	-	1.8	-
1945-46.....	34.6	28.0	5.1	0.9	-	0.6	-
1946-47.....	42.4	30.2	11.4	0.5	-	0.3	-
1947-48.....	39.5	26.3	11.8	0.8	0.4	0.2	-
1948-49.....	33.7	21.2	10.8	0.4	0.6	0.3	0.4
1949-50.....	28.4	18.1	8.2	0.3	0.7	0.2	0.9
1950-51.....	25.0	11.9	9.5	0.4	0.8	0.2	2.2
1951-52.....	28.7	14.0	9.9	-	0.9	0.3	3.6
1952-53.....	30.6	15.5	9.2	-	1.2	0.2	4.5
1953-54.....	26.1	14.5	6.2	-	1.2	0.3	3.9

**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	-
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	6,800	-	3,825	40
1947-48.....	949,235	685,650	242,187	11,790	5,679	3,864	65
1948-49.....	927,729	673,387	226,419	8,506	7,841	5,838	5,738
1949-50.....	767,896	534,629	198,978	5,353	9,598	2,844	16,494
1950-51.....	826,162	490,199	250,946	10,012	14,433	4,482	56,090
1951-52.....	877,427	500,254	261,998	2,325	16,220	4,800	91,830
1952-53.....	822,456	491,012	203,749	2,689	18,255	4,560	102,191
1953-54.....	854,840	537,774	190,224	-	17,507	8,820	100,515
<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	-
1944-45.....	13.3	2.5	7.6	1.7	-	1.5	-
1945-46.....	32.4	28.0	3.2	0.8	-	0.4	-
1946-47.....	41.2	29.2	11.5	0.3	-	0.2	-
1947-48.....	38.9	28.1	9.9	0.5	0.2	0.2	-
1948-49.....	35.7	26.0	8.7	0.3	0.3	0.2	0.2
1949-50.....	30.1	21.0	7.8	0.2	0.4	0.1	0.6
1950-51.....	27.9	16.6	8.5	0.3	0.5	0.1	1.9
1951-52.....	30.2	17.2	9.0	0.1	0.5	0.2	3.2
1952-53.....	32.0	19.1	7.9	0.1	0.7	0.2	4.0
1953-54.....	29.9	18.8	6.7	-	0.6	0.3	3.5

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

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

**Table i.—Average size of whales killed in the different grounds in the years 1938, 1939, and 1949 to 1954.**

Species of whales and whaling grounds.	1954	1953	1952	1951	1950	1949	1939	1938
<b>Blue-whales.</b>	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
Antarctic:—								
South Georgia . . . . .	73.31	74.00	72.00	76.90	74.29	76.29	75.81	70.89
Pelagic whaling . . . . .	77.97	77.53	78.03	78.28	79.03	79.06	78.11	78.42
Africa:—								
Natal . . . . .	70.30	70.40	69.13	69.70	68.89	70.29	—	67.00
Cape Province . . . . .	—	66.25	73.00	76.00	69.25	68.00	—	—
Madagascar . . . . .	—	—	—	—	75.00	60.00	—	—
Spanish Morocco . . . . .	64.80	—	—	—	—	—	—	—
North Atlantic and Arctic:								
Portugal . . . . .	—	—	—	59.00	—	—	—	—
Norway . . . . .	71.50	67.29	73.00	69.25	68.67	71.75	—	—
Scotland . . . . .	—	—	—	75.25	71.50	—	—	—
Faroe Islands . . . . .	—	70.00	—	68.11	69.33	74.21	—	68.00
Iceland . . . . .	71.11	66.80	71.14	68.91	72.36	67.50	—	—
West Greenland . . . . .	—	75.00	—	—	—	74.00	—	—
Newfoundland . . . . .	—	—	—	72.88	71.00	73.47	—	—
Pacific North:—								
British Columbia . . . . .	74.18	69.88	72.31	71.78	72.50	77.50	—	—
Kamtchatka . . . . .	76.73	75.84	76.95	74.14	77.40	76.33	—	—
Kuril Islands . . . . .	74.39	73.80	74.18	69.22	74.50	—	—	—
Japan . . . . .	73.81	70.36	71.48	70.85	73.86	70.79	—	—
Bonin Island . . . . .	—	—	—	—	—	—	—	—
Peru . . . . .	—	—	—	—	—	—	—	—
Chile . . . . .	75.10	74.11	58.00	74.03	74.27	74.50	—	—
Australia . . . . .	67.00	—	—	—	—	—	—	—
<b>Fin-whales.</b>								
Antarctic:—								
South Georgia . . . . .	64.04	65.43	65.97	65.98	65.23	65.56	65.37	64.52
Pelagic whaling . . . . .	67.09	67.27	67.86	66.71	67.46	67.93	67.21	67.86
Africa:—								
Natal . . . . .	61.37	60.62	62.25	60.50	61.08	61.36	—	60.14
Cape Province . . . . .	—	60.05	60.33	59.84	58.82	59.52	—	—
Madagascar . . . . .	—	—	—	—	66.70	—	—	—
French Congo <sup>1)</sup> . . . . .	—	—	—	60.25	—	—	—	—
Spanish Morocco . . . . .	57.50	61.22	61.92	62.25	61.34	—	—	—
North Atlantic and Arctic:								
Spain . . . . .	—	58.72	—	—	61.58	—	—	—
Portugal . . . . .	—	—	—	54.33	62.32	—	—	—
Norway . . . . .	59.20	59.48	58.62	60.08	59.45	60.08	—	—
Scotland . . . . .	—	—	—	59.17	63.52	—	—	—
Faroe Islands . . . . .	58.00	59.90	56.67	61.40	60.53	60.43	} 60.62	62.08
Iceland . . . . .	58.56	57.30	58.53	59.99	60.13	61.78		
West Greenland . . . . .	59.77	60.73	58.56	61.27	59.03	58.05		
Newfoundland . . . . .	—	57.00	63.00	58.61	59.33	59.89		
Pacific North:—								
California . . . . .	—	—	—	63.00	—	63.90	—	—
British Columbia . . . . .	57.19	58.57	57.65	58.06	57.89	59.66	—	—
Kamtchatka . . . . .	61.74	61.56	61.34	61.30	59.78	61.08	—	—
Kuril Islands . . . . .	60.06	60.66	60.16	61.11	62.43	60.06	—	—
Japan . . . . .	56.47	56.91	57.66	56.52	57.81	56.83	—	—
Bonin Island . . . . .	—	—	—	—	—	—	—	—
Peru . . . . .	—	—	—	58.00	—	—	—	—
Chile . . . . .	57.23	55.87	56.25	57.27	56.19	56.38	—	—
Australia . . . . .	—	63.00	—	—	—	—	—	—

<sup>1)</sup> Incl. St. Thomé.

Table i (cont.).

Species of whales and whaling grounds.	1954	1953	1952	1951	1950	1949	1939	1938
	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
<b>Humpbacks.</b>								
Antarctic:—								
South Georgia . . . . .	39.36	40.11	39.80	40.13	40.04	40.17	—	41.53
Pelagic whaling . . . . .	40.34	40.94	40.42	40.79	40.63	41.85	39.64	41.07
Africa:—								
Natal . . . . .	37.41	37.82	38.32	37.62	38.07	37.89	—	36.41
Cape Province . . . . .	—	41.0)	40.33	36.78	43.29	44.00	—	—
Madagascar . . . . .	—	—	—	—	40.45	40.39	—	—
French Congo <sup>1)</sup> . . . . .	—	—	39.88	41.26	41.01	43.22	—	—
Brazil:—								
Paraiba . . . . .	40.39	39.50	41.56	44.43	—	—	—	—
Santa Catarina . . . . .	—	—	39.00	—	—	—	—	—
North Atlantic and Arctic:								
Norway . . . . .	39.83	43.75	39.50	42.00	39.38	43.00	—	—
Faroe Islands . . . . .	—	39.00	—	—	44.00	49.00	—	—
Iceland . . . . .	44.00	38.50	—	44.00	—	42.50	—	—
West Greenland . . . . .	—	37.00	—	46.00	43.67	42.50	—	—
Newfoundland . . . . .	—	—	39.00	38.66	39.81	42.00	—	—
Pacific North:—								
California . . . . .	—	—	—	43.00	—	42.55	—	—
British Columbia . . . . .	39.68	39.26	40.41	39.00	39.55	39.75	—	—
Kamtschatka . . . . .	40.69	41.02	40.49	35.00	38.00	—	—	—
Kuril Islands . . . . .	41.25	42.83	39.89	45.88	—	43.29	—	—
Japan . . . . .	39.63	41.13	37.67	40.00	41.40	—	—	—
Bonin Island . . . . .	—	—	43.00	—	44.33	40.50	—	—
Peru . . . . .	—	—	—	40.00	—	—	—	—
Chile . . . . .	—	44.00	45.00	47.00	44.80	46.00	—	—
Australia . . . . .	39.90	40.01	40.35	40.31	40.47	40.63	—	—
New Zealand . . . . .	40.28	41.32	40.33	40.52	40.86	40.88	—	—
<b>Sei-whales.</b>								
Antarctic:—								
South Georgia . . . . .	49.25	50.11	50.49	50.31	50.01	49.93	50.89	49.94
Pelagic whaling . . . . .	49.20	51.62	51.00	49.82	51.13	50.69	51.67	51.00
Africa:—								
Natal . . . . .	43.94	43.21	43.14	44.02	44.40	42.59	—	—
Cape Province . . . . .	—	44.42	45.22	46.94	46.33	45.93	—	—
Madagascar . . . . .	—	—	—	—	42.33	—	—	—
French Congo <sup>1)</sup> . . . . .	—	—	43.89	44.97	—	—	—	—
Spanish Morocco . . . . .	51.29	50.22	49.83	45.85	50.50	—	—	—
Brazil:—								
Paraiba . . . . .	50.68	49.69	45.01	49.91	—	—	—	—
Santa Catarina . . . . .	—	—	39.25	—	—	—	—	—
North Atlantic and Arctic:								
Spain . . . . .	—	41.33	—	—	50.63	—	—	—
Norway . . . . .	44.65	40.63	43.50	43.45	45.00	44.67	—	—
Scotland . . . . .	—	—	—	47.67	—	—	—	—
Faroe Islands . . . . .	43.33	40.78	35.00	45.13	45.00	43.86	—	—
Iceland . . . . .	42.27	43.49	44.20	46.00	—	43.83	—	—
West Greenland . . . . .	—	—	—	—	—	—	—	—
Newfoundland . . . . .	—	—	—	44.31	48.44	46.78	—	—
Pacific North:—								
California . . . . .	—	—	—	—	—	—	—	—
British Columbia . . . . .	43.84	46.29	44.91	45.40	44.83	41.33	—	—
Kamtschatka . . . . .	47.34	47.75	46.70	49.94	49.57	45.33	—	—
Kuril Islands . . . . .	48.09	46.11	45.45	48.00	49.51	45.68	—	—
Japan . . . . .	42.55	43.10	43.35	43.23	43.52	42.31	—	—
Bonin Island . . . . .	—	—	41.89	42.00	42.19	41.97	—	—
Chile . . . . .	45.50	44.63	—	37.00	—	—	—	—
New Zealand . . . . .	—	—	47.00	—	—	—	—	—

<sup>1)</sup> Incl. St. Thomé.

Table i (cont.).

Species of whales and whaling grounds.	1954	1953	1952	1951	1950	1949	1939	1938
	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
<b><u>Sperm-whales.</u></b>								
Antarctic:—								
South Georgia .....	46.97	46.72	48.12	46.88	48.60	46.01	50.33	50.53
Pelagic whaling .....	49.20	49.90	49.93	50.18	50.13	51.08	52.86	53.27
Africa:—								
Natal .....	43.57	42.72	43.03	39.04	41.43	39.38	—	42.12
Cape Province .....	—	39.19	39.41	39.39	41.16	41.47	—	—
Madagascar .....	—	—	—	—	39.51	35.00	—	—
French Congo <sup>1)</sup> .....	—	—	—	36.24	—	—	—	—
Spanish Morocco .....	35.12	35.69	31.18	38.58	43.92	—	—	—
Brazil:—								
Paraiba .....	49.00	54.00	45.00	—	—	—	—	—
North Atlantic and Arctic:								
Spain .....	—	38.32	—	—	50.67	—	—	—
Portugal .....	—	—	—	37.64	34.40	—	—	—
Norway .....	49.63	49.73	47.35	49.49	48.42	49.15	—	—
Scotland .....	—	—	—	47.00	—	—	—	—
Faroe Islands .....	49.45	46.27	51.00	48.56	48.65	45.49	} 51.70	53.15
Iceland .....	48.70	48.98	50.50	50.77	48.73	48.54		
West Greenland .....	50.11	48.50	54.60	50.33	50.40	48.33		
Newfoundland .....	—	—	—	51.67	50.62	53.17		
Pacific North:—								
California .....	—	—	—	43.31	—	42.93	—	—
British Columbia .....	42.61	42.96	42.61	41.16	44.18	42.35	—	—
Kamtschatka .....	45.58	44.20	43.80	43.36	43.07	43.89	—	—
Kurul Islands .....	40.33	38.71	38.21	39.37	39.95	41.07	—	—
Japan .....	37.43	37.88	38.55	37.93	38.62	39.98	—	—
Bonin Island .....	—	—	45.67	46.03	42.94	42.64	—	—
Peru .....	—	—	—	41.80	—	—	—	—
Chile .....	38.46	39.98	49.91	42.33	43.10	38.62	—	—

<sup>1)</sup> Incl. St. Thomé.

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

Grounds.	Years.	Species of whales caught.							Oil production.	Expeditions.			
		Blue.	Fin.	Hump-back.	Sel.	Sperm.	Others.	Total of whales.		Shore stations.	Float-ing factories.	Catch-ers.	
<i>North Atlantic and Arctic. Total</i>	1937	57	1,330	25	173	289	<sup>1)</sup> 36	1,910	69,144	9	2	36	
	1938	15	565	2	105	36	<sup>2)</sup> 27	750	22,097	7	—	22	
	1939	26	665	9	59	40	<sup>3)</sup> 3	802	26,066	7	—	21	
	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>2)</sup> 49	1,693	61,016	10	—	30	
	1949	79	1,259	17	62	157	<sup>4)</sup> 1	1,575	58,840	9	—	30	
	1950	54	1,422	29	21	170	<sup>4)</sup> 2	1,698	63,612	10	—	32	
	1951	52	1,300	40	181	178	—	1,751	63,975	11	—	34	
	1952	15	635	3	51	59	<sup>5)</sup> 17	780	27,427	7	—	20	
	1953	15	585	8	145	148	<sup>6)</sup> 23	924	29,911	8	—	23	
	1954	11	486	7	116	168	—	788	25,507	6	—	18	
	<i>Norway.</i>	1937	9	223	—	55	20	<sup>2)</sup> 35	342	9,467	4	—	12
1938		4	261	—	94	9	<sup>2)</sup> 27	395	11,076	4	—	12	
1939		4	282	1	46	14	<sup>3)</sup> 3	350	11,155	3	—	9	
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>4)</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	
1952		1	374	2	24	51	—	452	14,761	4	—	11	
1953		7	275	4	48	44	<sup>5)</sup> 2	380	12,264	4	—	11	
1954	2	270	6	20	94	—	392	13,582	4	—	11		
<i>Scotland.</i>	1950	2	33	—	—	—	—	35	1,057	1	—	1	
	1951	4	13	—	3	1	—	21	791	1	—	1	
<i>Faeroe 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	5,197	2	—	6	
	1946	5	94	1	1	14	—	115	3,981	2	—	3	
	1947	3	196	—	2	15	—	216	6,286	2	—	4	
	1948	3	223	—	15	30	—	271	10,277	2	—	5	
	1949	10	222	1	21	53	—	307	9,541	2	—	7	
	1950	6	377	1	2	46	—	432	13,232	2	—	6	
	1951	9	156	—	126	70	—	361	8,953	2	—	6	
	1952	—	20	—	2	1	—	23	522	1	—	2	
	1953	2	87	1	27	52	—	169	4,557	2	—	5	
	1954	—	17	—	3	11	—	31	942	1	—	2	
	<i>Iceland.</i>	1937	1	56	1	—	21	—	79	2,862	1	—	2
1938		9	113	—	5	20	—	147	4,920	1	—	3	
1939		13	109	1	3	4	—	130	3,764	1	—	3	
1948		24	195	—	5	15	—	239	9,000	1	—	4	
1949		33	249	2	12	28	—	324	11,820	1	—	4	
1950		28	226	—	—	11	—	265	12,292	1	—	4	
1951		11	312	1	2	13	—	339	14,012	1	—	4	
1952		14	224	—	25	2	—	265	9,524	1	—	4	
1953		5	207	2	70	48	—	332	10,124	1	—	4	
1954		9	177	1	93	54	—	334	10,506	1	—	4	

<sup>1)</sup> Different kinds of small whales and 1 right-whale. <sup>2)</sup> Different kinds of small whales. <sup>3)</sup> 2 Minke-whales and 1 bottlenose. <sup>4)</sup> Bottlenose. <sup>5)</sup> Minke-whales. <sup>6)</sup> 22 Minke-whales and 1 bottlenose. <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>Arctic, pelagic.</i>	1937	28	461	7	100	218	-	814	Barrels. 32,375	-	2	11	
<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	
	1952	-	16	-	-	5	-	21	<sup>2)</sup> 295	-	-	1	
	1953	1	15	1	-	4	-	21	277	-	-	1	
	1954	-	22	-	-	9	-	31	477	-	-	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	
	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	
	1952	-	1	1	-	-	<sup>5)</sup> 17	19	2,325	1	-	2	
	1953	-	1	-	-	-	<sup>6)</sup> 21	22	2,689	1	-	2	
	1954	-	-	-	-	-	-	-	-	-	-	-	

<sup>1)</sup> Bottlenoses. <sup>2)</sup> Calculated. <sup>3)</sup> Right-whale. <sup>4)</sup> Different kinds of small whales. <sup>5)</sup> Minke-whales.  
<sup>6)</sup> 20 Minke-whales and 1 bottlenose.

Table k.—Azores.

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.
								Barrels.			
1937	-	-	-	-	417	-	417	-	-	-	-
1938	-	-	-	-	417	-	417	7,284	-	-	-
1939	-	-	-	-	400	-	400	6,920	-	-	-
1940	-	-	-	-	552	-	552	10,047	-	-	-
1941	-	-	-	-	425	-	425	8,358	-	-	-
1942	-	-	-	-	525	-	525	12,562	-	-	-
1943	-	-	-	-	663	-	663	11,681	-	-	-
1944	-	-	-	-	591	-	591	7,103	-	-	-
1945	-	-	-	-	443	-	443	8,465	-	-	-
1946	-	-	-	-	592	-	592	11,917	-	-	-
1947	-	-	-	-	565	-	565	12,974	-	-	-
1948	-	-	-	-	698	-	698	15,488	-	-	-
1949	-	-	-	-	484	-	484	9,991	-	-	-
1950	-	-	-	-	390	-	390	9,949	-	-	-
1951	-	-	-	-	724	-	724	16,199	-	-	-
1952	-	-	-	-	618	-	618	16,167	-	-	-
1953	-	-	-	-	528	-	528	12,661	-	-	-
1954	-	-	-	-	683	-	683	16,761	-	-	-

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

Table I.—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.
								Barrels.			
1941	—	—	—	—	76	—	76	699	—	—	—
1942	—	—	—	—	23	—	23	508	—	—	—
1943	—	—	—	—	133	—	133	2,199	—	—	—
1944	—	—	—	—	75	—	75	<sup>2)</sup> 1,500	—	—	—
1945	—	—	—	—	91	—	91	2,250	—	—	—
1946	—	—	—	—	166	—	166	2,565	—	—	—
1947	—	—	—	—	109	—	109	2,585	—	—	—
1948	—	—	—	—	162	—	162	4,096	—	—	—
1949	—	—	—	—	135	—	135	1,989	—	—	—
1950	—	—	—	—	14	—	14	387	—	—	—
1951	—	—	—	—	182	—	182	3,594	—	—	—
1952	—	6	—	—	160	—	166	4,108	—	—	—
1953	—	2	—	—	107	—	109	3,153	—	—	—
1954	—	2	—	—	122	—	124	2,522	—	—	—

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

Table m.—Spain.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
1950	—	19	—	8	3	—	30	688	1	—	2
1951	—	27	—	34	35	—	96	1,763	1	—	2
1952	—	74	—	—	94	<sup>1)</sup> 49	217	4,966	2	—	6
1953	—	18	—	12	38	<sup>1)</sup> 29	97	2,423	2	—	5
1954	—	30	—	—	105	<sup>1)</sup> 82	217	3,392	2	—	5

<sup>1)</sup> Baleen whales. No specification.

Table n.—Portugal.

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

<sup>1)</sup> Calculated. <sup>2)</sup> Minke-whale.

Table o.—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	2,637	106,793	2	1	21	
	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	
	1952	19	766	391	1,043	726	-	2,945	93,342	4	1	35	
1953	9	576	98	400	618	<sup>1)</sup> 7	1,708	53,831	4	-	22		
1954	15	527	27	78	441	-	1,088	43,936	2	-	14		
<i>Natal.</i>	1937	67	755	240	64	503	-	1,629	67,979	2	-	16	
	1938	39	536	175	64	425	-	1,239	54,352	2	-	16	
	1939	27	502	200	42	615	-	1,386	51,529	2	-	16	
	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	
	1952	8	451	111	155	356	-	1,081	45,161	2	-	14	
1953	5	441	89	96	353	-	984	39,313	2	-	14		
1954	10	515	27	71	400	-	1,023	42,953	1	-	12		
<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	
	1952	11	303	15	711	331	-	1,371	30,875	1	-	12	
	1953	4	126	9	295	252	<sup>1)</sup> 7	693	13,981	1	-	6	
<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	
	1952	-	-	265	171	-	-	436	16,485	-	1	7	
<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	
	1952	-	12	-	6	39	-	57	821	1	-	2	
	1953	-	9	-	9	13	-	31	537	1	-	2	
	1954	5	12	-	7	41	-	65	983	1	-	2	

<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> In 1951 St. Thomé included.



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

Grounds.	Years.	Species of whales caught.							Oil production.	Expeditions.			
		Blue.	Fin.	Hump-back.	Sci.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.	
<i>Pacific North. Total.</i>	1937	54	228	114	13	321	—	730	33,389	4	1	14	
	1938	37	115	16	—	315	—	483	22,891	3	—	11	
	1939	5	93	85	—	49	—	232	9,424	2	—	5	
	1940	36	388	129	3	307	1) 59	922	39,801	2	1	8	
	1941	41	441	49	7	390	2) 3	931	38,135	3	1	15	
	1946	—	—	12	29	72	—	113	3) 118	—	1	2	
	1947	4	17	14	161	206	—	402	2,137	1	3	6	
	1948	1	59	134	107	191	—	492	8,815	2	2	11	
	1949	2	115	91	119	182	—	509	10,202	2	1	9	
	1950	4	150	95	267	103	4) 1	620	12,345	1	1	8	
	1951	9	225	55	285	239	4	817	19,073	2	1	11	
	1952	16	240	62	433	144	—	895	19,002	1	1	10	
	1953	8	181	47	14	275	6) 14	539	18,255	1	—	5	
	1954	11	150	106	134	226	4) 3	630	17,507	1	—	6	
	<i>California.</i>	1937	8	14	3	12	—	—	37	1,002	—	1	2
1938		—	—	—	—	—	—	—	—	—	—	—	
1939		—	2	59	—	—	—	61	1,837	1	—	2	
1940		—	6	19	—	4	—	29	1,607	1	—	1	
1941		—	7	16	—	1	—	24	683	1	—	2	
1947		—	17	13	3	5	—	38	1,365	1	—	2	
1948		—	19	16	—	32	—	67	2,350	1	—	2	
1949		—	10	11	—	28	—	49	1,493	1	—	2	
1950		—	—	—	—	—	—	—	—	—	—	—	
1951		—	9	4	—	26	4) 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	
	1948	—	37	115	2	28	—	182	5,679	1	—	4	
	1949	2	105	76	3	69	—	255	7,841	1	—	3	
	1950	4	150	95	24	40	4) 1	314	9,598	1	—	4	
	1951	9	216	51	5	153	5) 3	437	14,433	1	—	6	
	1952	16	240	61	22	126	—	465	16,220	1	—	5	
	1953	8	181	47	14	275	6) 14	539	18,255	1	—	5	
1954	11	150	106	134	226	4) 3	630	17,507	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	1) 59	673	29,494	—	1	4	
	1941	40	367	6	7	156	2) 3	579	23,822	—	1	7	
<i>Bonin Island, pelagic.</i>	1946	—	—	12	29	72	—	113	3) 118	—	1	2	
	1947	4	—	1	158	201	—	364	3) 772	—	3	4	
	1948	1	3	3	105	131	—	243	3) 786	—	2	5	
	1949	—	—	4	116	85	—	205	3) 868	—	1	4	
	1950	—	—	—	243	63	—	306	2,747	—	1	4	
	1951	—	—	—	280	60	—	340	3,282	—	1	3	
1952	—	—	1	411	18	—	430	2,782	—	1	5		

1) No specification. 2) Right-whales. 3) The whale is mainly used for human food. 4) Bottlenose.  
5) 1 right-whale, 1 Calif. grey-whale, 1 bottlenose. 6) 10 grey-whales and 4 bottlenoses.

Table q.—Japan and Korea.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
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	23	—	25
1947	30	257	8	383	964	—	1,642	<sup>7)</sup> 6,177	19	—	25
1948	49	176	8	533	823	<sup>5)</sup> 1	1,590	<sup>7)</sup> 15,018	20	—	25
1949	14	209	—	759	501	—	1,483	<sup>7)</sup> 14,179	17	—	25
1950	7	141	5	299	1,249	—	1,701	26,112	16	—	25
1951	47	209	4	419	1,283	—	1,962	29,611	17	—	25
1952	27	231	3	666	1,071	—	1,998	28,635	18	—	25
1953	22	246	9	585	1,186	—	2,048	31,362	18	—	25
19 54	16	197	8	646	1,487	—	2,354	33,163	18	—	25

<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 r.—Kamtchatka.

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 <sup>5)</sup>	—	—	—	—	—	—	—	—	—	—	—
1941	9	254	7	11	194	<sup>6)</sup> 68	543	18,235	—	1	3
1942	2	203	12	—	215	<sup>7)</sup> 122	554	14,500	—	1	3
1943	—	132	29	—	216	<sup>8)</sup> 101	478	15,941	—	1	3
1944 <sup>5)</sup>	—	—	—	—	—	—	—	—	—	—	—
1945 <sup>5)</sup>	—	—	—	—	—	—	—	—	—	—	—
1946	2	117	9	—	316	<sup>9)</sup> 22	466	16,141	—	1	3
1947 <sup>5)</sup>	—	—	—	—	—	—	—	—	—	—	—
1948	3	229	8	3	574	<sup>10)</sup> 3	820	28,383	—	1	4
1949	3	64	—	21	774	<sup>11)</sup> 6	868	33,045	—	1	4
1950	5	92	4	7	587	<sup>12)</sup> 4	699	27,046	—	1	4
1951	7	90	1	16	765	<sup>13)</sup> 5	884	32,650	—	1	5
1952	62	447	54	27	731	<sup>14)</sup> 4	1,325	48,417	—	2	9
1953	102	615	53	124	865	<sup>15)</sup> 3	1,762	70,616	—	2	9
1954	157	1,554	157	151	1,307	<sup>16)</sup> 3	3,329	139,482	—	3	15

<sup>1)</sup> 11 grey-whales and 1 right-whale. <sup>2)</sup> Calculated. <sup>3)</sup> Grey-whales. <sup>4)</sup> 29 grey-whales and 12 without specification. <sup>5)</sup> No returns. <sup>6)</sup> 2 Minke-whales, 57 grey-whales, 5 bottlenoses, and 4 dolphins. <sup>7)</sup> 3 Minke-whales, 101 grey-whales, 7 bottlenoses, and 11 dolphins. <sup>8)</sup> 99 grey-whales, 1 bottlenose, and 1 dolphin. <sup>9)</sup> No specification. <sup>10)</sup> 2 bottlenoses and 1 whale-killer. <sup>11)</sup> 2 Minke-whales and 4 whale-killers. <sup>12)</sup> 1 Minke-whale and 3 bottlenoses. <sup>13)</sup> 2 Minke-whales and 3 bottlenoses. <sup>14)</sup> 2 Minke-whales and 2 bottlenoses. <sup>15)</sup> Bottlenoses. <sup>16)</sup> 1 Minke-whale and 2 bottlenoses.

Table s.—Kuril Islands.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
1948	—	26	5	36	390	<sup>1)</sup> 3	460	11,219	5	—	10
1949	—	53	7	60	986	<sup>2)</sup> 41	1,147	26,173	5	—	10
1950	2	106	18	49	1,471	<sup>3)</sup> 12	1,658	35,003	5	—	12
1951	9	156	8	52	1,462	<sup>4)</sup> 12	1,699	40,062	5	—	13
1952	17	241	9	188	1,641	<sup>5)</sup> 9	2,105	51,458	5	—	12
1953	10	179	6	86	1,521	<sup>6)</sup> 16	1,818	42,586	5	—	13
1954	23	266	8	126	1,192	<sup>7)</sup> 18	1,633	49,394	5	—	13

<sup>1)</sup> 1 Minke-whale and 2 whale-killers. <sup>2)</sup> 6 Minke-whales, 11 bottlenoses, and 24 whale-killers. <sup>3)</sup> 3 Minke-whales and 9 bottlenoses. <sup>4)</sup> 7 Minke-whales and 5 bottlenoses. <sup>5)</sup> 3 Minke-whales and 6 bottlenoses. <sup>6)</sup> 8 Minke-whales and 8 bottlenoses. <sup>7)</sup> 8 Minke-whales and 10 bottlenoses.

Table t.—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
1952	—	—	10	157	1	—	168	2,171	2	—	2
1953	—	—	8	161	1	<sup>3)</sup> 5	175	2,837	2	—	2
1954	—	—	18	183	1	—	202	3,636	1	—	2

<sup>1)</sup> No specification. <sup>2)</sup> 1 Minke-whale, 4 not specified. <sup>3)</sup> Right-whales.

Table u.—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> —	<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
1952	143	424	7	10	790	—	1,374	35,406	2	—	10
1953	172	283	21	24	698	—	1,198	30,169	2	—	8
1954	70	434	—	26	798	—	1,328	27,885	2	—	12

<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 v.—Peru.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1937	67	97	9	3	3,776	—	3,952	95,831	—	3	22
1938	—	—	—	—	602	—	602	12,869	—	1	8
—	—	—	—	—	—	—	—	—	—	—	—
1941	—	—	—	—	1,914	—	1,914	41,359	—	1	8
1942	—	—	—	—	3,346	—	3,346	64,500	—	1	8
1943	—	—	—	—	3,299	—	3,299	72,000	—	1	8
—	—	—	—	—	—	—	—	—	—	—	—
1947	—	1	2	—	2,887	—	2,890	105,986	—	2	15
1948	1	2	—	1	2,497	—	2,501	88,205	—	1	7
—	—	—	—	—	—	—	—	—	—	—	—
1951	4	21	23	1	6,365	—	6,414	197,524	1	4	51
1952	7	14	20	17	37	—	95	1,941	1	—	1
1953	10	28	6	36	1,260	—	1,340	1)46,099	3	—	6
1954 <sup>2)</sup>	1	3	—	—	3,173	—	3,177	98,294	1	1	15

<sup>1)</sup> Production calculated on basis of the output of one of the companies. <sup>2)</sup> No information received from two stations.

Table w.—Australia.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1937	—	1	3,242	—	3	—	3,246	131,763	—	2	14
1938	—	—	917	—	—	—	917	42,550	—	1	6
—	—	—	—	—	—	—	—	—	—	—	—
1947	—	—	2	—	—	—	2	40	1	—	1
1948	—	—	4	—	—	—	4	65	1	—	1
1949	—	—	193	—	—	—	193	5,738	2	—	2
1950	—	—	388	—	—	—	388	16,494	2	—	4
1951	—	—	1,224	—	—	—	1,224	56,090	2	—	6
1952	—	—	1,787	—	—	—	1,787	91,830	4	—	10
1953	—	1	2,000	—	—	—	2,001	102,191	4	—	9
1954	1	—	2,038	—	—	—	2,039	100,515	5	—	9

Table x.—New Zealand.

								Barrels.			
1937	1	—	55	—	—	—	56	1,673	1	—	3
1938	1	—	75	—	1	—	77	2,391	1	—	3
1939	1	—	80	—	—	—	81	2,689	1	—	—
1940	—	—	107	—	2	—	109	3,909	1	—	—
1941	—	—	86	—	—	—	86	3,084	1	—	—
1942	—	—	71	—	—	—	71	2,988	1	—	—
1943	—	—	90	—	—	—	90	3,765	1	—	—
1944	—	—	88	—	—	—	88	2,630	1	—	—
1945	—	—	107	—	—	—	107	4,482	1	—	—
1946	—	—	110	—	—	—	110	4,184	1	—	—
1947	1	—	101	—	9	—	111	3,825	1	—	—
1948	—	—	92	—	—	—	92	3,864	1	—	3
1949	—	—	141	—	—	—	141	5,838	1	—	3
1950	—	—	79	—	—	—	79	2,844	1	—	3
1951	—	—	111	—	—	—	111	4,482	1	—	3
1952	—	—	121	1	—	—	122	4,800	1	—	3
1953	—	—	109	—	—	—	109	4,560	1	—	3
1954	—	—	180	—	—	—	180	8,820	1	—	3

**Table y.—Production of by-products in the Antarctic and on other whaling grounds 1945/46—1953/54.**

Years Grounds	By-products Whale meat-meal, bone-meal, grax-meal, guano, dehydrated whale meat	Whale liver or liver flakes	Liver- oil, vitamin oil	Liver- meal	Meat extract, liver extract	Whalemeat, blubber, ventral grooves	Whale solubles	Other by- products
1945-46..... Total	19,606	601	6	38	—	22,771	—	2,616
1946-47..... "	26,575	714	81	380	104	47,286	—	4,192
1947-48..... "	35,933	1,022	112	495	138	54,134	—	5,446
1948-49..... "	37,591	1,291	166	596	88	62,534	670	6,178
1949-50..... "	40,934	822	250	573	97	61,608	3,009	7,181
1950-51..... "	45,461	843	264	622	44	45,052	7,865	8,274
1951-52..... "	43,552	999	195	435	53	54,609	9,050	4,967
<i>1952-53.</i>								
Antarctic.....	25,584	601	155	456	134	28,581	5,390	57
Africa:—								
Natal.....	3,801	—	—	—	—	—	—	—
Cape Province...	1,126	—	—	—	34	—	—	10
Spanish Morocco.	16	—	—	—	—	27	—	—
Brazil:—								
Paraiba.....	340	—	—	—	—	—	—	—
North Atl. and Arctic								
Spain.....	68	—	—	—	—	85	—	—
Norway.....	783	37	—	—	—	1,534	—	7
Faroe Islands...	197	—	—	—	—	552	—	6
Iceland.....	596	45	—	—	—	1,771	—	—
Newfoundland...	540	—	—	—	—	—	—	—
Pacific North:—								
British Columbia	1,786	— <sup>1)</sup>	—	—	—	609	3,211	—
Kamchatka.....	—	502	—	—	—	7,074	—	171
Kuril Islands....	—	195	—	—	—	512	—	589
Japan.....	3,833	—	—	—	—	13,854	—	2,084
Chile.....	523	—	31	70	—	101	—	—
Peru.....	361	—	—	—	—	3	—	—
Australia.....	4,942	—	—	—	—	—	1,809	—
New Zealand.....	90	—	—	—	—	—	—	—
Total	44,586	1,380	186	526	168	54,703	10,410	2,924
<i>1953-54.</i>								
Antarctic.....	35,660	185	199	385	286	34,792	9,885	1,786
Africa:—								
Natal.....	2,507	—	—	—	—	—	—	—
Spanish Morocco.	48	—	—	—	—	44	—	—
Brazil:—								
Paraiba.....	477	—	—	—	—	—	—	—
North Atl. and Arctic								
Madeira.....	104	—	—	—	—	—	—	—
Spain.....	45	—	—	—	—	116	—	—
Norway.....	735	39	—	—	—	1,812	—	9
Faroe Islands...	39	—	—	—	—	151	—	1
Iceland.....	868	36	—	—	—	1,503	—	—
Pacific North:—								
British Columbia.	2,235	— <sup>2)</sup>	—	—	—	904	1,952	—
Kamchatka.....	—	618	48	—	—	15,232	—	586
Kuril Islands....	—	189	—	—	—	1,028	—	383
Japan.....	3,605	—	—	—	—	14,163	—	2,143
Chile.....	490	—	—	80	—	110	—	—
Australia.....	5,065	—	—	—	—	337	1,425	83
New Zealand.....	150	—	—	—	—	400	—	—
Total	52,028	1,067	247	465	286	70,592	13,262	4,991

<sup>1)</sup> In addition 969,190 M.U. Vitamin A (liver oil) were produced. <sup>2)</sup> In addition 657,455 M.U. Vitamin A (liver oil) were produced.

# TABLES

Antarctic season 1953/54  
and summer season 1954



Table No. 1.—Whaling in 1953/54 and summer 1954.

Geographical areas.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
South Georgia . . . .	13	2,673	11	778	179	—	3,654	Barrels <sup>1)</sup> 184,836	3	—	21
Antarctic, pelagic whaling . . . . .	2,684	24,986	594	251	2,700	<sup>2)</sup> 3	31,218	2,100,884	—	17	206
Africa:—											
Natal . . . . .	10	515	27	71	400	—	1,023	42,953	1	—	12
Spanish Morocco.	5	12	—	7	41	—	65	983	1	—	2
Brazil:—											
Paraiba . . . . .	—	—	18	183	1	—	202	3,636	1	—	2
North Atlantic and Arctic:—											
Azores . . . . .	—	—	—	—	683	—	683	16,761	—	—	—
Madeira . . . . .	—	2	—	—	122	—	124	2,522	—	—	—
Spain . . . . .	—	30	—	—	105	<sup>3)</sup> 82	217	3,392	2	—	5
Norway . . . . .	2	270	6	20	94	—	392	13,582	4	—	11
Faroe Islands . . .	—	17	—	3	11	—	31	942	1	—	2
Iceland . . . . .	9	177	1	93	54	—	334	10,506	1	—	4
West Greenland .	—	22	—	—	9	—	31	477	—	—	1
Pacific North:—											
British Columbia	11	150	106	134	226	<sup>4)</sup> 3	630	17,507	1	—	6
Kamtechatka, pelagic whaling	157	1,554	157	151	1,307	<sup>5)</sup> 3	3,329	139,482	—	3	15
Kurul Islands . . .	23	266	8	126	1,192	<sup>6)</sup> 18	1,633	49,394	5	—	13
Japan . . . . .	16	197	8	645	1,487	—	2,354	33,163	18	—	25
Peru <sup>7)</sup> . . . . .	1	3	—	—	3,173	—	3,177	98,294	1	1	15
Chile . . . . .	70	434	—	26	798	—	1,328	27,885	2	—	12
Australia . . . . .	1	—	2,038	—	—	—	2,039	100,515	5	—	9
New Zealand . . . .	—	—	180	—	—	—	180	8,820	1	—	3
<b>Total</b>	<b>3,002</b>	<b>31,308</b>	<b>3,154</b>	<b>2,489</b>	<b>12,582</b>	<b>109</b>	<b>52,644</b>	<b>2,856,534</b>	<b>47</b>	<b>21</b>	<b>364</b>

<sup>1)</sup> Barrel = 170 kg. (Barrel = abt.  $\frac{1}{16}$  long ton, 1 long ton = 1,016 kg.) <sup>2)</sup> Minke-whales <sup>3)</sup> Baleen whales, not specified. <sup>4)</sup> Bottlenoses. <sup>5)</sup> 1 Minke-whale and 2 bottlenoses. <sup>6)</sup> 9 Minke-whales and 9 bottlenoses. <sup>7)</sup> No information received from two companies.

Table No. 2.—Norwegian whaling in 1953/54 and summer 1954.

Geographical areas.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels			
South Georgia . . . .	3	949	4	263	77	—	1,296	64,722	1	—	7
Antarctic, pelagic . .	1,120	11,755	15	102	640	—	13,632	963,085	—	9	100
Norway . . . . .	2	270	6	20	94	—	392	13,582	4	—	11
<b>Total</b>	<b>1,125</b>	<b>12,974</b>	<b>25</b>	<b>385</b>	<b>811</b>	<b>—</b>	<b>15,320</b>	<b>1,041,389</b>	<b>5</b>	<b>9</b>	<b>118</b>



**Table No. 3.—Whaling of United Kingdom in 1953/54 and summer 1954.**

Geographical areas.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sci.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels			
South Georgia . . . . .	1	958	7	245	64	—	1,275	66,636	1	—	7
Antarctic, pelagic . .	668	4,643	16	70	948	—	6,345	471,138	—	3	40
Total	669	5,601	23	315	1,012	—	7,620	537,774	1	3	47

**Table No. 4.—Whaling results for the various countries in 1953/54 and summer 1954.**

Countries.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sci.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels			
Norway . . . . .	1,125	12,974	25	385	811	—	15,320	1,041,389	5	9	118
British Commonwealth . . . . .	1,039	7,983	2,378	520	1,795	<sup>1)</sup> 3	13,718	854,840	9	4	90
United Kingdom . . . . .	669	5,601	23	315	1,012	—	7,620	537,774	1	3	47
Union of South Africa . . . . .	358	2,232	31	71	557	—	3,249	190,224	1	1	25
Australia . . . . .	1	—	2,038	—	—	—	2,039	100,515	5	—	9
Canada . . . . .	11	150	106	134	226	<sup>1)</sup> 3	630	17,507	1	—	6
New Zealand . . . . .	—	—	180	—	—	—	180	8,820	1	—	3
Japan . . . . .	361	4,785	294	776	2,573	—	8,789	389,058	18	4	61
U.S.S.R. . . . .	171	3,029	179	226	2,202	<sup>2)</sup> 24	5,831	254,775	5	2	33
Netherlands . . . . .	212	1,074	259	—	166	—	1,711	97,596	—	1	12
Panama . . . . .	—	—	—	—	2,348	—	2,348	73,000	—	1	12
Argentina . . . . .	9	766	—	270	38	—	1,083	53,478	1	—	7
Chile . . . . .	70	434	—	26	798	—	1,328	27,885	2	—	12
Peru <sup>3)</sup> . . . . .	1	3	—	—	825	—	829	25,294	1	—	3
Portugal . . . . .	—	2	—	—	805	—	807	19,283	—	—	—
Iceland . . . . .	9	177	1	93	54	—	334	10,506	1	—	4
Spain . . . . .	5	42	—	7	146	<sup>4)</sup> 82	282	4,375	3	—	7
Brazil . . . . .	—	—	18	183	1	—	202	3,636	1	—	2
Denmark . . . . .	—	39	—	3	20	—	62	1,419	1	—	3
Total	3,002	31,308	3,154	2,489	12,582	109	52,644	2,856,534	47	21	364

<sup>1)</sup> Bottlenoses. <sup>2)</sup> 13 Minke-whales and 11 bottlenoses. <sup>3)</sup> No information received from two companies. <sup>4)</sup> Baleen whales, not specified.

**Table No. 5.—Average size of whales caught in the summer season 1954.**

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
<b>A. Blue-whales.</b>				
<i>Africa:—</i>				
Natal.....	—	71.20	69.40	70.30
Males 5 } Total 10.				
Females 5 }				
Spanish Morocco.....	—	63.00	66.00	64.80
Males 2 } Total 5.				
Females 3 }				
Africa, total.....	—	68.86	68.13	68.47
Males 7 } Total 15.				
Females 8 }				
<i>North Atlantic and Arctic:—</i>				
Norway.....	No. 1	75.00	—	75.00
Males 2.	" 2	68.00	—	68.00
Average		71.50	—	71.50
Iceland.....	—	71.75	70.60	71.11
Males 4 } Total 9.				
Females 5 }				
North Atlantic and Arctic, total	—	71.67	70.60	71.18
Males 6 } Total 11.				
Females 5 }				
<i>Pacific North:—</i>				
British Columbia.....	—	74.40	74.00	74.18
Males 5 } Total 11.				
Females 6 }				
Kamtschatka, pelagic.....	No. 1	73.80	75.00	74.00
Males 109 } Total 157.	" 2	76.16	77.33	76.55
Females 48 }	" 3	76.44	78.41	77.06
Average		76.15	78.06	76.73
Kuril Islands.....	—	73.25	75.64	74.39
Males 12 } Total 23.				
Females 11 }				
Japan.....	No. 1	70.50	74.00	72.25
Males 6 } Total 16.	" 2	71.00	75.63	74.36
Females 10 }	" 3	74.00	—	74.00
Average		71.33	75.30	73.81
Pacific North, total.....	—	75.60	77.01	76.11
Males 132 } Total 207.				
Females 75 }				
<i>Chile</i> .....	—	73.86	76.11	75.10
Males 22 } Total 49.				
Females 27 }				
<i>Australia</i> .....	—	—	67.00	67.00
Female 1.				

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
<b>B. Fin-whales.</b>				
<i>Africa:—</i>				
Natal .....	—	60.94	61.87	61.37
Males 276 } Total 515.				
Females 239 }				
Spanish Morocco .....	—	59.17	55.83	57.50
Males 6 } Total 12.				
Females 6 }				
Africa, total .....	—	60.90	61.72	61.28
Males 282 } Total 527.				
Females 245 }				
<i>North Atlantic and Arctic:—</i>				
Norway .....	No. 1	57.63	59.75	58.63
Males 138 } Total 266.	" 2	60.50	57.20	58.14
Females 128 }	" 3	58.47	58.86	58.65
	" 4	60.47	62.11	61.26
	Average	58.57	59.88	59.20
Faroe Islands .....	—	58.17	57.91	58.00
Males 6 } Total 17.				
Females 11 }				
Iceland .....	—	57.71	59.10	58.56
Males 69 } Total 177.				
Females 108 }				
West Greenland .....	—	58.71	63.40	59.77
Males 17 } Total 22.				
Females 5 }				
North Atlantic and Arctic, total	--	58.31	59.53	58.95
Males 230 } Total 482.				
Females 252 }				
<i>Pacific North:—</i>				
British Columbia .....	—	55.71	59.34	57.19
Males 89 } Total 150.				
Females 61 }				
Kamtchatka, pelagic .....	No. 1	59.43	61.82	60.67
Males 791 } Total 1,554.	" 2	60.72	63.17	61.89
Females 763 }	" 3	60.49	63.58	62.07
	Average	60.48	63.05	61.74
Kuril Islands .....	—	58.90	61.50	60.06
Males 145 } Total 262.				
Females 117 }				

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
Japan .....	No. 1	Engl. feet. 55.92	Engl. feet. 56.89	Engl. feet. 56.39
Males 98 } Total 197.	" 2	56.16	56.97	56.56
Females 99 }	" 3	55.56	56.44	56.15
	" 4	53.54	64.50	57.00
	" 5	56.33	56.20	56.25
Average		55.67	57.26	56.47
Pacific North, total.....	—	59.48	62.11	60.74
Males 1,123 } Total 2,163.				
Females 1,040 }				
Chile.....	—	57.21	57.25	57.23
Males 195 } Total 397.				
Females 202 }				
<b>C. Humpbacks.</b>				
<i>Africa:—</i>				
Natal.....	--	36.85	37.93	37.41
Males 13 } Total 27.				
Females 14 }				
Brazil .....	—	38.57	41.55	40.39
Males 7 } Total 18.				
Females 11 }				
<i>North Atlantic and Arctic:—</i>				
Norway .....	--	39.83	--	39.83
Males 6.				
Iceland .....	—	44.00	—	44.00
Male 1.				
North Atlantic and Arctic, total	—	40.43	—	40.43
Males 7.				
<i>Pacific North:—</i>				
British Columbia.....	—	39.26	40.27	39.68
Males 62 } Total 106.				
Females 44 }				
Kamtschatka, pelagic.....	No. 1	36.44	40.75	38.90
Males 62 } Total 157.	" 2	40.67	43.50	41.38
Females 95 }	" 3	39.10	41.85	40.91
Average		39.02	41.78	40.69
Kuril Islands.....	—	40.25	42.25	41.25
Males 4 } Total 8.				
Females 4 }				
Japan .....	No. 1	—	39.25	39.25
Males 3 } Total 8.	" 2	40.00	—	40.00
Females 5 }	" 3	—	35.00	35.00
	" 4	42.50	—	42.50
Average		41.67	38.40	39.63

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
Pacific North, total.....	—	39.23	41.23	40.29
Males 131 } Total 279.				
Females 148 }				
<i>Australia</i> .....	No. 1	38.63	40.76	39.51
Males 1,200 } Total 2,027.	2	40.37	41.90	40.74
Females 827 }	3	38.96	40.21	39.63
	4	40.19	40.61	40.31
	5	39.49	41.34	40.31
Average		39.43	40.59	39.90
<i>New Zealand</i> .....	—	39.86	40.83	40.28
Males 103 } Total 180.				
Females 77 }				
<b><u>D Sei-whales.</u></b>				
<i>Africa</i> :—				
Natal .....	—	43.50	44.27	43.94
Males 30 } Total 71.				
Females 41 }				
Spanish Morocco.....	—	51.80	50.00	51.29
Males 5 } Total 7.				
Females 2 }				
Africa, total.....	—	44.69	44.54	44.60
Males 35 } Total 78.				
Females 43 }				
<i>Brazil</i> .....	—	48.91	52.21	50.68
Males 85 } Total 183.				
Females 98 }				
<i>North Atlantic and Arctic</i> :—				
Norway .....	No. 1	45.00	43.71	44.44
Males 12 } Total 20.	2	44.67	48.00	45.50
Females 8 }				
Average		44.92	44.25	44.65
Faroe Islands .....	—	41.00	44.50	43.33
Male 1 } Total 3.				
Females 2 }				
Iceland .....	—	41.76	42.62	42.27
Males 38 } Total 93.				
Females 55 }				
North Atlantic and Arctic, total	—	42.49	42.88	42.71
Males 51 } Total 116.				
Females 65 }				
<i>Pacific North</i> :—				
British Columbia .....	—	43.61	44.13	43.84
Males 74 } Total 134.				
Females 60 }				

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
Kamtschatka, pelagic .....	No. 1	48.83	48.60	48.73
Males 89 } Total 151.	" 2	46.09	48.42	47.28
Females 62 }	" 3	46.37	48.25	47.01
Average		46.63	48.37	47.34
Kuril Islands .....	—	48.00	48.22	48.09
Males 74 } Total 124.				
Females 50 }				
Japan .....	No. 1	41.87	43.15	42.45
Males 345 } Total 644.	" 2	41.94	43.12	42.47
Females 299 }	" 3	42.40	43.53	43.00
	" 4	41.31	43.38	42.05
	" 5	42.71	42.96	42.84
Average		41.98	43.21	42.55
Pacific North, total .....	—	43.66	44.54	44.06
Males 582 } Total 1,053.				
Females 471 }				
Chile .....	—	--	45.50	45.50
Females 4.				
<b><u>E. Sperm-whales.</u></b>				
<i>Africa:—</i>				
Natal .....	--	44.56	34.88	43.57
Males 359 } Total 400.				
Females 41 }				
Spanish Morocco .....	—	38.04	30.56	35.12
Males 25 } Total 41.				
Females 16 }				
Africa, total .....	--	44.14	33.67	42.78
Males 384 } Total 441.				
Females 57 }				
Brazil .....	--	49.00	--	49.00
Male 1.				
<i>North Atlantic and Arctic:—</i>				
Norway .....	No. 1	52.43	—	52.43
Males 94.	" 2	54.64	—	54.64
	" 3	49.16	—	49.16
Average		49.63	—	49.63
Faroe Islands .....	—	49.45	—	49.45
Males 11.				
Iceland .....	—	48.70	—	48.70
Males 54.				
West Greenland .....	—	50.11	—	50.11
Males 9.				
North Atlantic and Arctic, total	—	49.35	—	49.35
Males 168.				

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
<i>Pacific North</i> —		Engl. feet.	Engl. feet.	Engl. feet.
British Columbia .....	—	43.00	34.82	42.61
Males 215 } Total 226.				
Females 11 }				
Kamchatka, pelagic .....	No. 1	44.97	37.95	44.40
Males 1,239 } Total 1,304.	" 2	47.52	—	47.52
Females 65 }				
Average		45.98	37.95	45.58
Kuril Islands.....	—	40.95	37.24	40.33
Males 956 } Total 1,147.				
Females 191 }				
Japan.....	No. 1	38.22	35.65	37.20
Males 942 } Total 1,484.	" 2	39.08	35.95	37.54
Females 542 }	" 3	38.06	35.50	36.41
	" 4	36.44	35.78	36.29
	" 5	40.01	35.45	37.88
Average		38.45	35.65	37.43
Pacific North, total.....				
Males 3,352 } Total 4,161.	—	42.24	36.20	41.06
Females 809 }				
<i>Chile</i> .....	—	40.10	35.58	38.46
Males 396 } Total 622.				
Females 226 }				

Table No. 6.—Whales caught in the summer season 1954,  
by species, sex, and size.

## I. Natal.

## Blue-whales.

Engl. feet.	Number of		Total animals.	
	males.	females.		
65	—	2	2	Average size { Males: 71.20 feet Females: 69.40 " Total animals: 70.30 "
68	1	1	2	
69	1	—	1	
70	1	—	1	
71	1	—	1	
72	—	1	1	Per cent { Males: 50.00 Females: 50.00
77	—	1	1	
78	1	—	1	
Sum	5	5	10	

Table No. 6 (continued).

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
47	1	—	1	67	10	13	23
48	2	—	2	68	14	5	19
49	2	—	2	69	5	4	9
50	3	4	7	70	7	9	16
51	4	2	6	71	3	8	11
52	—	3	3	72	1	3	4
53	1	—	1	73	1	3	4
54	—	—	—	74	—	3	3
55	38	25	63	75	—	5	5
56	16	10	26	79	—	1	1
57	13	14	27	80	—	1	1
58	13	19	32	Sum	276	239	515
59	12	20	32	Average size { Males: 60.94 feet			
60	30	16	46	{ Females: 61.87 "			
61	13	10	23	{ Total animals: 61.37 "			
62	13	24	37	Per cent { Males: 53.59			
63	19	9	28	{ Females: 46.41			
64	20	15	35				
65	19	6	25				
66	16	7	23				

## Humpbacks.

29	—	1	1	45	—	1	1
31	2	—	2	48	—	1	1
35	3	3	6	Sum	13	14	27
36	1	2	3	Average size { Males: 36.85 feet			
37	—	1	1	{ Females: 37.93 "			
38	1	1	2	{ Total animals: 37.41 "			
39	3	3	6	Per cent { Males: 48.15			
40	2	1	3	{ Females: 51.85			
41	1	—	1				

## Sei-whales.

33	1	—	1	49	—	—	—
35	—	2	2	50	2	3	5
36	1	1	2	51	—	1	1
37	—	—	—	52	—	2	2
38	—	1	1	53	—	2	2
39	—	2	2	54	—	1	1
40	4	3	7	Sum	30	41	71
41	3	5	8	Average size { Males: 43.50 feet			
42	2	2	4	{ Females: 44.27 "			
43	4	3	7	{ Total animals: 43.94 "			
44	3	4	7	Per cent { Males: 42.25			
45	1	4	5	{ Females: 57.75			
46	4	2	6				
47	4	2	6				
48	1	1	2				



Table No. 6 (continued).

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.		
	males.	females.			males.	females.			
30	-	1	1	48	22	-	22		
31	-	1	1	49	20	-	20		
32	-	3	3	50	24	-	24		
33	1	1	2	51	19	-	19		
34	-	1	1	52	13	-	13		
35	13	23	36	53	11	-	11		
36	14	7	21	54	3	-	3		
37	15	3	18	55	1	-	1		
38	8	1	9	56	1	-	1		
39	14	-	14	Sum	359	41	400		
40	19	-	19	Average size { Males: 44.56 feet Females: 34.88 " Total animals: 43.57 " Per cent { Males: 89.75 Females: 10.25					
41	24	-	24						
42	21	-	21						
43	21	-	21						
44	15	-	15						
45	32	-	32						
46	22	-	22						
47	26	-	26						

## 2. Spanish Morocco.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Average size {	Males: 63.00 feet Females: 66.00 " Total animals: 64.80 "
	males.	females.			
62	1	1	2	Per cent {	Males: 40.00 Females: 60.00
64	1	-	1		
67	-	1	1		
69	-	1	1		
Sum	2	3	5		

## Fin-whales.

48	-	1	1	Average size {	Males: 59.17 feet Females: 55.83 " Total animals: 57.50 "
49	1	1	2		
50	-	-	-		
51	-	1	1		
52	-	1	1		
59	2	-	2		
62	2	-	2		
64	1	-	1		
66	-	1	1		
69	-	1	1		
Sum	6	6	12	Per cent {	Males: 50.00 Females: 50.00

Table No. 6 (continued).

## Sei-whales.

Engl. feet.	Number of		Total animals.	Average size	Per cent
	males.	females.			
44	—	1	1	{ Males: 51.80 feet Females: 50.00 " Total animals: 51.29 "	{ Males: 71.43 Females: 28.57
49	2	—	2		
51	2	—	2		
56	—	1	1		
59	1	—	1		
Sum	5	2	7		

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Average size	Per cent
	males.	females.			
30	1	10	11	{ Males: 38.04 feet Females: 30.56 " Total animals: 35.12 "	{ Males: 60.98 Females: 39.02
31	1	5	6		
33	4	—	4		
34	—	1	1		
36	5	—	5		
38	1	—	1		
39	8	—	8		
40	2	—	2		
48	2	—	2		
52	1	—	1		
Sum	25	16	41		

### 3. Summary Africa.

(Natal and Spanish Morocco.)

## Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
62	1	1	2	77	—	1	1
64	1	—	1	78	1	—	1
65	—	2	2	Sum	7	8	15
67	—	1	1	Average size { Males: 68.86 feet Females: 68.13 " Total animals: 68.47 "	Per cent { Males: 46.67 Females: 53.33		
68	1	1	2				
69	1	1	2				
70	1	—	1				
71	1	—	1				
72	—	1	1				

Table No. 6 (continued).

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.		
	males.	females.			males.	females.			
47	1	-	1	67	10	13	23		
48	2	1	3	68	14	5	19		
49	3	1	4	69	5	5	10		
50	3	4	7	70	7	9	16		
51	4	3	7	71	3	8	11		
52	-	4	4	72	1	3	4		
53	1	-	1	73	1	3	4		
55	38	25	63	74	-	3	3		
56	16	10	26	75	-	5	5		
57	13	14	27	79	-	1	1		
58	13	19	32	80	-	1	1		
59	14	20	34	Sum	282	245	527		
60	30	16	46	Average size { Males: 60.90 feet Females: 61.72 " Total animals: 61.28 " Per cent { Males: 53.51 Females: 46.49					
61	13	10	23						
62	15	24	39						
63	19	9	28						
64	21	15	36						
65	19	6	25						
66	16	8	24						

## Humpbacks.

29	-	1	1	45	-	1	1		
31	2	-	2	48	-	1	1		
35	3	3	6	Sum	13	14	27		
36	1	2	3	Average size { Males: 36.85 feet Females: 37.93 " Total animals: 37.41 " Per cent { Males: 48.15 Females: 51.85					
37	-	1	1						
38	1	1	2						
39	3	3	6						
40	2	1	3						
41	1	-	1						

## Sei-whales.

33	1	-	1	50	2	3	5		
35	-	2	2	51	2	1	3		
36	1	1	2	52	-	2	2		
37	-	-	-	53	-	2	2		
38	-	1	1	54	-	1	1		
39	-	2	2	55	-	-	-		
40	4	3	7	56	-	1	1		
41	3	5	8	59	1	-	1		
42	2	2	4	Sum	35	43	78		
43	4	3	7	Average size { Males: 44.69 feet Females: 44.54 " Total animals: 44.60 " Per cent { Males: 44.87 Females: 55.13					
44	3	5	8						
45	1	4	5						
46	4	2	6						
47	4	2	6						
48	1	1	2						
49	2	-	2						

Table No. 6 (continued).

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
30	1	11	12	48	24	-	24
31	1	6	7	49	20	-	20
32	-	3	3	50	24	-	24
33	5	1	6	51	19	-	19
34	-	2	2	52	14	-	14
35	13	23	36	53	11	-	11
36	19	7	26	54	3	-	3
37	15	3	18	55	1	-	1
38	9	1	10	56	1	-	1
39	22	-	22	Sum	384	57	441
40	21	-	21	Average size { Males: 44.14 feet Females: 33.67 " Total animals: 42.78 " Per cent { Males: 87.07 Females: 12.93			
41	24	-	24				
42	21	-	21				
43	21	-	21				
44	15	-	15				
45	32	-	32				
46	22	-	22				
47	26	-	26				

4. Brazil.  
Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
36	2	3	5	Average size { Males: 38.57 feet Females: 41.55 " Total animals: 40.39 " Per cent { Males: 38.89 Females: 61.11			
37	1	-	1				
38	-	1	1				
39	-	1	1				
40	3	1	4				
41	1	1	2				
42	-	1	1				
49	-	2	2				
51	-	1	1				
Sum	7	11	18				

## Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
41	1	-	1	55	1	9	10
43	1	-	1	56	1	5	6
44	2	1	3	57	-	2	2
45	4	-	4	58	1	1	2
46	2	2	4	Sum	85	98	183
47	7	-	7	Average size { Males: 48.91 feet Females: 52.21 " Total animals: 50.68 " Per cent { Males: 46.45 Females: 53.55			
48	14	2	16				
49	22	9	31				
50	17	7	24				
51	9	10	19				
52	3	26	29				
53	-	11	11				
54	-	13	13				

Table No. 6 (continued).

**Sperm-whale.**

1 male, 49 feet.

**5. Azores.**

683 sperm-whales.

**6. Madeira.**2 fin-whales.  
122 sperm-whales.**7. Spain.**

30 fin-whales	} sex and length not stated.
82 baleen whales, not specified	
105 sperm-whales	

**8. Norway.****Blue-whales.**

Engl. feet.	Number of		Total animals.
	males.	females.	
68	1	—	1
75	1	—	1
Sum	2	—	2

Average size: Males: 71.50 feet

**Fin-whales.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
41	1	—	1	63	11	5	16
44	—	1	1	64	8	5	13
45	—	1	1	65	7	8	15
46	1	—	1	66	4	5	9
48	1	—	1	67	3	1	4
50	4	10	14	68	—	8	8
51	10	3	13	69	—	7	7
52	4	3	7	70	—	7	7
53	5	6	11	72	—	1	1
54	3	5	8	Sum	138	128	<sup>1)</sup> 266
55	7	4	11	Average size { Males: 58.57 feet Females: 59.88 „ Total animals: 59.20 „ Per cent { Males: 51.88 Females: 48.12			
56	4	4	8				
57	13	10	23				
58	7	12	19				
59	12	8	20				
60	9	3	12				
61	14	7	21				
62	10	4	14				

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

Table No. 6 (continued).

**Humpbacks.**

Engl. feet.	Number of		Total animals.
	males.	females.	
35	1	—	1
36	1	—	1
40	1	—	1
42	1	—	1
43	2	—	2
<b>Sum</b>	<b>6</b>	<b>—</b>	<b>6</b>

Average size: Males: 39.83 feet

**Sei-whales.**

36	—	1	1	Average size { Males: 44.92 feet Females: 44.25 " Total animals: 44.65 "
40	1	—	1	
41	—	1	1	
44	3	—	3	
45	3	1	4	
46	3	4	7	
47	2	—	2	
48	—	1	1	
<b>Sum</b>	<b>12</b>	<b>8</b>	<b>20</b>	Per cent { Males: 60.0 Females: 40.00

**Sperm-whales.**

Engl. feet.	Number of males.	Engl. feet.	Number of males.
42	4	51	12
43	1	52	7
44	1	53	4
45	2	54	4
46	5	55	3
47	8	56	1
48	7	57	2
49	11		
50	22	<b>Sum</b>	<b>94</b>

Average size: Males: 49.63 feet.

**9. Faroe Islands.****Fin-whales.**

Engl. feet.	Number of		Total animals.
	males.	females.	
50	—	1	1
51	1	1	2
52	1	2	3
55	1	2	3
60	—	1	1
62	1	1	2
64	1	1	2
65	1	—	1
66	—	1	1
70	—	1	1
<b>Sum</b>	<b>6</b>	<b>11</b>	<b>17</b>

Average size { Males: 58.17 feet  
Females: 57.91 "  
Total animals: 58.00 "

Per cent { Males: 35.29  
Females: 64.71

Table No. 6 (continued).

## Sei-whales.

Engl. feet.	Number of		Total animals.	Average size	Per cent
	males.	females.			
41	1	-	1	{ Males: 41.00 feet Females: 44.50 " Total animals: 43.33 "	{ Males: 33.33 Females: 66.67
44	-	1	1		
45	-	1	1		
Sum	1	2	3		

## Sperm-whales.

Engl. feet.	Number of males.
43	1
45	1
46	2
49	3
53	2
55	1
56	1
Sum	11

Average size: Males: 49.45 feet.

## 10. Iceland.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Average size	Per cent
	males.	females.			
60	1	-	1	{ Males: 71.75 feet Females: 70.60 " Total animals: 71.11 "	{ Males: 44.44 Females: 55.56
65	-	1	1		
66	-	1	1		
67	-	1	1		
74	1	-	1		
75	1	1	2		
78	1	-	1		
80	-	1	1		
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	—	2	2	64	3	4	7
50	2	6	8	65	1	8	9
51	5	12	17	66	1	6	7
52	2	6	8	67	—	3	3
53	5	2	7	68	—	5	5
54	5	4	9	69	—	3	3
55	2	3	5	70	—	4	4
56	5	6	11	72	—	1	1
57	4	6	10	Sum	69	108	177
58	5	4	9	Average size	{ Males: 57.71 feet Females: 59.10 " Total animals: 58.56 "		
59	7	7	14	Per cent	{ Males: 38.98 Females: 61.02		
60	6	5	11				
61	9	4	13				
62	6	4	10				
63	1	3	4				

## Humpback.

1 male, 44 feet.

## Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
32	—	1	1	47	—	3	3
36	1	1	2	48	—	3	3
37	1	6	7	49	—	2	2
38	1	4	5	Sum	38	55	93
39	2	3	5	Average size	{ Males: 41.76 feet Females: 42.62 " Total animals: 42.27 "		
40	6	2	8	Per cent	{ Males: 40.86 Females: 59.14		
41	7	3	10				
42	3	6	9				
43	8	3	11				
44	5	1	6				
45	3	8	11				
46	1	9	10				

## Sperm-whales.

Engl. feet.	Number of males.	Engl. feet	Number of males.
38	1	50	2
39	3	51	8
41	2	52	4
42	2	53	3
43	1	54	4
44	1	55	2
45	1	56	2
46	5	57	1
47	4	Sum	54
48	3		
49	5		

Average size: Males: 48.70 feet.



Table No. 6 (continued).

**II. West Greenland.  
Fin-whales.**

Engl. feet.	Number of		Total animals.	
	males.	females.		
54	1	-	1	Average size { Males: 58.71 feet Females: 63.40 „ Total animals: 59.77 „
56	4	1	5	
58	1	-	1	
59	5	-	5	Per cent { Males: 77.27 Females: 22.73
60	2	-	2	
61	2	-	2	
62	1	-	1	
63	1	-	1	
64	-	1	1	
65	-	2	2	
67	-	1	1	
Sum	17	5	22	

**Sperm-whales.**

Engl. feet.	Number of males.
43	1
48	1
49	1
51	4
53	1
54	1
Sum	9

Average size: Males: 50.11 feet.

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

**Blue-whales.**

Engl. feet.	Number of		Total animals.	
	males.	females.		
60	1	-	1	Average size { Males: 71.67 feet Females: 70.60 „ Total animals: 71.18 „
65	-	1	1	
66	-	1	1	
67	-	1	1	Per cent { Males: 54.55 Females: 45.45
68	1	-	1	
74	1	-	1	
75	2	1	3	
78	1	-	1	
80	-	1	1	
Sum	6	5	11	

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	13	8	21
44	—	1	1	64	12	11	23
45	—	1	1	65	9	18	27
46	1	—	1	66	5	12	17
48	1	2	3	67	3	5	8
50	6	17	23	68	—	13	13
51	16	16	32	69	—	10	10
52	7	11	18	70	—	12	12
53	10	8	18	72	—	2	2
54	9	9	18				
55	10	9	19				
56	13	11	24	Sum	230	252	1) 482
57	17	16	33				
58	13	16	29	Average size	{ Males: 58.31 feet		
59	24	15	39		{ Females: 59.53 "		
60	17	9	26		{ Total animals: 58.95 "		
61	25	11	36	Per cent	{ Males: 47.72		
62	18	9	27		{ Females: 52.28		

1) In addition 4 fin-whales lost.

## Humpbacks.

Engl. feet.	Number of		Total animals.
	males.	females.	
35	1	—	1
36	1	—	1
40	1	—	1
42	1	—	1
43	2	—	2
44	1	—	1
Sum	7	—	7

Average size: Males: 40.43 feet.

## Sei-whales.

Engl. feet.	Number of		Total animals	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
32	—	1	1	47	2	3	5
36	1	2	3	48	—	4	4
37	1	6	7	49	—	2	2
38	1	4	5	Sum	51	65	116
39	2	3	5				
40	7	2	9	Average size	{ Males: 42.49 feet		
41	8	4	12		{ Females: 42.88 "		
42	3	6	9		{ Total animals: 42.71 "		
43	8	3	11	Per cent	{ Males: 43.97		
44	8	2	10		{ Females: 56.03		
45	6	10	16				
46	4	13	17				

Table No. 6 (continued).

## Sperm-whales.

Engl. feet.	Number of males.	Engl. feet.	Number of males.
38	1	50	24
39	3	51	24
41	2	52	11
42	6	53	10
43	4	54	9
44	2	55	6
45	4	56	4
46	12	57	3
47	12		
48	11	Sum	168
49	20		

Average size: Males: 49.35 feet.

## 13. British Columbia.

## Blue-whales.

Engl. feet.	Number of		Total animals.	
	males.	females.		
63	—	1	1	Average size { Males: 74.40 feet Females: 74.00 " Total animals: 74.18 "
71	1	—	1	
72	1	—	1	
73	1	—	1	
74	—	1	1	
75	—	1	1	
76	—	1	1	
77	1	1	2	
79	1	1	2	
Sum	5	6	11	Per cent { Males: 45.45 Females: 54.55

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
40	1	—	1	61	6	3	9
44	1	—	1	62	5	7	12
46	1	—	1	63	4	2	6
47	1	—	1	64	1	3	4
48	3	—	3	65	2	1	3
50	10	4	14	66	1	5	6
51	6	2	8	67	—	5	5
52	4	1	5	68	—	1	1
53	3	3	6	Sum	89	61	150
54	3	2	5	Average size { Males: 55.71 feet Females: 59.34 " Total animals: 57.19 "	Per cent { Males: 59.33 Females: 40.67		
55	8	3	11				
56	7	4	11				
57	6	5	11				
58	9	2	11				
59	2	4	6				
60	5	4	9				

Table No. 6 (continued).

## Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
30	1	-	1	44	5	2	7
31	4	-	4	45	2	7	9
32	1	-	1	46	2	2	4
33	1	2	3	47	1	-	1
34	1	-	1				
35	4	5	9	Sum	62	44	106
36	3	4	7				
37	6	3	9				
38	9	3	12	Average size	Males: 39.26 feet		
39	2	2	4		Females: 40.27 "		
40	2	-	2		Total animals: 39.68 "		
41	3	4	7	Per cent	Males: 58.49		
42	6	5	11		Females: 41.51		
43	9	5	14				

## Sei-whales.

34	2	-	2	47	4	9	13
36	2	-	2	48	4	7	11
37	-	5	5	49	-	2	2
38	1	3	4	Sum	74	60	134
39	2	3	5				
40	2	-	2				
41	3	1	4	Average size	Males: 43.61 feet		
42	4	-	4		Females: 44.13 "		
43	10	6	16		Total animals: 43.84 "		
44	16	11	27	Per cent	Males: 55.22		
45	18	6	24		Females: 44.78		
46	6	7	13				

## Sperm-whales.

32	-	3	3	48	7	-	7
33	-	1	1	49	5	-	5
34	1	-	1	50	3	-	3
35	3	3	6	51	3	-	3
36	5	1	6	52	3	-	3
37	10	1	11	53	2	-	2
38	12	2	14	56	1	-	1
39	9	-	9	60	1	-	1
40	27	-	27	Sum	215	11	226
41	13	-	13				
42	23	-	23	Average size	Males: 43.00 feet		
43	20	-	20		Females: 34.82 "		
44	19	-	19		Total animals: 42.61 "		
45	14	-	14	Per cent	Males: 95.13		
46	15	-	15		Females: 4.87		
47	19	-	19				

Table No. 6 (continued).

## 14. Kamtchatka.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
70	3	1	4	81	6	3	9
71	4	1	5	82	-	5	5
72	4	-	4	84	-	2	2
73	10	1	11	Sum	109	48	157
74	10	3	13	Average size { Males: 76.15 feet Females: 78.03 " Total animals: 76.73 " Per cent { Males: 69.43 Females: 30.57			
75	13	5	18				
76	15	4	19				
77	13	3	16				
78	13	5	18				
79	8	10	18				
80	10	5	15				

## Fin-whales.

53	-	1	1	69	-	20	20
54	1	1	2	70	-	11	11
55	30	22	52	71	-	1	1
56	23	14	37	72	-	5	5
57	57	16	73	73	-	1	1
58	62	38	100	Sum	791	763	1,554
59	106	53	159	Average size { Males: 60.48 feet Females: 63.05 " Total animals: 61.74 " Per cent { Males: 50.90 Females: 49.10			
60	111	43	154				
61	121	57	178				
62	107	80	187				
63	72	69	141				
64	53	71	124				
65	33	78	111				
66	8	92	100				
67	3	61	64				
68	4	29	33				

## Humpbacks.

33	1	-	1	46	-	13	13
35	8	7	15	47	-	6	6
36	6	-	6	48	1	-	1
37	6	4	10	Sum	62	95	157
38	6	5	11	Average size { Males: 39.02 feet Females: 41.78 " Total animals: 40.69 " Per cent { Males: 39.49 Females: 60.51			
39	12	6	18				
40	8	15	23				
41	-	8	8				
42	4	8	12				
43	6	8	14				
44	2	11	13				
45	2	4	6				

Table No. 6 (continued).

## Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
41	-	1	1	52	1	1	2
42	3	-	3	53	-	2	2
43	5	-	5	54	-	1	1
44	5	2	7	Sum	89	62	151
45	8	2	10	Average size { Males: 46.63 feet Females: 48.37 " Total animals: 47.34 " Per cent { Males: 58.94 Females: 41.06			
46	23	7	30				
47	17	8	25				
48	12	12	24				
49	8	12	20				
50	5	8	13				
51	2	6	8				

## Sperm-whales.

30	-	1	1	50	117	-	117
33	1	-	1	51	74	-	74
35	-	3	3	52	62	-	62
38	100	50	150	53	35	-	35
39	64	8	72	54	13	-	13
40	44	3	47	55	16	-	16
41	42	-	42	56	8	-	8
42	47	-	47	Sum	1,239	65	<sup>1)</sup> 1,304
43	79	-	79	Average size { Males: 45.98 feet Females: 37.95 " Total animals: 45.58 " Per cent { Males: 95.02 Females: 4.98			
44	71	-	71				
45	79	-	79				
46	103	-	103				
47	94	-	94				
48	92	-	92				
49	98	-	98				

<sup>1)</sup> In addition 3 sperm-whales lost.

## 15. Kuril Islands.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of	Total animals.
	males.	females.				
70	3	1	4	Average size { Males: 73.25 feet Females: 75.64 " Total animals: 74.39 " Per cent { Males: 52.17 Females: 47.83		
71	1	-	1			
72	1	1	2			
73	2	1	3			
74	-	1	1			
75	2	3	5			
76	1	-	1			
77	2	1	3			
78	-	1	1			
81	-	1	1			
82	-	1	1			
Sum	12	11	23			

Table No. 6 (continued).

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.				
	males.	females.			males.	females.					
50	7	1	8	65	3	10	13				
51	1	-	1	66	3	8	11				
52	3	3	6	67	2	8	10				
53	2	1	3	68	-	5	5				
54	1	2	3	69	1	1	2				
55	10	7	17	70	-	2	2				
56	14	2	16	Sum	145	117	<sup>1)</sup> 262				
57	8	7	15	Average size { Males: 58.90 feet Females: 61.50 " Total animals: 60.06 "							
58	14	7	21								
59	21	9	30								
60	17	10	27								
61	10	5	15								
62	14	11	25								
63	7	7	14								
64	7	11	18								
								Per cent { Males: 55.34 Females: 44.66			

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

## Humpbacks.

Engl. feet.	Number of		Total animals.	Average size { Males: 40.25 feet Females: 42.25 " Total animals: 41.25 "
	males.	females.		
37	1	-	1	Per cent { Males: 50.00 Females: 50.00
40	-	1	1	
41	2	-	2	
42	1	1	2	
43	-	1	1	
44	-	1	1	
Sum	4	4	8	

## Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
37	-	1	1	53	2	1	3
39	1	-	1	54	2	2	4
40	1	1	2	55	3	3	6
41	1	2	3	61	1	-	1
42	4	1	5	67	1	-	1
43	4	3	7	Sum	74	50	<sup>1)</sup> 124
44	6	3	9	Average size { Males: 48.00 feet Females: 48.22 " Total animals: 48.09 "			
45	7	2	9				
46	2	2	4				
47	9	3	12				
48	5	6	11				
49	9	3	12				
50	8	7	15				
51	6	5	11				
52	2	5	7				

<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.	
30	1	—	1	48	33	—	33
31	—	1	1	49	36	1	37
33	4	4	8	50	74	—	74
34	11	4	15	51	26	—	26
35	166	51	217	52	23	—	23
36	104	34	138	53	3	—	3
37	99	27	126	54	4	—	4
38	62	10	72				
39	39	15	54	Sum	956	191	<sup>1)</sup> 1,147
40	78	30	108				
41	27	4	31				
42	24	3	27	Average size	{	Males: 40.95 feet	
43	49	7	56		{	Females: 37.24 „	
44	19	—	19		{	Total animals: 40.33 „	
45	22	—	22	Per cent	{	Males: 83.35	
46	35	—	35		{	Females: 16.65	
47	17	—	17				

<sup>1)</sup> In addition 45 sperm-whales lost.

## 16. Japan.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Average size	{	Males:	Females:	Total animals:
	males.	females.						
66	1	1	2			71.33 feet		
67	1	1	2			75.30 „		
70	—	1	1			73.81 „		
73	2	—	2	Per cent	{	Males: 37.50		
74	1	1	2		{	Females: 62.50		
75	1	—	1					
77	—	1	1					
78	—	2	2					
81	—	3	3					
Sum	6	10	16					

## Fin-whales.

47	—	1	1	63	5	3	8
50	12	12	24	64	2	4	6
51	14	13	27	65	1	7	8
52	10	10	20	67	—	4	4
53	5	3	8	68	—	2	2
54	3	6	9	69	—	1	1
55	7	5	12	70	—	4	4
56	6	2	8	Sum	98	99	197
57	5	2	7				
58	6	3	9	Average size	{	Males: 55.67 feet	
59	2	2	4		{	Females: 57.26 „	
60	10	8	18		{	Total animals: 56.47 „	
61	5	4	9	Per cent	{	Males: 49.75	
62	5	3	8		{	Females: 50.25	



Table No. 6 (continued).

## Humpbacks.

Engl. feet.	Number of		Total animals.	Average size	Per cent
	males.	females.			
35	-	1	1	Males: 41.67 feet Females: 38.40 " Total animals: 39.63 "	Males: 37.50 Females: 62.50
36	-	2	2		
40	1	-	1		
42	1	1	2		
43	1	1	2		
Sum	3	5	8		

## Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	13	11	24	49	1	18	19
36	14	13	27	50	-	6	6
37	21	12	33	51	1	5	6
38	25	11	36	52	-	1	1
39	24	13	37	Sum	345	299	<sup>1)</sup> 644
40	29	21	50	Average size { Males: 41.98 feet Females: 43.21 " Total animals: 42.55 "  Per cent { Males: 53.57 Females: 46.43			
41	27	23	50				
42	22	20	42				
43	38	23	61				
44	27	31	58				
45	28	22	50				
46	46	24	70				
47	21	20	41				
48	8	25	33				

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

## Sperm-whales.

30	1	-	1	48	14	-	14
33	-	4	4	49	11	-	11
34	-	3	3	50	20	-	20
35	173	261	434	51	11	-	11
36	252	205	457	52	9	-	9
37	146	55	201	53	7	-	7
38	100	10	110	55	1	-	1
39	50	1	51	Sum	942	542	<sup>1)</sup> 1,484
40	35	3	38	Average size { Males: 38.45 feet Females: 35.65 " Total animals: 37.43 "  Per cent { Males: 63.48 Females: 36.52			
41	26	-	26				
42	21	-	21				
43	21	-	21				
44	10	-	10				
45	20	-	20				
46	4	-	4				
47	10	-	10				

<sup>1)</sup> In addition 3 sperm-whales lost.

Table No. 6 (continued).

**17. Summary Pacific North.**

(British Columbia, Kamtechatka, Kuril Islands, and Japan.)

**Blue-whales.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
63	—	1	1	81	6	7	13
66	1	1	2	82	—	6	6
67	1	1	2	84	—	2	2
70	6	3	9	Sum	132	75	207
71	6	1	7	Average size { Males: 75.60 feet			
72	6	1	7	{ Females: 77.01 "			
73	15	2	17	{ Total animals: 76.11 "			
74	11	6	17	Per cent { Males: 63.77			
75	16	9	25	{ Females: 36.23			
76	16	5	21				
77	16	6	22				
78	13	8	21				
79	9	11	20				
80	10	5	15				

**Fin-whales.**

40	1	—	1	65	39	96	135
44	1	—	1	66	12	105	117
46	1	—	1	67	5	78	83
47	1	1	2	68	4	37	41
48	3	—	3	69	1	22	23
50	29	17	46	70	—	17	17
51	21	15	36	71	—	1	1
52	17	14	31	72	—	5	5
53	10	8	18	73	—	1	1
54	8	11	19	Sum	1,123	1,040	<sup>1)</sup> 2,163
55	55	37	92	Average size { Males: 59.48 feet			
56	50	22	72	{ Females: 62.11 "			
57	76	30	106	{ Total animals: 60.74 "			
58	91	50	141	Per cent { Males: 51.92			
59	131	68	199	{ Females: 48.08			
60	143	65	208				
61	142	69	211				
62	131	101	232				
63	88	81	169				
64	63	89	152				

<sup>1)</sup> In addition 4 fin-whales lost.**Humpbacks.**

30	1	—	1	44	7	14	21
31	4	—	4	45	4	11	15
32	1	—	1	46	2	15	17
33	2	2	4	47	1	6	7
34	1	—	1	48	1	—	1
35	12	13	25	Sum	131	148	279
36	9	6	15	Average size { Males: 39.23 feet			
37	13	7	20	{ Females: 41.23 "			
38	15	8	23	{ Total animals: 40.29 "			
39	14	8	22	Per cent { Males: 46.95			
40	11	16	27	{ Females: 53.05			
41	5	12	17				
42	12	15	27				
43	16	15	31				

Table No. 6 (continued).

## Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
34	2	-	2	50	13	21	34
35	13	11	24	51	9	16	25
36	16	13	29	52	3	7	10
37	21	18	39	53	2	3	5
38	26	14	40	54	2	3	5
39	27	16	43	55	3	3	6
40	32	22	54	61	1	-	1
41	31	27	58	67	1	-	1
42	33	21	54	Sum	582	471	<sup>1)</sup> 1,053
43	57	32	89	Average size	{	Males:	43.66 feet
44	54	47	101			Females:	44.54 "
45	61	32	93			Total animals:	44.06 "
46	77	40	117	Per cent	{	Males:	55.27
47	51	40	91			Females:	44.73
48	29	50	79				
49	18	35	53				

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

## Sperm-whales.

30	2	1	3	49	150	1	151
31	-	1	1	50	214	-	214
32	-	3	3	51	114	-	114
33	5	9	14	52	97	-	97
34	12	7	19	53	47	-	47
35	342	318	660	54	17	-	17
36	361	240	601	55	17	-	17
37	255	83	338	56	9	-	9
38	274	72	346	61	1	-	1
39	162	24	186	Sum	3,352	809	<sup>1)</sup> 4,161
40	184	36	220	Average size	{	Males:	42.24 feet
41	108	4	112			Females:	36.20 "
42	115	3	118			Total animals:	41.06 "
43	169	7	176	Per cent	{	Males:	80.56
44	119	-	119			Females:	19.44
45	135	-	135				
46	157	-	157				
47	140	-	140				
48	146	-	146				

<sup>1)</sup> In addition 51 sperm-whales lost.18. Peru.<sup>1)</sup>

1 blue-whale, 3 fin-whales, and 3,173 sperm-whales.—Sex and length not stated.

<sup>1)</sup> No information received from 2 companies.

Table No. 6 (continued).

**19. Chile.**  
**Blue-whales.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.				
	males.	females.			males.	females.					
65	1	1	2	80	1	-	1				
66	-	1	1	81	-	3	3				
68	1	-	1	82	-	1	1				
70	1	1	2	83	-	1	1				
71	3	-	3	Sum	22	27	<sup>1)</sup> 49				
72	2	4	6	Average size { Males: 73.86 feet Females: 76.11 " Total animals: 75.10 "							
73	2	-	2								
74	1	-	1								
75	2	1	3								
76	4	6	10								
77	2	1	3								
78	1	3	4								
79	1	4	5								
								Per cent { Males: 44.90 Females: 55.10			

<sup>1)</sup> In addition 21 blue-whales with sex not stated.

**Fin-whales.**

48	1	1	2	67	3	-	3				
50	16	13	29	68	2	1	3				
51	8	8	16	69	3	4	7				
52	2	6	8	70	1	2	3				
53	9	10	19	71	-	1	1				
54	6	4	10	72	-	1	1				
55	29	31	60	73	-	-	-				
56	37	30	67	74	-	1	1				
57	15	20	35	75	-	1	1				
58	12	15	27	Sum	195	202	<sup>1)</sup> 397				
59	10	14	24	Average size { Males: 57.21 feet Females: 57.25 " Total animals: 57.23 "							
60	6	14	20								
61	7	9	16								
62	9	7	16								
63	6	3	9								
64	2	2	4								
65	5	-	5								
66	6	4	10								
								Per cent { Males: 49.12 Females: 50.88			

<sup>1)</sup> In addition 28 fin-whales with sex not stated, and 9 with length and sex not stated.

**Sei-whales.**

41	-	1	1	Average size: Females: 45.50 feet.			
43	-	1	1				
49	-	2	2				
Sum	-	4	<sup>1)</sup> 4				

<sup>1)</sup> In addition 22 sei-whales with sex not stated.

**Sperm-whales.**

29	-	1	1	48	8	-	8				
30	1	3	4	49	11	-	11				
31	-	1	1	50	3	-	3				
32	1	-	1	51	5	-	5				
34	-	1	1	52	1	-	1				
35	92	131	223	53	4	-	4				
36	68	67	135	54	3	-	3				
37	18	7	25	55	4	-	4				
38	18	6	24	56	3	-	3				
39	23	2	25	57	1	-	1				
40	16	2	18	Sum	396	226	<sup>1)</sup> 622				
41	20	1	21	Average size { Males: 40.10 feet Females: 35.58 " Total animals: 38.46 "							
42	12	-	12								
43	23	2	25								
44	22	2	24								
45	16	-	16								
46	19	-	19								
47	4	-	4								
								Per cent { Males: 63.67 Females: 36.33			

<sup>1)</sup> In addition 173 sperm-whales with sex not stated, and 3 with length and sex not stated.

Table No. 6 (continued).

**20. Australia.****Blue-whale.**

1 female, 67 feet.

**Humpbacks.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
30	2	—	2	46	6	44	50
32	1	4	5	47	—	14	14
33	1	7	8	48	—	9	9
35	64	52	116	49	—	3	3
36	83	53	136	50	—	1	1
37	106	53	159	52	—	1	1
38	187	82	269				
39	185	79	264	Sum	1,200	827	1) 2,027
40	170	83	253				
41	141	72	213	Average size	{ Males: 39.43 feet Females: 40.59 " Total animals: 39.90 "		
42	129	75	204	Per cent	{ Males: 59.20 Females: 40.80		
43	72	82	154				
44	36	73	109				
45	17	40	57				

1) In addition 11 humpbacks with sex not stated.

**21. New Zealand.****Humpbacks.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
34	2	2	4	47	1	3	4
35	14	6	20	48	—	2	2
36	7	10	17	49	—	3	3
37	5	3	8	50	1	—	1
38	5	5	10	Sum	103	77	180
39	10	3	13				
40	12	7	19	Average size	{ Males: 39.86 feet Females: 40.83 " Total animals: 40.28 "		
41	16	7	23	Per cent	{ Males: 57.22 Females: 42.78		
42	12	7	19				
43	6	7	13				
44	6	4	10				
45	4	2	6				
46	2	6	8				

**Table No. 7.—Average production of oil per “blue-whale unit” in the summer season 1954.**

Other whales are reduced to blue-whale equivalents on the following basis:  
1 blue-whale = 2 fin-whales =  $2\frac{1}{3}$  humpbacks = 6 sei-whales.

Geographical areas.	Company.	Blue-whale equivalents.	Oil production.	
			Total.	Average per blue-whale equivalent.
<i>Africa:—</i>				
Natal .....	No. 1	290.1	28,095	96.8
Spanish Morocco .....	„ 1	12.2	358	29.3
Total		302.3	28,453	94.1
<i>Brazil .....</i>				
	No. 1	37.7	3,591	95.3
<i>North Atlantic and Arctic:—</i>				
Madeira .....	No. 1	1.0	43	43.0
Spain .....	„ 1	15.0	419	27.9
	„ 2	<sup>2)</sup> —	—	—
Norway .....	„ 1	59.7	3,793	63.5
	„ 2	4.5	259	57.6
	„ 3	45.2	2,904	64.2
	„ 4	31.4	1,850	58.9
Faroe Islands .....	„ 1	9.0	490	54.4
Iceland .....	„ 1	113.4	7,612	67.1
West Greenland .....	„ 1	11.0	253	23.0
Total		290.2	17,623	60.7
<i>Pacific North:—</i>				
British Columbia .....	No. 1	150.7	9,769	64.8
Kamchatka, pelagic .....	„ 1	350.3	33,430	95.4
	„ 2	528.6	45,906	86.8
	„ 3	143.1	9,335	65.2
Kuril Islands .....	„ 1	178.2	14,312	80.3
Japan .....	„ 1	80.6	2,761	34.3
	„ 2	81.6	2,239	27.4
	„ 3	32.7	741	22.7
	„ 4	18.8	479	25.5
	„ 5	11.3	375	33.2
Total		1,575.9	119,347	75.7
<i>Peru.....</i>				
	No. 1	<sup>2)</sup> —	—	—
	„ 2	<sup>2)</sup> —	—	—
Total		—	—	—
<i>Chile .....</i>				
	No. 1	252.7	8,747	34.6
	„ 2	38.7	1,944	50.2
Total		291.4	10,691	36.7
<i>Australia .....</i>				
	No. 1	240.0	28,964	120.7
	„ 2	240.0	28,200	117.5
	„ 3	240.2	32,000	133.2
	„ 4	48.0	6,257	130.4
	„ 5	48.0	5,094	106.1
Total		816.2	100,515	123.1
<i>New Zealand.....</i>				
	No. 1	72.0	8,820	122.5

<sup>1)</sup> Barrel = 170 kg. (Barrel = abt.  $\frac{1}{6}$  long ton, 1 long ton = 1,016 kg.) <sup>2)</sup> No information received.

**Table No. 8.—Average production of oil per sperm-whale  
in the summer season 1954.**

Geographical areas.	Company.	Number of sperm-whales.	Oil production.	
			Total.	Average per sperm-whale.
<i>Africa:—</i>			Barrels. <sup>1)</sup>	Barrels. <sup>1)</sup>
Natal .....	No. 1	400	14,858	37.1
Spanish Morocco .....	„ 1	41	625	15.2
Total		441	15,483	35.1
<i>Brazil .....</i>	No. 1	1	45	45.0
<i>North Atlantic and Arctic:—</i>				
Azores .....	No. 1	683	16,761	24.5
Madeira .....	„ 1	122	2,479	20.3
Spain .....	„ 1	19	419	22.1
	„ 2	86	1,086	12.6
Norway .....	„ 1	14	640	45.7
	„ 2	7	435	62.1
	„ 3	73	3,701	50.7
Faroe Islands .....	„ 1	11	452	41.1
Iceland .....	„ 1	54	2,894	53.6
West Greenland .....	„ 1	9	224	24.9
Total		1,078	29,091	27.0
<i>Pacific North:—</i>				
British Columbia .....	No. 1	226	7,738	34.2
Kamtchatka, pelagic .....	„ 1	491	23,882	48.6
	„ 2	813	26,929	33.1
Kuril Islands .....	„ 1	1,147	35,082	30.6
Japan .....	„ 1	589	10,381	17.6
	„ 2	431	8,877	20.6
	„ 3	183	2,201	12.0
	„ 4	142	2,218	15.6
	„ 5	139	2,891	20.8
Total		4,161	120,199	28.9
<i>Peru .....</i>	No. 1	825	25,294	30.7
	„ 2	2,348	73,000	31.1
	„ 3	—	—	—
	„ 4	—	—	—
Total		3,173	98,294	31.0
<i>Chile .....</i>	No. 1	625	11,538	18.5
	„ 2	173	5,656	32.7
Total		798	17,194	21.5

<sup>1)</sup> Barrel = 170 kg. (Barrel = abt.  $\frac{1}{6}$  long ton, 1 long ton = 1,016 kg.) <sup>2)</sup> No information received.

**Table No. 9.—Whale foetuses measured in the summer season 1954.**  
**Blue-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>Kamtchatka.</i> Average length of foetuses: 7' 3"	29/5	78	1' 1"	F	<i>Kamtchatka</i> (cont.).	4/7	84	7' 4"	F
	22/6	76	6' 5"	M		"	74	7' 4"	F
	"	79	7' 8"	F		6/7	80	2' 6"	M
	23/6	79	6' 3"	F		12/7	76	6' 5"	M
	27/6	78	9' 3"	M		14/7	84	12' 5"	F
	30/6	79	4' 5"	F		16/7	79	11' 4"	F
	2/7	77	6' 0"	F		26/7	82	12' 2"	F
	3/7	81	7' 6"	M					
"	80	8' 0"	F	<i>Chile.</i>	28/2	76	14' 0"	F	

**Fin-whale foetuses.**

		Engl. ft.				Engl. ft.			
		Mother.	Foetus.			Mother.	Foetus.		
<i>Natal.</i>	29/6	70	9' 0"	M	<i>Kamtchatka</i> (cont.).	21/5	69	3' 3"	M
Average length of foetuses: 7' 6"	14/7	75	6' 0"	M		22/5	68	2' 7"	M
						26/5	64	2' 6"	M
						"	67	4' 6"	M
						"	60	0' 8"	F
<i>Norway.</i>						"	66	3' 3"	F
Average length of foetuses: 8' 11"	11/6	61	1' 3"	M		29/5	66	2' 6"	F
	26/6	69	1' 8"	M		31/5	65	2' 8"	F
	8/7	67	1' 7"	M		"	64	5' 0"	F
	14/6	61	1' 7"	M		"	68	6' 2"	F
	27/6	64	1' 8"	F	"	72	2' 11"	M	
	24/7	63	1' 2"	M	"	65	1' 10"	F	
					3/6	65	2' 6"	F	
<i>Iceland.</i>					"	65	2' 5"	F	
Average length of foetuses: 7' 9"	17/6	65	5' 0"	M	"	70	3' 1"	F	
	10/7	57	1' 0"	M	4/6	65	2' 2"	M	
	3/9	65	11' 0"	M	"	65	2' 2"	M	
	22/9	65	14' 0"	F	"	69	5' 0"	F	
					"	66	5' 6"	M	
					5/6	66	4' 3"	M	
<i>West Greenland.</i>	8/8	65	3' 3"	M	6/6	64	4' 10"	M	
					7/6	65	4' 0"	M	
					"	68	6' 1"	F	
					"	72	5' 2"	F	
<i>British Columbia.</i>					"	65	5' 0"	F	
Average length of foetuses: 7' 11"	17/6	56	3' 2"	F	"	68	3' 1"	F	
	13/7	66	7' 2"	M	"	62	4' 1"	F	
	17/7	66	9' 4"	F	"	63	5' 0"	M	
	20/7	63	12' 0"	M	8/6	61	3' 9"	F	
	8/8	67	8' 0"	F	"	66	4' 7"	F	
<i>Japan.</i>					"	66	3' 5"	M	
Average length of foetuses: 8' 4"	3/5	65	2' 6"	F	10/6	68	3' 2"	M	
	19/7	70	16' 2"	F	12/6	66	4' 9"	M	
	1/8	68	12' 0"	M	"	65	4' 6"	M	
	3/8	60	2' 1"	F	13/6	68	6' 3"	F	
	22/8	67	9' 0"	F	"	62	1' 10"	F	
<i>Kamtchatka.</i>					14/6	67	4' 3"	M	
Average length of foetuses: 7' 1"	17/5	66	4' 1"	F	"	63	4' 6"	M	
	18/5	67	1' 10"	M	15/6	68	5' 2"	M	
	20/5	66	4' 2"	F	"	65	4' 3"	F	
	"	64	3' 0"	F	"	61	3' 2"	F	
					"	65	4' 10"	M	



Table No. 9 (continued).

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.	
		Mother.	Foetus.				Mother.	Foetus.		
<i>Kamtchatka</i> (cont.).	16/6	63	7' 0"	F	<i>Kamtchatka</i> (cont.).	8/7	65	4' 4"	M	
	"	66	5' 11"	F		"	62	6' 5"	M	
	"	67	3' 7"	F		9/7	62	2' 2"	M	
	"	61	4' 7"	M		"	66	5' 10"	F	
	"	65	4' 7"	F		"	62	3' 4"	F	
	17/6	65	4' 1"	M		"	62	7' 5"	M	
	"	69	5' 11"	M		"	64	3' 0"	F	
	18/6	66	5' 11"	M		"	10/7	66	9' 4"	M
	19/6	64	3' 9"	F		"	"	68	7' 1"	F
	"	65	5' 1"	M		"	"	67	4' 11"	F
	"	62	6' 10"	F		"	"	63	4' 4"	M
	"	63	4' 9"	F		"	11/7	62	5' 7"	F
	20/6	67	3' 4"	M		"	12/7	68	8' 10"	M
	"	72	5' 6"	M		"	"	67	4' 0"	M
	"	67	2' 2"	F		"	13/7	58	4' 0"	F
	21/6	66	3' 0"	M		"	"	68	7' 5"	M
	"	59	2' 5"	F		"	"	67	4' 4"	M
	"	62	2' 1"	F		"	15/7	63	5' 9"	M
	"	69	3' 9"	F		"	16/7	65	7' 4"	M
	22/6	73	6' 6"	F		"	17/7	69	10' 4"	M
	"	65	6' 4"	F		"	18/7	67	7' 5"	F
	"	64	3' 2"	M		"	"	70	10' 11"	F
	23/6	65	5' 10"	F		"	19/7	64	4' 9"	F
	"	64	4' 2"	F		"	"	58	5' 7"	M
	24/6	61	7' 0"	M		"	"	65	6' 1"	M
	"	68	9' 4"	M		"	"	62	4' 5"	M
	25/6	63	4' 10"	F		"	"	65	9' 11"	M
	"	62	7' 9"	M		"	"	68	1' 1"	F
	26/6	64	3' 0"	M		"	20/7	66	3' 2"	M
	"	70	6' 6"	M		"	"	62	6' 0"	M
	27/6	62	1' 9"	M		"	"	62	3' 5"	M
	"	63	4' 4"	F		"	"	67	5' 3"	F
	"	60	3' 3"	F		"	"	65	3' 6"	F
	"	66	5' 7"	F		"	"	62	4' 4"	M
	"	62	7' 9"	F		"	"	67	10' 7"	F
	"	67	5' 5"	F		"	"	66	8' 10"	M
	"	66	1' 8"	F		"	"	64	7' 0"	F
	28/6	65	2' 5"	M		"	"	62	7' 4"	M
	29/6	65	5' 5"	M		"	"	65	5' 0"	M
	"	65	2' 0"	F		"	21/7	62	7' 1"	F
	"	62	5' 9"	F		"	"	66	8' 7"	F
	"	67	6' 9"	M		"	22/7	66	9' 10"	M
	"	66	8' 4"	M		"	24/7	68	6' 11"	F
	"	64	2' 2"	M		"	"	61	8' 1"	F
	"	63	3' 5"	F		"	29/7	64	6' 5"	M
	30/6	69	3' 9"	F		"	31/7	64	5' 2"	M
	"	65	7' 10"	M		"	"	61	10' 10"	M
"	63	3' 8"	M	"	1/8	61	2' 8"	M		
1/7	68	4' 7"	F	"	"	66	10' 8"	M		
2/7	62	5' 2"	F	"	"	69	6' 5"	M		
"	61	3' 10"	M	"	"	59	2' 11"	M		
"	60	5' 1"	F	"	"	66	7' 3"	M		
5/7	62	5' 2"	F	"	2/8	69	9' 5"	F		
6/7	61	5' 0"	M	"	"	61	4' 8"	F		
7/7	62	{5' 7"	M	"	"	64	10' 3"	F		
"	"	{5' 9"	M	"	"	67	4' 10"	F		
8/7	62	{5' 11"	F	"	"	65	8' 8"	M		
"	62	7' 5"	M	"	"	63	9' 0"	F		

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>Kamtchatka</i> (cont.).	$\frac{2}{s}$	64	5' 3"	F	<i>Kamtchatka</i> (cont.).	$\frac{4}{9}$	70	12' 6"	M	
	"	67	2' 10"	F		"	65	14' 4"	F	
	"	65	7' 8"	F		"	68	13' 4"	M	
	"	64	9' 2"	F		"	69	11' 5"	F	
	$\frac{3}{s}$	66	8' 0"	F		"	$\frac{5}{9}$	63	12' 10"	M
	"	63	9' 8"	M		"	"	60	8' 4"	F
	"	68	8' 5"	M		"	"	64	2' 11"	M
	"	64	5' 0"	F		"	"	59	4' 6"	M
	"	67	6' 0"	F		"	"	61	9' 8"	M
	"	63	8' 2"	M		"	$\frac{6}{9}$	62	7' 10"	M
	"	66	9' 7"	M		"	"	62	12' 2"	M
	"	65	11' 9"	F		"	$\frac{7}{9}$	69	12' 0"	M
	$\frac{4}{s}$	66	6' 3"	M		"	"	65	16' 0"	F
	"	61	9' 10"	F		"	$\frac{8}{9}$	65	12' 0"	M
	"	62	2' 10"	M		"	"	61	11' 10"	M
	"	67	8' 7"	F		"	"	63	5' 1"	M
	"	66	3' 10"	F		"	$\frac{9}{9}$	59	12' 4"	F
	"	66	3' 4"	F		"	$\frac{10}{0}$	64	10' 8"	M
	"	62	5' 5"	F		"	"	64	12' 4"	F
	$\frac{5}{s}$	66	3' 2"	F		"	$\frac{11}{9}$	70	13' 2"	F
	"	66	8' 2"	M		"	"	62	11' 9"	M
	"	66	8' 0"	F		"	"	68	12' 6"	M
	$\frac{7}{s}$	67	8' 4"	F		"	"	61	10' 6"	M
	$\frac{9}{s}$	68	10' 0"	F		"	$\frac{12}{9}$	68	12' 8"	M
	"	67	1' 1"	M		"	"	58	7' 4"	M
	$\frac{10}{s}$	65	5' 2"	M		"	"	65	16' 5"	F
	$\frac{11}{s}$	67	9' 4"	F		"	"	63	9' 6"	M
	"	67	8' 6"	M		"	"	60	11' 4"	F
	"	67	9' 6"	F		"	"	65	10' 0"	F
	$\frac{21}{s}$	64	9' 2"	M		"	"	67	7' 11"	F
	"	63	6' 2"	F		"	$\frac{13}{9}$	61	11' 3"	F
	"	62	5' 3"	F		"	"	68	12' 8"	M
	$\frac{22}{s}$	61	4' 7"	M		"	"	65	3' 0"	M
	$\frac{23}{s}$	66	8' 0"	M		"	"	66	12' 8"	M
	"	65	11' 3"	M		"	$\frac{14}{9}$	71	11' 8"	M
	$\frac{24}{s}$	65	12' 2"	M		"	"	65	14' 7"	F
	"	62	8' 9"	M		"	"	64	13' 6"	F
	"	68	11' 2"	M		"	"	67	14' 8"	F
	$\frac{25}{s}$	66	12' 4"	F		"	"	61	9' 4"	F
	"	62	5' 0"	M		"	$\frac{15}{9}$	61	11' 0"	M
	"	59	6' 10"	M		"	"	62	10' 4"	F
	$\frac{26}{s}$	62	6' 2"	F		"	"	67	9' 0"	M
	"	60	8' 8"	F		"	"	66	14' 0"	M
	$\frac{27}{s}$	67	6' 8"	F		"	$\frac{16}{9}$	67	15' 8"	M
	"	65	11' 6"	M		"	$\frac{17}{9}$	61	11' 4"	M
	"	66	9' 10"	F		"	"	67	14' 3"	F
	$\frac{28}{s}$	60	8' 10"	M		"	"	67	12' 0"	M
	"	61	11' 0"	F		"	"	63	9' 9"	F
	"	64	10' 4"	F		"	"	60	14' 7"	M
"	67	13' 8"	M	"	$\frac{18}{9}$	64	13' 11"	F		
$\frac{29}{s}$	62	7' 10"	F	"	"	61	4' 8"	M		
"	65	12' 9"	F	"	"	63	8' 8"	F		
"	62	8' 6"	F	"	"	64	12' 1"	F		
"	69	5' 10"	M	"	"	62	9' 0"	F		
$\frac{1}{9}$	64	10' 8"	M	"	"	60	9' 11"	M		
$\frac{2}{9}$	61	8' 0"	F	"	$\frac{20}{9}$	64	9' 0"	F		
"	61	7' 6"	M	"	"	65	11' 11"	M		

Table No. 9 (continued).

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
<i>Kamchatka</i> (cont.)	20/9	66	13' 4"	M	<i>Kamchatka</i> (cont.)	21/9	62	12' 8"	F
	"	64	13' 0"	F		22/9	63	11' 11"	M
	21/9	67	11' 4"	M		"	66	9' 11"	F
	"	62	12' 3"	M		"	64	9' 9"	F
	"	66	15' 11"	F		"	69	13' 4"	F
	"	59	13' 0"	F		"			

## Humpback foetuses.

<i>British Columbia.</i> Average length of foetuses: 4' 5"	25/6	42	1' 4"	M	<i>Kamchatka</i> (cont.)	19/7	42	3' 4"	M
	15/8	42	3' 4"	M		20/7	42	2' 9"	F
	25/8	45	8' 4"	M		2/8	41	3' 9"	M
	1/9	46	4' 6"	F	<i>Australia.</i> Average length of foetuses: 12' 2"	7/6	47	15' 2"	?
<i>Kamchatka.</i> Average length of foetuses: 1' 11"	15/6	43	2' 6"	M		18/6	44	10' 9"	F
	21/6	43	2' 1"	F		21/6	43	11' 2"	F
	22/6	42	1' 3"	F		"	41	8' 3"	M
	24/6	40	0' 10"	F		27/6	42	13' 8"	M
	29/6	47	2' 4"	F		29/6	44	13' 6"	F
	30/6	46	1' 0"	F		16/7	44	13' 2"	F
	3/7	41	0' 11"	F		18/7	43	14' 7"	F
	4/7	44	2' 6"	M		19/7	43	14' 2"	F
	"	46	2' 1"	F		"	44	13' 2"	F
	5/7	44	2' 2"	M		21/7	44	13' 10"	M
	"	46	1' 10"	M		22/7	42	12' 10"	F
	"	47	1' 11"	M		23/7	44	15' 4"	F
	"	43	1' 3"	F		25/7	42	15' 8"	F
	"	47	1' 1"	F		26/7	44	14' 10"	F
	"	43	1' 6"	F		"	45	14' 8"	F
	"	46	1' 11"	F		"	45	8' 0"	F
	"	39	1' 2"	M		"	41	14' 9"	F
	"	43	1' 1"	M		27/7	42	14' 2"	M
	"	39	0' 7"	M		23/7	46	15' 6"	M
	"	43	1' 10"	M		"	46	9' 0"	M
	"	44	0' 3"	?		29/7	46	12' 4"	F
	6/7	44	1' 7"	F		"	42	13' 5"	M
	"	41	0' 3"	?		3/7	44	12' 6"	F
	"	43	2' 7"	F		31/7	42	12' 9"	F
	7/7	40	2' 5"	F		"	44	15' 0"	F
	"	41	3' 0"	F		"	43	14' 5"	M
	"	46	1' 5"	M	1/8	42	11' 7"	F	
10/7	44	0' 9"	F	4/8	48	14' 6"	M		
"	44	2' 8"	M	5/8	43	12' 8"	F		
13/7	43	2' 3"	M	6/8	44	13' 8"	F		
14/7	42	1' 1"	F	"	41	14' 8"	F		
17/7	46	2' 4"	M	"	44	13' 5"	F		
"	45	1' 3"	F	8/8	43	12' 10"	F		
"	45	3' 1"	F	"	47	13' 10"	M		
"	42	2' 9"	F	9/8	46	13' 0"	M		
"	45	2' 3"	M	"	41	13' 9"	M		
18/7	42	1' 11"	F	"	43	13' 9"	M		
"	41	2' 0"	F	10/8	40	14' 6"	F		
"	44	2' 5"	F	"	45	11' 11"	M		
"	46	2' 4"	M	11/8	49	15' 11"	M		
19/7	46	2' 8"	F	"	40	12' 7"	F		
"	46	1' 9"	F	"	41	13' 0"	F		
"	46	1' 9"	F	"	44	13' 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>Australia</i> (cont.).	11/8	41	11' 9"	M	<i>Australia</i> (cont.).	26/8	46	13' 7"	M	
	12/8	40	11' 0"	M		27/8	45	12' 8"	M	
	13/8	49	13' 7"	F		27/8	43	14' 9"	F	
	14/8	45	14' 6"	F		28/8	40	12' 0"	F	
	»	43	11' 2"	M		29/8	45	12' 6"	F	
	»	48	10' 6"	F		»	43	13' 2"	F	
	15/8	43	13' 8"	M		»	46	14' 0"	M	
	»	46	11' 9"	M		30/8	45	15' 0"	F	
	»	44	15' 4"	F		»	45	14' 4"	F	
	»	38	11' 6"	F		»	39	11' 8"	M	
	16/8	47	14' 6"	M		31/8	45	14' 3"	F	
	17/8	49	13' 0"	F		»	42	10' 8"	M	
	»	43	13' 9"	F		»	40	0' 5/8"	?	
	19/8	44	0' 1/4"	?		3/9	42	0' 3/32"	?	
	»	43	0' 2/5"	?		»	46	13' 6"	F	
	»	46	12' 10"	F		12/9	41	12' 7"	M	
	20/8	43	12' 10"	M		22/9	44	13' 10"	F	
	»	48	8' 10"	?		<i>New Zealand.</i> Average length of foetuses: 14' 3"	18/6	42	12' 4"	M
	»	46	12' 6"	M			30/6	45	16' 0"	M
	»	43	0' 3/16"	?			3/7	41	14' 6"	F
	23/8	48	11' 5"	F			14/7	46	13' 2"	M
	24/8	46	13' 6"	F			27/7	49	15' 6"	F
	»	45	12' 1"	F			10/8	42	14' 3"	M
	»	44	0' 7/16"	?			»	43	13' 10"	F
	25/8	43	12' 9"	M			»			

## Sei-whale foetuses.

<i>Natal.</i> Average length of foetuses: 9' 0"	5/5	42	7' 0"	M	<i>Japan</i> (cont.).	9/10	46	10' 6"	F
	14/6	52	11' 0"	M		15/10	45	7' 2"	F
	»	»	»	»		20/10	47	10' 3"	M
	»	»	»	»		25/10	49	12' 0"	M
<i>Iceland.</i>	12/8	45	9' 0"	F	»	47	2' 5"	M	
<i>Faroe Islands.</i>	1/8	45	5' 0"	M	<i>Kamtchatka.</i> Average length of foetuses: 4' 10"	17/5	50	3' 1"	M
<i>British Columbia.</i> Average length of foetuses: 3' 7"	11/5	47	2' 6"	M		19/5	54	0' 3/4"	?
	13/5	47	3' 5"	F		20/5	51	2' 1"	M
	7/6	46	3' 2"	M		29/5	47	3' 2"	F
	9/6	44	3' 2"	M		2/6	47	3' 8"	M
	13/6	46	3' 4"	M		»	47	4' 3"	M
	17/6	48	4' 6"	M		»	47	3' 4"	F
	20/6	47	4' 6"	M		10/6	48	2' 0"	M
	»	43	3' 1"	M		22/6	44	3' 4"	F
	21/6	47	4' 10"	M		»	51	3' 5"	F
	»	43	3' 1"	M		28/6	46	2' 11"	F
	»	47	4' 10"	M		»	48	3' 8"	M
	»	46	2' 4"	M		»	48	3' 1"	F
23/6	45	3' 6"	M	»		50	4' 7"	F	
24/6	37	4' 11"	M	»		48	4' 3"	M	
<i>Japan.</i> Average length of foetuses: 9' 0"	20/7	43	8' 1"	F		»	53	1' 11"	F
	22/7	44	6' 7"	M	»	51	2' 11"	M	
	15/8	44	8' 0"	F	»	47	6' 9"	F	
	1/9	46	7' 3"	M	»	46	4' 3"	M	
	»	»	»	»	7/7	49	5' 2"	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. in.					Engl. ft. Engl. in.		
<i>Kamchatka</i>	7/7	48	6' 2"	F	<i>Kamchatka</i>	27/7	46	3' 6"	M
(cont.)	8/7	49	4' 7"	M	(cont.)	"	48	7' 1"	M
	9/7	49	7' 8"	M		"	49	6' 10"	F
	"	47	6' 5"	M		"	49	9' 0"	M
	"	48	6' 11"	M		"	47	7' 10"	F
	12/7	50	7' 6"	F		"	51	9' 2"	F
	16/7	50	5' 11"	F		"	48	6' 2"	M
	18/7	49	7' 1"	M		"	49	6' 5"	M
	22/7	50	3' 11"	M					

## Sperm-whale foetuses.

<i>Natal.</i>					<i>Japan</i>	11/6	35	0' 3"	M
Average length	24/4	36	2' 0"	M	(cont.)	14/6	35	9' 0"	F
of foetuses:	27/4	35	1' 0"	M		18/6	36	3' 1"	F
5' 9"	"	35	4' 6"	F		4/7	36	1' 2"	M
	"	35	3' 0"	F		17/7	35	11' 0"	M
	29/5	35	4' 0"	M		18/7	36	10' 3"	M
	21/6	36	6' 0"	F		19/7	35	10' 2"	F
	7/8	35	8' 0"	M		30/7	36	12' 7"	F
	12/8	35	6' 0"	M		4/8	36	2' 1"	M
	"	35	9' 0"	M		5/8	36	2' 6"	F
	4/9	35	9' 0"	F		11/8	35	13' 0"	F
	"	35	11' 0"	M		12/8	36	2' 0"	F
<i>British Columbia.</i>						19/8	35	12' 0"	F
Average length	9/5	35	9' 10"	F		22/8	35	2' 2"	M
of foetuses:	"	35	8' 7"	F		29/8	36	2' 11"	M
9' 3"						"	35	11' 0"	F
<i>Japan.</i>						1/9	35	3' 3"	M
Average length	4/4	36	12' 1"	M		5/9	35	2' 6"	F
of foetuses:	10/4	37	11' 0"	F		"	35	2' 1"	F
6' 9"	17/4	35	7' 0"	F		21/9	36	2' 2"	M
	23/4	36	8' 6"	M		"	36	1' 8"	F
	"	35	9' 0"	F		24/9	36	3' 2"	F
	26/4	36	10' 0"	M		28/9	36	2' 3"	M
	19/5	36	0' 9"	F		6/10	35	3' 1"	M
	20/5	37	14' 8"	M		9/10	35	2' 8"	F
	28/5	36	13' 10"	F		"	36	4' 2"	M
	29/5	36	13' 0"	F		10/10	35	4' 2"	M
	5/6	35	13' 2"	F		16/10	36	3' 7"	F
	"	35	10' 0"	M		27/10	36	4' 5"	F
						15/11	35	3' 0"	F

