

INTERNATIONAL  
WHALING STATISTICS

XXVII

EDITED BY  
THE COMMITTEE FOR WHALING STATISTICS



OSLO 1952

DET NORSKE HVALRÅDS STATISTISKE PUBLIKASJONER

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PRINTED BY  
GRØNDAHL & SØN, OSLO

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## PREFACE

The present publication, International Whaling Statistics No. XXVII, contains statistics covering the Antarctic season 1949–50 and whaling on grounds outside the Antarctic in 1950. The Committee for International Whaling Statistics has received reports from all the companies which, to the knowledge of the Committee, carried on whaling in 1950.

As mentioned in the preface of publication no. XXV the figures for the U.S.S.R. catch in the Antarctic in 1948–49 were based on preliminary reports. The complete returns have now been examined and the tables in the present publication recording the whaling results in 1949 have been revised accordingly.

The Committee has received reports from the Spanish company "Industrial Maritima S.A.", showing that this company carried on whaling from the shore station "Benzu" at Spanish Morocco with 2 catchers in 1948 and 1949. (In 1948 the Norwegian company "A/S Hektor" had been operating from the same shore station and with the same catchers earlier in the season.) The statistical data received, however, arrived too late for being included in the introductory tables of this volume, but a preliminary specification of the additional whaling results from Spanish Morocco is given on the last page of the introduction, page 28.

Oslo, 15th January 1952.

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## INTRODUCTION

International Whaling Statistics No. XXVI contained a specification of the whaling results in the Antarctic during the season 1949-50. The present volume gives details of whaling on grounds outside the Antarctic in 1950. However, in order to give a complete picture of the world aggregate of whales killed and the total oil production, the whaling results for the Antarctic season 1949-50 are included in this publication. All whaling operations in the Antarctic during the season 1949-50 are thus included in the calendar year 1950, although part of the Antarctic whaling has been carried on during the last months of 1949.

Whaling outside Antarctic has in 1950 been carried on from the following grounds:

*Africa:* Natal, Cape Province, Madagascar, Indian Ocean, French Congo, Spanish Morocco.

*Brazil.*

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

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

*Chile, Australia, New Zealand.*

These whaling grounds are mainly the same as those operated in the previous season. The following exceptions may be mentioned: The California ground in the Pacific North was operated in 1949 but not in 1950. On the other hand whaling from Spanish Morocco (latest operated in 1948), from Spain (latest operated in 1927), and from Scotland (latest operated in 1929) was resumed in 1950.

It will be observed from table *a*, next page, that whaling outside the Antarctic waters was carried on in 1950 by 40 shore stations and 4 floating factories with a total of 153 catchers. That is 1 shore station and 9 catchers more than in 1949. The aggregate figures of the whaling apparatus in



operation in the Antarctic and other waters in 1949-50 amounted to 43 shore stations, 22 floating factories and 390 catchers. Compared with 1948-49 this means an increase of 1 shore station and 34 catchers.

In 1949-50 the total number of whales killed in the Antarctic and on other grounds amounted to 45,060, yielding a total output of 2,549,204 barrels of whale- and sperm-oil. Of this, 2,166,505 barrels were produced in Antarctic and 382,699 barrels on other grounds (see survey below).

Season. <sup>1)</sup>	Total of whales killed.	Of which:		Total oil production.	Of which:	
		In Antarctic.	On other grounds.		In Antarctic.	On other grounds.
				Barrels.	Barrels.	Barrels.
1944-45.....	5,906	2,891	3,015	304,318	223,540	80,778
1945-46.....	19,348	13,387	5,961	948,715	818,652	130,063
1946-47.....	34,720	25,593	9,127	2,186,749	1,939,742	247,007
1947-48.....	43,331	31,318	12,013	2,436,951	2,104,051	332,900
1948-49.....	43,814	31,435	12,379	2,594,838	2,219,606	375,232
1949-50.....	45,060	32,396	12,664	2,549,204	2,166,505	382,699

<sup>1)</sup> 1944-45 = Antarctic season 1944-45 and summer 1945 a.s.o.

The number of whales killed and the output of oil in the Antarctic increased considerably during the first 3 post-war seasons. During the last 3 seasons the results have remained at a more constant level—as to the oil production, about 2 million barrels. As commonly known, pelagic whaling in the Antarctic has been limited to 16,000 blue-whale units, and as long as this maximum quota is maintained and attained the Ant-

**Table a.—Whaling material in operation in the years 1936/37—1949/50.**

Years. <sup>1)</sup>	All whaling grounds.			Antarctic.			Others.		
	Shore stations.	Floating factories.	Catchers.	Shore stations.	Floating factories.	Catchers.	Shore stations.	Floating factories.	Catchers.
1936-37	31	41	354	2	30	196	29	11	158
1937-38	37	35	357	2	31	256	35	4	101
1938-39	16	37	359	2	34	281	14	3	73
1939-40	9	29	306	2	28	240	7	1	66
1940-41	8	14	175	1	11	93	7	3	82
1941-42	8	2	52	2	—	12	6	2	40
1942-43	8	2	51	1	—	6	7	2	45
1943-44	9	1	63	1	1	15	8	—	48
1944-45	9	1	63	1	1	15	8	—	48
1945-46	32	11	171	3	9	93	29	2	78
1946-47	35	20	256	3	15	147	32	5	109
1947-48	45	21	323	3	17	183	42	4	140
1948-49	42	22	356	3	18	212	39	4	144
1949-50	43	22	390	3	18	237	40	4	153

<sup>1)</sup> 1936-37 = Antarctic season 1936-37 and summer 1937, a.s.o.

Table b.—Whales killed in the years 1936/37—1949/50, by species.

Years. <sup>1)</sup>	Blue.	Fin.	Hump- back.	Sei.	Sperm.	Others.	Total of whales.
1936-37.....	14,652	17,727	9,863	1,236	7,197	911	51,586
1937-38.....	15,035	29,680	5,125	929	3,734	370	54,873
1938-39.....	14,152	22,622	1,393	815	5,500	1,290	45,772
1939-40.....	11,560	19,722	454	538	4,671	764	37,709
1940-41.....	5,028	9,150	2,939	807	5,565	149	23,638
1941-42.....	81	2,169	306	373	4,992	151	8,072
1942-43.....	151	1,809	288	506	5,344	248	8,346
1943-44.....	353	2,204	282	989	2,291	78	6,197
1944-45.....	1,111	2,617	303	218	1,656	1	5,906
1945-46.....	3,675	10,984	495	747	3,425	22	19,348
1946-47.....	9,302	16,495	290	1,131	7,446	56	34,720
1947-48.....	7,157	24,002	515	1,569	9,780	303	43,331
1948-49.....	7,781	21,708	3,395	1,837	8,901	192	43,814
1949-50.....	6,313	22,902	5,063	2,471	8,186	125	45,060

<sup>1)</sup> 1936-37 = Antarctic season 1936/37 and summer 1937, a.s.o.

arctic whaling may be assumed to yield about 2.1-2.2 million barrels of oil, including the South Georgia production and the sperm-oil production.

When considering the whaling on grounds outside the Antarctic, also here a considerable, but rather uniform increase will be observed. As known, whaling activities outside the Antarctic waters are carried on unrestricted by quota limitations. The essential regulation is the restriction of the whaling period to 6 months, and the prohibition to use floating factories for the purpose of taking baleen whales. Concerning the last mentioned regulation, exceptions have been made for certain areas in the Pacific. Further, floating factories operating off the coast of Madagascar, off the coast of French West Africa and the west coast of Australia, are in effect to be considered as shore stations, if the floating factories are operating under French and Australian jurisdiction respectively, and their movements are confined solely to the territorial waters of these Governments. Pursuant to this regulation, 2 floating factories have been engaged in humpback whaling off the coast of Madagascar and the coast of French Congo in 1949 and 1950. The whaling results on the individual grounds during the last season compared with previous seasons will be commented on later in this publication.

Table *b*, above, records the number of whales killed each year from 1936-37, registered by species. During the last season the total number of whales killed amounted to 45,060 against 43,814 during the season 1948-49. Since the commencement of modern whaling a greater number of whales killed has formerly been recorded in 3 seasons only (1936-37, 1937-38, and 1938-39).

The blue-whale catch decreased by 1,468 animals during the season 1949-50. This is entirely due to the decreased blue-whale catch in the Ant-

Table c.—Whales killed in the various main areas 1936/37—1949/50.

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.
1936-37	51,586	100	34,579	67.0	1,910	3.7	3,966	7.7	730	1.4	2,066	4.0	8,335	16.2
1937-38	54,873	100	46,039	83.9	750	1.4	3,044	5.5	483	0.9	1,970	3.6	2,587	4.7
1938-39	45,772	100	38,356	83.8	802	1.7	2,687	5.9	232	0.5	2,280	5.0	1,415	3.1
1939-40	37,709	100	32,900	87.3	78	0.2	1,035	2.7	922	2.4	2,035	5.4	739	2.0
1940-41	23,638	100	16,363	69.2	133	0.6	759	3.2	931	4.0	2,349	9.9	3,103	13.1
1941-42	8,072	100	1,425	17.7	181	2.2	498	6.2	189	2.3	1,148	14.2	4,631	57.4
1942-43	8,346	100	998	11.9	315	3.8	724	8.7	120	1.4	1,491	17.9	4,698	56.3
1943-44	6,197	100	1,799	29.0	411	6.6	819	13.2	5	0.1	2,169	35.0	994	16.1
1944-45	5,906	100	2,891	49.0	585	9.9	729	12.3	—	—	531	9.0	1,170	19.8
1945-46	19,348	100	13,387	69.2	1,145	5.9	984	5.1	113	0.6	1,750	9.0	1,969	10.2
1946-47	34,720	100	25,593	73.7	1,063	3.1	1,406	4.0	402	1.2	1,642	4.7	4,614	13.3
1947-48	43,331	100	31,318	72.3	1,693	3.9	2,261	5.2	492	1.1	1,590	3.7	5,977	13.8
1948-49	43,814	100	31,435	71.7	1,575	3.6	4,832	11.0	509	1.2	1,483	3.4	3,980	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

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

Table d.—Oil production in the years 1936/37—1949/50.

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.
1936-37	3,218,722	9,092	2,658,108	13,562	69,144	1,921	169,772	4,353
1937-38	3,641,314	10,200	3,340,330	13,048	22,097	1,004	139,102	6,323
1938-39	3,011,813	8,389	2,820,771	10,038	26,066	1,241	106,793	5,085
1939-40	2,668,756	8,721	2,544,253	10,601	2,950	2,950	40,419	3,674
1940-41	1,268,081	7,246	1,100,008	11,828	1,855	1,855	26,638	5,328
1941-42	213,948	4,114	77,819	6,485	<sup>3)</sup> 1,855	1,855	19,740	3,948
1942-43	212,307	4,163	50,960	8,493	5,564	2,782	27,373	5,475
1943-44	224,207	3,559	132,001	8,800	8,963	2,241	29,380	5,876
1944-45	304,318	4,830	223,540	14,903	14,121	1,569	23,189	4,638
1945-46	948,715	5,548	818,652	8,803	39,472	2,077	30,552	3,819
1946-47	2,186,749	8,542	1,939,742	13,196	35,757	1,703	47,677	2,649
1947-48	2,436,951	7,545	2,104,051	11,498	61,016	2,034	63,352	2,640
1948-49	2,594,838	7,289	2,219,606	10,470	58,840	1,961	182,994	4,692
1949-50	2,549,204	6,536	2,166,505	9,141	63,612	1,988	154,134	3,585
1936-37	Per cent	100.0	Per cent	82.6	Per cent	2.1	Per cent	5.3
1937-38		100.0		91.8		0.6		3.8
1938-39		100.0		93.7		0.9		3.5
1939-40		100.0		95.3		0.1		1.5
1940-41		100.0		86.7		0.1		2.1
1941-42		100.0		36.4		0.9		9.2
1942-43		100.0		24.0		2.6		2.9
1943-44		100.0		58.9		4.0		13.1
1944-45		100.0		73.5		4.6		17.6
1945-46		100.0		86.3		3.9		3.2
1946-47		100.0		88.7		1.6		2.2
1947-48		100.0		86.3		2.5		2.6
1948-49		100.0		85.5		2.3		7.1
1949-50		100.0		85.0		2.5		6.0

<sup>1)</sup> Exclusive Spain, Portugal, Azores, and Madeira. <sup>2)</sup> Barrel = 170 kg. (Barrel = abt. 1/4 long ton, 1 long ton = 1,016 kg.) <sup>3)</sup> Calculated.

Table e.—Sperm-oil production in the years 1938/39—1949/50.<sup>1)</sup>

Grounds.	<sup>2)</sup> 1938-39	1939-40	1940-41	1945-46	1946-47	1947-48	1948-49	1949-50
	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels
South Georgia . . . . .	6,971	4,245	1,400	2,686	5,987	5,816	9,175	7,908
Antarctic, pelagic . . . . .	144,775	102,710	44,792	11,059	66,054	131,093	202,560	130,400
Africa:—								
Natal . . . . .	16,083	14,672	13,573	19,334	14,272	20,391	20,009	13,991
Cape Province . . . . .	—	—	—	—	1,485	2,999	4,380	3,300
South of Madagascar . . . . .	1,291	—	—	—	—	—	—	400
Indian Ocean . . . . .	—	—	—	—	—	—	—	1,000
Spanish Morocco . . . . .	—	—	—	—	—	913	—	1,236
Atlantic and Arctic:—								
Azores . . . . .	6,920	10,047	8,358	11,917	12,974	15,555	10,421	10,907
Madeira . . . . .	—	—	—	2,565	2,585	4,129	2,290	387
Spain . . . . .	—	—	—	—	—	—	—	52
Portugal . . . . .	—	—	<sup>3)</sup> —	645	1,080	1,076	597	139
Norway . . . . .	737	—	—	1,059	841	2,766	1,043	3,846
Faroe Islands . . . . .	558	—	—	578	621	1,595	2,030	1,981
Iceland . . . . .	183	—	—	—	—	864	1,425	485
West Greenland . . . . .	—	—	—	—	—	—	88	108
Newfoundland . . . . .	840	—	—	649	1,212	757	3,377	1,758
Pacific North:—								
California . . . . .	—	—	27	—	140	1,221	920	—
British Columbia . . . . .	—	<sup>4)</sup> 5,040	<sup>4)</sup> 9,550	—	—	1,170	2,312	1,468
Alaska . . . . .	2,655	—	—	—	—	—	—	—
Pelagic whaling . . . . .	—	6,281	5,570	—	—	—	—	—
Kamtschatka . . . . .	7,904	—	<sup>4)</sup> 8,000	<sup>4)</sup> 12,500	—	23,975	30,651	24,706
Kurul Islands . . . . .	—	—	—	—	—	9,817	24,042	34,353
Japan . . . . .	10,961	22,280	21,964	3,148	4,862	11,054	10,060	22,512
Bonin Island, pelagic . . . . .	—	—	—	118	736	607	724	2,003
Peru, pelagic . . . . .	—	—	41,359	—	105,986	88,205	—	—
Chile . . . . .	5,928	2,234	1,626	12,699	21,160	17,533	18,243	22,575
Total <sup>1)</sup>	205,806	167,509	156,219	78,957	239,995	341,536	344,347	285,515

<sup>1)</sup> During the war years 1941/42—1944/45, for which figures are omitted in this table, the total sperm-oil production was as follows: In 1941-42 106,185 barrels, 1942-43 120,461 barrels, 1943-44 58,957 barrels, and 1944-45 46,682 barrels. <sup>2)</sup> 1938-39 = Antarctic season 1938-39 and summer 1939, a.s.o. <sup>3)</sup> No information received as to production of sperm-oil. <sup>4)</sup> Calculated.

arctic in this season. Apart from the war-time results and the first post-war season, last season's blue-whale catch is the lowest recorded since 1924. The increase in the fin-whale catch by about 1,200 animals is also mainly due to last season's increased fin-whale catch in the Antarctic as compared with 1948-49.

In 1949-50 5,063 humpbacks were killed, against 3,395 during the previous season. This increase is a consequence of the resumed humpback-whaling by the pelagic expeditions with 2,117 animals. As commonly known pelagic whaling of humpbacks in the Antarctic has been forbidden during the post-war seasons. By resolution at the conference of the International Whaling Commission in 1949 this prohibition was temporarily suspended and a quota of 1,250 humpbacks was decided upon for each of the seasons 1949-50 and 1950-51. On grounds outside Antarctic the number of humpbacks killed decreased to 2,920 in 1950 against 3,364 in 1949. The catch on the Madagascar ground failed, and the floating factory

Table f.—Whaling results for the various countries 1936/37—1949/50. 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>															
1936-37.....	51,586	1,014	—	21,387	375	1,089	920	79	4,025	—	<sup>2)</sup> 15,943	2,389	288	3,659	418
1937-38.....	54,873	1,062	—	19,542	338	208	5,839	147	7,552	—	<sup>2)</sup> 15,355	1,527	388	2,650	265
1938-39.....	45,772	1,024	—	14,104	469	178	5,066	130	9,820	—	<sup>2)</sup> 11,871	907	389	1,338	476
1939-40.....	37,709	705	—	13,207	78	—	—	—	9,698	—	11,040	1,421	552	1,008	—
1940-41.....	23,638	868	—	4,361	59	—	—	—	12,920	—	4,362	—	501	24	543
1941-42.....	8,072	1,066	—	1,162	54	—	—	—	1,148	—	3,456	—	606	26	554
1942-43.....	8,346	998	—	1,057	61	—	—	—	1,491	—	3,462	—	770	29	478
1943-44.....	6,197	962	—	1,171	430	—	—	—	2,169	—	984	—	476	5	—
1944-45.....	5,906	1,296	—	1,229	495	—	—	—	531	—	1,787	—	568	—	—
1945-46.....	19,348	1,082	—	6,682	598	175	—	—	1,863	—	7,687	—	795	—	466
1946-47.....	34,720	857	25	14,736	851	284	—	—	3,181	770	12,857	—	735	38	386
1947-48.....	43,331	814	36	17,150	1,116	302	—	239	3,157	1,294	16,104	—	948	67	2,104
1948-49.....	43,814	919	33	14,811	991	335	—	324	3,331	1,366	16,570	1,356	602	49	3,122
1949-50.....	<sup>3)</sup> 45,660	946	128	12,782	1,093	478	—	265	4,121	1,295	17,234	—	448	—	3,931
<i>Percentage figures:</i>															
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1936-37.....	100.0	2.0	—	41.5	0.7	2.1	1.8	0.1	7.8	—	30.9	4.6	0.6	7.1	0.8
1937-38.....	100.0	1.9	—	35.6	0.6	0.4	10.6	0.3	13.8	—	28.0	2.8	0.7	4.8	0.5
1938-39.....	100.0	2.2	—	30.8	1.0	0.4	11.1	0.3	21.5	—	25.9	2.0	0.9	2.9	1.0
1939-40.....	100.0	1.9	—	35.0	0.2	—	—	—	25.7	—	29.3	3.8	1.4	2.7	—
1940-41.....	100.0	3.7	—	18.4	0.2	—	—	—	54.7	—	18.5	—	2.1	0.1	2.3
1941-42.....	100.0	13.2	—	14.4	0.7	—	—	—	14.2	—	42.8	—	7.5	0.3	6.9
1942-43.....	100.0	12.0	—	12.7	0.7	—	—	—	17.9	—	41.5	—	9.2	0.3	5.7
1943-44.....	100.0	15.5	—	18.9	6.9	—	—	—	35.0	—	15.9	—	7.7	0.1	—
1944-45.....	100.0	21.9	—	20.8	8.4	—	—	—	9.0	—	30.3	—	9.6	—	—
1945-46.....	100.0	5.6	—	34.6	3.1	0.9	—	—	9.6	—	39.7	—	4.1	—	2.4
1946-47.....	100.0	2.5	0.1	42.4	2.5	0.8	—	—	9.2	2.2	37.0	—	2.1	0.1	1.1
1947-48.....	100.0	1.9	0.1	39.6	2.6	0.7	—	0.5	7.3	3.0	37.2	—	2.2	0.1	4.8
1948-49.....	100.0	2.1	0.1	33.8	2.3	0.8	—	0.7	7.6	3.1	37.8	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

<sup>1)</sup> Specification for countries of the British Commonwealth is given on the second following page. <sup>2)</sup> Including the catch of two Norwegian expeditions hired by Germany—in 1936/37 1,756 whales, in 1937/38 2,158 whales, and in 1938/39 1,658 whales. <sup>3)</sup> The whaling results for France—2,193 whales = 4.9 per cent of all whales killed, and for Spain—146 whales = 0.3 per cent, are included in this total figure.

Table g.—Whaling results for the various countries 1936/37—1949/50. 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>															
1936-37	3,218,722	47,377	—	1,287,627	10,137	79,535	61,992	2,862	189,012	— <sup>3)</sup>	1,191,772	181,495	—	150,433	16,480
1937-38	3,641,314	51,766	—	1,308,015	9,345	6,101	369,727	4,920	422,036	— <sup>3)</sup>	1,169,069	117,650	7,284	166,299	9,102
1938-39	3,011,813	66,826	—	1,007,223	7,512	5,197	374,149	3,764	496,260	— <sup>3)</sup>	853,867	68,853	6,920	102,388	18,854
1939-40	2,668,756	39,432	—	938,147	2,234	—	—	—	593,499	—	909,790	113,000	10,047	62,607	—
1940-41	1,268,081	44,498	—	274,987	1,626	—	—	—	674,319	—	244,676	—	9,057	683	18,235
1941-42	213,948	60,807	—	47,745	1,546	—	—	—	10,832	—	64,500	—	13,070	948	14,500
1942-43	212,307	50,960	—	39,932	2,111	—	—	—	16,723	—	72,000	—	13,880	760	15,941
1943-44	224,207	50,001	—	40,973	15,830	—	—	—	25,182	—	82,000	—	10,073	148	—
1944-45	304,318	75,540	—	40,401	21,066	—	—	—	6,082	—	149,391	—	11,838	—	—
1945-46	948,715	45,028	—	307,048	17,861	3,981	—	—	5,837	—	536,803	—	16,016	—	16,141
1946-47	2,186,749	47,830	835	901,597	25,036	6,286	—	—	80,244	77,310	991,709	—	19,537	1,365	35,000
1947-48	2,436,951	44,965	1,060	949,235	28,522	10,277	—	9,000	120,716	85,130	1,064,313	—	23,381	2,350	98,002
1948-49	2,594,838	52,518	1,251	927,714	23,382	10,026	—	11,820	134,408	109,849	1,119,514	56,720	13,590	1,493	132,553
1949-50	<sup>4)</sup> 2,549,204	41,348	2,132	767,912	30,231	13,776	—	12,292	197,613	82,792	1,122,466	—	12,058	—	165,442
<i>Percentage figures:</i>															
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1936-37	100.0	1.5	—	40.0	0.3	2.5	1.9	0.1	5.9	—	37.0	5.6	—	4.7	0.5
1937-38	100.0	1.4	—	35.9	0.3	0.2	10.2	0.1	11.6	—	32.1	3.2	0.2	4.6	0.2
1938-39	100.0	2.2	—	33.5	0.2	0.2	12.4	0.1	16.5	—	28.4	2.3	0.2	3.4	0.6
1939-40	100.0	1.5	—	35.2	0.1	—	—	—	22.2	—	34.1	4.2	0.4	2.3	—
1940-41	100.0	3.5	—	21.7	0.1	—	—	—	53.2	—	19.3	—	0.7	0.1	1.4
1941-42	100.0	28.4	—	22.3	0.7	—	—	—	5.1	—	30.2	—	6.1	0.4	6.8
1942-43	100.0	24.0	—	18.8	1.0	—	—	—	7.9	—	33.9	—	6.5	0.4	7.5
1943-44	100.0	22.3	—	18.3	7.0	—	—	—	11.2	—	36.6	—	4.5	0.1	—
1944-45	100.0	24.8	—	13.3	6.9	—	—	—	2.0	—	49.1	—	3.9	—	—
1945-46	100.0	4.7	—	32.4	1.9	0.4	—	—	0.6	—	56.6	—	1.7	—	1.7
1946-47	100.0	2.2	—	41.2	1.1	0.3	—	—	3.7	3.5	45.4	—	0.9	0.1	1.6
1947-48	100.0	1.8	—	39.0	1.2	0.4	—	0.4	5.0	3.5	43.7	—	0.9	0.1	4.0
1948-49	100.0	2.0	—	35.8	0.9	0.4	—	0.5	5.2	4.2	43.1	2.2	0.5	0.1	5.1
1949-50	<sup>4)</sup> 100.0	1.6	0.1	30.1	1.2	0.5	—	0.5	7.8	3.2	44.0	—	0.5	—	6.5

<sup>1)</sup> Barrel = 170 kg. (Barrel = abt.  $\frac{1}{8}$  long ton, 1 long ton = 1,016 kg). <sup>2)</sup> Specification for countries of the British Commonwealth is given on next page. <sup>3)</sup> The figures include the catch of two Norwegian expeditions hired by Germany—in 1936/37 134,200 barrels, in 1937/38 180,750 barrels, and in 1938/39 118,383 barrels. <sup>4)</sup> The whaling results for France—98,660 barrels of oil = 3.9 per cent of the total oil production, and for Spain—2,482 barrels = 0.1 per cent, are included in this total figure.

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

Years	British Commonwealth	Of which					
		United Kingdom	Union of South Africa	Newfoundland	Canada	New Zealand	Australia
1938-39.....	14,104	9,625	4,398	-	-	81	-
1939-40.....	13,207	9,953	2,925	-	220	109	-
1940-41.....	4,361	3,116	759	72	328	86	-
1941-42.....	1,162	359	498	71	163	71	-
1942-43.....	1,057	98	724	54	91	90	-
1943-44.....	1,171	199	819	65	-	88	-
1944-45.....	1,229	216	729	177	-	107	-
1945-46.....	6,682	5,409	984	179	-	110	-
1946-47.....	14,736	10,494	3,972	157	-	111	2
1947-48.....	17,150	11,410	5,115	347	182	92	4
1948-49.....	14,811	9,280	4,749	193	255	141	193
1949-50.....	12,782	8,151	3,695	155	314	79	388
<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	-
1940-41.....	18.4	13.2	3.2	0.3	1.4	0.3	-
1941-42.....	14.4	4.4	6.2	0.9	2.0	0.9	-
1942-43.....	12.7	1.2	8.7	0.6	1.1	1.1	-
1943-44.....	18.9	3.2	13.2	1.1	-	1.4	-
1944-45.....	20.8	3.7	12.3	3.0	-	1.8	-
1945-46.....	34.6	28.0	5.1	0.9	-	0.6	-
1946-47.....	42.4	30.2	11.4	0.5	-	0.3	-
1947-48.....	39.6	26.4	11.8	0.8	0.4	0.2	-
1948-49.....	33.8	21.2	10.8	0.4	0.7	0.3	0.4
1949-50.....	28.4	18.1	8.2	0.3	0.7	0.2	0.9
<b>Oil production in barrels.<sup>1)</sup></b>							
1938-39.....	1,007,223	796,796	207,738	-	-	2,689	-
1939-40.....	938,147	766,209	159,329	-	8,700	3,909	-
1940-41.....	274,987	229,780	26,638	1,855	13,630	3,084	-
1941-42.....	47,745	17,012	19,740	1,855	6,150	2,988	-
1942-43.....	39,932	4,000	27,373	1,564	3,230	3,765	-
1943-44.....	40,973	7,200	29,380	1,763	-	2,630	-
1944-45.....	40,401	7,478	23,189	5,252	-	4,482	-
1945-46.....	307,048	265,112	30,552	7,200	-	4,184	-
1946-47.....	901,597	638,576	252,556	6,600	-	3,825	40
1947-48.....	949,235	685,650	242,187	11,790	5,679	3,864	65
1948-49.....	927,714	673,372	226,419	8,506	7,841	5,838	5,738
1949-50.....	767,912	534,645	198,978	5,353	9,598	2,844	16,494
<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	-
1940-41.....	21.7	18.1	2.1	0.2	1.1	0.2	-
1941-42.....	22.3	7.9	9.2	0.9	2.9	1.4	-
1942-43.....	18.8	1.9	12.9	0.7	1.5	1.8	-
1943-44.....	18.3	3.2	13.1	0.8	-	1.2	-
1944-45.....	13.3	2.5	7.6	1.7	-	1.5	-
1945-46.....	32.4	28.0	3.2	0.8	-	0.4	-
1946-47.....	41.2	29.2	11.5	0.3	-	0.2	-
1947-48.....	39.0	28.1	10.0	0.5	0.2	0.2	-
1948-49.....	35.8	26.0	8.7	0.4	0.3	0.2	0.2
1949-50.....	30.1	21.0	7.8	0.2	0.4	0.1	0.6

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

**Table i.—Average size of whales killed in the different grounds in the years 1937 to 1939, and 1946 to 1950.**

Species of whales and whaling grounds.	1950	1949	1948	1947	1946	1939	1938	1937
	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
<b>Blue-whales.</b>								
Antarctic:—								
South Georgia . . . . .	74.29	76.29	76.28	77.09	73.41	75.81	70.89	71.79
Pelagic whaling . . . . .	79.03	79.06	78.42	78.29	78.25	78.11	78.42	77.49
Africa:—								
Natal . . . . .	68.89	70.29	67.50	68.72	64.83	—	67.00	66.23
Cape Province . . . . .	69.25	68.00	67.00	71.00	—	—	—	—
Madagascar . . . . .	75.00	60.00	—	—	—	—	—	—
Spanish Morocco . . . . .	—	—	72.00	—	—	—	—	—
Brazil:—								
Paraiba . . . . .	—	—	70.00	—	—	—	—	—
North Atlantic and Arctic:								
Scotland . . . . .	71.50	—	—	—	—	—	—	—
Norway . . . . .	68.67	71.75	73.00	70.45	69.41	—	—	—
Faroe Islands . . . . .	69.33	67.50	64.67	70.00	69.60	—	68.00	—
Iceland . . . . .	72.36	74.21	—	—	—	—	—	—
West Greenland . . . . .	—	74.00	77.50	74.75	74.67	—	—	—
Newfoundland . . . . .	71.00	73.47	74.93	75.40	72.91	—	—	—
Pacific North:—								
British Columbia . . . . .	72.50	77.50	—	—	—	—	—	—
Kamtchatka . . . . .	77.40	76.33	—	—	—	—	—	—
Kuril Islands . . . . .	74.50	—	—	—	—	—	—	—
Japan . . . . .	73.86	70.79	71.67	72.90	69.25	—	—	—
Bonin Island . . . . .	—	—	62.00	72.00	—	—	—	—
Peru . . . . .	—	—	68.00	—	—	—	—	—
Chile . . . . .	74.27	74.50	74.20	71.09	—	—	—	—
<b>Fin-whales.</b>								
Antarctic:—								
South Georgia . . . . .	65.23	65.56	65.76	67.54	66.16	65.37	64.52	63.56
Pelagic whaling . . . . .	67.46	67.93	67.94	67.43	67.48	67.21	67.86	67.80
Africa:—								
Natal . . . . .	61.08	61.36	60.54	60.87	63.51	—	60.14	59.91
Cape Province . . . . .	58.82	59.52	57.17	55.93	—	—	—	—
Madagascar . . . . .	66.70	—	—	—	—	—	—	—
Spanish Morocco . . . . .	61.34	—	60.07	—	—	—	—	—
North Atlantic and Arctic:								
Spain . . . . .	61.58	—	—	—	—	—	—	—
Portugal . . . . .	62.32	—	—	—	—	—	—	—
Scotland . . . . .	63.52	—	—	—	—	—	—	—
Norway . . . . .	59.45	60.08	59.28	60.03	60.84	—	—	—
Faroe Islands . . . . .	60.53	60.43	60.62	59.35	60.00	—	—	—
Iceland . . . . .	60.13	61.78	—	—	—	60.62	62.08	62.11
West Greenland . . . . .	59.03	58.05	60.24	58.33	60.38	—	—	—
Newfoundland . . . . .	59.33	59.89	60.18	61.83	60.48	—	—	—
Pacific North:—								
California . . . . .	—	63.90	61.68	60.59	—	—	—	—
British Columbia . . . . .	57.89	59.66	58.03	—	—	—	—	—
Kamtchatka . . . . .	59.78	61.08	—	—	—	—	—	—
Kuril Islands . . . . .	62.43	60.06	—	—	—	—	—	—
Japan . . . . .	57.81	56.83	57.18	58.33	57.29	—	—	—
Bonin Island . . . . .	—	—	56.67	—	—	—	—	—
Peru . . . . .	—	—	55.50	58.00	—	—	—	—
Chile . . . . .	56.19	56.38	57.34	71.09	—	—	—	—



Table i (cont.).

Species of whales and whaling grounds.	1950	1949	1948	1947	1946	1939	1938	1937
	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
<b><u>Humpbacks.</u></b>								
Antarctic:—								
South Georgia . . . . .	40.04	40.17	41.42	38.57	41.47	—	41.53	39.82
Pelagic whaling . . . . .	40.63	41.85	46.00	48.00	—	39.64	41.07	40.59
Africa:—								
Natal . . . . .	38.07	37.89	38.79	38.80	36.99	—	36.41	36.53
Cape Province . . . . .	43.29	44.00	44.86	44.40	—	—	—	—
Madagascar . . . . .	40.45	40.39	—	—	—	—	—	—
French Congo . . . . .	41.01	43.22	—	—	—	—	—	—
Brazil:—								
Paraiba . . . . .	—	—	41.33	—	—	—	—	—
North Atlantic and Arctic:								
Norway . . . . .	39.38	43.00	—	—	—	—	—	—
Faroe Islands . . . . .	44.00	49.00	—	—	42.00	—	—	—
Iceland . . . . .	—	42.50	—	—	—	—	—	—
West Greenland . . . . .	43.67	42.50	40.00	44.40	40.75	—	—	—
Newfoundland . . . . .	39.81	42.00	43.13	37.25	43.20	—	—	—
Pacific North:—								
California . . . . .	—	42.55	43.00	41.85	—	—	—	—
British Columbia . . . . .	39.55	39.75	39.48	—	—	—	—	—
Kamtchatka . . . . .	38.00	—	—	—	—	—	—	—
Kuril Islands . . . . .	—	43.29	—	—	—	—	—	—
Japan . . . . .	41.40	—	41.00	40.25	39.13	—	—	—
Bonin Island . . . . .	44.33	40.50	43.67	44.00	43.00	—	—	—
Chile . . . . .	44.80	46.00	41.50	44.50	—	—	—	—
West Australia . . . . .	40.47	40.68	37.00	37.50	—	—	—	—
New Zealand . . . . .	40.86	40.88	—	—	—	—	—	—
<b><u>Sei-whales.</u></b>								
Antarctic:—								
South Georgia . . . . .	50.01	49.93	49.86	49.44	50.11	50.89	49.94	—
Pelagic whaling . . . . .	51.13	50.69	52.75	46.50	53.33	51.67	51.00	—
Africa:—								
Natal . . . . .	44.40	42.59	43.05	43.18	43.93	—	—	—
Cape Province . . . . .	46.33	45.93	44.76	46.46	—	—	—	—
Madagascar . . . . .	42.33	—	—	—	—	—	—	—
Spanish Morocco . . . . .	50.50	—	—	—	—	—	—	—
Brazil:—								
Paraiba . . . . .	—	—	47.90	—	—	—	—	—
North Atlantic and Arctic:								
Spain . . . . .	50.63	—	—	—	—	—	—	—
Norway . . . . .	45.00	44.67	44.60	44.58	43.64	—	—	—
Faroe Islands . . . . .	45.00	43.86	44.00	42.00	47.00	—	—	—
Iceland . . . . .	—	43.83	—	—	—	—	—	—
West Greenland . . . . .	—	—	47.00	48.50	—	—	—	—
Newfoundland . . . . .	48.44	46.78	45.75	45.50	—	—	—	—
Pacific North:—								
California . . . . .	—	—	—	52.33	—	—	—	—
British Columbia . . . . .	44.83	41.33	46.50	—	—	—	—	—
Kamtchatka . . . . .	49.57	45.33	—	—	—	—	—	—
Kuril Islands . . . . .	49.51	45.68	—	—	—	—	—	—
Japan . . . . .	43.52	42.31	42.94	43.68	42.39	—	—	—
Bonin Island . . . . .	42.19	41.97	42.31	41.97	41.31	—	—	—
Chile . . . . .	—	—	47.00	46.50	—	—	—	—

Table i (cont.).

Species of whales and whaling grounds.	1950	1949	1948	1947	1946	1939	1938	1937
<b>Sperm-whales.</b>	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
Antarctic:—								
South Georgia .....	48.60	46.01	46.74	45.05	47.74	50.33	50.53	50.82
Pelagic whaling .....	50.13	51.08	51.08	50.77	51.56	52.86	53.27	52.81
Africa:—								
Natal .....	41.43	39.38	38.07	39.20	40.20	—	42.12	38.47
Cape Province .....	41.16	41.47	42.97	44.04	—	—	—	—
Madagascar .....	39.51	35.00	—	—	—	—	—	—
Spanish Morocco .....	—	—	37.74	—	—	—	—	—
North Atlantic and Arctic:								
Spain .....	50.67	—	—	—	—	—	—	—
Portugal .....	34.40	—	—	—	—	—	—	—
Norway .....	48.42	49.15	50.57	52.50	48.14	} 51.70	53.15	52.67
Faroe Islands .....	48.65	45.49	49.37	48.40	50.29			
Iceland .....	48.73	48.54	—	—	—			
West Greenland .....	50.40	48.33	45.67	52.67	53.00			
Newfoundland .....	50.62	53.17	48.93	54.06	53.00			
Pacific North:—								
California .....	—	42.93	45.39	43.60	—	—	—	—
British Columbia .....	44.18	42.35	45.29	—	—	—	—	—
Kamtchatka .....	43.07	43.89	—	—	—	—	—	—
Kuril Islands .....	39.95	41.07	—	—	—	—	—	—
Japan .....	38.62	39.98	37.21	37.16	36.77	—	—	—
Bonin Island .....	42.94	42.64	38.31	36.82	37.83	—	—	—
Peru .....	—	—	42.61	43.39	—	—	—	—
Chile .....	43.10	38.62	37.69	40.26	—	—	—	—

operating there in 1949 and 1950 killed about 600 humpbacks less in 1950 than during the previous year.

During the period 1909/10–1949/50 an aggregate of 119,462 humpbacks have been killed. 52,000 of this total—or 43.53 per cent have been taken in the Antarctic. On the African grounds the number of humpbacks killed amounted to 36,459 and on the Australian grounds to 17,052 during the same period, or 30.52 and 14.27 per cent respectively.

In 1949–50 8,186 sperm-whales were killed, i.e. 715 less than during the previous season.

During the period 1909/10–1949/50 a total of 109,592 sperm-whales have been killed. 20,938 or 19 per cent of the total catch have been killed in the Antarctic. During the same period 19,027 sperm-whales have been killed off the east- and west-coasts of Africa, 20,513 off the coast of Peru and 22,237 off Japan and Korea—i.e. 17, 19 and 20 per cent of the total sperm-whale catch respectively.

Tables *c* and *d*, page 10, give the number of whales killed and the oil production in the various main areas during the seasons 1936/37–1949/50. It will be observed that 71.9 per cent of all whales killed in 1949–50 were accounted for in the Antarctic, while the Antarctic oil production during the same season amounted to 85 per cent of the aggregate output.

**Table j.—North Atlantic and Arctic.**  
(Exclusive Spain, Portugal, Azores, and Madeira.—See page 20.)

Grounds.	Years.	Species of whales caught.							Oil production. Barrels.	Expeditions.			
		Blue.	Fin.	Hump-back.	Sel.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.	
<i>North Atlantic and Arctic. Total</i>	1937	57	1,330	25	173	239	<sup>2)</sup> 36	1,910	69,144	9	2	36	
	1938	15	565	2	105	36	<sup>1)</sup> 27	750	22,097	7	—	22	
	1939	26	665	9	59	40	<sup>3)</sup> 3	802	26,066	7	—	21	
	1940	1	64	7	—	6	—	78	2,950	1	—	1	
	1941	3	71	3	51	5	—	133	<sup>4)</sup> 1,855	1	—	1	
	1942	5	120	2	52	2	—	181	<sup>4)</sup> 1,855	1	—	1	
	1943	1	251	8	45	10	—	315	<sup>4)</sup> 5,564	2	—	2	
	1944	5	343	10	32	21	—	411	<sup>4)</sup> 8,963	2	—	4	
	1945	14	504	9	32	26	—	585	14,121	3	—	9	
	1946	36	1,035	10	12	52	—	1,145	39,472	7	—	19	
	1947	32	945	11	20	55	—	1,063	35,757	7	—	21	
	1948	88	1,368	16	60	112	<sup>1)</sup> 49	1,693	61,016	10	—	30	
	1949	79	1,259	17	62	157	<sup>5)</sup> 1	1,575	58,840	9	—	30	
1950	54	1,422	29	21	170	<sup>5)</sup> 2	1,698	63,612	10	—	32		
<i>Norway.</i>	1937	9	223	—	55	20	<sup>1)</sup> 35	342	9,467	4	—	12	
	1938	4	261	—	94	9	<sup>1)</sup> 27	395	11,076	4	—	12	
	1939	4	282	1	46	14	<sup>3)</sup> 3	350	11,155	3	—	9	
	1940	—	—	—	—	—	—	—	—	—	—	—	
	1941	1	6	—	49	5	—	61	<sup>4)</sup> —	—	—	—	
	1942	1	58	1	48	2	—	110	<sup>4)</sup> —	—	—	—	
	1943	—	110	2	45	6	—	163	<sup>4)</sup> —	—	—	—	
	1944	—	112	—	31	4	—	147	<sup>4)</sup> —	—	—	—	
	1945	3	158	—	27	4	—	192	<sup>4)</sup> 1,391	<sup>6)</sup> 1	—	3	
	1946	17	392	—	11	21	—	441	15,930	3	—	9	
	1947	11	285	—	12	16	—	324	10,871	3	—	9	
	1948	2	260	—	35	47	—	344	11,261	4	—	11	
1949	4	342	1	6	20	<sup>5)</sup> 1	374	11,487	4	—	12		
1950	3	342	8	3	79	—	435	15,979	4	—	13		
<i>Scotland.</i>	1950	2	33	—	—	—	35	1,057	1	—	1		
<i>Faroe Islands.</i>	1937	7	142	4	11	11	—	175	5,365	2	—	5	
	1938	2	184	1	6	7	—	200	6,101	2	—	6	
	1939	2	153	1	8	9	—	173	<sup>7)</sup> 5,197	2	—	6	
	—	—	—	—	—	—	—	—	—	—	—	—	
	1946	5	94	1	1	14	—	115	3,981	2	—	3	
	1947	3	196	—	2	15	—	216	6,286	2	—	4	
	1948	3	223	—	15	30	—	271	10,277	2	—	5	
	1949	10	222	1	21	53	—	307	9,541	2	—	7	
	1950	6	377	1	2	46	—	432	13,232	2	—	6	
<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		
<i>Pelagic whaling in Arctic.</i>	1937	28	461	7	100	218	—	814	32,375	—	2	11	

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

Table j (cont.).

Grounds.	Years.	Species of whales caught.							Oil production.	Expeditions.			
		Blue.	Fin.	Hump-back.	Sel.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.	
<i>West Greenland.</i>	1937	4	9	4	—	—	—	17	Barrels.	—	—	1	
	1938	—	7	1	—	—	—	8	—	—	1		
	1939	—	3	2	—	—	—	5	—	—	1		
	—	—	—	—	—	—	—	—	—	—	—		
	1946	3	47	4	—	6	—	60	—	—	1		
	1947	4	51	5	2	6	—	68	—	—	1		
	1948	2	21	1	1	6	—	31	—	—	1		
	1949	2	21	2	—	3	—	28	435	—	1		
	1950	—	35	4	—	5	<sup>4)</sup> 2	46	544	—	1		
<i>Newfoundland.</i>	1937	8	439	9	7	19	<sup>1)</sup> 1	483	19,075	2	—	5	
	1938	—	—	—	—	—	—	—	—	—	—	—	
	1939	7	118	4	2	13	—	144	5,950	1	—	2	
	1940	1	64	7	—	6	—	78	2,950	1	—	1	
	1941	2	65	3	2	—	—	72	1,855	1	—	1	
	1942	4	62	1	4	—	—	71	<sup>2)</sup> 1,855	1	—	1	
	1943	1	141	6	—	4	—	152	5,564	2	—	2	
	1944	5	231	10	1	17	—	264	8,963	2	—	4	
	1945	11	346	9	5	22	—	393	12,730	2	—	6	
	1946	11	502	5	—	11	—	529	19,561	2	—	6	
	1947	14	413	6	4	18	—	455	18,600	2	—	7	
	1948	57	669	15	4	14	<sup>3)</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		

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

Table e, page 11, registers the production of sperm-oil for the seasons 1938/39–1949/50. During the last season the output amounted to 285,515 barrels against 344,347 in 1948–49, this decrease being entirely attributable to the decreased sperm-oil production in the Antarctic during the last season. In earlier volumes of International Whaling Statistics table e has not been complete as far as the sperm-oil production off the Azores is concerned. The figures lacking, covering the seasons 1938/39–1944/45, are now available. They have been included in the table and the totals for the sperm-oil production during the seasons in question have been corrected accordingly.

The total number of whales killed and the oil production distributed in respect to the various participating countries are given in table f and g on pages 12 and 13. The term country in this sense refers, as far as the pelagic whaling is concerned, to the nation under whose flag the floating factories have been operating. As for the shore stations, their whaling results have been registered according to the country where the whaling companies are registered. The catch and oil production registered under the British Commonwealth in these tables have also been specified separately for the various countries: United Kingdom, Union of South Africa, Newfoundland, Canada, New Zealand, and Australia, see table h, on page 14.

Table k.—Portugal, Azores, and Madeira.

Years	Species of whales caught.							Oil production.	Expeditions. <sup>1)</sup>		
	Blue.	Fin.	Hump-back	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1936	—	—	—	—	172	<sup>2)</sup> 308	<sup>3)</sup> 480	Barrels.	—	—	—
1937	—	—	—	—	80	<sup>2)</sup> 208	<sup>4)</sup> 288	—	—	—	—
1938	—	—	—	—	388	—	<sup>5)</sup> 388	7,284	—	—	—
1939	—	—	—	—	389	—	389	6,920	—	—	—
1940	—	—	—	—	552	—	552	10,047	—	—	—
1941	—	—	—	—	425	<sup>2)</sup> 76	501	9,057	—	—	—
1942	—	—	—	—	583	<sup>2)</sup> 23	606	13,070	—	—	—
1943	—	—	—	—	637	<sup>2)</sup> 133	770	13,880	—	—	—
1944	—	38	—	—	363	<sup>2)</sup> 75	476	10,073	1	—	—
1945	—	36	—	—	532	—	568	11,838	1	—	—
1946	—	42	—	—	753	—	795	16,016	1	—	—
1947	—	111	—	—	624	—	735	19,537	1	—	3
1948	—	106	—	—	842	—	948	23,381	1	—	3
1949	—	14	—	—	588	—	602	13,590	1	—	3
1950	—	34	—	—	414	—	448	12,058	1	—	3

<sup>1)</sup> Whaling from Azores and Madeira is carried on with row-boats on old lines. <sup>2)</sup> No specification. <sup>3)</sup> The whales have been caught during the period <sup>1</sup>/<sub>9</sub> 1935—<sup>31</sup>/<sub>12</sub> 1936. <sup>4)</sup> The whales have been caught during the period <sup>1</sup>/<sub>1</sub>—<sup>30</sup>/<sub>11</sub> 1937. <sup>5)</sup> Probably a small number of whales has also been caught from the island of São Miguel and perhaps also from some others of the islands of Azores, but no information is available.

It appears from table *g* that Norway's share of the total oil production in 1949–50 was 44 per cent, and that of the British Commonwealth 30.1 per cent (United Kingdom 21.0 per cent, Union of South Africa 7.8 per cent, and other Commonwealth countries 1.3 per cent, table *h*).

On the basis of the obligatory reports and measurement records sent in to the Committee for International Whaling Statistics from all the participating whaling companies during each season the tables no. 5, 6, 7, 8, and 9 on pages 30–75 have been worked out. These tables reveal the average size of whales killed on the individual grounds, the average yield of oil per blue-whale unit and per sperm-whale, and the average size of measured whale fetuses.

The average size of whales killed in 1949–50, by species and whaling grounds, is in table *i*, page 15, compared with the corresponding figures for a series of pre- and post-war seasons.

### Whaling in the various areas outside the Antarctic.

Table *j*, on page 18, contains a survey of whaling results in the North Atlantic and Arctic area, specified for the individual grounds. The whaling from Spain, Portugal, the Azores, and Madeira has not been included in this table, but the results of these whaling operations have been recorded separately in the 2 following tables.

In 1950 one Scotch company resumed whaling from the Hebrides (Scotland) with 1 shore station and 1 catcher. Besides, the North Atlantic and Arctic area was operated by the same companies and on the same

Table I.—Spain.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1950	—	19	—	8	3	—	30	Barrels. 688	1	—	2

grounds as during the preceding season. The whaling activities in this area have increased considerably during the post-war years. During the 3 last seasons, 1948, 1949, and 1950, the total oil production amounted to about 60,000 barrels per year. In 1950 it reached 63,612 barrels, which—apart from the 1937-season—is the highest output ever recorded since 1911. Compared with the season 1949 there was in 1950 some increase in the whaling results from the coast of Norway, the Faroe Islands and Iceland. On the other hand, the output from Newfoundland (incl. Labrador), which has been the principal ground in the North Atlantic and Arctic area during the years after the war, decreased by 5,000 barrels. Also in 1949 the oil production had decreased by some 5,000 barrels.

A survey of the whaling results from Portugal, the Azores, and Madeira is given in table *k*, page 20. According to this table the whaling material engaged consisted of 3 catchers operating from 1 shore station during the last seasons. This refers to one single company, operating off the coast of Portugal. Whaling from the Azores and Madeira is chiefly carried on with row-boats on old lines.

A Spanish company resumed whaling from the shore station „Getares,” Algeciras (Spain) in 1950. 30 whales were killed and the output of oil was 688 barrels (see table *l*, above). This station had previously been operating during the years 1921–1926 with the following results:—

Season 1921	.....	356	whales	10,500	barrels	oil
„ 1922	.....	600	„	19,784	„	„
„ 1923	.....	1,116	„	38,472	„	„
„ 1924	.....	910	„	27,740	„	„
„ 1925	.....	668	„	20,727	„	„
„ 1926	.....	300	„	8,596	„	„

The whaling results from the individual grounds in the African area are included in table *m*, covering the years 1937–1950. In 1950 the same African grounds were being operated as in 1949, with one addition. A new Spanish company commenced operations from Spanish Morocco and killed 116 whales. This ground had not been operated since 1948.

It will be observed from the table that the total output of oil in the African waters amounted to 154,000 barrels in 1950 and 183,000 barrels

Table m.—Africa.

Grounds.	Years.	Species of whales caught.							Oil production.	Expeditions.			
		Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Barrels.	Shore stations.	Floating factories.	Catchers.
<i>Africa. Total.</i>	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	
	1940	28	324	176	25	482	—	1,035	40,419	2	—	11	
	1941	6	193	79	5	476	—	759	26,638	1	—	5	
	1942	2	204	156	13	123	—	498	19,740	1	—	5	
	1943	10	301	80	34	299	—	724	27,373	1	—	5	
	1944	5	227	115	24	448	—	819	29,380	1	—	5	
	1945	3	162	116	34	414	—	729	23,189	1	—	5	
	1946	12	145	93	75	659	—	984	30,552	1	—	8	
	1947	19	529	95	158	550	<sup>1)</sup> 55	1,406	47,677	3	—	18	
	1948	21	606	196	192	998	<sup>1)</sup> 248	2,261	63,352	4	—	24	
	1949	23	652	2,894	220	904	<sup>1)</sup> 139	4,832	182,994	4	2	39	
1950	14	604	2,273	438	693	<sup>1)</sup> 100	4,122	154,134	5	2	43		
<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	
	1940	28	324	176	25	482	—	1,035	40,419	2	—	11	
	1941	6	193	79	5	476	—	759	26,638	1	—	5	
	1942	2	204	156	13	123	—	498	19,740	1	—	5	
	1943	10	301	80	34	299	—	724	27,373	1	—	5	
	1944	5	227	115	24	448	—	819	29,380	1	—	5	
	1945	3	162	116	34	414	—	729	23,189	1	—	5	
	1946	12	145	93	75	659	—	984	30,552	1	—	8	
	1947	18	485	90	119	502	—	1,214	44,274	2	—	13	
	1948	16	426	182	109	846	—	1,579	49,431	2	—	16	
	1949	17	464	190	101	694	—	1,466	51,933	2	—	17	
1950	9	323	151	101	391	—	975	38,680	2	—	18		
<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		
<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>4)</sup> 64	—	789	34,424	—	1	9		
<i>Congo.</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		
<i>Spanish Morocco.</i>	1948	1	46	—	—	47	<sup>1)</sup> 10	104	2,221	1	—	2	
	1950	—	29	—	10	77	—	116	1,794	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> 52 sperm-whales caught in the Indian Ocean.

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

Grounds.	Years.	Species of whales caught.							Oil production.	Expeditions.			
		Blue.	F.in.	Hump-back.	Sel.	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	<sup>1)</sup> 59	922	39,801	2	1	8	
	1941	41	441	49	7	390	<sup>2)</sup> 3	931	38,135	3	1	15	
	1942	1	35	19	1	133	—	189	7,098	2	—	4	
	1943	—	34	12	2	72	—	120	3,990	2	—	5	
	1944	—	1	1	2	1	—	5	148	1	—	2	
	1945	—	—	—	—	—	—	—	—	—	—	—	
	1946	—	—	12	29	72	—	113	<sup>3)</sup> 118	—	1	2	
	1947	4	17	14	161	206	—	402	2,137	1	3	6	
	1948	1	59	134	107	191	—	492	8,815	2	2	11	
	1949	2	115	91	119	182	—	509	10,202	2	1	9	
	1950	4	150	95	267	103	<sup>4)</sup> 1	620	12,345	1	1	8	
	<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	633	1	—	2	
1942		—	10	12	1	3	—	26	948	1	—	1	
1943		—	19	5	2	3	—	29	760	1	—	3	
1944		—	1	1	2	1	—	5	148	1	—	2	
—		—	—	—	—	—	—	—	—	—	—	—	
1947		—	17	13	3	5	—	38	1,365	1	—	2	
1948		—	19	16	—	32	—	67	2,350	1	—	2	
1949		—	10	11	—	28	—	49	1,493	1	—	2	
1950		—	—	—	—	—	—	—	—	—	—	—	
<i>British Columbia.</i>	1937	1	44	7	—	265	—	317	14,719	2	—	6	
	1938	4	50	4	—	252	—	310	13,157	2	—	6	
	1939	—	—	—	—	—	—	—	—	—	—	—	
	1940	2	90	2	—	126	—	220	8,700	1	—	3	
	1941	1	67	27	—	233	—	328	13,630	2	—	6	
	1942	1	25	7	—	130	—	163	6,150	1	—	3	
	1943	—	15	7	—	69	—	91	3,230	1	—	2	
	—	—	—	—	—	—	—	—	—	—	—	—	
	1948	—	37	115	2	28	—	182	5,679	1	—	4	
	1949	2	105	76	3	69	—	255	7,841	1	—	3	
	1950	4	150	95	24	40	<sup>4)</sup> 1	314	9,598	1	—	4	
<i>Alaska.</i>	1937	45	170	104	1	56	—	376	17,668	2	—	6	
	1938	33	65	12	—	63	—	173	9,734	1	—	5	
	1939	5	91	26	—	49	—	171	7,587	1	—	3	
<i>Pelagic whaling.</i>	1940	34	292	108	3	177	<sup>1)</sup> 59	673	29,494	—	1	4	
	1941	40	367	6	7	156	<sup>2)</sup> 3	579	23,822	—	1	7	
<i>Bonin Island, pelagic.</i>	1946	—	—	12	29	72	—	113	<sup>3)</sup> 118	—	1	2	
	1947	4	—	1	158	201	—	364	<sup>3)</sup> 772	—	3	4	
	1948	1	3	3	105	131	—	243	<sup>3)</sup> 786	—	2	5	
	1949	—	—	4	116	85	—	205	<sup>3)</sup> 868	—	1	4	
	1950	—	—	—	243	63	—	306	2,747	—	1	4	

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



Table o.—Japan and Korea.

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

<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.

in 1949, against 23,000–63,000 barrels during the first post-war seasons 1945–48. This remarkable increase in the whaling results in 1949 and also in 1950 is due to the considerable number of humpbacks killed during these two seasons by 2 expeditions: the one consisting of 1 floating factory and 8–9 catchers operating on the Madagascar ground—the other operating from 1 shore station and with 1 floating factory and 7–8 catchers on the

Table p.—Kamtchatka.

(Kuril Islands included from 1948.)

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

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

Table q.—Brazil.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
1947	—	—	11	14	—	—	25	835	1	—	1
1948	1	—	21	10	—	<sup>1)</sup> 4	36	1,060	2	—	1
1949	—	—	15	18	—	<sup>2)</sup> 5	38	1,250	2	—	2
1950	—	—	24	98	—	<sup>1)</sup> 6	128	2,132	2	—	2

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

Congo ground. In 1950, however, the number of humpbacks killed on the Madagascar ground decreased by about 600, whereas the results on the Congo ground show some increase. In 1949 the whaling period on the Madagascar ground lasted about 4 months, and 1,333 humpbacks were killed. In 1950 whaling was carried on for 3 months, resulting in 711 humpbacks killed. Even if last season's shorter whaling period is taken into consideration, this decrease is quite considerable. And the reason is most likely that the humpback whale on this ground has been too heavily taxed in 1949 and 1950. In all probability activities on the Madagascar ground will have to be suspended for some time before profitable exploitation can be resumed.

Table *n*, page 23, contains the results in Pacific North (excl. Japan, Korea, Kamtchatka, and the Kuril Islands). It will appear from the table

Table r.—Chile.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
1937	29	73	19	—	254	—	375	10,137	4	—	<sup>1)</sup> 3
1938	15	56	6	44	203	<sup>2)</sup> 14	338	9,345	<sup>3)</sup> 1	<sup>3)</sup> —	<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

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

Table s.—Peru.

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

that in 1950 operations were carried on with only 1 shore station and 4 catchers from the coast of British Columbia and 1 floating factory and 4 catchers from Bonin Island. The company which had operated from California since 1947, did not operate in 1950.

The total output of oil in the Pacific North increased by about 2,100 barrels in 1950.

The tables *o* and *p*, page 24, deal with the whaling from Japan and Korea, as well as from Kamtchatka.

It will be observed from table *o* that the number of whales killed from Japanese stations increased considerably in 1950, following a regular yearly decrease since 1946. The increase in 1950 was entirely due to the large sperm-whale catch of that season. The catch of blue-, fin-, and sei-

Table t.—New Zealand.

Years.	Species of whales caught.							Oil production.	Expeditions.			
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.	
								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	5,833	1	—	3	
1950.....	—	—	79	—	—	—	79	2,844	1	—	3	

Table u.—Australia.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1937	—	1	3,242	—	3	—	3,246	Barrels. 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

whales decreased considerably. It is evident that the increased oil production in the years 1948–1950 is due to a more rational utilization of the whale carcass than during the two first post-war seasons.

The U.S.S.R. whaling off Kamtchatka and the Kuril Islands (given in table *p*) was in 1950 on about the same level as in 1949.

Table *q*, page 25, records the result of the whaling from Brazil during the years 1947–1950. In 1950 there was a considerable increase in the number of whales killed as well as in the output of oil.

In previous publications the whaling results from Chile and Peru were given in one table. The details for these two grounds are now given separately in table *r* and table *s*, pages 25 and 26.

During the post-war years whaling from Chile has been carried on from 2 shore stations. Last year the oil production increased by about 7,000 barrels compared with the previous season. No whaling was carried on from Peru during the last two years.

Table *t*, page 26, deals with the whaling from New Zealand. It will be observed that the oil production decreased by about 3,000 barrels last season.

Specifications concerning the whaling from Australia are given in table *u*, above. An Australian company which carried on whaling from a shore station on Norfolk Island in 1949, did not operate in 1950. On the other hand the Australian Whaling Commission commenced whaling in September 1950 from the shore station at Carnarvon, Shark Bay, West Australia. Whaling from Shark Bay was carried out for the first time in 1912 by the factory ship "Vasco da Gama." There was a relatively good supply of whales, but as the harbour was not a good one, owing to the heavy surf and the difficulty of getting fresh water, whaling was not resumed in this field in 1913.

It was not until 1936 that Shark Bay was again visited by whalers. In that year whaling was undertaken by a floating factory, which also

operated in the same area in 1937 and 1938.—In 1950 4 catchers were engaged against 2 in 1949. The oil production increased by about 11,000 barrels.

Whaling on grounds outside the Antarctic during the calendar year 1951 has now come to an end, but the Committee for International Whaling Statistics has not yet received all the statistical reports. Specifications covering the whaling activities during the calendar year 1951 will be published in International Whaling Statistics No. XXIX.

#### Additional returns

regarding the Spanish whaling results from *Spanish Morocco* in 1948 and 1949, not included in the preceding tables *a-i* and *m*. (See preface.)

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1948	—	26	—	4	17	—	47	<sup>1)</sup> 956	1	—	2
1949	—	55	—	18	61	—	134	<sup>2)</sup> 2,009	1	—	2

<sup>1)</sup> Of which 534 barrels of whale oil and 422 barrels of sperm oil.

<sup>2)</sup> " " 907 " " " " " " 1,102 " " " "

Table No. 1.—Whaling in 1949/50 and summer 1950.

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 <sup>1)</sup>			
South Georgia . . . .	14	1,999	26	1,183	157	—	3,379	147,137	3	—	21
Antarctic, pelagic whaling . . . . .	6,168	18,061	2,117	101	2,570	—	29,017	2,019,368	—	18	216
Africa:—											
Natal . . . . .	9	323	151	101	391	—	975	38,680	2	—	18
Cape Province . . .	4	242	7	324	161 <sup>2)</sup>	100	838	15,000	1	—	7
Madagascar . . . .	1	10	711	3	12	—	737	33,424	—	1	9
Indian Ocean . . . .	—	—	—	—	52	—	52	1,000	—	—	—
French Congo . . . .	—	—	1,404	—	—	—	1,404	64,236	1	1	7
Spanish Morocco . .	—	29	—	10	77	—	116	1,794	1	—	2
Brazil:—											
Paraiba . . . . .	—	—	24	98	—	—	122	1,894	1	—	2
Sta Catarina . . . .	—	—	—	—	—	3 <sup>3)</sup>	6	238	1	—	—
Atlantic and Arctic:											
Azores . . . . .	—	—	—	—	390	—	390	10,907	—	—	—
Madeira . . . . .	—	—	—	—	14	—	14	387	—	—	—
Spain . . . . .	—	19	—	8	3	—	30	688	1	—	2
Portugal . . . . .	—	34	—	—	10	—	44	764	1	—	3
Norway . . . . .	3	342	8	3	79	—	435	15,979	4	—	13
Scotland . . . . .	2	33	—	—	—	—	35	1,057	1	—	1
Faroe Islands . . . .	6	377	1	2	46	—	432	13,232	2	—	6
Iceland . . . . .	28	226	—	—	11	—	265	12,292	1	—	4
West Greenland . . .	—	35	4	—	5	2 <sup>4)</sup>	46	544	—	—	1
Newfoundland . . . .	15	409	16	16	29	—	485	20,508	2	—	7
Pacific North:—											
British Columbia . .	4	150	95	24	40	1 <sup>4)</sup>	314	9,598	1	—	4
Kamtchatka . . . . .	5	92	4	7	587 <sup>5)</sup>	4	699	27,046	—	1	4
Kuril Islands . . . .	2	106	18	49	1,471 <sup>6)</sup>	12	1,658	35,003	5	—	12
Japan . . . . .	7	141	5	299	1,249	—	1,701	26,112	10	—	33
Bonin Island, pelagic whaling	—	—	—	243	63	—	306	2,747	—	1	4
Chile . . . . .	45	274	5	—	769	—	1,093	30,231	2	—	7
Australia . . . . .	—	—	388	—	—	—	388	16,494	2	—	4
New Zealand . . . . .	—	—	79	—	—	—	79	2,844	1	—	3
Total	6,313	22,902	5,063	2,471	8,186	125	45,060	2,549,204	43	22	390

<sup>1)</sup> Barrel = 170 kg. (Barrel = abt.  $\frac{1}{8}$  long ton, 1 long ton = 1,016 kg.) <sup>2)</sup> Bryde-whales. <sup>3)</sup> No specification. <sup>4)</sup> Bottle-noses. <sup>5)</sup> 3 bottlenoses and 1 Minke-whale. <sup>6)</sup> 9 bottlenoses and 3 Minke-whales.

Table No. 2.—Norwegian whaling in 1949/50 and summer 1950.

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 . . . .	4	710	12	460	57	—	1,243	58,055	1	—	7
Antarctic, pelagic . .	2,573	10,494	1,276	9	1,204	—	15,556	1,048,432	—	10	119
Norway . . . . .	3	342	8	3	79	—	435	15,979	4	—	13
Total	2,580	11,546	1,296	472	1,340	—	17,234	1,122,466	5	10	139

Table No. 3.—Whaling of United Kingdom in 1949/50 and summer 1950.

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	786	2	351	48	—	1,190	47,734	1	—	7
Antarctic, pelagic ..	1,875	3,159	612	91	859	—	6,596	470,699	—	3	41
Newfoundland.....	14	276	7	5	28	—	330	15,155	1	—	5
Scotland.....	2	33	—	—	—	—	35	1,057	1	—	1
Total	1,894	4,254	621	447	935	—	8,151	534,645	3	3	54

Table No. 4.—Whaling results for the various countries in 1949/50 and summer 1950.

Countries.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels <sup>1)</sup>			
Norway.....	2,580	11,546	1,296	472	1,340	—	17,234	1,122,466	5	10	139
British Commonwealth.....	2,363	6,296	1,404	907	1,711	101	12,782	767,912	11	4	107
United Kingdom ...	1,894	4,254	621	447	935	—	8,151	534,645	3	3	54
Union of South Africa	464	1,759	212	425	735	<sup>2)</sup> 100	3,695	198,978	3	1	40
Australia.....	—	—	388	—	—	—	388	16,494	2	—	4
Canada.....	4	150	95	24	40	<sup>3)</sup> 1	314	9,598	1	—	4
Newfoundland.....	1	133	9	11	1	—	155	5,353	1	—	2
New Zealand.....	—	—	79	—	—	—	79	2,844	1	—	3
Japan.....	825	1,198	72	542	1,484	—	4,121	197,613	10	3	53
U.S.S.R.....	270	1,415	58	57	2,115	<sup>4)</sup> 16	3,931	165,442	5	2	30
France.....	1	10	2,115	3	64	—	2,193	98,660	1	2	16
Netherlands.....	188	940	72	—	95	—	1,295	82,792	—	1	11
Argentina.....	7	503	12	372	52	—	946	41,348	1	—	7
Chile.....	45	274	5	—	769	—	1,093	30,231	2	—	7
Denmark.....	6	412	5	2	51	<sup>3)</sup> 2	478	13,776	2	—	7
Iceland.....	28	226	—	—	11	—	265	12,292	1	—	4
Portugal.....	—	34	—	—	414	—	448	12,058	1	—	3
Spain.....	—	48	—	18	80	—	146	2,482	2	—	4
Brazil.....	—	—	24	98	—	<sup>5)</sup> 6	128	2,132	2	—	2
Total	6,313	22,902	5,063	2,471	8,186	125	45,060	2,549,204	43	22	390

<sup>1)</sup> Barrel = 170 kg. (Barrel = abt.  $\frac{1}{8}$  long ton, 1 long ton = 1,016 kg.) <sup>2)</sup> Bryde-whales. <sup>3)</sup> Bottlenose. <sup>4)</sup> 12 bottle-noses and 4 Minke-whales. <sup>5)</sup> No specification.

Table No. 5.—Average size of whales caught in the summer season 1950.

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
<b>A. Blue-whales.</b>				
<i>Africa:—</i>				
Natal.....	—	Engl. feet.	Engl. feet.	Engl. feet.
Males 5	} Total 9.	65.60	73.00	68.89
Females 4				

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
Cape Province .....	—	72.00	68.33	69.25
Male 1 } Total 4.				
Females 3 }				
Madagascar .....	—	—	75.00	75.00
Female 1.				
Africa, total .....	—	66.67	71.50	69.43
Males 6 } Total 14.				
Females 8 }				
<i>Atlantic and Arctic:—</i>				
Norway .....	No. 1	73.00	—	73.00
Males 3.	" 2	66.50	—	66.50
Average		68.67	—	68.67
Scotland .....	—	71.50	—	71.50
Males 2.				
Faroe Islands .....	No. 1	—	65.00	65.00
Males 3 } Total 6.	" 2	68.67	80.00	71.50
Females 3 }				
Average		68.67	70.00	69.33
Iceland .....	—	70.31	74.13	72.36
Males 13 } Total 28.				
Females 15 }				
Newfoundland .....	No. 1	69.00	—	69.00
Males 12 } Total 15.	" 2	70.64	73.00	71.14
Females 3 }				
Average		70.50	73.00	71.00
Atlantic and Arctic, total ....	—	70.15	73.38	71.41
Males 33 } Total 54.				
Females 21 }				
<i>Pacific North:—</i>				
British Columbia .....	—	—	72.50	72.50
Females 4.				
Kamtchatka, pelagic .....	—	78.50	73.00	77.40
Males 4 } Total 5.				
Female 1 }				
Kuril Islands .....	—	74.50	—	74.50
Males 2.				
Japan .....	No. 1	79.00	74.50	76.00
Males 3 } Total 7.	" 2	73.00	79.00	76.00
Females 4 }	" 3	70.00	67.00	68.50
Average		74.00	73.75	73.86



Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
Pacific North, total.....	—	Engl. feet. 76.11	Engl. feet. 73.11	Engl. feet. 74.61
Males 9 } Total 18.				
Females 9 }				
<i>Chile</i> .....	No. 1	73.81	76.26	75.35
Males 18 } Total 45.	„ 2	51.00	—	51.00
Female 27 }				
Average		71.28	76.26	74.27
<b><u>B. Fin-whales.</u></b>				
<i>Africa:—</i>				
Natal .....	—	61.29	60.83	61.08
Males 175 } Total 323.				
Females 148 }				
Cape Province .....	—	58.49	59.19	58.82
Males 123 } Total 236.				
Females 113 }				
Madagascar .....	—	67.25	64.50	66.70
Males 8 } Total 10.				
Females 2 }				
Spanish Morocco.....	—	61.41	61.25	61.34
Males 17 } Total 29.				
Females 12 }				
Africa, total .....	—	60.38	60.20	60.30
Males 323 } Total 598.				
Females 275 }				
<i>Atlantic and Arctic:—</i>				
Spain .....	--	59.83	64.57	61.58
Males 12 } Total 19.				
Females 7 }				
Portugal .....	—	61.82	62.82	62.32
Males 17 } Total 34.				
Females 17 }				
Norway .....	No. 1	57.28	60.50	58.81
Males 186 } Total 341.	„ 2	57.05	58.26	57.61
Females 155 }	„ 3	57.18	61.71	59.64
	„ 4	60.40	61.87	60.89
Average		58.24	60.90	59.45
Scotland .....	—	62.22	65.31	63.52
Males 18 } Total 31.				
Females 13 }				
Faroe Islands .....	No. 1	60.21	61.85	60.89
Males 212 } Total 376.	„ 2	58.74	61.80	60.14
Females 164 }				
Average		59.53	61.82	60.53

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
Iceland.....	—	Engl. feet. 59.41	Engl. feet. 60.69	Engl. feet. 60.13
Males 98 } Total 226. Females 128 }				
West Greenland.....	—	57.65	60.33	59.03
Males 17 } Total 35. Females 18 }				
Newfoundland.....	No. 1	58.95	60.28	59.70
Males 195 } Total 408. Females 213 }	„ 2	57.64	60.63	59.15
Average		58.03	60.51	59.33
Atlantic and Arctic, total....	—	58.89	61.10	59.97
Males 755 } Total 1,470. Females 715 }				
<i>Pacific North</i> :—				
British Columbia.....	—	56.04	59.51	57.89
Males 70 } Total 150. Females 80 }				
Kamtchatka, pelagic.....	—	59.51	60.32	59.78
Males 61 } Total 92. Females 31 }				
Kuril Islands.....	—	62.41	62.48	62.43
Males 66 } Total 106. Females 40 }				
Japan.....	No. 1	57.63	58.59	58.18
Males 67 } Total 141. Females 74 }	„ 2	57.39	58.61	58.03
Average	„ 3	54.22	54.00	54.18
		57.04	58.47	57.81
Pacific North, total.....	—	57.46	60.18	58.71
Males 264 } Total 487. Females 225 }				
<i>Chile</i> .....	No. 1	56.08	56.36	56.22
Males 141 } Total 274. Females 133 }	„ 2	48.00	—	48.00
Average		56.02	56.36	56.19
<b>C. Humpbacks.</b>				
<i>Africa</i> :—				
Natal.....	—	38.34	37.83	38.07
Males 71 } Total 151. Females 80 }				
Cape Province.....	—	41.00	45.00	43.29
Males 3 } Total 7. Females 4 }				

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
Madagascar .....	—	Engl. feet. 38.13	Engl. feet. 41.63	Engl. feet. 40.45
Males 239 } Females 468 } Total 707.				
French Congo .....	—	40.56	41.61	41.01
Males 803 } Females 600 } Total 1,403.				
Africa, total .....	—	39.90	41.37	40.65
Males 1,116 } Females 1,152 } Total 2,268.				
<i>Atlantic and Arctic:—</i>				
Norway .....	No. 1	44.00	—	44.00
Males 6 } Females 2 } Total 8.	" 2	39.00	38.00	38.71
Average		39.83	38.00	39.38
Faroe Islands .....	—	—	44.00	44.00
Female 1.				
West Greenland .....	—	43.50	44.00	43.67
Males 2 } Female 1 } Total 3.				
Newfoundland .....	No. 1	41.33	42.67	42.22
Males 8 } Females 8 } Total 16.	" 2	38.80	31.50	36.71
Average		39.75	39.88	39.81
Atlantic and Arctic, total ....	—	40.25	40.25	40.25
Males 16 } Females 12 } Total 28.				
<i>Pacific North:—</i>				
British Columbia .....	—	39.23	40.12	39.55
Males 61 } Females 34 } Total 95.				
Kamtchatka, pelagic .....	—	35.00	39.00	38.00
Male 1 } Females 3 } Total 4.				
Kuril Islands .....	—	43.23	47.20	44.33
Males 13 } Females 5 } Total 18.				
Japan .....	No. 1	—	40.50	40.50
Males 2 } Females 3 } Total 5.	" 2	37.00	45.00	41.00
Average	" 3	44.00	—	44.00
		40.50	42.00	41.40

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
Pacific North, total.....	—	Engl. feet. 39.88	Engl. feet. 40.96	Engl. feet. 40.28
Males 77 } Total 122.				
Females 45 }				
<i>Chile</i> .....	No. 1	44.33	37.00	42.50
Males 4 } Total 5.	„ 2	54.00	—	54.00
Female 1 }				
Average		46.75	37.00	44.80
<i>Australia</i> .....	No. 1	39.85	41.15	40.36
Males 250 } Total 387.	„ 2	41.50	41.00	41.48
Females 137 }				
Average		40.10	41.15	40.47
<i>New Zealand</i> .....	—	40.67	41.22	40.86
Males 52 } Total 79.				
Females 27 }				
<u>D. Sei-whales.</u>				
<i>Africa</i> :—				
Natal .....	—	43.98	44.89	44.40
Males 55 } Total 101.				
Females 46 }				
Cape Province .....	—	44.93	47.35	46.33
Males 135 } Total 320.				
Females 135 }				
Madagascar .....	—	42.33	—	42.33
Males 3.				
Spanish Morocco .....	—	50.57	50.33	50.50
Males 7 } Total 10.				
Females 3 }				
Africa, total .....	—	44.83	46.91	45.95
Males 200 } Total 434.				
Females 234 }				
<i>Atlantic and Arctic</i> :—				
Spain .....	—	49.25	52.00	50.63
Males 4 } Total 8.				
Females 4 }				
Norway .....	No. 1	45.00	—	45.00
Males 3.	„ 2	45.00	—	45.00
Average		45.00	—	45.00
Faroe Islands .....	No. 1	—	46.00	46.00
Male 1 } Total 2.	„ 2	44.00	—	44.00
Female 1 }				
Average		44.00	46.00	45.00
Newfoundland .....	No. 1	50.25	49.43	49.73
Males 7 } Total 16.	„ 2	44.33	47.50	45.60
Females 9 }				
Average		47.71	49.00	48.44

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
Atlantic and Arctic, total . . . .	—	Engl. feet. 47.33	Engl. feet. 49.64	Engl. feet. 48.28
Males 15 } Total 29.				
Females 14 }				
<i>Pacific North:—</i>				
British Columbia . . . . .	—	43.89	45.40	44.83
Males 9 } Total 24.				
Females 15 }				
Kamtschatka, pelagic . . . . .	—	50.40	47.50	49.57
Males 5 } Total 7.				
Females 2 }				
Kuril Islands . . . . .	—	51.32	46.39	49.51
Males 31 } Total 49.				
Females 18 }				
Japan . . . . .	No. 1	42.91	44.29	43.69
Males 121 } Total 296.	" 2	42.54	44.43	43.73
Females 175 }	" 3	42.27	44.91	43.69
	" 4	35.00	38.67	38.14
	" 5	42.00	42.33	42.20
Average		42.53	44.21	43.52
Bonin Island, pelagic . . . . .	—	41.62	42.65	42.19
Males 109 } Total 243.				
Females 134 }				
Pacific North, total . . . . .	—	42.83	43.71	43.36
Males 275 } Total 619.				
Females 344 }				
<u>E. Sperm-whales.</u>				
<i>Africa:—</i>				
Natal . . . . .	—	42.66	35.25	41.43
Males 326 } Total 391.				
Females 65 }				
Cape Province . . . . .	—	42.63	37.57	41.16
Males 113 } Total 159.				
Females 46 }				
Madagascar . . . . .	—	41.39	35.16	39.51
Males 44 } Total 63. <sup>1)</sup>				
Females 19 }				
Africa, total . . . . .	—	42.54	36.05	41.16
Males 483 } Total 613. <sup>2)</sup>				
Females 130 }				
<i>Atlantic and Arctic:—</i>				
Spain . . . . .	—	50.00	52.00	50.67
Males 2 } Total 3.				
Female 1 }				

<sup>1)</sup> Including 52 sperm-whales caught in the Indian Ocean.

<sup>2)</sup> Excluding 77 sperm-whales caught off Spanish Morocco.

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
Portugal.....	—	Engl. feet. 38.60	Engl. feet. 30.20	Engl. feet. 34.40
Males 5 } Total 10.				
Females 5 }				
Norway.....	No. 1	51.83	—	51.83
Males 79.	" 2	49.77	—	49.77
	" 3	49.17	—	49.17
	" 4	47.63	—	47.63
	Average	48.42	—	48.42
Faroe Islands.....	No. 1	48.31	—	48.31
Males 46.	" 2	49.73	—	49.73
	Average	48.65	—	48.65
Iceland.....	—	48.73	—	48.73
Males 11.				
West Greenland.....	—	50.40	—	50.40
Males 5.				
Newfoundland.....	No. 1	59.00	—	59.00
Males 29.	" 2	50.32	—	50.32
	Average	50.62	—	50.62
Atlantic and Arctic, total.	—	48.66	33.83	48.17
Males 177 } Total 183.				
Females 6 }				
<i>Pacific North:</i> —				
British Columbia.....	—	44.18	—	44.18
Males 40.				
Kamtchatka, pelagic.....	—	43.83	36.12	43.07
Males 530 } Total 587.				
Females 57 }				
Kuril Islands.....	—	40.91	36.29	39.95
Males 1,166 } Total 1,471.				
Females 305 }				
Japan.....	No. 1	39.26	36.23	38.69
Males 820 } Total 1,243.	" 2	40.78	36.31	38.82
Females 423 }	" 3	40.02	36.03	38.55
	" 4	39.06	35.80	36.98
	" 5	39.36	36.38	37.84
	Average	39.86	36.22	38.62
Bonin Island, pelagic.....	—	43.62	35.00	42.94
Males 58 } Total 63.				
Females 5 }				

Table No. 5 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
Pacific North, total..... Males 2,614 } Total 3,404. Females 790 }	—	Engl. feet. 41.24	Engl. feet. 36.23	Engl. feet. 40.11
<i>Chile</i> ..... Males 628 } Total 769. Females 141 } Average	No. 1	44.17	35.43	42.39
	„ 2	49.50	—	49.50
		44.82	35.43	43.10
<b>F. Bryde-whales.</b>				
<i>Africa</i> :—				
Cape Province..... Males 53 } Total 100. Females 47 }	—	42.13	43.11	42.59

Table No. 6.—Whales caught in the summer season 1950,  
by species, sex, and size.I. Natal.  
Blue-whales.

Engl. feet.	Number of		Total animals.	Average size { Males: 65.60 feet Females: 73.00 „ Total animals: 68.89 „
	males.	females.		
63	1	—	1	Per cent { Males: 55.56 Females: 44.44
65	3	1	4	
68	—	1	1	
70	1	—	1	
71	—	1	1	
88	—	1	1	
Sum	5	4	9	

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
50	10	6	16	68	12	5	17
51	4	6	10	69	10	5	15
52	4	9	13	70	6	8	14
53	3	4	7	71	3	8	11
54	3	4	7	72	3	1	4
55	8	8	16	73	—	1	1
56	12	6	18	74	—	3	3
57	9	17	26	75	—	—	—
58	12	8	20	76	—	3	3
59	13	4	17	Sum	175	148	323
60	5	8	13	Average size { Males: 61.29 feet Females: 60.83 „ Total animals: 61.08 „	Per cent { Males: 54.18 Females: 45.82		
61	6	6	12				
62	3	5	8				
63	4	5	9				
64	8	5	13				
65	16	4	20				
66	13	6	19				
67	8	3	11				

Table No. 6 (continued).

## Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
34	4	3	7	46	—	1	1
35	20	30	50	47	1	1	2
36	9	9	18	48	—	3	3
37	2	6	8	49	—	—	—
38	9	9	18	50	1	—	1
39	1	2	3	Sum	71	80	151
40	8	2	10	Average size	Males:	38.34 feet	
41	2	4	6			Females:	37.83 "
42	3	5	8				Total animals:
43	5	3	8	Per cent	Males: 47.02		
44	3	2	5		Females: 52.98		
45	3	—	3				

## Sei-whales.

39	1	—	1	51	3	3	6
40	14	9	23	52	—	1	1
41	6	6	12	53	1	—	1
42	3	—	3	54	—	—	—
43	5	5	10	55	—	1	1
44	6	4	10	Sum	55	46	101
45	1	3	4	Average size	Males:	43.98 feet	
46	4	3	7			Females:	44.89 "
47	3	3	6				Total animals:
48	3	3	6	Per cent	Males: 54.46		
49	1	—	1		Females: 45.54		
50	4	5	9				

## Sperm-whales.

33	4	—	4	49	7	—	7
34	18	2	20	50	22	—	22
35	23	54	77	51	10	—	10
36	14	5	19	52	7	—	7
37	10	2	12	53	7	—	7
38	22	—	22	54	1	—	1
39	13	1	14	55	1	—	1
40	20	1	21	Sum	326	65	391
41	21	—	21	Average size	Males:	42.66 feet	
42	27	—	27			Females:	35.25 "
43	11	—	11				Total animals:
44	12	—	12	Per cent	Males: 83.38		
45	18	—	18		Females: 16.62		
46	17	—	17				
47	22	—	22				
48	19	—	19				



Table No. 6 (continued).

## 2. Cape Province.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Average size
	males.	females.		
66	—	1	1	{ Males: 72.00 feet Females: 68.33 „ Total animals: 69.25 „
69	—	1	1	
70	—	1	1	
72	1	—	1	Per cent { Males: 25.00 Females: 75.00
Sum	1	3	4	

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
47	1	—	1	68	2	3	5
48	—	—	—	69	3	1	4
49	—	—	—	70	2	3	5
50	3	—	3	71	—	—	—
51	9	2	11	72	1	1	2
52	1	10	11	73	1	—	1
53	10	9	19	74	—	4	4
54	12	10	22	75	—	2	2
55	10	13	23	76	1	1	2
56	7	8	15	77	—	—	—
57	9	9	18	78	—	1	1
58	9	3	12	79	—	1	1
59	10	6	16	Sum	123	113	<sup>1)</sup> 236
60	3	9	12	Average size	{ Males: 58.49 feet Females: 59.19 „ Total animals: 58.82 „		
61	2	3	5				
62	5	6	11				
63	6	2	8	Per cent	{ Males: 52.12 Females: 47.88		
64	5	3	8				
65	4	1	5				
66	2	1	3				
67	5	1	6				

<sup>1)</sup> In addition 6 fin-whales have been lost.

## Humpbacks.

38	1	—	1	47	—	1	1
39	—	1	1	52	—	1	1
40	1	—	1	Sum	3	4	7
41	—	—	—	Average size	{ Males: 41.00 feet Females: 45.00 „ Total animals: 43.29 „		
42	—	1	1				
43	—	—	—	Per cent		{ Males: 42.86 Females: 57.14	
44	—	—	—				
45	1	—	1				
46	—	—	—				

Table No. 6 (continued).

## Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
33	1	—	1	52	6	18	24	
36	1	4	5	53	1	8	9	
37	1	6	7	54	2	14	16	
38	2	3	5	55	—	4	4	
39	11	6	17	56	—	4	4	
40	9	5	14	57	1	—	1	
41	5	3	8	58	—	1	1	
42	12	10	22	Sum	135	185	<sup>1)</sup> 320	
43	10	12	22	Average size { Males: 44.93 feet Females: 47.35 " Total animals: 46.33 " Per cent { Males: 42.19 Females: 57.81				
44	10	3	13					
45	14	10	24					
46	11	14	25					
47	9	11	20					
48	10	15	25					
49	8	7	15					
50	6	14	20					
51	5	13	18					

<sup>1)</sup> In addition sex not stated of 2 sei-whales, and 2 sei-whales have been lost.

## Sperm-whales.

36	3	10	13	51	5	—	5	
37	8	12	20	52	4	—	4	
38	21	13	34	53	5	—	5	
39	13	10	23	54	3	—	3	
40	14	1	15	55	1	—	1	
41	6	—	6	Sum	113	46	<sup>1)</sup> 159	
42	9	—	9	Average size { Males: 42.63 feet Females: 37.57 " Total animals: 41.16 " Per cent { Males: 71.07 Females: 28.93				
43	4	—	4					
44	—	—	—					
45	1	—	1					
46	4	—	4					
47	5	—	5					
48	1	—	1					
49	5	—	5					
50	1	—	1					

<sup>1)</sup> In addition 2 sperm-whales have been lost.

## Bryde-whales.

36	2	2	4	49	2	2	4	
37	3	1	4	50	—	—	—	
38	2	2	4	51	—	1	1	
39	6	7	13	52	1	1	2	
40	6	2	8	Sum	53	47	100	
41	3	3	6	Average size { Males: 42.13 feet Females: 43.11 " Total animals: 42.59 " Per cent { Males: 53.00 Females: 47.00				
42	7	3	10					
43	10	5	15					
44	3	4	7					
45	2	6	8					
46	3	3	6					
47	1	1	2					
48	2	4	6					

Table No. 6 (continued).

**3. Madagascar.**

(Including 52 sperm-whales caught in the Indian Ocean.)

**Blus-whales.**

Engl. feet.	Female.
75	1

**Fin-whales.**

Engl. feet.	Number of		Total animals.	
	males.	females.		
57	1	—	1	Average size { Males: 67.25 feet Females: 64.50 „ Total animals: 66.70 „
58	—	1	1	
64	1	—	1	
66	1	—	1	
68	2	—	2	
70	1	—	1	
71	1	1	2	
74	1	—	1	
Per cent {			Males: 80.00	
			Females: 20.00	
Sum	8	2	10	

**Humpbacks.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
30	—	1	1	46	—	57	57
31	1	—	1	47	2	30	32
32	2	—	2	48	2	30	32
33	4	1	5	49	—	14	14
34	1	—	1	50	—	5	5
35	46	58	104	51	—	5	5
36	55	72	127	Sum	239	468	<sup>1)</sup> 707
37	29	21	50	Average size { Males: 38.13 feet Females: 41.63 „ Total animals: 40.45 „			
38	13	12	25				
39	10	16	26				
40	14	10	24				
41	16	21	37				
42	16	25	41				
43	12	28	40				
44	10	25	35				
45	6	37	43				
Per cent {			Males: 33.80				
			Females: 66.20				

<sup>1)</sup> In addition 4 humpbacks lost.**Sei-whales.**

Engl. feet.	Males.
41	1
42	1
44	1
Sum	3

Average size: 42.33 feet.

Table No. 6 (continued).

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
31	—	2	2	47	1	—	1	
32	—	—	—	48	2	—	2	
33	—	—	—	49	—	—	—	
34	—	—	—	50	3	—	3	
35	5	12	17	51	2	—	2	
36	9	3	12	52	2	—	2	
37	4	—	4	Sum	44	19	63	
38	4	—	4	Average size { Males: 41.39 feet Females: 35.16 „ Total animals: 39.51 „				
39	3	2	5					
40	—	—	—					
41	1	—	1					
42	—	—	—					
43	—	—	—					
44	—	—	—					
45	3	—	3					Per cent { Males: 69.84 Females: 30.16
46	5	—	5					

4. French Congo.  
Humpbacks.

30	1	—	1	48	13	28	41	
32	—	1	1	49	5	16	21	
33	1	—	1	50	4	10	14	
34	—	—	—	51	1	4	5	
35	114	66	180	52	—	2	2	
36	50	52	102	53	—	2	2	
37	48	32	80	54	—	—	—	
38	51	39	90	55	—	1	1	
39	55	42	97	Sum	803	600	<sup>1)</sup> 1,403	
40	73	35	108	Average size { Males: 40.56 feet Females: 41.61 „ Total animals: 41.01 „				
41	59	26	85					
42	69	31	100					
43	85	47	132					
44	60	40	100					
45	62	39	101					Per cent { Males: 57.23 Females: 42.77
46	30	41	71					
47	22	46	68					

<sup>1)</sup> In addition sex of 1 humpback not stated.5. Spanish Morocco.  
Fin-whales.

55	—	1	1	67	1	2	3	
56	4	2	6	68	1	—	1	
57	2	—	2	69	—	1	1	
58	—	2	2	70	—	1	1	
59	—	1	1	Sum	17	12	29	
60	1	2	3	Average size { Males: 61.41 feet Females: 61.25 „ Total animals: 61.34 „				
61	—	—	—					
62	1	—	1					
63	2	—	2					
64	2	—	2					Per cent { Males: 58.62 Females: 41.38
65	3	—	3					
66	—	—	—					

Table No. 6 (continued).

## Sci-whales.

Engl. feet.	Number of		Total animals.	Average size	{ Males: 50.57 feet Females: 50.33 " Total animals: 50.50 "
	males.	females.			
50	4	2	6	Per cent	{ Males: 70.00 Females: 30.00
51	2	1	3		
52	1	—	1		
Sum	7	3	10		

Sperm-whales.<sup>1)</sup>

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
44	—	1	1	58	—	—	—
45	6	7	13	59	—	—	—
46	5	8	13	60	1	—	1
47	4	5	9	61	—	—	—
48	2	3	5	62	—	—	—
49	3	1	4	63	1	—	1
50	8	5	13	Sum	44	33	77
51	4	2	6	Average size	{ Males: 49.86 feet Females: 47.30 " Total animals: 48.77 "		
52	4	—	4				
53	1	—	1				
54	1	1	2				
55	3	—	3			Per cent	{ Males: 57.14 Females: 42.86
56	1	—	1				
57	—	—	—				

<sup>1)</sup> This table has been worked out according to statistical information received from the whaling company. The information given cannot be right, however, because of the size of sperm-whale females.

## 6. Summary Africa (Natal, Cape Province, Madagascar, French Congo, and Spanish Morocco).

## Blue-whales.

Engl. feet.	Number of		Total animals.	Average size	{ Males: 66.67 feet Females: 71.50 " Total animals: 69.43 "
	males.	females.			
63	1	—	1	Per cent	{ Males: 42.86 Females: 57.14
64	—	—	—		
65	3	1	4		
66	—	1	1		
67	—	—	—		
68	—	1	1		
69	—	1	1		
70	1	1	2		
71	—	1	1		
72	1	—	1		
75	—	1	1		
88	—	1	1		
Sum	6	8	14		

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	69	13	7	20
50	13	6	19	70	9	12	21
51	13	8	21	71	4	9	13
52	5	19	24	72	4	2	6
53	13	13	26	73	1	1	2
54	15	14	29	74	1	7	8
55	18	22	40	75	—	2	2
56	23	16	39	76	1	4	5
57	21	26	47	77	—	—	—
58	21	14	35	78	—	1	1
59	23	11	34	79	—	1	1
60	9	19	28	Sum	323	275	<sup>1)</sup> 598
61	8	9	17	Average size { Males: 60.38 feet			
62	9	11	20	{ Females: 60.20 "			
63	12	7	19	{ Total animals: 60.30 "			
64	16	8	24	Per cent { Males: 54.01			
65	23	5	28	{ Females: 45.99			
66	16	7	23				
67	14	6	20				
68	17	8	25				

<sup>1)</sup> In addition 6 fin-whales have been lost.

## Humpbacks.

30	1	1	2	48	15	61	76
31	1	—	1	49	5	30	35
32	2	1	3	50	5	15	20
33	5	1	6	51	1	9	10
34	5	3	8	52	—	3	3
35	180	154	334	53	—	2	2
36	114	133	247	54	—	—	—
37	79	59	138	55	—	1	1
38	74	60	134	Sum	1,116	1,152	<sup>1)</sup> 2,268
39	66	61	127	Average size { Males: 39.90 feet			
40	96	47	143	{ Females: 41.37 "			
41	77	51	128	{ Total animals: 40.65 "			
42	88	62	150	Per cent { Males: 49.21			
43	102	78	180	{ Females: 50.79			
44	73	67	140				
45	72	76	148				
46	30	99	129				
47	25	78	103				

<sup>1)</sup> In addition sex of 1 humpback not stated, and 4 humpbacks have been lost.

Table No. 6 (continued).

## Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
33	1	—	1	51	10	17	27
36	1	4	5	52	7	19	26
37	1	6	7	53	2	8	10
38	2	3	5	54	2	14	16
39	12	6	18	55	—	5	5
40	23	14	37	56	—	4	4
41	12	9	21	57	1	—	1
42	16	10	26	58	—	1	1
43	15	17	32	Sum	200	234	1) 434
44	17	7	24	Average size	{	Males:	44.83 feet
45	15	13	28			Females:	46.91 "
46	15	17	32			Total animals:	45.95 "
47	12	14	26	Per cent	{	Males:	46.08
48	13	18	31			Females:	53.92
49	9	7	16				
50	14	21	35				

1) In addition 2 sei-whales lost, and sex not stated of 2 sei-whales.

## Sperm-whales.

31	—	2	2	50	26	—	26
33	4	—	4	51	17	—	17
34	18	2	20	52	13	—	13
35	28	66	94	53	12	—	12
36	26	18	44	54	4	—	4
37	22	14	36	55	1	—	1
38	47	13	60	56	—	—	—
39	29	13	42	65	1	—	1
40	34	2	36	Sum	483	130	1) 613
41	28	—	28	Average size	{	Males:	42.54 feet
42	36	—	36			Females:	36.05 "
43	15	—	15			Total animals:	41.16 "
44	12	—	12	Per cent	{	Males:	78.79
45	22	—	22			Females:	21.21
46	26	—	26				
47	28	—	28				
48	22	—	22				
49	12	—	12				

1) Excluding 77 sperm-whales caught off Spanish Morocco. In addition 2 sperm-whales lost, and sex not stated of 1 sperm-whale.

## Bryde-whales.

36	2	2	4	48	2	4	6
37	3	1	4	49	2	2	4
38	2	2	4	50	—	—	—
39	6	7	13	51	—	1	1
40	6	2	8	52	1	1	2
41	3	3	6	Sum	53	47	100
42	7	3	10	Average size	{	Males:	42.13 feet
43	10	5	15			Females:	43.11 "
44	3	4	7			Total animals:	42.59 "
45	2	6	8	Per cent	{	Males:	53.00
46	3	3	6			Females:	47.00
47	1	1	2				

Table No. 6 (continued).

**7. Spain.**  
**Fin-whales.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
55	4	2	6	72	-	-	-
56	2	1	3	73	1	2	3
57	-	-	-	Sum	12	7	19
58	1	-	1	Average size { Males: 59.83 feet { Females: 64.57 " { Total animals: 61.58 " Per cent { Males: 63.16 { Females: 36.84			
59	-	-	-				
60	1	-	1				
61	1	-	1				
64	1	-	1				
69	-	1	1				
70	1	-	1				
71	-	1	1				

**Sei-whales.**

Engl. feet.	Number of		Total animals.	Average size { Males: 49.25 feet Females: 52.00 " Total animals: 50.63 "
	males.	females.		
48	1	1	2	Per cent { Males: 50.00 { Females: 50.00
49	2	-	2	
50	-	-	-	
51	1	-	1	
52	-	1	1	
53	-	1	1	
54	-	-	-	
55	-	1	1	
Sum	4	4	8	

**Sperm-whales.**

Engl. feet.	Number of		Total animals.	Average size { Males: 50.00 feet Females: 52.00 " Total animals: 50.67 "
	males.	females.		
50	2	-	2	Per cent { Males: 33.33 { Females: 66.67
52	-	1	1	
Sum	2	1	3	



Table No. 6 (continued).

## 8. Portugal.

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
52	—	2	2	66	—	1	1
53	—	—	—	67	2	1	3
54	—	—	—	68	1	2	3
55	—	—	—	69	1	2	3
56	1	1	2	70	—	1	1
57	4	2	6	Sum	17	17	34
58	1	—	1	Average size { Males: 61.82 feet			
59	—	—	—	{ Females: 62.82 „			
60	1	1	2	{ Total animals: 62.32 „			
61	1	—	1	Per cent { Males: 50.00			
62	1	—	1	{ Females: 50.00			
63	1	1	2				
64	3	1	4				
65	—	2	2				

## Sperm-whales.

29	—	1	1	40	2	—	2
30	2	2	4	53	1	—	1
31	—	2	2	Sum	5	5	10
32	—	—	—	Average size { Males: 38.60 feet			
33	—	—	—	{ Females: 30.20 „			
34	—	—	—	{ Total animals: 34.40 „			
35	—	—	—	Per cent { Males: 50.00			
36	—	—	—	{ Females: 50.00			
37	—	—	—				
38	—	—	—				
39	—	—	—				

## 9. Norway.

## Blue-whales.

Engl. feet.	Number of		Total animals.
	males.	females.	
66	1	—	1
67	1	—	1
73	1	—	1
Sum	3	—	3

Average size: Males: 68.67 feet.

Table No. 6 (continued).

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
50	11	4	15	66	5	11	16
51	12	4	16	67	2	10	12
52	10	13	23	68	4	6	10
53	11	9	20	69	2	8	10
54	2	2	4	70	-	5	5
55	13	5	18	71	-	4	4
56	15	2	17	72	1	-	1
57	8	8	16	73	-	1	1
58	11	11	22	Sum	186	155	1) 341
59	10	3	13	Average size			{ Males: 58.24 feet
60	16	11	27				{ Females: 60.90 "
61	14	6	20				{ Total animals: 59.45 "
62	15	8	23	Per cent			{ Males: 54.55
63	13	10	23				{ Females: 45.45
64	4	9	13				
65	7	5	12				

1) In addition 1 fin-whale has been lost.

## Humpbacks.

33	1	-	1	Average size	{ Males: 39.83 feet	
36	-	1	1			{ Females: 38.00 »
39	1	-	1			
40	2	1	3	Per cent	{ Males: 75.00	
43	1	-	1			{ Females: 25.00
44	1	-	1			
Sum	6	2	8			

## Sei-whales.

Engl. feet.	Males.
45	3

Average size: Males: 45.00 feet.

## Sperm-whales.

Engl. feet.	Number of males.	Engl. feet.	Number of males.
40	1	50	6
41	-	51	11
42	-	52	4
43	2	53	5
44	3	54	2
45	13	55	1
46	12	56	1
47	3	57	1
48	7	Sum	79
49	7		

Average size: Males: 48.42 feet.

Table No. 6 (continued).

## 10. Scotland.

## Blue-whales.

Engl. feet.	Males.
65	1
78	1
Sum	2

Average size: 71.50 feet.

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
55	1	—	1	68	2	2	4
56	—	—	—	69	—	1	1
57	1	1	2	70	—	—	—
58	—	—	—	71	—	2	2
59	2	—	2	Sum	18	13	<sup>1)</sup> 31
60	—	—	—	Average size { Males: 62.22 feet Females: 65.31 " Total animals: 63.52 " Per cent { Males: 58.06 Females: 41.94			
61	3	1	4				
62	3	2	5				
63	2	1	3				
64	2	1	3				
65	1	—	1				
66	1	1	2				
67	—	1	1				

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

## 11. Faroe Islands.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Average size {	Males: 68.67 feet
	males.	females.			
63	2	—	2	Females: 70.00 " Total animals: 69.33 "	
64	—	1	1		
66	—	1	1		
80	1	1	2	Per cent { Males: 50.00 Females: 50.00	
Sum	3	3	6		

Table No. 6 (continued).

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
49	1	—	1	66	14	7	21
50	2	3	5	67	7	5	12
51	1	—	1	68	3	11	14
52	3	4	7	69	—	8	8
53	1	5	6	70	2	8	10
54	21	8	29	71	—	—	—
55	29	11	40	72	—	5	5
56	16	10	26	73	—	2	2
57	13	3	16	74	—	1	1
58	10	9	19	Sum	212	164	1) 376
59	7	7	14	Average size {			Males: 59.53 feet
60	20	14	34	Average size {			Females: 61.82 „
61	9	3	12	Average size {			Total animals: 60.53 „
62	13	9	22	Per cent {			Males: 56.38
63	10	2	12	Per cent {			Females: 43.62
64	19	16	35				
65	11	13	24				

1) In addition sex not stated of 1 fin-whale.

## Humpback.

Engl. feet.	Female.
44	1

## Sei-whales.

Engl. feet.	Male.	Female.
44	1	—
46	—	1
Sum	1	1

Average size: 45 feet.

## Sperm-whales.

Engl. feet.	Number of males.	Engl. feet.	Number of males.
41	3	50	4
42	3	51	1
43	2	52	3
44	—	53	8
45	8	54	—
46	1	55	3
47	2	56	1
48	—	57	1
49	6	Sum	46

Average size: Males: 48.65 feet.

Table No. 6 (continued).

## 12. Iceland.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
60	-	1	1	75	1	2	3	
61	1	1	2	76	-	2	2	
62	-	-	-	77	-	2	2	
63	-	-	-	78	-	3	3	
64	-	-	-	79	-	-	-	
65	-	-	-	85	-	1	1	
66	1	-	1	Sum	13	15	28	
67	2	-	2	Average size { Males: 70.31 feet Females: 74.13 " Total animals: 72.36 " Per cent { Males: 46.43 Females: 53.57				
68	-	-	-					
69	-	1	1					
70	1	-	1					
71	1	-	1					
72	3	-	3					
73	1	1	2					
74	2	1	3					

## Fin-whales.

46	-	1	1	64	4	16	20	
47	-	-	-	65	1	8	9	
48	-	1	1	66	3	5	8	
49	-	-	-	67	-	8	8	
50	1	5	6	68	-	10	10	
51	4	4	8	69	1	4	5	
52	2	2	4	70	-	3	3	
53	3	8	11	71	-	3	3	
54	3	11	14	Sum	98	128	226	
55	4	5	9	Average size { Males: 59.41 feet Females: 60.69 " Total animals: 60.13 " Per cent { Males: 43.36 Females: 56.64				
56	3	5	8					
57	3	5	8					
58	6	4	10					
59	8	1	9					
60	19	1	20					
61	14	6	20					
62	15	4	19					
63	4	8	12					

## Sperm-whales.

Engl. feet.	Number of males	Engl. feet	Number of males
43	1	51	-
44	-	52	2
45	-	53	-
46	-	54	-
47	3	55	1
48	3	Sum	11
49	1		
50	-		

Average size: Males: 48.73 feet.

Table No. 6 (continued).

## 13. West Greenland.

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
48	1	—	1	63	2	4	6
49	—	—	—	64	—	1	1
50	—	—	—	65	—	1	1
51	1	1	2	66	—	—	—
52	—	—	—	67	—	1	1
53	—	1	1	68	—	1	1
54	1	1	2	Sum	17	18	35
55	—	1	1	Average size			{ Males: 57.65 feet
56	2	—	2				{ Females: 60.33 "
57	2	2	4				{ Total animals: 59.03 "
58	3	—	3	Per cent			{ Males: 48.57
59	1	—	1				{ Females: 51.43
60	2	2	4				
61	2	1	3				
62	—	1	1				

## Humpbacks.

Engl. feet.	Number of		Total animals.	Average size	{ Males: 43.50 feet
	males.	females.			
43	1	—	1	Per cent	{ Males: 66.67
44	1	1	2		
Sum	2	1	1) 3		

1) Plus 1 humpback, size and sex not stated.

## Sperm-whales.

Engl. feet.	Number of		Total animals.
	males.	females.	
46	1	—	1
51	3	—	3
53	1	—	1
Sum	5	—	5

Average size: Males: 50.40 feet.

Table No. 6 (continued).

## 14. Newfoundland.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
60	1	—	1	76	1	—	1
61	—	—	—	77	2	—	2
62	1	—	1	Sum	12	3	15
69	1	—	1	Average size { Males: 70.50 feet Females: 73.00 " Total animals: 71.00 "  Per cent { Males: 80.00 Females: 20.00			
70	4	1	5				
71	—	—	—				
72	1	—	1				
73	1	—	1				
74	—	1	1				
75	—	1	1				

## Fin-whales.

45	—	1	1	63	6	20	26
46	—	—	—	64	7	21	28
47	3	—	3	65	3	21	24
48	—	1	1	66	—	11	11
49	1	—	1	67	—	4	4
50	3	1	4	68	—	3	3
51	5	5	10	69	—	4	4
52	4	2	6	70	—	1	1
53	4	3	7	Sum	195	213	1) 408
54	—	—	—	Average size { Males: 58.03 feet Females: 60.51 " Total animals: 59.33 "  Per cent { Males: 47.79 Females: 52.21			
55	25	19	44				
56	12	13	25				
57	21	18	39				
58	21	8	29				
59	22	10	32				
60	29	20	49				
61	18	12	30				
62	11	15	26				

1) In addition 1 fin-whale male not measured.

## Humpbacks.

28	—	1	1	44	1	1	2
29	—	—	—	45	1	—	1
30	1	—	1	51	1	1	2
34	1	—	1	Sum	8	8	16
35	—	1	1	Average size { Males: 39.75 feet Females: 39.88 " Total animals: 39.81 "  Per cent { Males: 50.00 Females: 50.00			
36	—	1	1				
37	1	—	1				
38	1	—	1				
39	1	—	1				
40	—	1	1				
41	—	—	—				
42	—	1	1				
43	—	1	1				

Table No. 6 (continued).

## Sci-whales.

Engl. feet.	Number of		Total animals.	
	males.	females.		
43	1	-	1	Average size { Males: 47.71 feet Females: 49.00 „ Total animals: 48.44 „
44	-	-	-	
45	2	-	2	
46	-	1	1	Per cent { Males: 43.75 Females: 56.25
47	-	1	1	
48	-	2	2	
49	-	-	-	
50	3	3	6	
51	1	2	3	
Sum	7	9	16	

## Sperm-whales.

Engl. feet.	Number of males.	Engl. feet.	Number of males.
42	1	51	3
43	-	52	2
44	1	53	3
45	-	54	1
46	-	55	2
47	1	56	1
48	2	59	1
49	6		
50	5	Sum	29

Average size: Males: 50.62 feet.

## 15. Summary Atlantic and Arctic.

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

## Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
60	1	1	2	76	1	2	3
61	1	1	2	77	2	2	4
62	1	-	1	78	1	3	4
63	2	-	2	79	-	-	-
64	-	1	1	80	1	1	2
65	1	-	1	85	-	1	1
66	2	1	3				
67	3	-	3	Sum	33	21	54
68	-	-	-				
69	1	1	2	Average size { Males: 70.15 feet Females: 73.38 „ Total animals: 71.41 „			
70	5	1	6				
71	1	-	1				
72	4	-	4	Per cent { Males: 61.11 Females: 38.89			
73	3	1	4				
74	2	2	4				
75	1	3	4				



Table No. 6 (continued).

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
45	—	1	1	65	23	50	73
46	—	1	1	66	23	36	59
47	3	—	3	67	11	30	41
48	1	2	3	68	10	35	45
49	2	—	2	69	4	28	32
50	17	13	30	70	3	18	21
51	23	14	37	71	—	10	10
52	19	23	42	72	1	5	6
53	19	26	45	73	1	5	6
54	27	22	49	74	—	1	1
55	76	43	119				
56	51	32	83	Sum	755	715	1) 1,470
57	52	39	91				
58	53	32	85	Average size	{ Males: 58.89 feet		
59	50	21	71		{ Females: 61.10 "		
60	88	49	137		{ Total animals: 59.97 "		
61	62	29	91	Per cent	{ Males: 51.36		
62	58	39	97		{ Females: 48.64		
63	38	46	84				
64	40	65	105				

1) In addition 3 fin-whales lost, sex not stated of 1 fin-whale, and 1 fin-whale not measured.

## Humpbacks.

28	—	1	1	45	1	—	1
29	—	—	—	46	—	—	—
30	1	—	1	47	—	—	—
31	—	—	—	48	—	—	—
32	—	—	—	49	—	—	—
33	1	—	1	50	—	—	—
34	1	—	1	51	1	1	2
35	—	1	1	Sum	16	12	1) 28
36	—	2	2				
37	1	—	1	Average size	{ Males: 40.25 feet		
38	1	—	1		{ Females: 40.25 "		
39	2	—	2		{ Total animals: 40.25 "		
40	2	2	4	Per cent	{ Males: 57.14		
41	—	—	—		{ Females: 42.86		
42	—	1	1				
43	2	1	3				
44	3	3	6				

1) In addition size and sex of 1 humpback not stated.

## Sei-whales.

43	1	—	1	53	—	1	1
44	1	—	1	54	—	—	—
45	5	—	5	55	—	1	1
46	—	2	2	Sum	15	14	29
47	—	1	1				
48	1	3	4	Average size	{ Males: 47.33 feet		
49	2	—	2		{ Females: 49.64 "		
50	3	3	6		{ Total animals: 48.45 "		
51	2	2	4	Per cent	{ Males: 51.72		
52	—	1	1		{ Females: 48.28		

Table No. 6 (continued).

Sperm-whales.								
Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
29	—	1	1	53	18	—	18	
30	2	2	4	54	3	—	3	
31	—	2	2	55	7	—	7	
40	3	—	3	56	3	—	3	
41	3	—	3	57	2	—	2	
42	4	—	4	58	—	—	—	
43	5	—	5	59	1	—	1	
44	4	—	4	Sum	177	6	183	
45	21	—	21	Average size { Males: 48.66 feet Females: 33.83 " Total animals: 48.17 " Per cent { Males: 96.72 Females: 3.28				
46	14	—	14					
47	9	—	9					
48	12	—	12					
49	20	—	20					
50	17	—	17					
51	18	—	18					
52	11	1	12					

**16. British Columbia.  
Blue-whales.**

Engl. feet.	Females.	Average size: 72.50 feet.
56	1	
77	1	
78	1	
79	1	
Sum	4	

**Fin-whales.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
37	1	—	1	60	5	4	9	
42	1	—	1	61	4	4	8	
43	—	—	—	62	5	5	10	
44	1	—	1	63	1	9	10	
45	—	—	—	64	2	8	10	
46	1	—	1	65	1	6	7	
47	—	1	1	66	—	3	3	
48	—	1	1	67	—	3	3	
49	1	2	3	68	—	1	1	
50	4	—	4	69	—	—	—	
51	2	2	4	70	—	1	1	
52	1	3	4	Sum	70	80	150	
53	3	1	4	Average size { Males: 56.04 feet Females: 59.51 " Total animals: 57.89 " Per cent { Males: 46.67 Females: 53.33				
54	9	7	16					
55	2	3	5					
56	11	6	17					
57	6	5	11					
58	3	2	5					
59	6	3	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	2	1	3			
31	3	—	3	45	1	4	5			
32	2	1	3	46	2	1	3			
33	—	3	3	47	1	—	1			
34	4	—	4	48	—	1	1			
35	2	1	3	49	—	2	2			
36	5	3	8	Sum	61	34	95			
37	3	2	5	Average size {	Males:	39.23 feet	"			
38	2	1	3					Females:	40.12	"
39	6	4	10							
40	6	1	7	Per cent {	Males: 64.21	"				
41	11	2	13				Females: 35.79	"		
42	7	4	11							
43	4	2	6							

## Sei-whales.

36	—	1	1	48	—	1	1			
37	—	—	—	49	—	2	2			
38	—	—	—	50	—	1	1			
39	—	—	—	Sum	9	15	24			
40	—	—	—	Average size {	Males:	43.89 feet	"			
41	1	1	2					Females:	45.40	"
42	1	1	2							
43	1	—	1	Per cent {	Males: 37.50	"				
44	3	2	5				Females: 62.50	"		
45	1	1	2							
46	2	2	4							
47	—	3	3							

## Sperm-whales.

Engl. feet.	Number of males.	Engl. feet.	Number of males.
38	1	46	1
39	2	47	3
40	1	48	3
41	4	49	4
42	6	50	1
43	5	Sum	40
44	2		
45	7		

Average size: Males: 44.18 feet.

Table No. 6 (continued).

## 17. Kamtchatka (pelagic).

## Blue-whales.

Engl. feet.	Number of		Total animals.		
	males.	females.			
73	—	1	1	Average size { Males: 78.50 feet Females: 73.00 » Total animals: 77.40 »	
74	—	—	—		
75	—	—	—		
76	1	—	1		
77	1	—	1		Per cent { Males: 80.00 Females: 20.00
78	—	—	—		
79	—	—	—		
80	1	—	1		
81	1	—	1		
Sum	4	1	5		

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
53	1	—	1	65	1	3	4
54	1	1	2	66	1	—	1
55	4	4	8	67	—	2	2
56	7	2	9	68	1	—	1
57	5	1	6	69	1	—	1
58	8	1	9	Sum	61	31	92
59	9	3	12	Average size { Males: 59.51 feet Females: 60.32 » Total animals: 59.78 »	Per cent { Males: 66.30 Females: 33.70		
60	6	3	9				
61	2	5	7				
62	3	2	5				
63	9	2	11				
64	2	2	4				

## Humpbacks.

Engl. feet.	Number of		Total animals.	
	males.	females.		
35	1	1	2	Average size { Males: 35.00 feet Females: 39.00 » Total animals: 38.00 »
39	—	1	1	
43	—	1	1	
Sum	1	3	4	

Table No. 6 (continued).

## Sei-whales.

Engl. feet.	Number of		Total animals.
	males.	females.	
47	1	1	2
48	1	1	2
49	-	-	-
50	-	-	-
51	1	-	1
52	1	-	1
53	-	-	-
54	1	-	1
Sum	5	2	7

Average size { Males: 50.40 feet  
Females: 47.50 "  
Total animals: 49.57 "

Per cent { Males: 71.43  
Females: 28.57

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	47	33	80	52	15	-	15
36	24	12	36	53	7	-	7
37	12	4	16	54	2	-	2
38	11	3	14	55	2	-	2
39	23	2	25	56	-	-	-
40	24	-	24	57	1	-	1
41	42	-	42	Sum	530	57	587
42	22	1	23	Average size { Males: 43.82 feet Females: 36.12 " Total animals: 43.07 "			
43	39	1	40				
44	40	-	40				
45	35	-	35				
46	33	-	33				
47	29	1	30				
48	31	-	31				
49	30	-	30				
50	37	-	37				
51	24	-	24				

Per cent { Males: 90.29  
Females: 9.71

## 18. Kuril Islands.

## Blue-whales.

Engl. feet.	Number of		Total animals.
	males.	females.	
74	1	-	1
75	1	-	1
Sum	2	-	2

Average size: Males: 74.50 feet.

Table No. 6 (continued).

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
52	2	-	2	68	-	-	-
55	12	5	17	69	1	-	1
56	8	4	12	70	-	1	1
57	2	1	3	75	2	-	2
58	8	3	11	Sum	66	40	106
59	2	2	4	Average size			{ Males: 62.41 feet
60	3	3	6				{ Females: 62.48 "
61	7	3	10				{ Total animals: 62.43 "
62	5	3	8	Per cent			{ Males: 62.26
63	5	4	9				{ Females: 37.74
64	3	5	8				
65	5	3	8				
66	-	2	2				
67	1	1	2				

## Humpbacks.

35	4	-	4	49	1	-	1
36	1	-	1	50	-	-	-
37	-	-	-	53	2	1	3
38	-	-	-	56	-	1	1
39	-	-	-	58	1	-	1
40	-	1	1	Sum	13	5	18
41	2	-	2	Average size			{ Males: 43.23 feet
42	-	-	-				{ Females: 47.20 "
43	-	1	1				{ Total animals: 44.33 "
44	-	1	1	Per cent			{ Males: 72.22
45	1	-	1				{ Females: 27.78
46	1	-	1				
47	-	-	-				
48	-	-	-				

## Sei-whales.

40	1	2	3	56	-	-	-
41	3	-	3	57	1	1	2
42	3	2	5	58	-	-	-
43	4	1	5	59	-	-	-
44	-	1	1	60	1	-	1
45	3	1	4	61	1	-	1
46	4	2	6	Sum	31	18	49
47	5	2	7	Average size			{ Males: 51.32 feet
48	-	3	3				{ Females: 46.39 "
49	2	1	3				{ Total animals: 49.51 "
50	1	1	2	Per cent			{ Males: 63.27
51	-	-	-				{ Females: 36.73
52	-	-	-				
53	2	1	3				
54	-	-	-				
55	-	-	-				

Table No. 6 (continued).

Sperm-whales.								
Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
34	-	1	1	54	3	-	3	
35	286	206	492	55	11	-	11	
36	144	43	187	56	2	-	2	
37	81	6	87	57	2	-	2	
38	68	13	81	58	-	-	-	
39	65	9	74	59	3	-	3	
40	31	2	33	60	2	-	2	
41	46	3	49	61	-	-	-	
42	34	1	35	62	1	-	1	
43	44	8	52	63	1	-	1	
44	26	1	27	Sum	1,166	305	1,471	
45	32	2	34	Average size {				Males: 40.91 feet
46	51	2	53	{ Females: 36.29 "				
47	34	-	34	{ Total animals: 39.95 "				
48	29	3	32	Per cent {				
49	50	2	52	{ Males: 79.27				
50	32	1	33	{ Females: 20.73				
51	41	1	42					
52	25	1	26					
53	22	-	22					

19. Japan.  
Blue-whales.

Engl. feet.	Number of		Total animals.	Average size {	Males: 74.00 feet
	males.	females.			
67	-	2	2	} Females: 73.75 "	} Total animals: 73.86 "
70	1	-	1		
73	1	-	1		
79	1	1	2	} Males: 42.86	} Females: 57.14
82	-	1	1		
Sum	3	4	7		

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
50	4	1	5	64	2	3	5	
51	7	7	14	65	-	7	7	
52	7	12	19	66	-	4	4	
53	4	1	5	67	-	-	-	
54	2	2	4	68	1	4	5	
55	1	3	4	69	-	1	1	
56	4	4	8	Sum	67	74	141	
57	1	6	7	Average size {				Males: 57.04 feet
58	6	5	11	{ Females: 53.47 "				
59	5	1	6	{ Total animals: 57.81 "				
60	6	2	8	Per cent {				
61	9	2	11	{ Males: 47.52				
62	5	6	11	{ Females: 52.48				
63	3	3	6					

Table No. 6 (continued).

## Humpbacks.

Engl. feet.	Number of		Total animals.	Average size
	males.	females.		
36	-	1	1	Males: 40.50 feet Females: 42.00 " Total animals: 41.40 "
37	1	-	1	
44	1	-	1	
45	-	2	2	Males: 40.00 Females: 60.00
Sum	2	3	5	

## Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	2	1	3	48	1	12	13
36	1	3	4	49	-	12	12
37	6	6	12	50	-	12	12
38	5	3	8	51	1	1	2
39	9	9	18	52	-	-	-
40	14	11	25	53	-	1	1
41	13	8	21	Sum	121	175	1) 296
42	7	17	24	Males: 42.53 feet Females: 44.21 " Total animals: 43.52 "			
43	13	19	32				
44	9	7	16	Males: 40.88 Females: 59.12			
45	14	20	34				
46	16	19	35				
47	10	14	24				

1) In addition 3 sei-whales lost.

## Sperm-whales.

31	-	1	1	49	12	-	12
34	-	1	1	50	18	-	18
35	55	102	157	51	17	-	17
36	153	178	335	52	12	-	12
37	121	92	213	53	2	-	2
38	93	40	133	54	3	-	3
39	65	7	72	55	1	-	1
40	62	2	64	Sum	820	423	1) 1,243
41	42	-	42	Males: 39.86 feet Females: 36.22 " Total animals: 38.62 "			
42	36	-	36				
43	32	-	32	Males: 65.97 Females: 34.03			
44	29	-	29				
45	24	-	24				
46	16	-	16				
47	12	-	12				
48	10	-	10				

1) In addition 6 sperm-whales lost.



Table No. 6 (continued).

## 20. Bonin Island, pelagic.

## Sei-whales.

Engl. feet.	Number of		Total animals.	
	males.	females.		
40	28	15	43	Average size { Males: 41.62 feet Females: 42.65 " Total animals: 42.19 "
41	27	17	44	
42	23	29	52	
43	23	31	54	
44	6	26	32	
45	1	13	14	
46	1	3	4	Per cent { Males: 44.86 Females: 55.14
Sum	109	134	243	

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
33	-	1	1	48	1	-	1
34	-	-	-	49	2	-	2
35	1	2	3	50	7	-	7
36	4	2	6	51	4	-	4
37	4	-	4	52	3	-	3
38	5	-	5	53	2	-	2
39	6	-	6	Sum	58	5	63
40	1	-	1	Average size { Males: 43.62 feet Females: 35.00 " Total animals: 42.94 "	Per cent { Males: 92.06 Females: 7.94		
41	3	-	3				
42	4	-	4				
43	5	-	5				
44	2	-	2				
45	1	-	1				
46	3	-	3				
47	-	-	-				

## 21. Summary Pacific North.

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

## Blue-whales.

56	-	1	1	81	1	-	1
67	-	2	2	82	-	1	1
70	1	-	1	Sum	9	9	18
73	1	1	2	Average size { Males: 76.11 feet Females: 73.11 " Total animals: 74.61 "	Per cent { Males: 50.00 Females: 50.00		
74	1	-	1				
75	1	-	1				
76	1	-	1				
77	1	1	2				
78	-	1	1				
79	1	2	3				
80	1	-	1				

Table No. 6 (continued).

Fin-whales.								
Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
37	1	-	1	61	22	14	36	
42	1	-	1	62	18	16	34	
44	1	-	1	63	18	18	36	
46	1	-	1	64	9	18	27	
47	-	1	1	65	7	19	26	
48	-	1	1	66	1	9	10	
49	1	2	3	67	1	6	7	
50	8	1	9	68	2	5	7	
51	9	9	18	69	2	1	3	
52	10	15	25	70	-	2	2	
53	8	2	10	75	2	-	2	
54	12	10	22	Sum	264	225	489	
55	19	15	34	Average size {				Males: 57.46 feet
56	30	16	46	{				Females: 60.18 "
57	14	13	27	{				Total animals: 58.71 "
58	25	11	36	Per cent {				Males: 53.99
59	22	9	31	{				Females: 46.01
60	20	12	32					
Humpbacks.								
30	-	1	1	46	3	1	4	
31	3	-	3	47	1	-	1	
32	2	1	3	48	-	1	1	
33	-	3	3	49	1	2	3	
34	4	-	4	50	-	-	-	
35	7	2	9	53	2	1	3	
36	6	4	10	56	-	1	1	
37	4	2	6	58	1	-	1	
38	2	1	3	Sum	77	45	122	
39	6	5	11	Average size {				Males: 39.88 feet
40	6	2	8	{				Females: 40.96 "
41	13	2	15	{				Total animals: 40.28 "
42	7	4	11	Per cent {				Males: 63.11
43	4	4	8	{				Females: 36.89
44	3	2	5					
45	2	6	8					
Sei-whales.								
35	2	1	3	51	2	1	3	
36	1	4	5	52	1	-	1	
37	6	6	12	53	2	2	4	
38	5	3	8	54	1	-	1	
39	9	9	18	57	1	1	2	
40	43	28	71	60	1	-	1	
41	44	26	70	61	1	-	1	
42	34	49	83	Sum	275	344	619	
43	41	51	92	Average size {				Males: 42.83 feet
44	18	36	54	{				Females: 43.71 "
45	19	35	54	{				Total animals: 43.36 "
46	23	26	49	Per cent {				Males: 44.43
47	16	20	36	{				Females: 55.57
48	2	17	19					
49	2	15	17					
50	1	14	15					

Table No. 6 (continued).

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
31	—	1	1	53	33	—	33
33	—	1	1	54	8	—	8
34	—	2	2	55	14	—	14
35	389	343	732	56	2	—	2
36	330	235	565	57	3	—	3
37	218	102	320	58	—	—	—
38	178	56	234	59	3	—	3
39	161	18	179	60	2	—	2
40	119	4	123	61	—	—	—
41	137	3	140	62	1	—	1
42	102	2	104	68	1	—	1
43	125	9	134	Sum	2,614	790	3,404
44	99	1	100	Average size { Males: 41.24 feet Females: 36.23 " Total animals: 40.11 " Per cent { Males: 76.79 Females: 23.21			
45	99	2	101				
46	104	2	106				
47	78	1	79				
48	74	3	77				
49	98	2	100				
50	95	1	96				
51	86	1	87				
52	55	1	56				

22. Chile.  
Blue-whales.

50	1	—	1	80	—	—	—
52	1	—	1	81	—	1	1
66	—	1	1	82	—	3	3
67	—	—	—	83	—	—	—
68	—	2	2	84	—	3	3
69	2	2	4	85	—	1	1
70	1	2	3	Sum	18	27	45
71	—	1	1	Average size { Males: 71.28 feet Females: 76.26 " Total animals: 74.27 " Per cent { Males: 40.00 Females: 60.00			
72	2	2	4				
73	1	1	2				
74	4	—	4				
75	2	—	2				
76	2	1	3				
77	—	1	1				
78	—	—	—				
79	2	6	8				

## Fin-whales.

48	1	—	1	64	3	1	4
50	—	2	2	65	—	—	—
51	—	—	—	66	2	—	2
52	—	1	1	67	—	1	1
53	1	1	2	68	—	—	—
54	53	50	103	69	1	—	1
55	25	16	41	70	—	2	2
56	24	20	44	Sum	141	133	274
57	13	10	23	Average size { Males: 56.02 feet Females: 56.36 " Total animals: 56.19 " Per cent { Males: 51.46 Females: 48.54			
58	5	4	9				
59	3	8	11				
60	1	3	4				
61	4	6	10				
62	3	4	7				
63	2	4	6				

Table No. 6 (continued).

## Humpbacks.

Engl. feet.	Number of		Total animals.	Average size	Per cent
	males.	females.			
37	—	1	1	{ Males: 46.75 feet Females: 37.00 " Total animals: 44.80 "	{ Males: 80.00 Females: 20.00
44	2	—	2		
45	1	—	1		
54	1	—	1		
Sum	4	1	5		

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	47	107	154	52	19	—	19
36	34	26	60	53	30	—	30
37	14	—	14	54	15	—	15
38	21	1	22	55	7	—	7
39	37	4	41	56	5	—	5
40	23	2	25	57	4	—	4
41	35	1	36	58	2	—	2
42	21	—	21	Sum	628	141	769
43	37	—	37	Average size { Males: 44.82 feet Females: 35.43 " Total animals: 43.10 "	Per cent { Males: 81.66 Females: 18.34		
44	20	—	20				
45	18	—	18				
46	39	—	39				
47	33	—	33				
48	37	—	37				
49	56	—	56				
50	37	—	37				
51	37	—	37				

## 23. Australia.

## Humpbacks.

31	1	—	1	44	8	9	17
32	2	1	3	45	4	11	15
33	—	—	—	46	1	9	10
34	—	1	1	47	—	2	2
35	5	4	9	48	—	2	2
36	10	9	19	Sum	250	137	<sup>1)</sup> 387
37	15	8	23	Average size { Males: 40.10 feet Females: 41.15 " Total animals: 40.47 "	Per cent { Males: 64.60 Females: 35.40		
38	16	7	23				
39	39	10	49				
40	51	16	67				
41	39	11	50				
42	42	22	64				
43	17	15	32				

<sup>1)</sup> In addition 1 humpback lost.

Table No. 6 (continued).

## 24. New Zealand.

## Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	1	3	4	46	-	2	2
36	3	-	3	47	-	-	-
37	3	3	6	48	-	1	1
38	1	-	1	Sum	52	27	79
39	6	1	7	Average size { Males: 40.67 feet Females: 41.22 " Total animals: 40.86 "  Per cent { Males: 65.82 Females: 34.18			
40	8	2	10				
41	10	5	15				
42	7	3	10				
43	9	3	12				
44	2	2	4				
45	2	2	4				

**Table No. 7.—Average production of oil per “blue-whale unit” in the summer season 1950.**

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

Geographical areas.	Company.	Blue-whale equivalents.	Oil production.	
			Total.	Per blue-whale equivalent.
<i>Africa:—</i>			Barrels. <sup>1)</sup>	Barrels. <sup>1)</sup>
Natal .....	No. 1	247.7	24,689	99.7
Cape Province .....	„ 1	195.1	11,700	60.0
Madagascar .....	„ 1	289.3	33,024	114.2
French Congo .....	„ 1	561.6	64,236	114.4
Spanish Morocco .....	„ 1	16.2	558	34.4
Average		—	—	102.5
<i>Brazil .....</i>	No. 1	25.9	1,894	73.1
<i>Atlantic and Arctic:—</i>				
Spain .....	No. 1	10.8	636	58.9
Portugal .....	„ 1	17.0	625	36.8
Norway .....	„ 1	58.6	4,046	69.0
	„ 2	22.8	1,380	60.5
	„ 3	48.0	3,601	75.0
	„ 4	47.8	3,106	65.0
Scotland .....	„ 1	17.5	1,057	60.4
Faroe Islands .....	„ 1	100.6	5,678	56.4
	„ 2	94.7	5,573	58.8
Iceland .....	„ 1	141.0	11,807	83.7
West Greenland .....	„ 1	18.7	436	23.3
Newfoundland .....	„ 1	72.9	5,293	72.6
	„ 2	155.6	13,457	86.5
Average		—	—	70.3
<i>Pacific North:—</i>				
British Columbia .....	No. 1	121.0	8,130	67.2
Kamchatka, pelagic .....	„ 1	53.8	2,340	43.5
Kuril Islands .....	„ 1	70.4	650	9.2
Japan .....	„ 1	56.5	1,453	25.7
	„ 2	50.8	1,741	34.3
	„ 3	18.7	359	19.2
	„ 4	1.2	12	10.0
	„ 5	1.7	35	20.6
Bonin Island, pelagic .....	„ 1	40.5	744	18.4
Average		—	—	37.3
<i>Chile .....</i>	No. 1	181.1	7,576	41.8
	„ 2	2.9	80	27.6
Average		—	—	41.6
<i>Australia .....</i>	No. 1	138.8	14,844	106.9
	„ 2	16.0	1,650	103.1
Average		—	—	106.6
<i>New Zealand .....</i>	No. 1	31.6	2,844	90.0

<sup>1)</sup> Barrel = 170 kg. (Barrel = abt. ¼ long ton, 1 long ton = 1,016 kg.)

**Table No. 8.—Average production of oil per sperm-whale in the summer season 1950.**

Geographical areas.	Company.	Number of sperm-whales.	Oil production.	
			Total.	Per sperm-whale.
<i>Africa:—</i>			Barrels. <sup>1)</sup>	Barrels. <sup>1)</sup>
Natal .....	No. 1	391	13,991	35.8
Cape Province .....	" 1	159	3,300	20.8
Madagascar <sup>2)</sup> .....	" 1	63	1,400	22.2
Spanish Morocco .....	" 1	77	1,236	16.1
Average			—	28.9
<i>Atlantic and Arctic:—</i>				
Azores .....	No. 1	390	10,907	28.0
Madeira .....	" 1	14	387	27.6
Spain .....	" 1	3	52	17.3
Portugal .....	" 1	10	139	13.9
Norway .....	" 1	6	300	50.0
	" 2	13	644	49.5
	" 3	6	290	48.3
	" 4	54	2,612	48.4
Faroe Islands .....	" 1	35	1,494	42.7
	" 2	11	487	44.3
Iceland .....	" 1	11	485	44.1
West Greenland .....	" 1	5	108	21.6
Newfoundland .....	" 1	1	60	60.0
	" 2	28	1,698	60.6
Average			—	33.5
<i>Pacific North:—</i>				
British Columbia .....	No. 1	40	1,468	36.7
Kamtschatka, pelagic .....	" 1	587	24,706	42.1
Kuril Islands .....	" 1	1,471	34,353	23.4
Japan .....	" 1	487	8,500	17.5
	" 2	482	9,771	20.3
	" 3	176	2,806	15.9
	" 4	47	553	11.8
	" 5	51	882	17.3
Bonin Island, pelagic .....	" 1	63	2,003	31.8
Average			—	25.0
<i>Chile</i> .....	No. 1	693	18,811	27.1
	" 2	76	3,764	49.5
Average			—	29.4

<sup>1)</sup> Barrel = 170 kg. (Barrel = abt.  $\frac{1}{16}$  long ton, 1 long ton = 1,016 kg.) <sup>2)</sup> Incl. 52 sperm-whales caught in the Indian Ocean.

**Table No. 9.—Whale fetuses measured in the summer season 1950.**  
Blue-whale fetuses.

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
<i>Faroe Islands.</i>	$\frac{2}{6}$	80	8' 0"	F	<i>Newfoundland.</i>	$\frac{25}{6}$	74	2' 0"	M
<i>Iceland.</i>	$\frac{12}{8}$	78	2' 0"	F	Average length	"	70	7' 0"	M
Average length	$\frac{19}{8}$	77	5' 6"	F	of fetuses:				
of fetuses:	$\frac{21}{7}$	85	11' 0"	M	4' 6".				
9' 6".	$\frac{16}{8}$	76	12' 0"	F	<i>British Columbia.</i>	$\frac{2}{6}$	78	3' 0"	M
	$\frac{17}{8}$	78	12' 0"	F	<i>Chile.</i>	$\frac{9}{1}$	84	10' 6"	M
	$\frac{9}{9}$	78	14' 6"	M					

Table No. 9 (continued).

## Fin-whale foetuses.

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
		Engl. ft.	Engl. ft.				Engl. ft.	Engl. ft.	
<i>Natal.</i>					<i>Faroe Islands</i>				
Average length of foetuses:	1/8	74	7' 6"	M	(cont.).	24/7	70	10' 0"	M
8' 9"	6/9	58	10' 0"	F		6/8	67	2' 0"	F
<i>Cape Province.</i>						20/8	68	3' 0"	F
<i>Spanish Morocco.</i>	19/9	58	0' 10"	M		29/8	59	9' 0"	M
<i>Spain.</i>						1/9	64	16' 0"	M
<i>Portugal.</i>	8/11	58	5' 0"	M		13/10	65	15' 0"	M
Average length of foetuses:	31/8	73	2' 0"	M		25/10	64	14' 0"	M
5' 6"					<i>Iceland.</i>				
<i>Norway.</i>	18/8	64	3' 6"	F	Average length of foetuses:	8/6	64	4' 0"	M
4' 10".	13/7	69	6' 10"	F	6' 4"	9/6	68	6' 0"	M
	29/7	68	4' 2"	F		13/6	63	6' 0"	F
	13/10	65	7' 4"	F		14/6	67	4' 0"	F
						15/6	68	6' 6"	M
	19/6	65	4' 6"	F		"	70	1' 6"	F
	9/7	69	0' 10"	F		"	68	5' 0"	M
	14/7	73	2' 6"	M		17/6	67	6' 0"	F
	28/7	66	5' 0"	M		19/6	64	1' 0"	F
	28/8	64	3' 0"	M		21/6	71	3' 0"	F
	30/8	64	9' 0"	F		23/6	66	5' 0"	M
	3/9	71	9' 0"	M		25/6	62	4' 0"	F
<i>Scotland.</i>						27/6	64	3' 0"	M
Average length of foetuses:	17/6	66	6' 0"	M		1/7	61	5' 0"	F
6' 10"	23/6	67	4' 0"	M		7/7	68	3' 0"	M
	13/8	71	8' 0"	F		8/7	64	3' 6"	F
		71	4' 0"	M		9/7	60	6' 0"	F
	22/8	68	12' 0"	F		10/7	65	5' 0"	M
<i>Faroe Islands.</i>						"	64	6' 0"	F
Average length of foetuses:						"	67	7' 0"	F
5' 7"	10/5	66	1' 8"	F		"	62	3' 0"	F
	16/5	66	3' 6"	F		12/7	71	10' 0"	M
	26/5	70	2' 6"	M		13/7	63	6' 0"	M
	3/8	64	1' 8"	F		14/7	66	9' 0"	F
	6/8	65	2' 10"	F		15/7	68	8' 0"	F
	10/6	66	2' 0"	F		16/7	63	8' 0"	F
	11/6	68	1' 3"	F		20/7	62	9' 0"	M
		66	5' 0"	F		24/7	67	11' 0"	M
	12/6	70	8' 0"	F		26/7	65	7' 0"	F
	14/6	68	1' 3"	F		29/7	64	7' 0"	F
	16/6	62	5' 0"	M		30/7	67	10' 0"	F
	18/6	68	6' 0"	F		3/8	68	5' 0"	F
	19/6	68	5' 0"	F		12/8	64	2' 0"	F
		65	4' 5"	F		23/8	65	10' 0"	M
	20/6	61	6' 6"	F		24/8	70	8' 0"	F
	23/6	58	1' 1"	F		3/9	69	15' 0"	M
	24/6	65	6' 0"	F		11/9	67	9' 0"	M
	25/6	68	4' 0"	F		19/9	62	13' 0"	F
	26/6	72	6' 0"	F		21/9	61	8' 0"	F
		59	4' 0"	F		26/9	64	7' 0"	M
		62	3' 0"	F					
	8/7	70	6' 0"	F	<i>West Greenland.</i>	22/6	61	6' 5"	M
	11/7	72	9' 0"	F	Average length of foetuses:	24/6	64	4' 3"	M
	12/7	62	3' 6"	M	9' 1"	10/7	63	8' 0"	F
	14/7	66	11' 0"	M		19/7	63	9' 5"	M



Table No. 9 (continued).

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
<i>West Greenland</i> (cont.).	3/8	63	7' 0"	F	<i>Newfoundland.</i> (cont.).	24/8	64	7' 4"	F
	28/8	65	12' 3"	M		65	9' 0"		
	4/10	67	16' 0"	F		25/8	63	3' 6"	F
<i>Newfoundland.</i> Average length of foetuses: 7' 1"	13/6	67	6' 0"	F	26/8	63	10' 10"	M	
	23/6	57	4' 0"	M	27/8	58	11' 4"	F	
	24/6	65	7' 0"	M	29/8	67	13' 4"	F	
	26/6	59	1' 0"	M	30/8	61	9' 6"	M	
	28/6	64	6' 0"	M	31/8	62	12' 8"	F	
	29/6	57	2' 0"	F	1/9	57	12' 7"	F	
	"	60	5' 0"	M	"	60	10' 0"	M	
	"	57	5' 0"	F	4/9	60	5' 0"	F	
	2/7	64	6' 6"	M	5/9	67	2' 6"	F	
	"	65	8' 0"	F	"	69	2' 0"	M	
	"	62	6' 0"	F	7/9	64	12' 0"	M	
	6/7	61	8' 0"	M	15/9	65	15' 0"	F	
	7/7	65	5' 0"	F	16/9	64	13' 3"	F	
	8/7	59	4' 0"	M	25/9	60	5' 0"		
	11/7	68	7' 0"	M	26/9	65	14' 0"	M	
	12/7	65	4' 0"	F	27/9	60	12' 6"	M	
	"	66	7' 0"	F	27/9	63	13' 9"	F	
	14/7	66	9' 0"	F	30/9	61	6' 0"	F	
	"	64	3' 0"	M	1/10	60	14' 0"	F	
	"	62	0' 10"	M	"	66	5' 1"	F	
	15/7	62	4' 0"	M	20/10	69	4' 7"	F	
	16/7	63	7' 0"	F	26/10	64	10' 10"	M	
	17/7	61	6' 0"	F					
	"	61	5' 0"	F	<i>British Columbia.</i>	10/6	64	2' 3"	M
	"	59	3' 0"	F	Average length of foetuses: 6' 5".	14/6	62	4' 11"	M
	19/7	59	2' 0"	M	4/7	66	5' 1"	M	
	22/7	65	7' 0"	M	8/7	64	5' 2"	F	
	23/7	64	8' 6"	F	13/7	62	6' 1"	M	
	24/7	64	6' 0"	F	18/7	56	5' 11"	F	
	27/7	64	3' 0"	F	20/7	67	5' 0"	M	
	28/7	62	8' 0"	M	21/7	68	0' 4"	F	
	2/8	66	1' 0"	M	26/7	62	7' 5"	F	
	"	63	10' 0"	M	30/7	56	9' 7"	M	
	"	59	3' 6"	M	31/7	62	4' 6"	F	
	4/8	65	12' 0"	F	3/8	70	13' 0"	F	
	"	61	2' 4"	M	4/8	63	4' 8"	M	
	"	63	1' 6"	M	5/8	65	7' 5"	M	
	"	64	5' 5"	F	"	63	6' 3"	F	
	5/8	58	7' 7"	F	7/8	65	7' 11"	M	
	"	66	9' 6"	F	11/8	60	6' 1"	M	
	8/8	51	11' 6"	M	14/8	65	6' 8"	M	
	9/8	55	6' 8"	M	25/8	66	9' 11"	F	
	"	62	9' 6"	F	14/9	63	9' 10"	F	
	10/8	60	10' 0"	F	15/9	64	7' 8"	F	
	11/8	63	9' 0"	M	22/9	63	5' 8"	M	
	18/8	65	7' 0"	M					
	15/8	64	3' 0"	M	<i>Japan.</i>	3/6	68	6' 0"	M
	16/8	66	4' 3"	F	Average length of foetuses: 6' 9"	12/6	65	7' 0"	M
	21/8	63	8' 3"	F	26/7	58	7' 0"	F	
	"	65	11' 5"	M	24/8	62	7' 2"	F	
	"	65	11' 5"	M					
	"	65	11' 5"	M	<i>Chile.</i>	18/1	57	8' 2"	M
	"	65	11' 5"	M	Average length of foetuses: 8' 2"	27/5	62	8' 2"	F

Table No. 9 (continued).

## Humpback-foetuses.

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
<i>Natal.</i>	23/9	42	8' 0"	F	<i>Faroe Islands.</i>	26/6	44	1' 0"	
<i>Cape Province.</i>	4/7	52	2' 3"	M					
<i>Madagascar.</i>					<i>Newfoundland.</i>				
Average length of foetuses: 13' 7"	16/7	47	12' 0"	F	Average length of foetuses: 2' 3"	25/7	43	2' 6"	
	22/7	44	12' 0"	M		16/8	51	2' 0"	F
	23/7	48	13' 0"	M					
	24/7	47	12' 0"	F	<i>British Columbia.</i>				
	"	48	15' 0"	F	Average length of foetuses: 4' 7"	23/6	45	1' 3"	M
	"	46	13' 0"	F		19/8	46	3' 2"	F
	30/7	42	14' 0"	M		25/8	42	4' 1"	M
	"	47	12' 0"	M		14/9	49	9' 3"	M
	"	45	12' 0"	M		16/9	39	3' 2"	F
	2/8	48	15' 0"	F		17/9	42	6' 7"	M
	5/8	48	14' 0"	F					
	"	48	16' 0"	F	<i>West Australia.</i>				
	8/8	46	12' 0"	M	Average length of foetuses: 13' 7"	1/7	43	13' 2"	M
	9/8	47	14' 0"	M		9/7	37	12' 4"	F
	10/8	47	14' 0"	M		"	42	4' 9"	M
	"	48	16' 0"	F		12/7	44	14' 2"	M
	11/8	48	15' 0"	F		14/7	46	13' 11"	M
	"	47	12' 0"	F		"	44	14' 3"	M
	"	46	11' 0"	M		19/7	48	13' 11"	M
	13/8	49	14' 0"	M		"	43	12' 6"	M
	15/8	46	13' 0"	M		20/7	45	12' 6"	M
	16/8	47	14' 0"	M		21/7	41	13' 6"	F
	"	47	14' 0"	F		23/7	48	16' 7"	M
	17/8	47	14' 0"	F		24/7	43	12' 8"	F
	"	47	14' 0"	F		25/7	42	13' 8"	M
	21/8	46	14' 0"	F		26/7	40	15' 6"	M
	22/8	42	12' 0"	F		"	46	14' 3"	M
	"	47	13' 0"	M		3/8	44	13' 4"	F
	"	47	13' 0"	M		4/8	42	14' 4"	F
	23/8	46	16' 0"	M		6/8	42	13' 4"	M
	"	47	15' 0"	M		7/8	45	15' 4"	F
	"	47	13' 0"	M		12/8	45	14' 9"	M
	24/8	43	13' 0"	M		14/8	45	13' 7"	F
	25/8	47	12' 0"	M		17/8	44	14' 6"	F
	26/8	46	13' 0"	M		20/8	46	14' 4"	F
	30/8	47	15' 0"	M		23/8	44	14' 7"	M
	4/9	43	11' 0"	F		26/9	41	12' 10"	M
	8/9	44	14' 0"	F					
	"	48	12' 0"	M					
	10/9	46	16' 0"	M					
	15/9	46	16' 0"	F					
	"	46	17' 0"	F					
<i>French Congo.</i>					<i>New Zealand.</i>				
Average length of foetuses: 12' 3"	22/8	39	6' 0"	M	Average length of foetuses: 13' 0"	8/8	46	12' 0"	M
	20/8	47	11' 0"	M		10/7	41	14' 0"	F
	27/8	50	13' 0"	M					
	28/8	43	13' 0"	F					
	22/9	47	15' 0"	F					
	24/9	51	15' 0"	F					
	27/9	49	13' 0"	M					

Table No. 9 (continued).

## Sei-whale foetuses.

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
		Engl. ft.	Engl. ft.				Engl. ft.	Engl. ft.	
<i>Natal.</i>	19/7	43	8' 6"	M	<i>Japan</i> (cont.).	27/7	46	6' 5"	M
						30/7	44	6' 9"	M
						6/8	46	4' 0"	M
						19/8	47	8' 1"	F
						29/8	50	9' 1"	M
						26/9	47	12' 2"	M
						27/9	46	12' 3"	M
						18/10	45	12' 6"	F
						23/10	50	10' 8"	F
<i>Cape Province.</i> Average length of foetuses: 2' 6"	10/8	48	9' 5"	F	<i>Bonin Island.</i> Average length of foetuses: 3' 8".	3/5	44	0' 2"	M
	13/8	44	11' 5"	F		4/5	44	3' 1"	F
	15/8	47	4' 0"	M			44	3' 1"	F
	23/8	46	0' 4"	F		5/5	43	3' 10"	F
	24/8	48	0' 11"	M			42	0' 5"	M
	25/8	52	0' 9"	M			43	5' 7"	F
	"	50	0' 5"	M		6/5	43	6' 2"	F
	"	54	1' 8"	F		7/5	40	5' 7"	M
	"	54	0' 8"	M			43	2' 7"	F
	"	51	0' 7"	M		8/5	42	1' 7"	M
	"	50	0' 9"	M		9/5	44	3' 8"	F
	30/8	48	0' 10"	M			43	2' 3"	F
	31/8	54	1' 8"	M		13/5	41	6' 2"	M
	"	50	1' 2"	M		16/5	43	3' 3"	M
	3/9	56	2' 5"	M			42	4' 1"	F
	6/9	51	1' 2"	M		17/5	40	1' 9"	M
	7/9	53	4' 10"	M			41	2' 8"	M
	"	51	2' 6"	M		18/5	44	1' 8"	M
	"	50	0' 10"	F		20/5	43	1' 11"	M
	8/9	54	2' 2"	M		21/5	42	4' 0"	F
	"	53	3' 7"	M		44	0' 9"	F	
	"	54	5' 7"	F	24/5	43	2' 10"	F	
	9/9	54	2' 4"	M	25/5	42	2' 7"	F	
	"	56	2' 3"	F	27/5	43	5' 1"	M	
	18/9	51	2' 4"	F	28/5	42	3' 6"	M	
	21/9	48	2' 5"	F	29/5	44	6' 10"	M	
	25/9	56	1' 3"	M		42	4' 10"	F	
	"	55	2' 3"	F	30/5	45	3' 6"	F	
	13/10	48	0' 10"	F	"	42	3' 6"	M	
					"	44	6' 10"	M	
					31/5	45	4' 10"	F	
						45	4' 7"	F	
					2/6	42	5' 10"	F	
<i>Faroe Islands</i>	27/9	46	8' 0"	F		42	8' 1"	M	
					5/6	42	4' 1"	F	
<i>British Columbia.</i> Average length of foetuses: 5' 5"	31/5	46	2' 10"	M		42	3' 8"	M	
	30/6	47	5' 0"	M		43	4' 0"	M	
	5/7	47	3' 2"	M		43	4' 0"	M	
	21/7	45	4' 5"	F		43	1' 7"	F	
	"	44	5' 0"	M		43	5' 9"	F	
	22/7	49	6' 5"	F					
	9/9	48	10' 10"	F					
<i>Japan.</i> Average length of foetuses: 7' 10".	23/6	43	6' 8"	M					
	24/6	43	6' 5"	F					
	12/7	46	4' 7"	F					
	17/7	48	7' 2"	M					
	23/7	44	5' 7"	M					
	24/7	47	5' 0"	M					

Table No. 9 (continued).

## Sperm-whale foetuses.

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
<i>Natal.</i>		Engl. ft.	Engl. ft.		<i>Japan</i>		Engl. ft.	Engl. ft.	
Average length of foetuses: 4' 9"	$\frac{31}{5}$	35	4' 6"	F	(cont.)	$\frac{30}{8}$	35	12' 6"	M
	$\frac{13}{8}$	36	5' 6"	M		"	35	4' 5"	F
						"	36	2' 6"	M
						$\frac{31}{8}$	36	6' 10"	F
<i>Cape Province.</i>						$\frac{8}{9}$	36	2' 4"	M
Average length of foetuses: 9' 6"	$\frac{2}{8}$	37	4' 3"	M		"	36	11' 10"	F
	$\frac{9}{6}$	38	6' 5"	M		$\frac{13}{9}$	37	4' 0"	M
		39	9' 8"	F		$\frac{15}{9}$	38	3' 1"	F
	$\frac{26}{6}$	38	4' 4"	M		$\frac{18}{9}$	37	13' 1"	F
	$\frac{15}{6}$	39	9' 3"	M		"	37	2' 1"	F
	$\frac{4}{7}$	39	12' 3"	F		$\frac{13}{9}$	37	3' 0"	F
	$\frac{4}{9}$	37	10' 10"	F		"	35	3' 6"	M
	$\frac{23}{9}$	39	17' 0"	M		$\frac{20}{9}$	36	3' 0"	F
	$\frac{25}{10}$	37	11' 4"	F		$\frac{23}{9}$	35	11' 4"	F
						$\frac{1}{10}$	36	1' 5"	M
<i>Madagascar.</i>		35	9' 0"	M		$\frac{3}{10}$	36	2' 7"	F
	$\frac{27}{9}$					$\frac{12}{10}$	35	3' 2"	F
<i>Portugal.</i>		30	12' 6"	F		$\frac{23}{10}$	36	4' 10"	M
	$\frac{16}{7}$					"	36	6' 2"	F
						"	37	1' 5"	M
<i>Japan.</i>		36	9' 7"	F		$\frac{24}{10}$	35	1' 8"	M
Average length of foetuses: 6' 5"	$\frac{15}{3}$	35	7' 7"	F		$\frac{28}{10}$	36	4' 6"	F
	$\frac{16}{3}$	36	10' 0"	F		"	35	3' 0"	M
	$\frac{24}{5}$	37	12' 6"	M		$\frac{31}{10}$	35	6' 2"	M
	$\frac{1}{6}$	36	11' 6"	M		$\frac{1}{11}$	35	1' 5"	M
		37	12' 6"	F		"	36	6' 8"	F
	$\frac{5}{7}$	38	14' 0"	F		$\frac{5}{11}$	36	5' 5"	M
	$\frac{12}{7}$	36	11' 11"	M		$\frac{10}{11}$	36	3' 2"	F
	$\frac{18}{7}$	38	14' 0"	F		$\frac{22}{11}$	36	3' 8"	F
		36	12' 0"	F		$\frac{29}{11}$	36	6' 2"	F
	$\frac{20}{7}$	35	2' 5"	M		"	35	3' 2"	M
		36	13' 0"	F		$\frac{7}{12}$	36	7' 8"	M
	$\frac{7}{8}$	36	1' 9"	M		$\frac{14}{12}$	37	2' 8"	F
		37	2' 0"	F		"	35	10' 4"	M
	$\frac{9}{8}$	35	2' 7"	M		"	36	10' 1"	M
		38	14' 2"	M	<i>Chile.</i>				
	$\frac{12}{8}$	40	13' 5"	M	Average length of foetuses: 4' 8"	$\frac{5}{1}$	35	2' 7"	M
		37	10' 1"	M		$\frac{24}{1}$	36	4' 11"	F
	$\frac{17}{8}$	36	3' 0"	F		"	35	2' 9"	M
	$\frac{19}{8}$	36	2' 0"	F		$\frac{22}{3}$	35	3' 11"	F
	$\frac{20}{8}$	38	2' 8"	F		"	36	3' 7"	F
	$\frac{21}{8}$	36	11' 5"	F		$\frac{23}{3}$	39	5' 3"	M
	$\frac{24}{8}$	36	1' 1"	F		$\frac{3}{6}$	36	3' 2"	F
		35	3' 6"	F		$\frac{2}{8}$	39	6' 3"	M
	$\frac{29}{8}$	36	7' 1"	M					

## Bryde-whale foetuses.

<i>Cape Province.</i>					<i>Cape Province</i>				
Average length of foetuses: 6' 6".	$\frac{1}{5}$	41	9' 0"	M	(cont.)	$\frac{23}{7}$	45	11' 3"	M
	$\frac{2}{5}$	44	1' 10"	M		$\frac{1}{8}$	42	9' 8"	F
	$\frac{6}{5}$	48	3' 0"	M		$\frac{10}{8}$	44	2' 10"	M
		43	12' 6"	M		$\frac{29}{8}$	51	0' 4"	M
	$\frac{18}{7}$	45	10' 7"	M		$\frac{30}{10}$	52	4' 3"	F

