

DET NORSKE HVALRÅDS STATISTISKE PUBLIKASJONER

INTERNATIONAL  
WHALING STATISTICS  
XLIX

EDITED BY  
THE COMMITTEE FOR WHALING STATISTICS



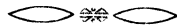
OSLO 1963

*Price: kr. 2.00.*

DET NORSKE HVALRÅDS STATISTISKE PUBLIKASJONER

INTERNATIONAL  
WHALING STATISTICS  
XLIX

EDITED BY  
THE COMMITTEE FOR WHALING STATISTICS



OSLO 1963

**PRINTED BY**  
**GRØNDAHL & SØN, OSLO**

## CONTENTS

Preface .....	Page 5
Introduction .....	,, 7
Supplementary tables to the introduction .....	,, 13
Catch of small whales in the years 1956/57—1960/61.....	,, 33
Table No. 1.—Whaling in 1960/61 and summer 1961 .....	,, 39
Table No. 2.—Norwegian whaling in 1960/61 and summer 1961 .....	,, 40
Table No. 3.—Whaling of United Kingdom in 1960/61 and summer 1961 ....	,, 40
Table No. 4.—Whaling of Japan in 1960/61 and summer 1961 .....	,, 40
Table No. 5.—Whaling of U.S.S.R. in 1960/61 and summer 1961 .....	,, 40
Table No. 6.—Whaling results for the various countries in 1960/61 and summer 1961 .....	,, 41
Table No. 7.—Average size of whales caught in the summer-season 1961 ....	,, 41
Table No. 8.—Whales caught in the summer-season 1961, by species, sex and size and by whaling grounds .....	,, 49
Natal .....	,, 49
Cape Province .....	,, 51
South Atlantic Ocean, pelagic .....	,, 54
Brazil .....	,, 55
Azores, Madeira, Spain .....	,, 56
Norway .....	,, 57
Iceland .....	,, 58
Greenland and Newfoundland .....	,, 59
California .....	,, 61
Oregon .....	,, 62
North Pacific Ocean and Bering Sea, pelagic .....	,, 62
Kamchatka, pelagic .....	,, 64
Kuril Islands .....	,, 65
Japan .....	,, 67
Ryukyu Islands .....	,, 68
Peru and Chile.....	,, 71
Australia .....	,, 73
New Zealand .....	,, 73
Table No. 9.—Average production of oil per „blue-whale equivalent” in the summer-season 1961 .....	,, 74
Table No. 10.—Average production of oil per sperm-whale in the summer-season 1961 .....	,, 75
Table No. 11.—Whale foetuses measured in the summer-season 1961 .....	,, 76

---



## PREFACE

The present publication, International Whaling Statistics No. XLIX, comprises the whaling operations in the Antarctic during the season 1960-61 and on grounds outside the Antarctic in the calendar year 1961.

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

*“Industria Ballenera S.A.”, Spain,*

*“Consorcio Ballenero S.A.”, Peru,*

*“Compania Ballenera del Norte S.A.”, Peru,*

*“Macaya Hnos. y Cia”, Chile.*

With these exceptions the statistics, to the best knowledge of the Committee, include all operations carried on in 1961.

In publication No. XLVII statistics concerning the whaling operations in 1960 from San Miguel and San Jorge, Azores, were lacking. The Committee has now received these data and the figures in this publication have been revised accordingly.

O s l o , November 1962.

*Gunnar Jahn.*

*Birger Bergersen.*

*Einar Vangstein.*



## INTRODUCTION

This publication comprises the world aggregate whaling results for 1961, i.e. the catch in the Antarctic during the season 1960-61 and the catch on grounds outside the Antarctic during the calendar year 1961. Detailed information about the whaling activity in the Antarctic season 1960-61 has been given in International Whaling Statistics No. XLVIII. The present volume gives specifications of the operations on grounds outside the Antarctic in 1961.

In 1961 the following alterations took place in respect to the participation in the operations outside the Antarctic:

“*Bioproducts Inc.*” commenced whaling in 1961 from a shore station near Columbia River in Oregon, U. S. A.

On the other hand the following companies, which were operating in 1960, did not operate in 1961:

“*Aukra Hval A/S*”, Norway and

“*Kaiyo Suisan K. K.*”, Ryukyu Islands.

It should also be mentioned that five of the Antarctic floating factories on their voyages to the Antarctic whaling grounds in 1961 caught 121 sperm-whales in the South Atlantic Ocean.

In 1961 whaling outside the Antarctic was carried on from the following grounds:

*Africa:* Natal, Cape Province.

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

*Pacific North:* California, Oregon, North Pacific Ocean and Bering Sea, Kamtchatka, Kuril Islands, Japan, Ryukyu Islands.

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

These whaling grounds are the same as those operated in the previous season, with the exception of Oregon.

The total catch of whales in the Antarctic and on grounds outside the Antarctic has increased considerably in recent years. Thus, the number of whales killed of 64,600, 64,500, 63,700 and 65,800 in the four last seasons 1957/58-1960/61, are the largest ever recorded. In this survey the



figures concerning the catch in the Antarctic are not analysed, the catch on the other grounds being the object of these statistics.

From table *a*, page 13, it will be seen that whaling on grounds outside the Antarctic during the year 1961 was carried on from 49 shore stations, 3 floating factories and with 150 catchers. This is the same number of floating factories, but two shore stations and 8 catchers less than in 1960. The number of shore stations operated on grounds outside the Antarctic in 1958, 1959 and 1960, viz. 54, 53 and 51, respectively, were the highest ever recorded, and only in one previous season a higher number of catchers than in 1958-1960 has been engaged outside the Antarctic, namely in 1951 with the maximum figure of 208 catchers.

In the survey below is recorded the number of whales killed on grounds outside the Antarctic during the period 1937/38-1960/61. Figures for the Antarctic whaling are also included in order to give the total world whaling results during this period.

Season	Total of whales killed	In Antarctic			On other grounds		
		Total	Baleen whales	Sperm-whales	Total	Baleen whales	Sperm-whales
1937-38.....	54,902	46,039	45,172	867	8,863	5,967	2,896
1938-39.....	45,783	38,356	35,771	2,585	7,427	4,501	2,926
1939-40.....	37,709	32,900	30,962	1,938	4,809	2,076	2,733
1940-41.....	23,638	16,363	15,559	804	7,275	2,438	4,837
1941-42.....	8,014	1,425	1,316	109	6,589	1,741	4,848
1942-43.....	8,372	998	974	24	7,374	1,895	5,479
1943-44.....	6,445	1,799	1,698	101	4,646	2,133	2,513
1944-45.....	5,919	2,891	2,846	45	3,028	1,404	1,624
1945-46.....	19,384	13,387	13,114	273	5,997	2,809	3,188
1946-47.....	34,820	25,593	24,162	1,431	9,227	3,112	6,115
1947-48.....	43,382	31,318	28,696	2,622	12,064	4,836	7,228
1948-49.....	44,002	31,435	27,357	4,078	12,567	7,629	4,938
1949-50.....	45,093	32,396	29,669	2,727	12,697	7,205	5,492
1950-51.....	55,812	33,997	29,029	4,968	21,815	8,502	13,313
1951-52.....	49,816	35,237	29,752	5,485	14,579	8,506	6,073
1952-53.....	44,988	30,653	28,321	2,332	14,335	7,090	7,245
1953-54.....	53,642	34,872	31,993	2,879	18,770	8,106	10,664
1954-55.....	55,062	37,654	31,864	5,790	17,408	7,605	9,803
1955-56.....	58,126	38,580	31,606	6,974	19,546	7,930	11,616
1956-57.....	59,056	36,115	31,686	4,429	22,941	8,214	14,727
1957-58.....	64,586	39,896	33,361	6,535	24,690	9,379	15,311
1958-59.....	64,489	38,890	33,238	5,652	25,599	9,953	15,646
1959-60.....	63,717	38,892	34,665	4,227	24,825	8,708	16,117
1960-61.....	65,811	41,289	36,489	4,800	24,522	8,192	16,330

On the grounds outside the Antarctic the total catch has increased considerably during the postwar seasons. The increase in the later years is, however, principally a result of the large catch of sperm-whales. Since the 1949-season the catch of sperm-whales outside the Antarctic has increased from about 5,000 animals in 1949 to 16,300 in 1961. The number of baleen whales killed has since 1949 varied between 7,100 and 9,900 only.

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

In the *North Atlantic and Arctic* whaling has been carried on continually during the post-war seasons only from Norway and Iceland. From Faroe Islands and Greenland the whaling stopped in 1958. Whaling from Newfoundland and Labrador was of considerable importance during the years 1946–1951. Later the stations were closed, but in 1956 and up till and including 1959 whaling was resumed on a considerably reduced scale.

The whaling operations off the coast of Norway, which are mainly based upon the catch of fin-whales, have been reduced in recent years. (See table *i*, page 24, with post-war figures from and including 1949.) Up till 1955 4 shore stations with 11–12 catchers were active, and the number of baleen whales killed varied in these years between 298 and 421. In 1957–1959 and in 1961 whaling was carried on from 2 shore stations with 6 catchers only. The number of baleen whales killed during these years varied between 129 and 184.

The baleen whale catch off the Faroe Islands has declined since 1951. In later years the catch has varied considerably from one year to another. In 1956 49 baleen whales were killed, in 1957 142, in 1958 17 and since 1958 no whaling has taken place off the Faroe Islands.

The catch of baleen whales off Iceland has declined in each of the four last years, from 436 in 1957 to 385 in 1958, to 251 in 1959, to 202 in 1960 and 200 in 1961. From and including the summer 1955 the taking of blue-whales in the North Atlantic and Arctic was prohibited for a period of 5 years, but Denmark and Iceland protested against this prohibition and were thus free to kill bluewhales. The prohibition was in 1960 extended for a further period of 5 years, and neither Denmark nor Iceland have now protested against it. The prohibition is thus complete for the North Atlantic and Arctic.

From Greenland and Newfoundland whaling in the later years up till 1959 has been carried on with one single catcher, and it is impossible to draw any definite conclusion as to the decline of the catch or to the diminishing of the stock.

Whaling has also been carried on in the south eastern part of the Atlantic from the *Azores*, *Madeira* and *Spain* in later years (see tables *j–l*, page 25). This whaling is chiefly restricted to the catch of sperm-whales. The figures recorded for the baleen whale catch have declined. From *Portugal* whaling stopped in 1951 (see table *m*).

The whaling off the *African* coast (see table *o*, page 27) during the latest seasons has been carried on off Natal and Cape Province only, Natal being the only ground continually operated in all postwar years. The

catch of sperm-whales has been of considerable importance in these years. As to baleen whales, the catch of humpbacks was of major importance to the whaling off the coasts of Madagascar and French Congo. The activities off the coast of Madagascar stopped in 1950. During that year the catch of humpbacks was 711 against 1,333 in 1949. The whaling off the coast of French Congo stopped in 1952, when the number of humpbacks killed had decreased to 265, from 1,105 in 1951. On the Congo ground the catch of sei-whales was of some importance in 1951 and 1952. In 1959 whaling was resumed from this ground—now named “Gabon”—, and the number of humpbacks killed was 160. The baleen whale catch off Natal in later years has been based upon the catch of fin-whales. Next to this species comes the sei-whale. The catch of humpbacks has declined considerably. Whaling off the Cape Province was resumed in 1957, and the results recorded show that the baleen whales killed in later years are sei- and fin-whales. Only a few blue-whales and humpbacks have been killed.

Whaling in the *Pacific North* (see table *p*, page 28) has been carried on in 1961 from California, Oregon and the Ryukyu Islands. The pelagic whaling from Bonin Island stopped in 1952, while the whaling station on the coast of British Columbia has been operating in all postwar years up to and including 1959. Most of the baleen whales killed off British Columbia during the later years have been fin-whales.

The figures for the whaling carried on from the shore stations on the coasts of *Japan* (see table *q*, page 29) show that the catch of sperm-whales has become of great importance. The catch of baleen whales has shown some variations from year to year, but as a whole the figures show that the catch of the more valuable species, blue-whales and fin-whales, has declined while the catch of sei-whales has become very important.

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

Whaling from *Kamtchatka* (see table *s*, page 29) is based on the catch of sperm-whales, the catch of baleen whales being of less importance in later years. In 1961, however, 314 humpbacks were killed. In 1959 and 1960 one floating factory with 9 catchers and in 1961 one floating factory with 15 catchers were in operation.

Whaling off the *Kuril Islands* (see table *t*, page 30) has been carried on during the last 6 seasons from 4 shore stations and with 13–22 catchers.

The majority of the whales killed were sperm-whales, although the baleen whale catch is of some importance, including some few blue-whales.

Whaling off *Brazil* (see table *u*, page 30) has in later years been carried on from 1–2 shore stations with 2–3 catchers only, and the whales killed are almost exclusively sei-whales. In the season 1960, when 5 catchers were employed, the sei-whale catch increased to 750 animals, and in the last season with 4 catchers employed, the number of sei-whales caught increased to 958.

In *Peru* whaling is carried on from 2–3 shore stations (see table *v*, page 30) and the whales killed during the last 5 seasons have been exclusively sperm-whales. In former years there were also killed some baleen whales, the number of which declined rapidly from and including 1955.

In *Chile* (see table *w*, page 31) whaling has been carried on in 1958–1961 from 3 shore stations with 13, 14, 16 and 10 catchers, respectively. Most of the whales killed on the Chilean ground are sperm-whales, but the baleen whale catch has also been of some importance. During the last 5 seasons, however, the fin-whale catch has been strongly reduced, while the number of blue-whales killed was 209 in 1956, 100 in 1957, 166 in 1958, 80 in 1959, 131 in 1960 and 142 in 1961. Compared with the previous seasons back to 1951 there is no tendency to any decrease in this blue-whale catch.

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

Table *z*<sup>2</sup>, page 32, shows the production of by-products in the Antarctic and on the individual grounds outside the Antarctic during the last two seasons.

The chief by-products are whale meat and whale meal, of which the total production in 1960–61 were 163,593 tons and 86,155 tons, respectively. Of these quanta 124,596 tons whale meat and 55,959 tons whale meal were produced in the Antarctic.

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

---



## Annex.

## Supplementary Tables to the Introduction.

Table a.—Whaling matériel in operation in the years 1937/38—1960/61.

Years. <sup>1)</sup>	All whaling grounds.			Antarctic.			Others.		
	Shore stations.	Floating factories.	Catchers.	Shore stations.	Floating factories.	Catchers.	Shore stations.	Floating factories.	Catchers.
1937-38	37	35	357	2	31	256	35	4	101
1938-39	16	37	362	2	34	281	14	3	81
1943-44	9	1	66	1	1	15	8	—	51
1944-45	9	1	66	1	1	15	8	—	51
1945-46	38	11	158	3	9	93	35	2	65
1946-47	39	20	246	3	15	147	36	5	99
1947-48	50	21	307	3	17	183	47	4	124
1948-49	49	22	348	3	18	212	46	4	136
1949-50	50	22	382	3	18	237	47	4	145
1950-51	53	26	468	3	19	260	50	7	208
1951-52	50	24	430	3	20	289	47	4	141
1952-53	53	18	379	3	16	251	50	2	128
1953-54	50	21	368	3	17	227	47	4	141
1954-55	49	22	386	3	19	254	46	3	132
1955-56	53	22	419	3	19	278	50	3	141
1956-57	52	23	395	3	20	246	49	3	149
1957-58	56	23	417	2	20	257	54	3	160
1958-59	56	23	420	3	20	256	53	3	164
1959-60	54	23	399	3	20	241	51	3	158
1960-61	52	24	418	3	21	268	49	3	150

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

Table b.—Whales killed in the years 1937/38—1960/61, by species.

Years. <sup>1)</sup>	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.
1937-38.....	15,035	29,680	5,125	929	3,763	370	54,902
1938-39.....	14,152	22,622	1,393	815	5,511	1,290	45,783
1943-44.....	353	2,204	282	939	2,614	3	6,445
1944-45.....	1,111	2,617	303	218	1,669	1	5,919
1945-46.....	3,675	10,984	495	747	3,461	22	19,384
1946-47.....	9,302	16,495	290	1,131	7,546	56	34,820
1947-48.....	7,157	24,028	515	1,573	9,850	259	43,382
1948-49.....	7,781	21,763	3,395	1,855	9,016	192	44,002
1949-50.....	6,313	22,902	5,063	2,471	8,219	125	45,093
1950-51.....	7,278	22,819	4,352	3,033	18,281	49	55,812
1951-52.....	5,436	25,605	4,023	3,123	11,558	71	49,816
1952-53.....	4,218	25,581	3,328	2,208	9,577	76	44,988
1953-54.....	3,009	31,335	3,155	2,491	13,543	109	53,642
1954-55.....	2,495	32,185	2,713	1,940	15,593	136	55,062
1955-56.....	1,987	31,496	3,880	2,076	18,590	97	58,126
1956-57.....	1,775	31,626	3,196	3,138	19,156	165	59,056
1957-58.....	1,995	31,587	2,923	5,670	21,846	565	64,586
1958-59.....	1,442	30,942	5,055	5,539	21,298	213	64,489
1959-60.....	1,465	30,985	3,576	7,035	20,344	312	63,717
1960-61.....	1,987	31,790	2,840	7,785	21,130	279	65,811

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

Table c.—Whales killed in the various main areas 1937/38—1960/61.

Years.	All areas.		Antarctic.		Africa.		North Atlantic and Arctic. <sup>1)</sup>		Pacific, north. <sup>2)</sup>		Japan.	
	No. of whales killed.	Per cent.	No. of whales killed.	Per cent.	No. of whales killed.	Per cent.	No. of whales killed.	Per cent.	No. of whales killed.	Per cent.	No. of whales killed.	Per cent.
1937-38.....	54,902	100	46,039	83.9	3,044	5.5	750	1.4	483	0.9	1,970	3.6
1938-39.....	45,783	100	38,356	83.8	2,687	5.9	802	1.7	232	0.5	2,280	5.0
1939-40.....	37,709	100	32,900	87.3	1,035	2.7	78	0.2	249	0.7	2,035	5.4
1945-46.....	19,384	100	13,387	69.1	984	5.1	1,145	5.9	113	0.6	1,750	9.0
1946-47.....	34,820	100	25,593	73.5	1,406	4.0	1,063	3.1	402	1.2	1,642	4.7
1947-48.....	43,382	100	31,318	72.2	2,308	5.3	1,644	3.8	492	1.1	1,590	3.7
1948-49.....	44,002	100	31,435	71.4	4,966	11.3	1,575	3.6	509	1.2	1,483	3.4
1949-50.....	45,093	100	32,396	71.9	4,122	9.1	1,698	3.8	620	1.4	1,701	3.8
1950-51.....	55,812	100	33,997	60.9	4,639	8.3	1,751	3.1	817	1.5	1,962	3.5
1951-52.....	49,816	100	35,237	70.7	2,945	5.9	763	1.5	895	1.8	1,993	4.1
1952-53.....	44,988	100	30,653	68.1	1,708	3.8	903	2.0	539	1.2	2,048	4.5
1953-54.....	53,642	100	34,872	65.0	1,088	2.0	788	1.5	630	1.2	2,354	4.5
1954-55.....	55,062	100	37,654	68.4	1,310	2.4	864	1.6	630	1.1	2,387	4.3
1955-56.....	58,126	100	38,580	66.4	1,229	2.1	858	1.5	520	0.9	3,284	5.6
1956-57.....	59,056	100	36,115	61.1	2,536	4.3	979	1.7	895	1.5	3,109	5.3
1957-58.....	64,586	100	39,896	61.8	3,026	4.7	890	1.4	1,325	2.0	3,644	5.6
1958-59.....	64,489	100	38,890	60.3	3,609	5.6	606	0.9	1,402	2.2	3,580	5.5
1959-60.....	63,717	100	38,892	61.0	3,523	5.5	596	0.9	453	0.7	3,029	4.8
1960-61.....	65,811	100	41,289	62.7	3,352	5.1	608	0.9	442	0.7	2,961	4.5
	North Pacific Ocean and Bering Sea (pelagic).		Kamchatka and Kuril Islands.		Chile.		Peru.		Australia and New Zealand.		Others.	
1937-38.....	—	—	265	0.5	338	0.6	602	1.1	994	1.8	417	0.7
1938-39.....	—	—	476	1.0	469	1.0	—	—	81	0.2	400	0.9
1939-40.....	673	1.8 <sup>3)</sup>	—	—	78	0.2	—	—	109	0.3	552	1.4
1945-46.....	—	—	466	2.4	598	3.1	—	—	110	0.5	831	4.3
1946-47.....	—	— <sup>3)</sup>	—	—	851	2.4	2,890	8.3	113	0.3	860	2.5
1947-48.....	—	—	1,280	2.9	1,116	2.6	2,501	5.8	96	0.2	1,037	2.4
1948-49.....	—	—	2,015	4.6	991	2.2	—	—	334	0.7	694	1.6
1949-50.....	—	—	2,357	5.2	1,093	2.4	—	—	467	1.0	639	1.4
1950-51.....	—	—	2,583	4.6	1,094	2.0	6,414	11.5	1,335	2.4	1,220	2.2
1951-52.....	319	0.6	3,111	6.2	1,374	2.8	95	0.2	1,909	3.8	1,170	2.4
1952-53.....	701	1.6	2,879	6.4	1,198	2.7	1,340	3.0	2,110	4.7	909	2.0
1953-54.....	2,217	4.1	2,745	5.1	1,328	2.5	4,175	7.8	2,219	4.1	1,226	2.3
1954-55.....	2,652	4.8	3,031	5.5	1,298	2.4	1,887	3.4	1,966	3.6	1,383	2.5
1955-56.....	3,168	5.4	3,298	5.7	1,633	2.8	2,027	3.5	2,210	3.8	1,319	2.3
1956-57.....	3,341	5.7	3,513	5.9	2,512	4.3	2,381	4.0	2,286	3.9	1,389	2.3
1957-58.....	3,255	5.0	4,375	6.8	2,317	3.6	2,554	4.0	2,278	3.5	1,026	1.6
1958-59.....	3,352	5.2	4,146	6.4	2,233	3.5	3,400	5.3	2,131	3.3	1,140	1.8
1959-60.....	3,466	5.5	4,403	6.9	2,084	3.3	3,451	5.4	2,170	3.4	1,650	2.6
1960-61.....	3,338	5.1	3,964	6.0	2,334	3.5	3,602	5.5	2,018	3.1	1,903	2.9

<sup>1)</sup> Excluding Spain, Portugal, Azores, and Madeira. <sup>2)</sup> Excluding Japan, Korea, North Pacific Ocean and Bering Sea, Kamchatka and Kuril Islands. <sup>3)</sup> No information received.

Table a.—Oil production in the various main areas 1937/38, 1938/39 and 1948/49—1960/61.

Years.	All areas.			Antarctic.			Africa.			North Atlantic and Arctic. <sup>1)</sup>			Pacific North. <sup>2)</sup>			Japan		
	Total oil output.	%	Oil output per catcher.	Total oil output.	%	Oil output per catcher.	Total oil output.	%	Oil output per catcher.	Total oil output.	%	Oil output per catcher.	Total oil output.	%	Oil output per catcher.	Total oil output.	%	Oil output per catcher.
	Barrels. <sup>3)</sup>		Barrels.	Barrels.		Barrels.	Barrels.		Barrels.	Barrels.		Barrels.	Barrels.		Barrels.	Barrels.		Barrels.
1937-38..	3,641,314	100	10,200	3,340,330	91.7	13,048	139,102	3.8	6,323	22,097	0.6	1,004	22,891	0.6	2,081	33,353	0.9	1,334
1938-39..	3,011,813	100	8,320	2,820,771	93.7	10,038	106,793	3.5	5,086	26,066	0.9	1,241	9,424	0.3	1,885	12,784	0.4	556
1948-49..	2,596,131	100	7,460	2,219,621	85.5	10,470	185,003	7.1	4,512	53,840	2.3	1,961	10,202	0.4	1,134	14,179	0.5	567
1949-50..	2,548,230	100	6,671	2,166,489	85.0	9,141	154,134	6.0	3,585	63,612	2.5	1,988	12,345	0.5	1,543	26,112	1.0	1,044
1950-51..	2,955,532	100	6,315	2,303,690	77.9	8,860	154,736	5.2	3,439	61,635	2.1	1,926	19,073	0.6	1,734	29,611	1.0	1,184
1951-52..	2,906,544	100	6,759	2,479,180	85.3	8,578	93,342	3.2	2,667	25,172	0.9	1,398	19,002	0.7	1,900	28,635	1.0	1,145
1952-53..	2,542,110	100	6,707	2,118,097	83.3	8,439	53,831	2.1	2,447	27,261	1.1	1,298	18,255	0.7	3,651	31,362	1.2	1,254
1953-54..	2,862,408	100	7,778	2,285,720	79.9	10,069	43,936	1.5	3,138	25,507	0.9	1,417	17,507	0.6	2,918	33,163	1.2	1,327
1954-55..	2,760,856	100	7,152	2,242,555	81.2	8,829	45,206	1.6	3,477	27,753	1.0	1,542	18,164	0.7	3,027	34,421	1.2	1,377
1955-56..	2,911,616	100	6,949	2,307,171	79.2	8,299	51,105	1.8	3,931	31,174	1.1	1,641	18,488	0.6	1,681	46,233	1.6	1,849
1956-57..	2,929,085	100	7,415	2,246,922	76.7	9,134	83,956	2.9	5,597	33,802	1.2	1,988	28,386	1.0	2,581	44,427	1.5	1,777
1957-58..	3,048,969	100	7,312	2,317,638	76.0	9,018	89,401	2.9	5,538	32,971	1.1	2,061	34,948	1.2	2,330	60,966	2.0	2,439
1958-59..	2,914,647	100	6,940	2,152,659	73.9	8,409	102,370	3.5	5,687	24,153	0.8	2,196	38,536	1.3	2,267	52,648	1.8	2,194
1959-60..	2,883,972	100	7,228	2,148,438	74.6	8,915	102,786	3.6	6,046	26,188	0.9	2,014	12,586	0.4	899	48,403	1.7	1,936
1960-61..	2,925,736	100	6,999	2,232,884	76.3	8,332	88,345	3.0	5,197	23,912	0.8	2,391	11,435	0.4	953	44,665	1.5	1,787
	North Pacific Ocean and Bering Sea (pelagic).			Kamchatka and Kuril Islands.			Chile.			Peru.			Australia and New Zealand.			Others.		
1937-38..	-	-	-	9,102	0.3	3,034	9,345	0.3	-	12,869	0.4	1,609	44,941	1.2	4,993	7,284	0.2	.
1938-39..	-	-	-	18,854	0.6	6,285	7,512	0.2	1,502	-	-	-	2,689	0.1	896	6,920	0.3	.
1948-49..	-	-	-	59,218	2.3	4,230	23,382	0.9	3,340	-	-	-	11,576	0.4	2,315	14,110	0.6	.
1949-50..	-	-	-	62,049	2.4	3,878	30,231	1.2	4,319	-	-	-	19,338	0.8	2,763	13,920	0.6	.
1950-51..	-	-	-	72,712	2.5	4,040	30,993	1.0	3,099	197,524	6.7	3,873	60,572	2.0	6,730	24,986	1.0	.
1951-52..	13,606	0.5	3,402	86,269	3.0	5,075	35,406	1.2	3,541	1,941	0.1	1,941	96,630	3.3	7,433	27,361	0.8	.
1952-53..	29,123	1.1	7,281	84,079	3.3	4,671	30,169	1.2	3,771	22,108	0.9	3,685	106,751	4.2	8,896	21,074	0.9	.
1953-54..	103,218	3.6	10,322	85,658	3.0	4,759	27,885	1.0	2,324	104,168	3.6	5,483	109,335	3.8	9,111	26,311	0.9	.
1954-55..	111,917	4.1	8,609	82,227	3.0	4,568	36,108	1.3	2,778	31,335	1.1	5,223	101,397	3.7	8,450	29,773	1.1	.
1955-56..	146,600	5.0	10,471	94,820	3.3	4,515	41,751	1.4	3,479	32,604	1.1	5,434	110,932	3.8	7,395	30,738	1.1	.
1956-57..	148,824	5.1	9,922	101,697	3.5	4,843	44,688	1.5	3,438	45,745	1.6	5,718	116,709	4.0	7,294	33,929	1.0	.
1957-58..	145,436	4.8	9,696	122,491	4.0	4,224	48,301	1.6	3,715	56,315	1.8	7,039	116,080	3.8	7,255	24,422	0.8	.
1958-59..	160,224	5.5	9,425	128,172	4.4	4,578	44,851	1.5	3,204	74,785	2.6	9,348	110,649	3.8	5,824	25,600	0.9	.
1959-60..	150,529	5.2	10,035	141,122	4.9	6,415	41,443	1.4	2,590	75,426	2.6	9,428	104,550	3.6	5,228	32,501	1.1	.
1960-61..	151,059	5.2	10,071	121,575	4.2	4,676	46,623	1.6	4,662	76,644	2.6	9,581	89,642	3.1	4,482	38,952	1.3	.

<sup>1)</sup> Excluding Spain, Portugal, Azores and Madeira. <sup>2)</sup> Excluding Japan, Korea, North Pacific Ocean and Bering Sea, Kamchatka and Kuril Islands. <sup>3)</sup> Barrel = 170 kg (Barrel = abt.  $\frac{1}{6}$  long ton.)



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

Years.	All countries.	Argentina.	Australia.	Brazil.	Canada.	Chile.	Denmark.	France.	Germany.	Iceland.	Japan.
<i>Absolute figures:</i>											
1937-38..	54,902	1,062	—	—	310	338	208	—	5,839	147	7,552
1938-39..	45,783	1,024	—	—	—	469	178	—	5,066	130	9,820
1939-40..	37,709	705	—	—	220	78	—	—	—	—	9,698
1945-46..	19,384	1,082	—	—	179	598	175	—	—	—	1,863
1946-47..	34,820	857	2	25	157	851	284	—	—	—	3,181
1947-48..	43,382	814	4	36	480	1,116	302	—	—	239	3,157
1948-49..	44,002	919	193	38	448	991	335	—	—	324	3,331
1949-50..	45,093	946	388	128	469	1,093	478	2,193	—	265	4,121
1950-51..	55,812	796	1,224	179	646	1,094	387	4,079	—	339	5,043
1951-52..	49,816	798	1,787	168	467	1,374	44	436	—	265	6,578
1952-53..	44,988	678	2,001	175	540	1,198	190	—	—	332	5,394
1953-54..	53,642	1,083	2,039	202	630	1,328	62	—	—	334	8,789
1954-55..	55,062	947	1,854	213	632	1,298	196	—	—	400	10,997
1955-56..	58,126	812	2,051	217	397	1,633	190	—	—	440	12,914
1956-57..	59,056	1,108	2,100	122	677	2,512	250	—	—	517	14,614
1957-58..	64,586	1,860	2,095	128	840	2,317	94	—	—	508	18,662
1958-59..	64,489	923	1,811	315	889	2,233	—	178	—	371	19,490
1959-60..	63,717	932	1,809	813	2	2,084	1	—	—	379	18,854
1960-61..	65,811	—	1,937	1,083	1	2,334	1	—	—	350	19,891
<i>Percentage figures:</i>											
	%	%	%	%	%	%	%	%	%	%	%
1937-38..	100.0	1.9	—	—	0.6	0.6	0.4	—	10.6	0.3	13.8
1938-39..	100.0	2.2	—	—	—	1.0	0.4	—	11.1	0.3	21.5
1939-40..	100.0	1.9	—	—	0.6	0.2	—	—	—	—	25.7
1945-46..	100.0	5.6	—	—	0.9	3.1	0.9	—	—	—	9.6
1946-47..	100.0	2.5	—	0.1	0.5	2.4	0.8	—	—	—	9.1
1947-48..	100.0	1.9	—	0.1	1.1	2.6	0.7	—	—	0.6	7.3
1948-49..	100.0	2.1	0.4	0.1	1.0	2.2	0.8	—	—	0.7	7.6
1949-50..	100.0	2.1	0.9	0.3	1.0	2.4	1.1	4.9	—	0.6	9.1
1950-51..	100.0	1.4	2.2	0.3	1.2	2.0	0.7	7.3	—	0.6	9.0
1951-52..	100.0	1.6	3.6	0.3	0.9	2.8	0.1	0.9	—	0.5	13.2
1952-53..	100.0	1.5	4.4	0.4	1.2	2.7	0.4	—	—	0.7	12.0
1953-54..	100.0	2.0	3.8	0.4	1.2	2.5	0.1	—	—	0.6	16.4
1954-55..	100.0	1.7	3.4	0.4	1.1	2.4	0.3	—	—	0.7	20.0
1955-56..	100.0	1.4	3.5	0.4	0.7	2.8	0.3	—	—	0.8	22.2
1956-57..	100.0	1.9	3.6	0.2	1.1	4.3	0.4	—	—	0.9	24.8
1957-58..	100.0	2.9	3.2	0.2	1.3	3.6	0.1	—	—	0.8	28.9
1958-59..	100.0	1.4	2.8	0.5	1.4	3.5	—	0.3	—	0.6	30.2
1959-60..	100.0	1.5	2.8	1.3	—	3.3	—	—	—	0.6	29.6
1960-61..	100.0	—	2.9	1.6	—	3.6	—	—	—	0.5	30.2

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

years 1937/38—1939/40, and 1945/46—1960/61. All areas.

## Number of whales killed.

Years.	Netherlands	New Zealand.	Norway.	Panama.	Peru.	Portugal.	Spain.	South Africa.	United Kingdom.	United States of America.	U.S.S.R.
<i>Absolute figures:</i>											
1937-38..	-	77 <sup>1)</sup>	15,355	1,527	-	417	-	5,869	13,286	2,650	265
1938-39..	-	81 <sup>1)</sup>	11,871	907	-	400	-	3,857	10,166	1,338	476
1939-40..	-	109	11,040	1,421	-	552	-	2,925	9,953	1,008	-
1945-46..	-	110	7,687	-	-	831	-	984	5,409	-	466
1946-47..	770	111	12,857	-	-	835	-	3,972	10,494	38	386
1947-48..	1,294	92	16,104	-	-	1,001	47	5,115	11,410	67	2,104
1948-49..	1,366	141	16,570	1,356	-	656	134	4,749	9,280	49	3,122
1949-50..	1,295	79	17,234	-	-	481	146	3,695	8,151	-	3,931
1950-51..	1,660	111	18,024	4,021	61	1,658	236	5,314	6,626	40	4,274
1951-52..	1,650	122	16,102	1,408	95	785	274	4,946	6,938	-	5,579
1952-53..	1,575	109	11,620	2,365	1,340	637	128	4,137	6,964	-	5,605
1953-54..	1,711	180	15,320	2,348	1,827	807	282	3,249	7,620	-	5,831
1954-55..	848	112	14,796	2,512	1,887	839	292	3,006	7,912	-	6,321
1955-56..	1,665	159	14,716	2,854	2,027	705	273	3,413	7,444	145	6,071
1956-57..	1,434	186	15,241	-	2,381	842	301	4,132	6,266	260	6,113
1957-58..	1,867	183	13,527	-	2,554	701	181	3,026	7,080	551	8,412
1958-59..	2,226	320	14,296	-	3,400	572	237	3,431	5,431	533	7,833
1959-60..	2,081	361	11,572	-	3,451	606	197	3,523	5,165	453	11,434
1960-61..	2,212	81	12,829	-	3,602	507	192	3,352 <sup>2)</sup>	5,813	442	11,184
<i>Percentage figures:</i>											
	%	%	%	%	%	%	%	%	%	%	%
1937-38..	-	0.1	28.0	2.8	-	0.7	-	10.7	24.2	4.8	0.5
1938-39..	-	0.2	25.9	2.0	-	0.9	-	8.4	22.2	2.9	1.0
1939-40..	-	0.3	29.3	3.8	-	1.4	-	7.7	26.4	2.7	-
1945-46..	-	0.6	39.7	-	-	4.2	-	5.1	28.0	-	2.3
1946-47..	2.2	0.3	36.9	-	-	2.4	-	11.4	30.2	0.1	1.1
1947-48..	3.0	0.2	37.1	-	-	2.3	0.1	11.8	26.3	0.1	4.8
1948-49..	3.1	0.3	37.7	3.1	-	1.4	0.3	10.8	21.2	0.1	7.1
1949-50..	2.9	0.2	38.2	-	-	1.0	0.3	8.2	18.1	-	8.7
1950-51..	3.0	0.2	32.3	7.2	0.1	2.9	0.4	9.5	11.9	0.1	7.7
1951-52..	3.3	0.3	32.3	2.8	0.2	1.6	0.6	9.9	13.9	-	11.2
1952-53..	3.5	0.2	25.8	5.3	3.0	1.4	0.3	9.2	15.5	-	12.5
1953-54..	3.2	0.3	28.5	4.4	3.4	1.5	0.5	6.1	14.2	-	10.9
1954-55..	1.5	0.2	26.9	4.6	3.4	1.5	0.5	5.5	14.4	-	11.5
1955-56..	2.9	0.3	25.3	4.9	3.5	1.2	0.5	5.9	12.8	0.2	10.4
1956-57..	2.4	0.3	25.8	-	4.0	1.4	0.5	7.0	10.6	0.4	10.4
1957-58..	2.9	0.3	20.9	-	4.0	1.1	0.3	4.7	11.0	0.8	13.0
1958-59..	3.4	0.5	22.1	-	5.3	0.9	0.4	5.3	8.4	0.8	12.1
1959-60..	3.3	0.6	18.2	-	5.4	0.9	0.3	5.5	8.1	0.7	17.9
1960-61..	3.4	0.1	19.5	-	5.5	0.8	0.3	5.1	8.8	0.7	17.0

in 1938/39 1,658 whales. <sup>2)</sup> Including the catch of one company registered at Falkland Islands.

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

Years.	All countries.	Argentina.	Australia.	Brazil.	Canada.	Chile.	Denmark.	France.	Germany.	Iceland.	Japan.
<i>Absolute figures:</i>											
1937-38..	3,641,314	51,766	-	-	13,157	9,345	6,101	-	369,727	4,920	422,036
1938-39..	3,011,813	66,826	-	-	-	7,512	5,197	-	374,149	3,764	496,200
1939-40..	2,668,756	39,432	-	-	8,700	2,234	-	-	-	-	593,499
1945-46..	948,715	45,028	-	-	7,200	17,861	3,981	-	-	-	5,837
1946-47..	2,186,749	47,830	40	835	6,600	25,036	6,286	-	-	-	80,244
1947-48..	2,437,545	44,965	65	1,060	17,385	28,522	10,277	-	-	9,000	120,716
1948-49..	2,596,131	52,518	5,738	1,251	16,347	23,382	10,026	-	-	11,820	134,408
1949-50..	2,548,230	41,348	16,494	2,132	14,951	30,231	13,776	98,660	-	12,292	197,613
1950-51..	2,955,532	40,593	56,090	2,925	22,105	30,993	9,303	145,721	-	14,012	203,489
1951-52..	2,906,544	41,825	91,830	2,171	16,290	35,406	817	16,485	-	9,524	304,499
1952-53..	2,542,110	32,187	102,191	2,837	18,294	30,169	4,834	-	-	10,124	267,820
1953-54..	2,862,408	53,478	100,515	3,636	17,507	27,885	1,419	-	-	10,506	389,058
1954-55..	2,760,856	50,568	96,377	3,530	18,241	36,108	6,164	-	-	13,229	513,253
1955-56..	2,911,616	43,376	104,607	3,596	13,595	41,751	6,402	-	-	17,141	601,686
1956-57..	2,929,085	51,330	108,069	1,300	21,001	44,688	7,380	-	-	18,800	683,212
1957-58..	3,048,969	94,199	107,845	2,524	23,753	48,301	3,475	-	-	20,335	834,251
1958-59..	2,914,647	39,430	94,311	4,736	23,522	44,851	-	8,280	-	15,511	859,002
1959-60..	2,883,972	40,500	89,366	10,800	27	41,443	-	-	-	17,536	816,073
1960-61..	2,925,736	-	85,542	16,275	-	46,623	-	-	-	15,082	863,074
<i>Percentage figures:</i>	%	%	%	%	%	%	%	%	%	%	%
1937-38..	100.0	1.4	-	-	0.4	0.3	0.2	-	10.2	0.1	11.6
1938-39..	100.0	2.2	-	-	-	0.2	0.2	-	12.4	0.1	16.5
1939-40..	100.0	1.5	-	-	0.3	0.1	-	-	-	-	22.2
1945-46..	100.0	4.7	-	-	0.8	1.9	0.4	-	-	-	0.6
1946-47..	100.0	2.2	-	-	0.3	1.1	0.3	-	-	-	3.7
1947-48..	100.0	1.8	-	-	0.7	1.2	0.4	-	-	0.4	5.0
1948-49..	100.0	2.0	0.2	-	0.6	0.9	0.4	-	-	0.5	5.2
1949-50..	100.0	1.6	0.6	0.1	0.6	1.2	0.5	3.9	-	0.5	7.8
1950-51..	100.0	1.4	1.9	0.1	0.7	1.0	0.3	4.9	-	0.5	6.9
1951-52..	100.0	1.4	3.2	0.1	0.6	1.2	-	0.6	-	0.3	10.5
1952-53..	100.0	1.3	4.0	0.1	0.7	1.2	0.2	-	-	0.4	10.5
1953-54..	100.0	1.9	3.5	0.1	0.6	1.0	0.1	-	-	0.4	13.6
1954-55..	100.0	1.8	3.5	0.1	0.7	1.3	0.2	-	-	0.5	18.6
1955-56..	100.0	1.5	3.6	0.1	0.5	1.4	0.2	-	-	0.6	20.7
1956-57..	100.0	1.8	3.7	0.1	0.7	1.5	0.3	-	-	0.6	23.5
1957-58..	100.0	3.1	3.5	0.1	0.8	1.6	0.1	-	-	0.7	27.4
1958-59..	100.0	1.4	3.2	0.2	0.8	1.5	-	0.3	-	0.5	29.5
1959-60..	100.0	1.4	3.1	0.4	-	1.4	-	-	-	0.6	28.3
1960-61..	100.0	-	2.9	0.6	-	1.6	-	-	-	0.5	29.5

<sup>1)</sup> Barrel = 170 kg. (Barrel = abt.  $\frac{1}{4}$  long ton, 1 long ton = 1,016 kg.) <sup>2)</sup> The figures include the production  
<sup>3)</sup> ) Calculated. <sup>4)</sup> Including the production of one company registered at Falkland Islands.

years 1937/38—1939/40 and 1945/46—1960/61. All areas.

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

Years.	Nether- lands.	New Zealand.	Norway.	Panama.	Peru.	Portugal.	Spain.	South Africa.	United Kingdom.	United States of America.	U.S.S.R.
<i>Absolute figures:</i>											
1937-38.	-	2,391	<sup>2)</sup> 1,169,039	117,650	-	7 284	-	332,775	959,692	166,299	9,102
1938-39.	-	2,689	<sup>2)</sup> 853,867	68,853	-	6,920	-	207,738	796,796	102,388	18,854
1939-40.	-	3,909	909,790	113,000	-	10,047	-	159,329	766,209	62,607	-
1945-46.	-	4,184	536,803	-	-	16,016	-	30,552	265,112	-	16,141
1946-47.	77,310	3,825	991,709	-	-	19,537	-	252,556	638,576	1,365	35,000
1947-48.	85,130	3,864	1,064,313	-	-	23,103	956	242,187	685,650	2,350	98,002
1948-49.	109,849	5,838	1,119,514	56,720	-	12,859	2,009	226,419	673,387	1,493	132,553
1949-50.	82,792	2,844	1,122,466	-	-	11,100	2,482	198,978	534,629	-	165,442
1950-51.	103,560	4,482	1,150,728	198,532	2,015	41,346	4,529	250,946	490,199	1,358	182,606
1951-52.	110,300	4,800	1,151,404	97,073	1,941	20,224	5,787	261,998	500,254	-	233,916
1952-53.	103,710	4,560	826,243	164,150	22,108	15,814	2,980	203,749	491,012	-	239,348
1953-54.	97,596	8,820	1,041,389	73,000	31,168	19,283	4,375	190,224	537,774	-	254,775
1954-55.	64,739	5,020	878,359	147,880	31,335	20,158	5,250	145,015	471,315	-	254,315
1955-56.	103,465	6,325	859,246	164,778	32,604	18,843	4,481	160,644	474,760	5,760	248,556
1956-57.	94,193	8,640	1,011,085	-	45,745	21,374	6,247	170,542	381,931	9,145	239,403
1957-58.	116,497	8,235	861,806	-	56,315	17,173	4,310	89,491	400,705	12,775	347,069
1958-59.	126,488	16,338	834,143	-	74,785	15,295	5,260	94,090	293,760	15,759	349,086
1959-60.	143,050	15,184	690,944	-	75,426	15,449	5,263	102,786	288,117	12,586	519,422
1960-61.	139,774	4,100	754,077	-	76,644	13,899	<sup>3)</sup> 5,123	88,345	<sup>4)</sup> 306,199	11,435	499,544
<i>Percent- age figures:</i>	%	%	%	%	%	%	%	%	%	%	%
1937-38.	-	0.1	32.1	3.2	-	0.2	-	9.1	26.3	4.6	0.2
1938-39.	-	0.1	28.4	2.3	-	0.2	-	6.9	26.5	3.4	0.6
1939-40.	-	0.2	34.1	4.2	-	0.4	-	6.0	28.7	2.3	-
1945-46.	-	0.4	56.6	-	-	1.7	-	3.2	28.0	-	1.7
1946-47.	3.5	0.2	45.4	-	-	0.9	-	11.5	29.2	0.1	1.6
1947-48.	3.5	0.2	43.7	-	-	1.0	-	9.9	28.1	0.1	4.0
1948-49.	4.2	0.2	43.1	2.2	-	0.5	0.1	8.7	26.0	0.1	5.1
1949-50.	3.2	0.1	44.1	-	-	0.4	0.1	7.8	21.0	-	6.5
1950-51.	3.5	0.1	38.9	6.7	0.1	1.4	0.2	8.5	16.6	0.1	6.2
1951-52.	3.8	0.2	39.6	3.3	0.1	0.7	0.2	9.0	17.2	-	8.0
1952-53.	4.1	0.2	32.5	6.5	0.9	0.6	0.1	8.0	19.3	-	9.4
1953-54.	3.4	0.3	36.4	2.5	1.1	0.7	0.1	6.6	18.8	-	8.9
1954-55.	2.3	0.2	31.8	5.4	1.1	0.7	0.2	5.3	17.1	-	9.2
1955-56.	3.6	0.2	29.5	5.7	1.1	0.6	0.2	5.5	16.3	0.2	8.5
1956-57.	3.2	0.3	34.5	-	1.6	0.7	0.2	5.8	13.0	0.3	8.2
1957-58.	3.8	0.3	28.3	-	1.8	0.6	0.1	2.9	13.1	0.4	11.4
1958-59.	4.3	0.6	28.6	-	2.6	0.5	0.2	3.2	10.1	0.5	12.0
1959-60.	5.0	0.5	24.0	-	2.6	0.5	0.2	3.6	10.0	0.4	18.0
1960-61.	4.8	0.1	25.8	-	2.6	0.5	0.2	3.0	10.4	0.4	17.1

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

Table g.—Sperm-oil production in the years 1938/39 and 1954/55—1960/61.

Grounds.	1)1938-39	1954-55	1955-56	1956-57	1957-58	1958-59	1959-60	1960-61
	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels
South Georgia.....	6,971	4,154	4,119	3,907	10,723	10,305	4,399	6,409
Antarctic, pelagic.....	144,775	281,722	337,739	214,893	301,059	251,794	191,517	208,039
Africa:—								
Natal.....	16,083	16,447	15,007	22,412	21,701	22,866	27,510	25,131
Cape Province.....	—	—	—	11,159	13,750	14,900	17,890	15,774
Madagascar.....	1,291	—	—	—	—	—	—	—
Gabon <sup>2)</sup> .....	—	—	—	—	—	230	—	—
Spanish Morocco.....	—	—	—	—	—	—	—	—
South Atlantic, pelagic.....	—	<sup>4)</sup> 835	<sup>4)</sup> 3,738	<sup>4)</sup> 2,554	<sup>4)</sup> 415	<sup>4)</sup> 309	<sup>4)</sup> 989	<sup>4)</sup> 3,655
Brazil.....	—	15	51	35	144	86	608	2,235
North Atlantic and Arctic:—								
Azores.....	6,920	15,871	14,244	16,536	13,958	12,148	11,636	10,534
Madeira.....	—	4,287	4,568	4,730	3,215	3,052	3,813	3,154
Spain.....	—	3,075	3,873	5,203	3,533	3,980	3,275	2,632
Norway.....	737	2,070	2,930	1,337	3,968	1,271	4,104	3,291
Faroe Islands.....	558	3,245	4,430	2,636	2,093	—	—	—
Iceland.....	183	1,100	5,676	5,065	7,682	7,617	10,471	8,947
West Greenland.....	—	396	567	1,035	664	—	—	—
Newfoundland.....	840	—	598	760	285	82	19	—
Pacific North:—								
California.....	—	—	232	529	241	457	450	1,774
Oregon.....	—	—	—	—	—	—	—	82
British Columbia.....	—	11,284	4,697	5,957	3,086	7,334	—	—
Alaska.....	2,655	—	—	—	—	—	—	—
Bering Sea.....	—	47,905	73,994	76,442	75,430	84,806	87,441	76,765
Kamtschatka.....	7,904	35,369	37,565	44,720	58,370	68,621	91,202	75,846
Kuril Islands.....	—	36,324	40,374	40,525	49,426	41,562	34,309	27,841
Japan.....	10,961	25,580	36,051	37,614	51,050	40,484	40,923	37,573
Ryukyu Islands.....	—	—	—	—	—	127	249	183
Indian Ocean.....	—	—	—	<sup>4)</sup> 742	—	—	—	—
South Pacific Ocean.....	—	—	—	<sup>4)</sup> 1,712	—	—	—	—
Peru.....	—	30,667	32,441	45,745	56,315	74,781	75,426	76,644
Chile.....	5,928	18,929	25,517	38,169	37,478	38,801	33,166	37,887
Australia and New Zealand..	—	243	2,699	5,334	10,598	5,906	11,337	18,934
<b>Total</b>	<b>205,806</b>	<b>539,518</b>	<b>651,110</b>	<b>589,651</b>	<b>725,184</b>	<b>691,579</b>	<b>650,734</b>	<b>643,330</b>
<i>Of which produced by:</i>								
Norway.....	65,976	139,729	132,469	99,666	121,704	88,354	63,791	74,057
{ In Antarctic	737	2,905	2,930	2,187	4,383	1,480	5,093	5,240
{ Outside "	16,729	56,902	65,795	29,149	40,514	40,535	22,002	14,667
United Kingdom...	840	—	—	—	—	100	—	—
{ In Antarctic	1,711	16,978	28,860	4,019	—	—	—	—
{ Outside "	17,374	16,447	15,007	33,571	35,451	37,766	45,400	40,905
South Africa...	35,797	51,894	69,964	72,870	105,745	95,842	65,877	71,825
{ In Antarctic	10,961	73,485	110,045	116,510	126,480	125,290	128,364	114,338
{ Outside "	—	10,029	10,565	6,571	24,880	20,374	40,397	43,651
Japan.....	7,904	71,693	77,939	85,245	107,796	110,183	125,511	105,393
{ In Antarctic	—	6,404	18,272	4,846	12,656	13,784	2,019	10,248
{ Outside "	—	—	—	1,704	—	—	—	—
U.S.S.R.....	3,078	2,190	14,540	—	—	—	—	—
{ In Antarctic	—	—	3,738	—	—	—	—	—
{ Outside "	4,942	1,750	1,393	1,579	6,233	3,210	1,830	—
Argentina....	—	11,284	5,295	6,717	3,371	7,476	19	—
Canada.....	6,920	20,158	18,812	21,266	17,173	15,200	15,449	13,688
Portugal.....	—	—	—	—	—	—	—	—

(Cont. on next page.)

<sup>1)</sup> 1938-39 = Antarctic season 1938-39 and summer 1939, a.s.o. <sup>2)</sup> In earlier publications French Congo.  
<sup>3)</sup> Calculated. <sup>4)</sup> Produced by floating factories on their voyage to and from the Antarctic. <sup>5)</sup> Including the production of one company registered at Falkland Islands.

Table g (cont.)

Grounds	<sup>1)</sup> 1938-39	1954-55	1955-56	1956-57	1957-58	1958-59	1959-60	1960-61
Australia .. Outside Antarctic	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels
Spain .....	—	243	2,624	5,334	10,598	5,906	11,337	18,934
Antarctic	—	3,075	3,873	5,203	3,533	3,930	3,275 <sup>8)</sup>	2,632
Denmark .....	558	3,641	4,997	3,671	2,757	—	—	—
Iceland .....	183	1,100	5,676	5,065	7,682	7,617	10,471	8,947
Peru .....	—	30,667	32,441	45,745	56,315	74,781	75,426	76,644
Chile .....	5,928	18,929	25,517	38,169	37,478	38,801	33,166	37,887
Other countries {	In Antarctic	<sup>2)</sup> 23,513	—	—	—	—	—	—
Outside "	<sup>3)</sup> 2,655	15 <sup>3)</sup>	358 <sup>4)</sup>	564 <sup>5)</sup>	385 <sup>6)</sup>	900 <sup>7)</sup>	1,307 <sup>9)</sup>	4,274

<sup>1)</sup> 1938-39 = Antarctic season 1938-39 and summer 1939 a.s.o. <sup>2)</sup> Of which 23,281 barrels produced by Germany and 232 barrels by U.S.A. <sup>3)</sup> Of which 51 barrels by Brazil, 232 by U.S.A., and 75 barrels by New Zealand. <sup>4)</sup> Of which 529 barrels by U.S.A., and 35 barrels by Brazil. <sup>5)</sup> U.S.A. 241 barrels and Brazil 144 barrels. <sup>6)</sup> U.S.A. 584 barrels, France 230 barrels and Brazil 86 barrels. <sup>7)</sup> U.S.A. 699 barrels and Brazil 608 barrels. <sup>8)</sup> Calculated. <sup>9)</sup> U.S.A. 2,039 barrels, Brazil 2,235 barrels.

Table h.—Average size of whales killed in the different grounds in the years 1938 and 1955 to 1961.

Species of whales and whaling grounds.	1961	1960	1959	1958	1957	1956	1955	1938
<b>Blue-whales.</b>	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
Antarctic:—								
South Georgia .....	72.75	73.00	64.00	74.50	71.71	81.33	73.00	70.89
Pelagic whaling .....	74.01	75.86	78.28	77.14	77.01	77.29	77.76	78.42
Africa:—								
Natal .....	67.83	69.83	71.67	70.33	68.40	72.40	66.83	67.00
Cape Province .....	65.00	61.00	—	68.25	73.50	—	—	—
Spanish Morocco .....	—	—	—	—	—	—	—	—
North Atlantic and Arctic:								
Norway .....	—	—	—	—	—	—	71.00	—
Faroe Islands .....	—	—	—	—	—	—	68.00	68.00
Iceland .....	—	—	73.83	67.40	71.00	69.13	69.30	—
West Greenland .....	—	—	—	—	78.00	73.00	92.00	—
Pacific North:—								
California .....	65.50	67.00	70.20	72.15	—	—	—	—
British Columbia .....	—	—	71.54	72.13	75.00	74.64	72.36	—
Bering Sea .....	78.90	76.76	78.19	76.60	77.19	77.64	74.25	—
Kamtchatka .....	77.50	—	76.95	—	72.78	74.57	75.94	—
Kuril Islands .....	76.00	73.29	74.00	75.64	73.58	75.69	75.37	—
Japan .....	74.00	65.00	73.80	68.71	71.00	71.29	71.10	—
Chile .....	70.43	71.82	75.02	73.68	72.68	72.90	73.31	—
Australia .....	—	68.50	68.67	71.00	—	—	—	—
<b>Fin-whales.</b>								
Antarctic:—								
South Georgia .....	63.96	66.35	65.89	66.06	63.81	65.00	64.75	64.52
Pelagic whaling .....	66.79	66.61	66.30	66.24	66.89	66.54	66.53	67.86
Africa:—								
Natal .....	60.58	60.92	60.55	60.80	61.37	61.21	61.27	60.14
Cape Province .....	60.73	62.38	59.59	61.05	60.53	—	—	—
Spanish Morocco .....	—	—	—	—	—	—	—	—
Brazil, Paraiba .....	65.50	64.43	—	69.00	—	72.00	—	—
North Atlantic and Arctic:								
Madeira .....	—	—	—	—	58.00	—	—	—

Table h (cont.).

Species of whales and whaling grounds.	1961	1960	1959	1958	1957	1956	1955	1958
	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
Norway . . . . .	59.27	59.88	60.48	59.31	58.93	59.23	57.89	} 62.08
Faroe Islands . . . . .	—	—	—	59.19	59.57	59.79	58.95	
Iceland . . . . .	59.41	61.01	60.51	59.54	59.13	58.94	59.43	
West Greenland . . . . .	—	—	—	62.13	61.24	62.71	60.86	
Newfoundland . . . . .	—	53.00	56.79	58.07	60.57	60.29	57.50	
Pacific North:—								
California . . . . .	60.31	60.94	61.07	61.28	61.59	58.33	—	—
British Columbia . . . . .	—	—	58.15	59.20	59.11	57.42	57.76	—
Bering Sea . . . . .	63.25	60.52	61.98	61.29	61.44	61.20	61.46	—
Kamtchatka . . . . .	58.94	61.91	61.42	61.64	61.60	61.68	61.12	—
Kuril Islands . . . . .	60.56	60.46	60.93	61.64	61.73	62.78	61.37	—
Japan . . . . .	56.65	56.78	56.15	56.15	56.22	56.97	57.22	—
Peru . . . . .	—	—	—	—	—	51.00	—	—
Chile . . . . .	55.00	59.12	57.86	56.51	54.55	54.46	54.38	—
Australia . . . . .	—	—	50.00	—	—	67.00	—	—
<u>Humpbacks.</u>								
Antarctic:—								
South Georgia . . . . .	—	—	—	—	—	—	40.00	41.53
Pelagic whaling . . . . .	41.38	40.93	39.95	41.52	41.43	39.99	41.05	41.07
Africa:—								
Natal . . . . .	38.42	37.36	39.05	38.38	38.41	38.03	39.29	36.41
Cape Province . . . . .	39.00	45.75	39.57	44.50	39.00	—	—	—
Gabon <sup>1)</sup> . . . . .	—	—	39.88	—	—	—	—	—
Brazil . . . . .	43.69	39.23	41.75	43.20	—	41.50	41.67	—
North Atlantic and Arctic:								
Madeira . . . . .	—	—	—	—	38.00	—	—	—
Norway . . . . .	—	—	—	—	—	—	42.00	—
Faroe Islands . . . . .	—	—	—	—	40.00	46.33	—	—
Iceland . . . . .	—	—	—	—	—	—	—	—
Newfoundland . . . . .	—	—	—	41.00	—	—	—	—
Greenland . . . . .	30.00	43.00	—	—	—	—	—	—
Pacific North:—								
California . . . . .	40.15	41.33	39.99	41.27	40.74	40.89	—	—
Oregon . . . . .	49.50	—	—	—	—	—	—	—
British Columbia . . . . .	—	—	40.04	40.83	40.73	40.11	39.08	—
Bering Sea . . . . .	44.78	—	—	41.54	—	40.27	39.88	—
Kamtchatka . . . . .	41.32	41.37	40.86	40.30	40.98	39.23	40.49	—
Kuril Islands . . . . .	38.79	45.67	38.00	39.25	39.00	39.10	44.87	—
Japan . . . . .	41.00	36.00	41.75	44.25	38.60	41.57	39.22	—
Ryukyu Islands . . . . .	40.12	39.50	40.24	38.85	40.22	—	—	—
Peru . . . . .	—	—	—	—	—	38.00	—	—
Chile . . . . .	—	—	—	—	41.00	—	45.00	—
Australia . . . . .	38.85	40.37	40.45	40.95	40.84	41.21	40.90	—
New Zealand . . . . .	40.46	40.09	40.36	40.62	40.37	40.59	40.54	—
<u>Sei-whales.</u>								
Antarctic:—								
South Georgia . . . . .	49.27	49.53	49.75	50.05	49.50	49.95	50.00	49.94
Pelagic whaling . . . . .	50.20	50.45	50.83	50.33	50.38	50.42	46.48	51.00
Africa:—								
Natal . . . . .	44.36	44.03	44.13	44.05	43.20	41.91	43.78	—
Cape Province . . . . .	48.87	47.11	45.72	45.12	45.81	—	—	—
Gabon <sup>1)</sup> . . . . .	—	—	44.75	—	—	—	—	—
Spanish Morocco . . . . .	—	—	—	—	—	—	—	—
South Atlantic, pelagic:—	—	—	—	—	—	45.00	—	—

<sup>1)</sup> In earlier publications French Congo.

Table h (cont.).

Species of whales and whaling grounds.	1961	1960	1959	1958	1957	1956	1955	1938
	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
Brazil.....	49.05	49.61	50.29	50.53	50.93	49.94	50.28	-
North Atlantic and Arctic:								
Norway.....	38.83	39.50	46.25	42.83	35.00	44.94	44.30	-
Faroe Islands.....	-	-	-	41.00	-	44.33	42.36	-
Iceland.....	44.36	44.14	44.01	43.33	42.68	44.13	42.99	-
West Greenland.....	-	-	-	-	50.00	45.00	51.67	-
Newfoundland.....	44.00	-	43.00	-	49.80	48.50	-	-
Pacific North:—								
California.....	44.92	43.94	45.74	46.50	51.00	-	-	-
British Columbia.....	-	-	43.94	44.49	44.47	44.16	44.23	-
Bering Sea.....	49.50	46.90	49.00	47.08	46.61	46.36	47.89	-
Kamtschatka.....	47.80	47.56	47.04	47.79	50.23	49.69	47.10	-
Kuril Islands.....	46.13	46.34	47.05	46.52	45.63	46.55	47.22	-
Japan.....	41.77	41.10	42.48	42.41	42.40	41.54	42.69	-
Chile.....	48.67	44.00	38.67	45.93	44.26	42.71	42.17	-
New Zealand.....	49.00	-	45.00	-	43.50	44.00	-	-
<b>Sperm-whales.</b>								
Antarctic:—								
South Georgia.....	46.87	47.58	46.47	47.12	45.69	46.83	48.72	50.53
Pelagic whaling.....	46.76	47.26	47.20	47.52	48.67	48.39	48.91	53.27
Africa:—								
Natal.....	37.88	38.96	38.57	39.66	40.03	40.72	39.54	42.12
Cape Province.....	37.98	39.05	37.64	36.89	39.41	-	-	-
Gabon <sup>1)</sup> .....	-	-	35.14	-	-	-	-	-
Spanish Morocco.....	-	-	-	-	-	-	-	-
South Atlantic, pelagic...	40.25	40.00	38.31	43.50	41.68	40.99	38.38	-
Brazil.....	42.54	38.28	40.00	44.75	35.50	41.00	40.00	-
North Atlantic and Arctic:								
Azores.....	39.55	-	37.16	37.83	37.39	38.99	-	-
Madeira.....	39.51	-	44.30	34.53	39.23	39.57	-	-
Norway.....	47.82	50.37	48.61	48.36	48.03	48.47	46.73	-
Faroe Islands.....	-	-	-	49.80	46.40	47.12	46.83	-
Iceland.....	50.36	51.15	50.85	51.70	51.78	50.85	48.65	53.15
West Greenland.....	-	-	-	50.69	51.50	55.21	52.56	-
Newfoundland.....	-	51.00	54.00	47.29	55.71	51.62	-	-
Pacific North:—								
California.....	39.34	43.38	42.59	45.75	44.43	43.22	-	-
Oregon.....	48.67	-	-	-	-	-	-	-
British Columbia.....	-	-	40.31	39.71	40.89	41.56	42.48	-
Bering Sea.....	45.25	46.06	45.72	46.05	44.79	45.55	42.99	-
Kamtschatka.....	43.92	44.58	45.64	44.75	44.46	43.65	45.59	-
Kuril Islands.....	37.97	38.27	38.65	38.13	39.02	39.71	38.35	-
Japan.....	37.15	37.01	36.49	36.47	36.31	36.70	36.92	-
Ryukyu Islands.....	39.44	39.93	39.29	-	-	-	-	-
South Pacific Ocean, pel...	-	-	-	-	43.67	-	-	-
Indian Ocean, pel.....	-	-	-	-	43.77	-	-	-
Peru.....	40.58	38.01	-	-	-	39.80	-	-
Chile.....	34.59	36.92	37.04	38.24	37.95	37.96	39.71	-
Australia.....	43.54	42.94	44.08	42.61	42.86	44.85	47.00	-
New Zealand.....	-	-	-	-	-	48.50	-	-

1) In earlier publications French Congo.



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

Grounds.	Years.	Species of whales caught.							Oil production.	Expeditions.			
		Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales		Shore stations.	Floating factories.	Catchers.	
<i>North Atlantic and Arctic. Total</i>	1949	79	1,259	17	62	157	<sup>2)</sup> 1	1,575	58,840	Barr. <sup>1)</sup>	9	-	30
	1950	54	1,422	29	21	170	<sup>2)</sup> 2	1,698	63,612		11	-	32
	1951	52	1,300	40	181	178	-	1,751	61,635		11	-	32
	1952	15	635	3	51	59	-	763	25,172		7	-	18
	1953	15	585	8	145	148	<sup>3)</sup> 2	903	27,261		8	-	21
	1954	11	486	7	116	168	-	788	25,507		7	-	18
	1955	13	550	1	158	142	-	864	27,753		6	-	18
	1956	9	475	3	94	277	-	858	31,174		7	-	19
	1957	11	672	1	85	210	-	979	33,802		6	-	17
	1958	5	491	4	98	288	4	890	32,971		6	-	16
	1959	6	372	-	76	152	-	606	24,153		4	-	11
	1960	-	289	1	44	262	-	596	26,188		4	-	13
1961	-	304	1	65	238	-	608	23,912		3	-	10	
<i>Norway.</i>	1949	4	342	1	6	20	<sup>2)</sup> 1	374	11,487		4	-	12
	1950	3	342	8	3	79	-	435	15,979		4	-	13
	1951	4	321	5	11	76	-	417	14,779		4	-	12
	1952	1	374	2	24	51	-	452	14,761		4	-	11
	1953	7	275	4	48	44	<sup>3)</sup> 2	380	12,264		4	-	11
	1954	2	270	6	20	94	-	392	13,582		4	-	11
	1955	1	210	1	10	44	-	266	8,283		3	-	8
	1956	-	132	-	16	58	-	206	6,764		3	-	8
	1957	-	139	-	1	30	-	170	5,862		2	-	6
	1958	-	123	-	6	92	<sup>3)</sup> 1	222	7,581		2	-	6
	1959	-	180	-	4	31	-	215	7,897		2	-	6
	1960	-	128	-	2	84	-	214	8,625		3	-	9
1961	-	162	-	6	88	-	256	8,830		2	-	6	
<i>Scotland.</i>	1950	2	33	-	-	-	-	35	1,057		1	-	1
	1951	4	13	-	3	1	-	21	791		1	-	1
<i>Faroe Islands.</i>	1949	10	222	1	21	53	-	307	9,541		2	-	7
	1950	6	377	1	2	46	-	432	13,232		2	-	6
	1951	9	156	-	126	70	-	361	8,953		2	-	6
	1952	-	20	-	2	1	-	23	522		1	-	2
	1953	2	87	1	27	52	-	169	4,557		2	-	5
	1954	-	17	-	3	11	-	31	942		1	-	2
	1955	1	80	-	11	69	-	161	5,395		1	-	5
	1956	-	43	3	3	97	-	146	5,460		1	-	5
	1957	-	141	1	-	57	-	199	6,016		1	-	5
	1958	-	16	-	1	40	-	57	2,424		1	-	4
<i>Iceland.</i>	1949	33	249	2	12	28	-	324	11,820		1	-	4
	1950	28	226	-	-	11	-	265	12,292		1	-	4
	1951	11	312	1	2	13	-	339	14,012		1	-	4
	1952	14	224	-	25	2	-	265	9,524		1	-	4
	1953	5	207	2	70	48	-	332	10,124		1	-	4
	1954	9	177	1	93	54	-	334	10,506		1	-	4
	1955	10	236	-	134	20	-	400	13,229		1	-	4
	1956	8	265	-	72	95	-	440	17,141		1	-	4
	1957	10	348	-	78	81	-	517	18,800		1	-	4
	1958	5	289	-	91	123	-	508	20,335		1	-	4
1959	6	178	-	67	120	-	371	15,511		1	-	4	

(Cont. on next page.)

<sup>1)</sup> Barrel = 170 kg. (Barrel = abt.  $\frac{1}{8}$  long ton). <sup>2)</sup> Bottlenoses. <sup>3)</sup> Minke-whales.

Table i (cont.).

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>Iceland (cont.)</i>	1960	-	160	-	42	177	-	379	17,536	1	-	4	
	1961	-	142	-	58	150	-	350	15,082	1	-	4	
<i>West Greenland.</i>	1949	2	21	2	-	3	-	28	485	-	-	1	
	1950	-	35	4	-	5	<sup>1)</sup> 2	46	544	1	-	1	
	1951	-	15	5	-	6	-	26	<sup>2)</sup> 350	1	-	1	
	1952	-	16	-	-	5	-	21	<sup>2)</sup> 295	1	-	1	
	1953	1	15	1	-	4	-	21	277	1	-	1	
	1954	-	22	-	-	9	-	31	477	1	-	1	
	1955	1	22	-	3	9	-	35	769	1	-	1	
	1956	1	28	-	1	14	-	44	942	1	-	1	
	1957	1	21	-	1	28	-	51	1,364	1	-	1	
	1958	-	8	-	-	26	<sup>1)</sup> 3	37	1,051	1	-	1	
	1960	-	-	1	-	-	-	1	-	-	-	-	
	1961	-	-	1	-	-	-	1	-	-	-	-	
<i>Newfoundland and Labrador.<sup>3)</sup></i>	1949	30	425	11	23	53	-	542	25,507	2	-	6	
	1950	15	409	16	16	29	-	485	20,508	2	-	7	
	1951	24	483	29	39	12	-	587	22,750	2	-	8	
	1952	-	1	1	-	-	-	2	<sup>2)</sup> 70	-	-	-	
	1953	-	1	-	-	-	-	1	<sup>2)</sup> 39	-	-	-	
	1954	-	-	-	-	-	-	-	-	-	-	-	
	1955	-	2	-	-	-	-	2	<sup>2)</sup> 77	-	-	-	
	1956	-	7	-	2	13	-	22	867	1	-	1	
	1957	-	23	-	5	14	-	42	1,760	1	-	1	
	1958	-	55	4	-	7	-	66	1,580	1	-	1	
	1959	-	14	-	5	1	-	20	745	1	-	1	
1960	-	1	-	-	1	-	2	27	-	-	-		
1961	-	-	-	1	-	-	1	-	-	-	-		

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

Table j.—Azores.

Years	Species of whales caught.							Oil production.	Expeditions <sup>1)</sup>		
	Blue.	Fin.	Hump-back	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
1947	-	-	-	-	565	-	565	12,974	-	-	-
1948	-	-	-	-	698	-	698	15,488	-	-	-
1949	-	-	-	-	484	-	484	9,991	-	-	-
1950	-	-	-	-	423	-	423	9,949	-	-	-
1951	-	-	-	-	741	-	741	16,199	-	-	-
1952	-	-	-	-	623	-	623	16,116	-	-	-
1953	-	-	-	-	528	-	528	12,661	-	-	-
1954	-	-	-	-	683	-	683	16,761	-	-	-
1955	-	-	-	-	664	-	664	15,871	-	-	-
1956	-	-	-	-	536	-	536	14,244	-	-	-
1957	-	-	-	-	671	-	671	16,536	-	-	-
1958	-	-	-	-	527	-	527	13,953	-	-	-
1959	-	-	-	-	485	-	485	12,148	-	-	-
1960	-	-	-	-	438	-	438	11,636	-	-	-
1961	-	-	-	-	374	-	374	10,534	-	-	-

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

**Table k.—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.
1951	—	—	—	—	182	—	182	3,594	—	—	—
1952	—	6	—	—	156	—	162	4,108	—	—	—
1953	—	2	—	—	107	—	109	3,153	—	—	—
1954	—	2	—	—	122	—	124	2,522	—	—	—
1955	—	—	—	—	175	—	175	4,287	—	—	—
1956	—	1	—	—	168	—	169	4,599	—	—	—
1957	—	2	1	—	168	—	171	4,838	—	—	—
1958	—	—	—	—	174	—	174	3,215	—	—	—
1959	—	—	—	—	86	<sup>2)</sup> 1	87	3,147	—	—	—
1960	—	—	—	—	168	—	168	3,813	—	—	—
1961	—	—	4	—	129	—	133	3,365	—	—	—

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

**Table l.—Spain.**

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1951	—	27	—	34	35	—	96	1,763	1	—	2
1952	—	74	—	—	94	<sup>1)</sup> 49	217	4,966	2	—	6
1953	—	18	—	12	38	<sup>1)</sup> 29	97	2,423	2	—	5
1954	—	30	—	—	105	<sup>1)</sup> 82	217	3,392	2	—	5
1955	—	36	—	—	158	<sup>1)</sup> 98	292	5,250	2	—	6
1956	—	5	—	6	234	<sup>1)</sup> 28	273	4,481	3	—	5
1957	—	—	—	—	241	<sup>1)</sup> 60	301	6,247	3	—	5
1958	—	4	—	3	149	<sup>1)</sup> 25	181	4,310	3	—	5
1959	—	—	—	—	182	<sup>1)</sup> 55	237	5,260	3	—	5
1960	—	—	—	—	122	<sup>1)</sup> 75	197	5,263	2	—	3
1961	—	—	—	—	98	<sup>1)</sup> 94	192	<sup>2)</sup> 5,123	2	—	3

<sup>1)</sup> Baleen whales. No specification. <sup>2)</sup> Calculated.

**Table m.—Portugal.**

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1944	—	38	—	—	20	—	58	<sup>1)</sup> 1,470	1	—	—
1945	—	36	—	—	11	—	47	1,123	1	—	—
1946	—	42	—	—	31	—	73	1,534	1	—	—
1947	—	111	—	—	50	—	161	3,978	1	—	3
1948	—	106	—	—	35	—	141	3,519	1	—	3
1949	—	14	—	—	23	—	37	879	1	—	3
1950	—	34	—	—	10	—	44	764	1	—	3
1951	1	9	—	—	11	<sup>2)</sup> 1	22	505	1	—	3

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

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

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

1955	—	—	—	—	39	—	39	835	—	<sup>1)</sup> (2)	<sup>1)</sup> —
1956	—	—	—	3	121	—	124	3,818	—	<sup>1)</sup> (1)	<sup>1)</sup> —
1957	—	—	—	—	53	—	53	2,554	—	<sup>1)</sup> (2)	<sup>1)</sup> —
1958	—	—	—	—	16	—	16	415	—	<sup>1)</sup> (1)	<sup>1)</sup> —
1959	—	—	—	—	16	—	16	309	—	<sup>1)</sup> (3)	<sup>1)</sup> —
1960	—	—	—	—	34	—	34	989	—	<sup>1)</sup> (1)	<sup>1)</sup> —
1961	—	—	—	—	121	—	121	3,655	—	<sup>1)</sup> (5)	<sup>1)</sup> —

<sup>1)</sup> The matériel is included in the Antarctic statistics.

Table o.—Africa.

Grounds.	Years.	Species of whales caught.							Oil production.	Expeditions.				
		Blue	Fin.	Hump-back.	Seal.	Sperm.	Others.	Total of whales.		Barrels.	Shore stations.	Floating factories.	Catchers.	
<i>Africa. Total.</i>	1949	23	707	2,894	238	965	1) 139	4,966	185,003	5	2	41		
	1950	14	604	2,273	438	693	1) 100	4,122	154,134	5	2	43		
	1951	24	1,047	1,217	1,006	1,319	26	4,639	154,736	6	1	45		
	1952	19	766	391	1,043	726	-	2,945	93,342	4	1	35		
	1953	9	576	98	400	618	1) 7	1,708	53,831	4	-	22		
	1954	15	527	27	78	441	-	1,088	43,936	2	-	14		
	1955	6	477	49	176	602	-	1,310	45,206	1	-	13		
	1956	5	613	36	101	474	-	1,229	51,105	1	-	13		
	1957	9	901	37	323	1,232	1) 34	2,536	83,956	2	-	15		
	1958	7	943	41	577	1,432	1) 26	3,026	89,401	2	-	16		
	1959	3	964	205	903	1,439	1) 40	3,609	102,370	3	-	18		
	1960	7	993	40	681	1,793	1) 9	3,523	102,786	2	-	17		
1961	9	823	40	703	1,769	1) 8	3,352	88,345	2	-	17			
<i>Natal.</i>	1949	17	464	190	101	694	-	1,466	51,983	2	-	17		
	1950	9	323	151	101	391	-	975	38,680	2	-	18		
	1951	20	789	103	247	910	2) 2	2,071	74,446	2	-	20		
	1952	8	451	111	155	356	-	1,081	45,161	2	-	14		
	1953	5	441	89	96	353	-	984	39,313	2	-	14		
	1954	10	515	27	71	400	-	1,023	42,953	1	-	12		
	1955	6	477	49	176	602	-	1,310	45,206	1	-	13		
	1956	5	613	36	101	474	-	1,229	51,105	1	-	13		
	1957	5	758	34	60	763	-	1,620	63,883	1	-	11		
	1958	3	674	39	172	738	-	1,626	59,801	1	-	11		
	1959	3	607	38	379	824	-	1,851	60,440	1	-	11		
	1960	6	738	36	183	1,024	-	1,987	68,736	1	-	11		
1961	6	622	36	475	1,004	-	2,143	60,924	1	-	11			
<i>Cape Province.</i>	1949	5	188	15	119	209	1) 139	675	13,708	1	-	6		
	1950	14	242	7	324	161	1) 100	838	15,000	1	-	7		
	1951	4	218	9	237	211	1) 23	702	14,589	1	-	7		
	1952	1	303	15	711	331	-	1,371	30,875	1	-	12		
	1953	4	126	9	295	252	1) 7	693	13,981	1	-	6		
	1957	4	143	3	263	469	1) 34	916	20,073	1	-	4		
	1958	4	269	2	405	694	1) 26	1,400	29,600	1	-	5		
	1959	-	357	7	525	651	1) 40	1,580	33,650	1	-	5		
	1960	1	255	4	498	769	1) 9	1,536	34,050	1	-	6		
	1961	3	201	4	228	765	1) 8	1,209	27,421	1	-	6		
<i>Madagascar.</i>	1949	1	-	1,333	-	1	-	1,335	60,583	-	1	8		
	1950	1	10	711	3	3) 64	-	789	34,424	-	1	9		
<i>Gabon</i> <sup>4)</sup>	1949	-	-	1,356	-	-	-	1,356	56,720	1	1	8		
	1950	-	-	1,404	-	-	-	1,404	64,236	1	1	7		
	1951	-	4	1,105	470	146	2) 1	1,726	62,935	2	1	14		
	1952	-	-	265	171	-	-	436	16,485	-	1	7		
	1959	-	-	160	4	14	-	178	8,280	1	-	2		
<i>Spanish Morocco.</i>	1949	-	55	-	18	61	-	134	2,009	1	-	2		
	1950	-	29	-	10	77	-	116	1,794	1	-	2		
	1951	-	36	-	52	52	-	140	2,766	1	-	4		
	1952	-	12	-	6	39	-	57	821	1	-	2		
	1953	-	9	-	9	13	-	31	537	1	-	2		
	1954	5	12	-	7	41	-	65	983	1	-	2		

<sup>1)</sup> Bryde-whales. <sup>2)</sup> Right-whales. <sup>3)</sup> 52 sperm-whales caught in the Indian Ocean. <sup>4)</sup> In earlier publications French Congo. In 1951 St. Thomé included.

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

Grounds.	Years.	Species of whales caught.							Oil production.	Expeditions.			
		Blue.	Fin.	Hump-back.	Sel.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.	
<i>Pacific North. Total.</i>	1947	4	17	14	161	206	—	402	2,137	1	3	6	
	1948	1	59	134	107	191	—	492	8,815	2	2	11	
	1949	2	115	91	119	182	—	509	10,202	2	1	9	
	1950	4	150	95	267	103	2)	1 620	12,345	1	1	8	
	1951	9	225	55	285	239	4	817	19,073	2	1	11	
	1952	16	240	62	433	144	—	895	19,002	1	1	10	
	1953	8	181	47	14	275	4)	14 539	18,255	1	—	5	
	1954	11	150	106	134	226	2)	3 630	17,507	1	—	6	
	1955	11	120	37	139	320	2)	3 630	18,164	1	—	6	
	1956	14	171	161	37	136	2)	1 520	18,488	2	—	8	
	1957	15	306	271	94	204	5	895	28,386	3	—	11	
	1958	34	682	445	41	120	3	1,325	34,948	6	—	15	
	1959	33	475	384	224	284	2)	2 1,402	38,536	6	—	17	
1960	1	138	234	48	30	2)	2 453	12,586	5	—	14		
1961	2	118	154	51	113	2)	4 442	11,435	5	—	12		
<i>California.</i>	1947	—	17	13	3	5	—	38	1,365	1	—	2	
	1948	—	19	16	—	32	—	67	2,350	1	—	2	
	1949	—	10	11	—	28	—	49	1,493	1	—	2	
	1950	—	—	—	—	—	—	—	—	—	—	—	
	1951	—	9	4	—	26	2)	1 40	1,358	1	—	2	
	—	—	—	—	—	—	—	—	—	—	—	—	
	1956	—	3	133	—	9	—	145	5,760	1	—	2	
	1957	—	22	199	1	14	2)	1 237	8,741	1	—	3	
	1958	26	109	115	2	8	2)	1 261	8,518	2	—	4	
	1959	5	106	140	39	17	2)	2 309	10,430	2	—	5	
	1960	1	138	67	47	16	2)	2 271	8,743	2	—	5	
1961	2	118	62	51	101	2)	4 338	9,148	2	—	5		
<i>Oregon.</i>	1961	—	—	2	—	3	—	5	106	1	—	1	
<i>British Columbia.</i>	1948	—	37	115	2	28	—	182	5,679	1	—	4	
	1949	2	105	76	3	69	—	255	7,841	1	—	3	
	1950	4	150	95	24	40	2)	1 314	9,598	1	—	4	
	1951	9	216	51	5	153	3)	3 437	14,433	1	—	6	
	1952	16	240	61	22	126	—	465	16,220	1	—	5	
	1953	8	181	47	14	275	4)	14 539	18,255	1	—	5	
	1954	11	150	106	134	226	2)	3 630	17,507	1	—	6	
	1955	11	120	37	139	320	2)	3 630	18,164	1	—	6	
	1956	14	168	28	37	127	2)	1 375	12,728	1	—	6	
	1957	15	284	49	93	190	2)	4 635	19,241	1	—	6	
1958	8	573	40	39	112	2)	2 774	22,173	1	—	6		
1959	28	369	27	185	260	—	869	22,777	1	—	6		
<i>Bonin Island, pelagic.</i>	1947	4	—	1	158	201	—	364 <sup>1)</sup>	772	—	3	4	
	1948	1	3	3	105	131	—	243 <sup>1)</sup>	786	—	2	5	
	1949	—	—	4	116	85	—	205 <sup>1)</sup>	868	—	1	4	
	1950	—	—	—	243	63	—	306	2,747	—	1	4	
	1951	—	—	—	280	60	—	340	3,282	—	1	3	
	1952	—	—	1	411	18	—	430	2,782	—	1	5	
<i>Ryukyu Islands (Okinawa)</i>	1957	—	—	23	—	—	—	23	404	1	—	2	
	1953	—	—	290	—	—	—	290	4,257	3	—	5	
	1959	—	—	217	—	7	—	224	5,329	3	—	6	
	1960	—	—	167	1	14	—	182	3,843	3	—	9	
	1961	—	—	90	—	9	—	99	2,181	2	—	6	

<sup>1)</sup> The whale is mainly used for human food. <sup>2)</sup> Baird's beaked whales. <sup>3)</sup> 1 right-whale, 1 Calif. Grey-whale, 1 Baird's beaked whale. <sup>4)</sup> 10 grey-whales and 4 Baird's beaked whales.

Table q.—Japan and Korea.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sel.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
1948	49	176	8	533	823	<sup>1)</sup> 1	1,590	15,018	20	—	25
1949	14	209	—	759	501	—	1,433	14,179	17	—	25
1950	7	141	5	299	1,429	—	1,701	26,112	16	—	25
1951	47	209	4	419	1,283	—	1,962	29,611	17	—	25
1952	27	231	3	666	1,071	—	1,998	23,635	18	—	25
1953	22	246	9	585	1,186	—	2,048	31,362	18	—	25
1954	16	197	8	646	1,487	—	2,354	33,163	18	—	25
1955	30	354	9	488	1,506	—	2,387	34,421	19	—	25
1956	14	347	14	782	2,125	<sup>1)</sup> 2	3,284	46,233	20	—	25
1957	5	260	5	478	2,361	—	3,109	44,427	17	—	25
1958	7	222	4	823	2,538	—	3,644	60,966	20	—	25
1959	5	127	4	1,340	2,104	—	3,580	52,648	19	—	24
1960	1	131	2	788	2,107	—	3,029	48,403	19	—	25
1961	3	71	4	782	2,101	—	2,961	44,665	18	—	25

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

Table r.—North Pacific Ocean and Bering Sea.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sel.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
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
—	—	—	—	—	—	—	—	—	—	—	—
1952	55	213	37	14	—	—	319	13,606	—	1	4
1953	91	470	42	98	—	—	701	29,123	—	1	4
1954	145	1,316	136	129	491	—	2,217	103,218	—	2	10
1955	70	1,360	117	21	1,084	—	2,652	111,917	—	2	13
1956	70	1,415	37	48	1,598	—	3,168	146,600	—	2	14
1957	70	1,405	—	166	1,700	—	3,341	148,824	—	2	15
1953	70	1,331	24	330	1,500	—	3,255	145,436	—	2	15
1959	70	1,450	—	32	1,800	—	3,352	160,224	—	2	17
1960	70	1,393	—	203	1,800	—	3,466	150,529	—	2	15
1961	70	1,452	9	4	1,800	<sup>2)</sup> 3	3,338	151,059	—	2	15

<sup>1)</sup> No specification. <sup>2)</sup> Right-whales.

Table s.—Kamtchatka.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sel.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
1941	9	254	7	11	194	<sup>2)</sup> 68	543	18,235	—	1	3
1942	2	203	12	—	215	<sup>3)</sup> 122	554	14,500	—	1	3
1943	—	132	29	—	216	<sup>4)</sup> 101	478	15,941	—	1	3
— <sup>1)</sup>	—	—	—	—	—	—	—	—	—	—	—
1946	2	117	9	—	316	<sup>5)</sup> 22	466	16,141	—	1	3
1947 <sup>1)</sup>	—	—	—	—	—	—	—	—	—	—	—
1948	3	229	8	3	574	<sup>6)</sup> 3	820	28,383	—	1	4
1949	3	64	—	21	774	<sup>7)</sup> 6	868	33,045	—	1	4
1950	5	92	4	7	587	<sup>8)</sup> 4	699	27,046	—	1	4
1951	7	90	1	16	765	<sup>9)</sup> 5	884	32,650	—	1	5
1952	7	234	17	13	731	<sup>10)</sup> 4	1,006	34,811	—	1	5
1953	11	145	11	26	865	<sup>11)</sup> 3	1,061	41,493	—	1	5
1954	12	238	21	22	816	<sup>12)</sup> 3	1,112	36,264	—	1	5
1955	4	79	8	28	996	<sup>11)</sup> 1	1,116	38,248	—	1	5
1956	7	65	31	16	998	<sup>13)</sup> 2	1,119	40,571	—	1	6
1957	9	81	50	36	1,174	<sup>11)</sup> 1	1,351	49,282	—	1	7
1958	—	39	10	19	1,430	<sup>11)</sup> 2	1,500	60,013	—	1	7
1959	22	132	74	93	1,560	—	1,831	76,029	—	1	9
1960	—	128	57	59	2,228	—	2,472	96,090	—	1	9
1961	2	79	314	54	1,868	—	2,317	87,040	—	1	<sup>14)</sup> 15

<sup>1)</sup> No returns. <sup>2)</sup> 2 Minke-whales, 57 grey-whales, 5 bottlenoses, and 4 dolphins. <sup>3)</sup> 3 Minke-whales, 101 grey-whales, 7 bottlenoses, and 11 dolphins. <sup>4)</sup> 99 grey-whales, 1 bottlenose, and 1 dolphin. <sup>5)</sup> No specification. <sup>6)</sup> 2 bottlenoses and 1 whale-killer. <sup>7)</sup> 2 Minke-whales and 4 whale-killers. <sup>8)</sup> 1 Minke-whale and 3 bottlenoses. <sup>9)</sup> 2 Minke-whales and 3 bottlenoses. <sup>10)</sup> 2 Minke-whales and 2 bottlenoses. <sup>11)</sup> Bottlenoses. <sup>12)</sup> 1 Minke-whale and 2 bottlenoses. <sup>13)</sup> 1 Minke-whale and 1 bottlenose. <sup>14)</sup> Incl. 4 catchers which also operated from Kuril Islands.

Table t.—Kuril Islands.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1948	—	26	5	36	390	<sup>1)</sup> 3	460	11,219	5	—	10
1949	—	53	7	60	986	<sup>2)</sup> 41	1,147	26,173	5	—	10
1950	2	106	18	49	1,471	<sup>3)</sup> 12	1,658	35,003	5	—	12
1951	9	156	8	52	1,462	<sup>4)</sup> 12	1,699	40,062	5	—	13
1952	17	241	9	188	1,641	<sup>5)</sup> 9	2,105	51,458	5	—	12
1953	10	179	6	86	1,521	<sup>6)</sup> 16	1,818	42,586	5	—	13
1954	23	266	8	126	1,192	<sup>7)</sup> 18	1,633	49,394	5	—	13
1955	27	219	23	128	1,494	<sup>8)</sup> 24	1,915	43,979	5	—	13
1956	45	241	10	171	1,693	<sup>9)</sup> 19	2,179	54,249	4	—	15
1957	44	173	2	108	1,821	<sup>10)</sup> 14	2,162	52,415	4	—	14
1958	14	328	4	336	2,184	<sup>11)</sup> 9	2,875	62,478	4 ?	—	22
1959	19	223	5	131	1,878	<sup>12)</sup> 9	2,265	52,143	4 ?	—	19
1960	14	265	3	140	1,487	<sup>13)</sup> 22	1,931	45,032	4 ?	—	13
1961	15	156	19	52	1,401	<sup>14)</sup> 4	1,647	34,535	4 ?	—	15

<sup>1)</sup> 1 Minke-whale and 2 whale-killers. <sup>2)</sup> 6 Minke-whales, 11 bottlenoses, and 24 whale-killers. <sup>3)</sup> 3 Minke-whales and 9 bottlenoses. <sup>4)</sup> 7 Minke-whales and 5 bottlenoses. <sup>5)</sup> 3 Minke-whales and 6 bottlenoses. <sup>6)</sup> 8 Minke-whales and 8 bottlenoses. <sup>7)</sup> 9 Minke-whales and 9 bottlenoses. <sup>8)</sup> 9 Minke-whales, 5 bottlenoses, and 10 Southern Right-whales. <sup>9)</sup> 10 Minke-whales and 9 bottlenoses. <sup>10)</sup> 6 Minke-whales, 8 bottlenoses. <sup>11)</sup> 4 Minke-whales and 5 bottlenoses. <sup>12)</sup> 1 Minke-whale and 8 bottlenoses. <sup>13)</sup> 4 Minke-whales and 18 bottlenoses. <sup>14)</sup> 1 Minke-whale and 3 bottlenoses.

Table u.—Brazil.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1948	1	—	21	10	—	<sup>1)</sup> 4	36	1,050	2	—	1
1949	—	—	15	18	—	<sup>2)</sup> 5	38	1,251	2	—	2
1950	—	—	24	98	—	<sup>1)</sup> 6	128	2,132	2	—	2
1951	—	—	28	151	—	—	179	2,925	1	—	2
1952	—	—	10	157	1	—	168	2,171	2	—	2
1953	—	—	8	161	1	<sup>3)</sup> 5	175	2,837	2	—	2
1954	—	—	18	183	1	—	202	3,636	1	—	2
1955	—	—	9	200	1	<sup>4)</sup> 3	213	3,530	2	—	2
1956	—	1	14	196	3	<sup>1)</sup> 3	217	3,596	2	—	3
1957	—	—	—	115	2	<sup>1)</sup> 5	122	1,300	2	—	3
1958	—	1	5	118	4	—	128	2,524	1	—	2
1959	—	—	8	294	11	<sup>5)</sup> 2	315	4,736	1	—	3
1960	—	21	13	750	29	—	813	10,800	2	—	5
1961	—	10	13	958	102	—	1,083	16,275	2	—	4

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

Table v.—Peru.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1948	1	2	—	1	2,497	—	2,501	88,205	—	1	7
—	—	—	—	—	—	—	—	—	—	—	—
1951	4	21	23	1	6,365	—	6,414	197,524	1	4	51
1952	7	14	20	17	37	—	95	1,941	1	—	1
1953	10	28	6	36	1,260	—	1,340	22,108	3	—	6
1954	8	30	1	2	4,134	—	4,175	104,168	3	1	19
1955	8	7	2	1	1,869	—	1,887	31,335	2	—	6
1956	—	1	7	—	2,019	—	2,027	32,604	2	—	6
1957	—	—	—	—	2,381	—	2,381	45,745	3	—	8
1958	—	—	—	—	2,554	—	2,554	56,315	3	—	8
1959	—	—	—	1	3,399	—	3,400	74,785	3	—	8
1960	—	—	—	—	3,451	—	3,451	75,426	3	—	8
1961	—	—	—	—	3,602	—	3,602	76,644	3	—	8

Table w.—Chile.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations-	Float-ing fac-tories-	Catch-ers.
								Barrels.			
1949	35	219	6	—	731	—	991	23,382	2	—	7
1950	45	274	5	—	769	—	1,093	30,231	2	—	7
1951	77	279	3	2	733	—	1,094	30,993	2	—	10
1952	143	424	7	10	790	—	1,374	35,406	2	—	10
1953	172	283	21	24	698	—	1,198	30,169	2	—	8
1954	70	434	—	26	798	—	1,328	27,885	2	—	12
1955	150	359	5	32	746	<sup>1)</sup> 6	1,298	36,108	2	—	13
1956	209	202	3	48	1,171	—	1,633	41,751	2	—	12
1957	100	69	5	39	2,299	—	2,512	44,688	2	—	13
1958	166	73	—	16	2,062	—	2,317	48,301	3	—	13
1959	80	70	3	17	2,062	<sup>1)</sup> 1	2,233	44,851	3	—	14
1960	131	52	2	13	1,886	—	2,084	41,443	3	—	16
1961	142	16	3	13	2,160	—	2,334	46,623	3	—	10

<sup>1)</sup> Right-whales.Table x.—South Pacific Ocean. (North of 40° South Lat.)<sup>1)</sup>

1957	—	—	—	—	48	—	48	1,712	—	<sup>2)</sup> (1)	<sup>2)</sup> —
------	---	---	---	---	----	---	----	-------	---	-------------------	-----------------

<sup>1)</sup> Catch by fl. factory on voyage to the Antarctic grounds. <sup>2)</sup> Incl. in the Antarctic statistics.Table y.—Indian Ocean. (North of 40° South Lat.)<sup>1)</sup>

1957	—	—	—	—	23	—	23	742	—	<sup>2)</sup> (2)	<sup>2)</sup> —
------	---	---	---	---	----	---	----	-----	---	-------------------	-----------------

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

Table z.—Australia.

								Barrels.			
1949	—	—	193	—	—	—	193	5,738	2	—	2
1950	—	—	388	—	—	—	388	16,494	2	—	4
1951	—	—	1,224	—	—	—	1,224	56,090	2	—	6
1952	—	—	1,787	—	—	—	1,787	91,830	4	—	10
1953	—	1	2,000	—	—	—	2,001	102,191	4	—	9
1954	1	—	2,038	—	—	—	2,039	100,515	5	—	9
1955	—	—	1,846	—	7	<sup>1)</sup> 1	1,854	96,377	5	—	9
1956	—	1	1,989	—	61	—	2,051	104,607	5	—	11
1957	—	—	1,961	—	139	—	2,100	108,069	5	—	12
1958	2	—	1,807	—	283	<sup>2)</sup> 3	2,095	107,845	5	—	13
1959	12	1	1,660	—	138	—	1,811	94,311	5	—	13
1960	2	—	1,525	—	282	—	1,809	89,366	5	—	14
1961	—	—	1,481	—	454	<sup>2)</sup> 2	1,937	85,542	5	—	12

<sup>1)</sup> Minke-whale. <sup>2)</sup> Bryde-whales.Table z<sup>1</sup>.—New Zealand.

								Barrels.			
1949	—	—	141	—	—	—	141	5,838	1	—	3
1950	—	—	79	—	—	—	79	2,844	1	—	3
1951	—	—	111	—	—	—	111	4,482	1	—	3
1952	—	—	121	1	—	—	122	4,800	1	—	3
1953	—	—	109	—	—	—	109	4,560	1	—	3
1954	—	—	180	—	—	—	180	8,820	1	—	3
1955	—	—	112	—	—	—	112	5,020	1	—	3
1956	—	—	143	14	—	—	159	6,325	2	—	4
1957	—	—	184	2	2	—	186	8,640	2	—	4
1958	—	—	183	—	—	—	183	8,235	1	—	3
1959	—	—	318	2	—	—	320	16,338	2	—	6
1960	—	—	361	—	—	—	361	15,184	2	—	6
1961	—	—	80	1	—	—	81	4,100	2	—	8



**Table z<sup>2</sup>.—Production of by-products in the Antarctic and on other whaling grounds 1955/56—1960/61.**

Year Grounds	By-products	Whale meat-meal, bone-meal, grax-meal, guano.	Whale liver	Liver- oil, vitamin oil	Liver- meal	Whale meat, blubber for food, ventral grooves	Whale solubles	Other by- products
		Long tons	L. tons	L. tons	L. tons	L. tons	L. tons	L. tons
1955-56.....	Total	69,442	1,280	354	162	87,936	11,383	7,157
1956-57.....	"	71,201	1,335	369	156	113,804	9,743	10,021
1957-58.....	"	78,353	1,137	337	113	128,385	12,792	18,786
1958-59.....	"	77,795	1,218	308	138	127,019	5,661	31,202
<i>1959-60.</i>								
Antarctic .....		53,024	1,316	131	-	95,997	1,038	22,651
Africa:—Natal .....		6,077	-	16	-	-	2,583	403
Cape province ...		3,144	-	-	-	963	-	100
Brazil, Paraiba .....		382	5	-	-	1,260	-	-
Cabo Frio ..		383	-	1	-	1,349	-	6
North Atl. and Arctic								
Azores .....		343	-	-	-	-	-	-
Madeira .....		132	-	-	-	-	-	-
Spain .....		552	-	-	-	313	-	-
Norway .....		473	27	-	-	1,428	-	-
Iceland .....		1,729	16	-	-	1,834	-	-
Newfoundland ...		-	-	-	-	7	-	-
Pacific North:—								
California .....		1,328	-	-	-	1,790	-	-
Bering Sea .....		-	-	104	-	21,189	-	5,560
Kamtchatka .....		-	264	-	-	39	-	36
Kuril Islands .....		1,019	248	-	-	1,467	-	458
Japan .....		4,805	-	-	-	12,448	-	2,047
Ryukyu Islands..		193	14	2	-	2,297	-	48
Peru .....		5,045	-	-	-	-	-	-
Chile .....		1,080	-	-	-	7	-	-
Australia .....		4,454	-	-	-	445	2,591	-
New Zealand .....		345	20	-	-	601	-	-
	Total	84,511	1,910	254	-	143,434	6,212	31,309
<i>1960-61.</i>								
Antarctic .....		55,959	1,937	134	-	124,596	2,169	29,726
Africa:—Natal .....		5,596	-	17	-	-	2,705	486
Cape Province ...		2,750	-	-	-	1,657	-	33
Brazil: Paraiba .....		610	-	-	-	672	-	670
Cabo Frio ..		455	-	2	-	-	-	42
North Atl. and Arctic								
Azores .....		191	-	-	-	-	-	-
Madeira .....		115	-	-	-	-	-	-
Spain .....		-	-	-	-	-	-	-
Norway .....		561	7	-	-	1,798	-	-
Iceland .....		1,578	6	-	-	1,307	-	-
Newfoundland ..		-	-	-	-	6	-	-
Pacific North:—								
California .....		1,465	-	-	-	2,207	-	-
Oregon .....		15	-	-	-	29	12	-
Bering Sea ..		93	-	97	-	18,455	-	5,940
Kamtchatka .....		330	265	-	-	38	-	-
Kuril Islands .....		1,058	169	-	-	203	-	543
Japan .....		4,911	-	-	-	10,950	-	2,287
Ryukyu Islands..		253	8	1	-	934	-	85
Peru .....		4,623	-	-	-	-	-	-
Chile .....		1,543	-	-	-	1	659	71
Australia .....		3,996	-	-	-	535	2,303	-
New Zealand .....		53	17	-	-	205	-	-
	Total	86,155	2,409	251	-	163,593	7,848	39,883

**Table Z<sup>3</sup>.—Catch of small whales in the years 1956/57—1960/61, by species and whaling grounds.**

Years <sup>1)</sup> Grounds	Species of whales caught						
	Minke- whales	Bottle- noses	Pilot- whales	Killer- whales	White- whales	Baird's beaked whales	Others or unspecified whales
<i>1956—57.</i>							
Norway .....	3,644	163	80	48	294	—	—
Faroe Islands <sup>2)</sup> .....	..	..	..	..	..	..	..
Newfoundland .....	37	—	7,797	—	—	—	—
Gulf of St. Lawrence..	—	—	—	—	1	—	—
Hudson Bay .....	—	—	—	—	517	—	—
British Columbia .....	—	—	—	—	—	4	—
Japan .....	423	—	174	78	—	186	37
U.S.S.R. ....	6	9	—	30	—	—	—
Antarctic .....	46	—	—	54	—	—	—
Total	4,156	172	8,051	210	812	190	37
<i>1957—58.</i>							
Norway .....	4,341	145	216	39	50	—	—
Faroe Islands <sup>2)</sup> .....	..	..	..	..	..	..	..
Newfoundland .....	42	—	789	—	—	—	—
Gulf of St. Lawrence..	—	—	—	—	2	—	—
Hudson Bay .....	—	—	—	—	708	—	—
British Columbia .....	—	—	—	—	—	2	—
Japan .....	512	—	197	73	—	229	178
U.S.S.R. ....	4	7	—	21	—	—	—
Antarctic .....	493	—	—	75	—	—	—
Total	5,392	152	1,202	208	760	231	178
<i>1958—59.</i>							
Norway .....	3,091	94	224	69	—	—	—
Faroe Islands .....	—	—	1,422	—	—	—	—
Greenland .....	19	—	—	—	—	—	—
Newfoundland .....	18	—	1,725	—	—	—	—
Hudson Bay .....	—	—	—	—	268	—	—
Japan .....	280	—	144	36	—	186	391
U.S.S.R. ....	1	8	—	36	—	—	—
Antarctic .....	103	—	—	110	—	—	—
Total	3,512	102	3,515	251	268	186	391
<i>1959—60.</i>							
Norway .....	3,429	193	331	82	—	—	—
Faroe Islands .....	22	—	1,680	—	—	—	—
Greenland .....	21	..	5	..	186	..	379 <sup>3)</sup>
Newfoundland .....	11	—	1,957	—	—	—	—
Hudson Bay .....	—	—	—	—	385	—	—
Japan .....	253	—	168	48	—	147	178
U.S.S.R. ....	4	18	—	45	—	—	—
Antarctic .....	204	—	—	55	—	—	—
Total	3,944	211	4,141	230	571	147	557
<i>1960—61.</i>							
Norway .....	3,219	87	295	111	—	—	—
Faroe Islands .....	—	—	1,892	—	—	—	27
Greenland .....	26	—	—	—	33 <sup>4)</sup>	—	7 <sup>4)</sup>
Newfoundland .....	22	—	6,262	—	—	—	—
Hudson Bay .....	—	—	—	—	93	—	—
Japan .....	332	—	133	54	—	133	305
U.S.S.R. ....	1	3	—	4	—	—	—
Antarctic .....	162	—	—	64	—	—	—
Total	3,762	90	8,582	233	126	133	339

<sup>1</sup> 1956—57 = Antarctic season 1956—57 and summer 1957, a. s. o. <sup>2</sup> No information received. <sup>3</sup> Incl. probably some white-whales. <sup>4</sup> Up to March 31st incl.

**Table Z<sup>4</sup>.—Catch of Minke-whales (*Balaenoptera Acutorostrata*) 1956—1961, by months and whaling grounds.**

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Des.	
Norway:—														
Total .....	1956	—	—	16	213	941	1,294	359	589	246	—	—	—	3,658
	1957	—	—	17	145	1,035	1,191	441	722	93	—	—	—	3,644
	1958	—	—	38	200	936	1,824	494	743	106	—	—	—	4,341
	1959	—	—	4	208	803	1,161	353	486	76	—	—	—	3,091
	1960	—	—	21	132	690	1,458	444	574	110	—	—	—	3,429
	1961	—	—	18	161	865	1,425	245	412	93	—	—	—	3,219
Of which:														
Coastal districts <sup>1)</sup>	1956	—	—	16	132	530	456	349	511	239	—	—	—	2,233
	1957	—	—	17	69	278	419	419	674	91	—	—	—	1,967
	1958	—	—	35	62	234	530	438	695	104	—	—	—	2,098
	1959	—	—	—	—	—	—	—	—	—	—	—	—	1,271
	1960	—	—	—	—	—	—	—	—	—	—	—	—	1,428
	1961	—	—	—	—	—	—	—	—	—	—	—	—	1,411
Barents Sea, Spitzbergen and Bear Island <sup>2)</sup>	1956	—	—	—	39	383	816	—	—	—	—	—	—	1,238
	1957	—	—	—	50	613	714	—	—	—	—	—	—	1,377
	1958	—	—	—	130	539	1,109	43	12	—	—	—	—	1,833
	1959	—	—	—	—	—	—	—	—	—	—	—	—	1,355
	1960	—	—	—	—	—	—	—	—	—	—	—	—	1,503
	1961	—	—	—	—	—	—	—	—	—	—	—	—	1,374
Shetland <sup>1)</sup> .....	1956	—	—	—	42	28	22	10	78	7	—	—	—	187
	1957	—	—	—	26	144	58	22	48	2	—	—	—	300
	1958	—	—	3	8	163	185	13	36	2	—	—	—	410
	1959	—	—	—	—	—	—	—	—	—	—	—	—	465
	1960	—	—	—	—	—	—	—	—	—	—	—	—	498
	1961	—	—	—	—	—	—	—	—	—	—	—	—	434
Denmark:—														
Faroe Islands....	1960	—	—	—	22	—	—	—	—	—	—	—	—	22
Greenland .....	1959	—	—	—	—	—	6	7	2	3	1	—	—	19
	1960	—	—	—	—	6	7	1	—	1	1	1	—	<sup>3)</sup> 21
	1961	—	—	—	2	5	5	3	2	3	2	2	—	<sup>4)</sup> 26
United Kingdom:—														
Antarctic .....	1955/56	—	—	—	—	—	—	—	—	—	—	—	—	1
	1958/59	—	—	—	—	—	—	—	—	—	—	—	—	1
	1959/60	—	—	—	—	—	—	—	—	—	—	—	—	1
Canada:—														
Newfoundland ..	1956	—	—	—	—	3	37	16	1	—	—	—	—	57
	1957	—	—	—	—	—	15	22	—	—	—	—	—	37
	1958	—	—	—	—	2	30	8	—	2	—	—	—	42
	1959	—	—	—	—	2	5	10	1	—	—	—	—	18
	1960	—	—	—	—	—	3	6	1	1	—	—	—	11
	1961	—	—	—	—	—	8	11	2	1	—	—	—	22
Japan:—														
Coastal districts..	1956	1	3	17	52	191	112	76	35	30	15	—	—	532
	1957	4	9	25	102	124	76	38	11	21	13	—	—	423
	1958	2	6	18	74	214	135	26	11	22	4	—	—	512
	1959	—	2	12	33	82	42	59	36	9	5	—	—	280
	1960	—	—	13	69	77	44	33	10	6	1	—	—	253
	1961	—	—	18	68	95	73	39	16	22	1	—	—	332
U.S.S.R.:—														
Kamtchatka.....	1956	—	—	—	—	—	—	—	1	—	—	—	—	1
Kuril Islands....	1956	—	—	—	—	—	2	5	1	1	1	—	—	10
	1957	—	—	—	—	1	1	3	—	1	—	—	—	6
	1958	—	—	—	—	—	1	1	1	—	1	—	—	4
	1959	—	—	—	—	—	—	—	1	—	—	—	—	1
	1960	—	—	—	—	1	—	1	2	—	—	—	—	4
	1961	—	—	—	—	—	1	—	—	—	—	—	—	1

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

<sup>2</sup> Catching period permitted: March 15th—June 30th, both days included. <sup>3</sup> Incl. 4 Minke-whales without specification for months. <sup>4</sup> Incl. 2 Minke-whales without specification for months.

Table Z<sup>4</sup>. (cont.)

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Antarctic . . . . .	1955/56	-	-	7	-	-	-	-	-	-	-	-	34	41
	1956/57	-	-	46	-	-	-	-	-	-	-	-	-	46
	1957/58	4	-	481	-	-	-	-	-	-	-	-	8	493
	1958/59	9	-	-	-	-	-	-	-	-	-	38	55	102
	1959/60	-	-	-	-	-	-	-	-	-	-	63	140	203
	1960/61	3	15	4	-	-	-	-	-	-	-	40	100	162

Table Z<sup>5</sup>.—Catch of Bottlenoses (*Hyperoodon Rostrata*) 1956—1961, by months and whaling grounds.

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Norway:—														
Total . . . . .	1956	-	-	1	39	176	29	1	-	15	6	-	-	267
	1957	-	-	-	41	65	32	24	1	-	-	-	-	163
	1958	-	-	-	5	81	32	11	2	6	8	-	-	145
	1959	-	-	-	8	29	49	2	1	1	4	-	-	94
	1960	-	-	-	30	110	51	-	2	-	-	-	-	193
	1961	-	-	-	8	50	11	10	8	-	-	-	-	87
Of which:														
Coastal districts <sup>1)</sup> . .	1956	-	-	1	2	1	24	-	-	15	6	-	-	49
	1957	-	-	-	11	31	4	-	1	-	-	-	-	47
	1958	-	-	-	-	5	16	-	1	6	8	-	-	36
	1959	-	-	-	-	-	-	-	-	-	-	-	-	24
	1960	-	-	-	-	-	-	-	-	-	-	-	-	43
	1961	-	-	-	-	-	-	-	-	-	-	-	-	28
Barents Sea, Spitzbergen and Bear Island <sup>2)</sup>	1956	-	-	-	37	175	5	-	-	-	-	-	-	217
	1957	-	-	-	30	34	28	-	-	-	-	-	-	92
	1958	-	-	-	5	76	16	-	-	-	-	-	-	97
	1959	-	-	-	-	-	-	-	-	-	-	-	-	69
	1960	-	-	-	-	-	-	-	-	-	-	-	-	150
	1961	-	-	-	-	-	-	-	-	-	-	-	-	49
Shetland <sup>1)</sup> . . . . .	1956	-	-	-	-	-	-	1	-	-	-	-	-	1
	1957	-	-	-	-	-	-	24	-	-	-	-	-	24
	1958	-	-	-	-	-	-	11	1	-	-	-	-	12
	1959	-	-	-	-	-	-	-	-	-	-	-	-	1
	1960	-	-	-	-	-	-	-	-	-	-	-	-	-
	1961	-	-	-	-	-	-	-	-	-	-	-	-	10
U.S.S.R.:—														
Kamtchatka . . . . .	1956	-	-	-	-	-	-	-	1	-	-	-	-	1
	1957	-	-	-	-	1	-	-	-	-	-	-	-	1
	1958	-	-	-	-	-	1	-	-	1	-	-	-	2
	1959	-	-	-	-	-	-	-	-	-	-	-	-	-
Kuril Islands . . . . .	1956	-	-	-	-	-	1	1	2	4	1	-	-	9
	1957	-	-	-	-	2	3	1	1	1	-	-	-	8
	1958	-	-	-	-	1	2	-	2	-	-	-	-	5
	1959	-	-	-	1	1	3	-	2	1	-	-	-	8
	1960	-	-	-	-	-	4	-	1	1	12	-	-	18
	1961	-	-	-	-	-	1	1	-	-	1	-	-	3

<sup>1)</sup>, <sup>2)</sup> See notes 1 and 2, page 34.

**Table. Z<sup>6</sup>.—Catch of Pilot-whales (*Globicephala Melaena*) 1955—1961,  
by months and whaling grounds.**

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Norway:—														
Total .....	1955	—	—	—	—	—	—	—	13	—	—	—	—	13
	1956	—	—	—	—	—	—	—	1	—	—	—	—	1
	1957	—	—	—	—	6	—	4	52	18	—	—	—	80
	1958	—	—	2	—	—	—	64	150	—	—	—	—	216
	1959	—	—	—	—	—	2	19	191	12	—	—	—	224
	1960	—	—	—	—	22	—	37	266	6	—	—	—	331
	1961	—	—	—	—	3	1	23	267	1	—	—	—	295
Of which:														
Coastal districts <sup>1)</sup>	1955	—	—	—	—	—	—	—	7	—	—	—	—	7
	1956	—	—	—	—	—	—	—	1	—	—	—	—	1
	1957	—	—	—	—	3	—	3	14	18	—	—	—	38
	1958	—	—	2	—	—	—	—	32	—	—	—	—	34
	1959	—	—	—	—	—	—	—	—	—	—	—	—	56
	1960	—	—	—	—	—	—	—	—	—	—	—	—	52
	1961	—	—	—	—	—	—	—	—	—	—	—	—	153
Shetland <sup>1)</sup> .....	1955	—	—	—	—	—	—	—	6	—	—	—	—	6
	1957	—	—	—	—	3	—	1	38	—	—	—	—	42
	1958	—	—	—	—	—	—	64	118	—	—	—	—	182
	1959	—	—	—	—	—	—	—	—	—	—	—	—	168
	1960	—	—	—	—	—	—	—	—	—	—	—	—	279
	1961	—	—	—	—	—	—	—	—	—	—	—	—	629
Denmark:—														
Faroe Islands .	1959	129	—	—	—	123	355	381	434	—	—	—	—	1,422
	1960	—	—	—	90	—	367	710	306	207	—	—	—	1,680
Canada:—														
Newfoundland	1955	—	—	—	—	—	—	620	885	3,150	1,957	—	—	6,612
	1956	—	—	—	—	—	—	1,240	2,379	2,769	2,944	467	—	9,799
	1957	—	—	—	—	—	—	382	5,110	1,985	320	—	—	7,797
	1958	—	—	—	—	—	—	—	516	158	115	—	—	789
	1959	—	—	—	—	—	—	—	263	390	815	157	100	1,725
	1960	—	—	—	—	—	141	107	807	902	—	—	—	1,957
	1961	—	—	—	—	—	151	441	2,815	2,334	521	—	—	6,262
Japan:—														
Coastal districts	1955	—	1	—	4	15	10	3	2	20	1	5	—	61
	1956	1	1	2	2	32	40	16	34	30	71	17	51	297
	1957	13	1	13	5	12	45	20	19	5	13	15	13	174
	1958	4	1	—	8	36	57	23	13	9	13	21	12	197
	1959	—	1	13	19	18	52	7	2	4	10	15	3	144
	1960	5	8	9	13	13	36	14	22	9	17	10	12	168
	1961	1	8	2	3	31	17	8	22	12	5	10	14	133

<sup>1</sup> See note 1 page 34.

Table Z7.—Catch of Killer-whales (*Orcinus orca*) 1956—1961, by months and whaling grounds.

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Norway:—														
Total .....	1956	—	—	—	7	8	9	4	4	8	—	—	—	40
	1957	—	—	—	14	11	10	—	12	1	—	—	—	48
	1958	—	—	7	11	16	4	—	—	1	—	—	—	39
	1959	—	—	—	9	14	17	—	25	4	—	—	—	69
	1960	—	—	3	18	23	10	5	17	6	—	—	—	82
	1961	—	26	1	14	14	11	11	29	5	—	—	—	111
Of which:														
Coastal districts <sup>1)</sup> ...	1956	—	—	—	5	3	7	—	1	2	—	—	—	18
	1957	—	—	—	14	10	7	—	2	—	—	—	—	33
	1958	—	—	7	9	8	3	—	—	1	—	—	—	28
	1959	—	—	—	—	—	—	—	—	—	—	—	—	13
	1960	—	—	—	—	—	—	—	—	—	—	—	—	40
	1961	—	—	—	—	—	—	—	—	—	—	—	—	57
Barents Sea, Spitzbergen and Bear Island <sup>2)</sup>	1956	—	—	—	2	5	2	—	—	—	—	—	—	9
	1957	—	—	—	—	—	2	—	—	—	—	—	—	2
	1958	—	—	—	2	8	1	—	—	—	—	—	—	11
	1959	—	—	—	—	—	—	—	—	—	—	—	—	24
	1960	—	—	—	—	—	—	—	—	—	—	—	—	14
	1961	—	—	—	—	—	—	—	—	—	—	—	—	11
Shetland <sup>1)</sup> .....	1956	—	—	—	—	—	—	4	3	6	—	—	—	13
	1957	—	—	—	—	1	1	—	10	1	—	—	—	13
	1959	—	—	—	—	—	—	—	—	—	—	—	—	32
	1960	—	—	—	—	—	—	—	—	—	—	—	—	28
	1961	—	—	—	—	—	—	—	—	—	—	—	—	43
Japan:														
Coastal districts ..	1956	—	1	3	1	7	4	2	5	6	6	3	—	38
	1957	—	—	2	5	4	10	21	5	9	11	8	3	78
	1958	—	7	2	—	8	25	3	5	4	7	8	4	73
	1959	—	3	—	4	1	3	2	3	8	6	6	—	36
	1960	2	—	—	2	2	4	7	6	10	3	10	2	48
	1961	1	2	9	5	9	4	4	4	4	5	5	2	54
U.S.S.R.:—														
Kamtchatka .....	1956	—	—	—	—	15	7	2	1	1	—	—	—	26
	1957	—	—	—	—	—	—	—	3	—	—	—	—	3
	1958	—	—	—	—	—	—	4	3	—	—	—	—	7
	1959	—	—	—	—	—	—	—	—	—	—	—	—	—
	1960	—	—	—	—	—	—	8	—	—	—	—	—	8
Kuril Islands .....	1956	—	—	—	—	3	18	16	2	8	—	—	—	47
	1957	—	—	—	—	3	9	7	3	5	—	—	—	27
	1958	—	—	—	—	—	5	5	5	—	3	—	—	18
	1959	—	—	—	—	25	8	—	3	—	—	—	—	36
	1960	—	—	—	2	3	—	15	1	3	21	—	—	45
	1961	—	—	—	—	—	4	—	—	—	—	—	—	4
Antarctic .....	1955-56	2	—	16	—	—	—	—	—	—	—	8	7	33
	1956-57	6	—	—	—	—	—	—	—	—	—	—	48	54
	1957-58	4	—	—	—	—	—	—	—	—	—	16	55	75
	1958-59	—	—	—	—	—	—	—	—	—	—	36	74	110
	1959-60	—	—	—	—	—	—	—	—	—	—	25	30	55
	1960-61	—	—	8	—	—	—	—	—	—	—	19	37	64

<sup>1)</sup>, <sup>2)</sup> See notes 1 and 2, page 34.

For catch of Killer-whales an additional season was allowed from February 1st to March 15th.

**Table Z<sup>8</sup>.—Catch of White-whales, (*Delphinapterus leucas*) 1956—1961, by months and whaling grounds.**

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Norway:—														
West Spitzbergen <sup>1</sup> ).	1956	—	—	—	—	446	—	—	—	—	—	—	—	446
	1957	—	—	—	—	294	—	—	—	—	—	—	—	294
	1958	—	—	—	—	50	—	—	—	—	—	—	—	50
Canada:—														
Hudson Bay . . . . .	1956	—	—	—	—	—	19	80	171	152	—	—	—	422
	1957	—	—	—	—	—	26	234	130	127	—	—	—	517
	1958	—	—	—	—	—	—	—	338	370	—	—	—	708
	1959	—	—	—	—	—	—	—	—	—	—	—	—	268
	1960	—	—	—	—	—	—	—	—	—	—	—	—	385
	1961	—	—	—	—	—	—	3	52	38	—	—	—	93
Gulf of														
St. Lawrence . . . . .	1956	—	—	—	—	—	—	—	—	—	—	—	—	12
	1957	—	—	—	—	—	—	—	—	—	—	—	—	1
	1958	—	—	—	—	—	—	—	—	—	—	—	—	2

<sup>1</sup> See note 2, page 34.**Table Z<sup>9</sup>.—Catch of Baird's beaked whales (*Berardius Bairdii*) 1956—1961, by months and whaling grounds.**

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Canada:—														
British Columbia . .	1956	—	—	—	—	1	—	—	—	—	—	—	—	1
	1957	—	—	—	—	2	—	—	2	—	—	—	—	4
	1958	—	—	—	—	—	—	—	2	—	—	—	—	2
Japan:—														
Coastal districts . . .	1956	—	—	—	—	3	7	117	124	30	12	4	—	297
	1957	—	—	—	—	3	13	72	75	11	2	10	—	186
	1958	—	—	—	—	—	5	81	110	25	8	—	—	229
	1959	—	—	—	1	1	11	66	51	32	20	4	—	186
	1960	—	—	—	—	—	9	49	33	33	13	9	1	147
	1961	—	—	—	—	6	16	30	39	21	9	7	5	133

**Table Z<sup>10</sup>.—Catch of others or unspecified small whales 1956—1961, by months and whaling grounds.**

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Denmark:—														
Faroe Islands . . . . .	1960	—	—	—	—	—	—	40	—	—	—	—	—	40
Japan:—														
Coastal districts . . .	1956	1	—	—	—	10	12	4	7	9	—	3	—	46
	1957	—	—	—	2	8	3	4	15	3	1	1	—	37
	1958	56	28	3	6	6	3	9	16	2	3	1	45	178
	1959	87	13	74	86	19	5	53	13	10	4	8	19	391
	1960	84	5	7	7	5	2	14	21	20	8	1	4	178
	1961	85	5	8	10	16	10	9	21	27	17	16	81	305

## TABLES

Antarctic season 1960/61 and summer season 1961.

Table No. 1.—Whaling in 1960/61 and summer 1961.

Geographical areas.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
South Georgia . . . . .	4	1,387	—	792	134	—	2,317	109,727	3	—	16
Antarctic, pelagic whaling . . . . .	1,740	27,374	718	4,310	4,666	<sup>1)</sup> 164	38,972	2,123,157	—	21	252
Africa:—											
Natal . . . . .	6	622	36	475	1,004	—	2,143	60,924	1	—	11
Cape Province . . . . .	3	201	4	228	765	<sup>2)</sup> 8	1,209	27,421	1	—	6
South Atlantic, pelagic whaling <sup>3)</sup>	—	—	—	—	121	—	121	3,655	—	—	—
Brazil:—											
Paraiba . . . . .	—	10	13	958	102	—	1,083	16,275	2	—	4
North Atlantic and Arctic:—											
Azores . . . . .	—	—	—	—	374	—	374	10,534	—	—	—
Madeira . . . . .	—	—	4	—	129	—	133	3,365	—	—	—
Spain . . . . .	—	—	—	—	98	<sup>4)</sup> 94	192	<sup>5)</sup> 5,123	2	—	3
Norway . . . . .	—	162	—	6	88	—	256	8,830	2	—	6
Iceland . . . . .	—	142	—	58	150	—	350	15,082	1	—	4
Greenland . . . . .	—	—	1	—	—	—	1	—	—	—	—
Newfoundland . . . . .	—	—	—	1	—	—	1	—	—	—	—
Pacific North:—											
California . . . . .	2	118	62	51	101	<sup>6)</sup> 4	338	9,148	2	—	5
Oregon . . . . .	—	—	2	—	3	—	5	106	1	—	1
N. Pacific Ocean and Bering Sea, pelagic whaling . . . . .	70	1,452	9	4	1,800	<sup>7)</sup> 3	3,338	151,059	—	2	15
Kamtschatka . . . . .	2	79	314	54	1,868	—	2,317	87,040	—	1	} 26
Kuril Islands . . . . .	15	156	19	52	1,401	<sup>8)</sup> 4	1,647	34,535	4(?)	—	
Japan . . . . .	3	71	4	782	2,101	—	2,961	44,665	18	—	25
Ryukyu Islands . . . . .	—	—	90	—	9	—	99	2,181	2	—	6
Peru . . . . .	—	—	—	—	3,602	—	3,602	76,644	3	—	8
Chile . . . . .	142	16	3	13	2,160	—	2,334	46,623	3	—	10
Australia . . . . .	—	—	1,481	—	454	<sup>2)</sup> 2	1,937	85,542	5	—	12
New Zealand . . . . .	—	—	80	1	—	—	81	4,100	2	—	8
Total	1,987	31,790	2,840	7,785	21,130	279	65,811	2,925,736	52	24	418

<sup>1)</sup> 2 right-whales and 162 Minke-whales. <sup>2)</sup> Bryde-whales. <sup>3)</sup> Catch by floating factories on voyage to the Antarctic whaling grounds (North of 40° South Lat.). <sup>4)</sup> Balcen whales, not specified. <sup>5)</sup> Calculated. <sup>6)</sup> Baird's beaked whales. <sup>7)</sup> Right-whales. <sup>8)</sup> 1 Minke-whale and 3 bottlenoses. <sup>9)</sup> Barrel = 170 kg. (Barrel = abt.  $\frac{1}{8}$  long ton, 1 long ton = 1,016 kg.)



**Table No. 2.—Norwegian whaling in 1960/61 and summer 1961.**

Geographical areas.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
Antarctic, pelagic whaling.....	138	9,825	80	701	1,745	<sup>1)</sup> 1	12,490	Barrels 743,298	—	8	81
South Atlantic, pelagic whaling <sup>2)</sup>	—	—	—	—	83	—	83	1,949	—	—	—
Norway .....	—	162	—	6	88	—	256	8,830	2	—	6
<b>Total</b>	<b>138</b>	<b>9,987</b>	<b>80</b>	<b>707</b>	<b>1,916</b>	<b>1</b>	<b>12,829</b>	<b>754,077</b>	<b>2</b>	<b>8</b>	<b>87</b>

<sup>1)</sup> Right-whale. <sup>2)</sup> Floating factories on voyage to the Antarctic whaling grounds (Catch north of 40° South Lat.).

**Table No. 3.—Whaling of United Kingdom in 1960/61 and summer 1961.**

Geographical areas.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
South Georgia <sup>1)</sup> ...	4	1,387	—	792	134	—	2,317	Barrels 109,727	3	—	16
Antarctic, pelagic whaling .....	107	2,361	115	736	177	—	3,496	196,472	—	2	22
<b>Total</b>	<b>111</b>	<b>3,748</b>	<b>115</b>	<b>1,528</b>	<b>311</b>	<b>—</b>	<b>5,813</b>	<b>306,199</b>	<b>3</b>	<b>2</b>	<b>38</b>

<sup>1)</sup> Incl. the catch of one British company registered at Falkland Islands.

**Table No. 4.—Whaling of Japan in 1960/61 and summer 1961.**

Geographical areas.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
Antarctic, pelagic whaling .....	1,144	8,912	211	1,773	1,552	—	13,592	Barrels 667,350	—	7	83
North Pacific Ocean and Bering Sea, pelagic whaling..	70	1,452	9	4	1,800	<sup>1)</sup> 3	3,338	151,059	—	2	15
Japan .....	3	71	4	782	2,101	—	2,961	44,665	18	—	25
<b>Total</b>	<b>1,217</b>	<b>10,435</b>	<b>224</b>	<b>2,559</b>	<b>5,453</b>	<b>3</b>	<b>19,891</b>	<b>863,074</b>	<b>18</b>	<b>9</b>	<b>123</b>

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

**Table No. 5.—Whaling of U.S.S.R. in 1960/61 and summer 1961.**

Geographical areas.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
Antarctic, pelagic whaling. ....	301	4,373	302	1,070	974	<sup>2)</sup> 162	7,182	Barrels. 376,263	—	3	52
South Atlantic Ocean <sup>1)</sup> .....	—	—	—	—	38	—	38	1,706	—	—	—
Kamtchatka, pelagic whaling ..	2	79	314	54	1,868	—	2,317	87,040	—	1	} 26
Kuril Islands.....	15	156	19	52	1,401	<sup>3)</sup> 4	1,647	34,535	4(?)	—	
<b>Total</b>	<b>318</b>	<b>4,608</b>	<b>635</b>	<b>1,176</b>	<b>4,281</b>	<b>166</b>	<b>11,184</b>	<b>499,544</b>	<b>4(?)</b>	<b>4</b>	<b>78</b>

<sup>1)</sup> Floating factory on voyage to the Antarctic whaling grounds. (Catch north of 40° South Lat.). <sup>2)</sup> Minke-whales.  
<sup>3)</sup> 1 Minke-whale and 3 bottlenoses.

**Table No. 6.—Whaling results for the various countries in 1960/61 and summer 1961.**

Countries.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sci.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
Japan .....	1,217	10,435	224	2,559	5,453	<sup>1)</sup> 3	19,891	Barrels 863,074	18	9	123
Norway .....	138	9,987	80	707	1,916	<sup>1)</sup> 1	12,829	754,077	2	8	87
U.S.S.R. ....	318	4,608	635	1,176	4,281	<sup>6)</sup> 166	11,184	499,544	(?)4	4	78
United Kingdom <sup>7)</sup> .	111	3,748	115	1,528	311	—	5,813	306,199	3	2	38
Netherlands .....	50	1,903	10	30	218	<sup>1)</sup> 1	2,212	139,774	—	1	14
South Africa .....	9	823	40	703	1,769	<sup>2)</sup> 8	3,352	88,345	2	—	17
Australia.....	—	—	1,481	—	454	<sup>2)</sup> 2	1,937	85,542	5	—	12
Peru .....	—	—	—	—	3,602	—	3,602	76,644	3	—	8
Chile .....	142	16	3	13	2,160	—	2,334	46,623	3	—	10
Brazil .....	—	10	13	958	102	—	1,083	16,275	2	—	4
Iceland .....	—	142	—	58	150	—	350	15,082	1	—	4
Portugal .....	—	—	4	—	503	—	507	13,899	—	—	—
United States .....	2	118	154	51	113	<sup>3)</sup> 4	442	11,435	5	—	12
Spain.....	—	—	—	—	98	<sup>4)</sup> 94	192	<sup>5)</sup> 5,123	2	—	3
New Zealand.....	—	—	80	1	—	—	81	4,100	2	—	8
Canada .....	—	—	—	1	—	—	1	—	—	—	—
Denmark .....	—	—	1	—	—	—	1	—	—	—	—
<b>Total</b>	<b>1,987</b>	<b>31,790</b>	<b>2,840</b>	<b>7,785</b>	<b>21,130</b>	<b>279</b>	<b>65,811</b>	<b>2,925,736</b>	<b>52</b>	<b>24</b>	<b>418</b>

<sup>1)</sup> Right-whales. <sup>2)</sup> Bryde-whales. <sup>3)</sup> Baird's beaked whales. <sup>4)</sup> Baleen whales, not specified. <sup>5)</sup> Calculated. <sup>6)</sup> 163 minke-whales, and 3 bottlenoses. <sup>7)</sup> Incl. the catch of one British company registered at Falkland Islands.

**Table No. 7.—Average size of whales caught in the summer season 1961.**

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
<b>A. Blue-whales.</b>				
<i>Africa:—</i>				
Natal .....	—	68.00	67.00	67.83
Males 5 } Females 1 } Total 6.				
Cape Province .....	—	65.00	65.00	65.00
Males 1 } Females 2 } Total 3.				
Africa, total .....	—	67.50	65.67	66.89
Males 6 } Females 3 } Total 9.				
<i>Pacific North:—</i>				
California .....	No. 1	65.00	—	65.00
Males 1 } Females 1 } Total 2.	" 2	—	66.00	66.00
Average		65.00	66.00	65.50
North Pacific Ocean and Bering Sea, pelagic .....	—	78.55	79.61	78.90
Males 47 } Females 23 } Total 70.				

Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
Kamtschatka, pelagic. . . . . Males 2.	—	77.50	—	77.50
Kuril Islands. . . . . Males 9 } Total 15. Females 6 }	—	75.00	77.50	76.00
Japan . . . . . Males 1 } Total 3. Females 2 }	No. 1 " 2 " 3	67.00 — —	— 74.00 81.00	67.00 74.00 81.00
Average		67.00	77.50	74.00
Pacific North, total. . . . . Males 60 } Total 92. Females 32 }	—	77.57	78.66	77.95
<i>Chile</i> . . . . . Males 66 } Total 115. Females 49 }	—	69.06	72.27	70.43
<b><u>B. Fin-whales.</u></b>				
<i>Africa:—</i>				
Natal . . . . . Males 276 } Total 609. Females 333 }	—	59.41	61.55	60.58
Cape Province. . . . . Males 110 } Total 201. Females 91 }	—	60.07	61.52	60.73
Africa, total. . . . . Males 386 } Total 810. Females 424 }	—	59.60	61.54	60.61
<i>Brazil</i> . . . . . Males 3 } Total 10. Females 7 }	—	61.33	67.29	65.50
<i>North Atlantic and Arctic:—</i>				
Norway . . . . . Males 83 } Total 162. Females 79 }	No. 1 " 2	57.35 59.24	60.65 61.14	58.93 60.21
Average		57.83	60.78	59.27
Iceland . . . . . Males 65 } Total 142. Females 77 }	--	59.08	59.69	59.41
North Atlantic and Arctic, total Males 148 } Total 304. Females 156 }	—	58.38	60.24	59.34

Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
<i>Pacific North:—</i>		Engl. feet.	Engl. feet.	Engl. feet.
California . . . . .	No. 1	56.64	65.14	60.96
Males 64 } Total 118.	" 2	58.75	61.08	59.70
Females 54 }	Average	58.62	62.31	60.31
North Pacific Ocean and Bering Sea, pelagic . . . . .	—	62.27	64.24	63.25
Males 731 } Total 1,452.				
Females 721 }				
Kamtschatka, pelagic . . . . .	—	58.18	60.91	58.94
Males 57 } Total 79.				
Females 22 }				
Kuril Islands. . . . .	—	59.71	61.98	60.56
Males 96 } Total 154.				
Females 58 }				
Japan . . . . .	No. 1	53.25	52.00	52.56
Males 32 } Total 71.	" 2	59.15	58.00	58.75
Females 39 }	" 3	52.00	51.50	51.67
	" 4	61.11	58.18	59.19
	" 5	53.00	51.33	51.75
Average		57.81	55.69	56.65
Pacific North, total. . . . .	—	61.40	63.52	62.41
Males 980 } Total 1,874.				
Females 894 }				
<i>Chile</i> . . . . .	—	55.50	54.00	55.00
Males 6 } Total 9.				
Females 3 }				
<b><u>C. Humpbacks.</u></b>				
<i>Africa:—</i>				
Natal . . . . .	—	37.90	39.06	38.42
Males 20 } Total 36				
Females 16 }				
Cape Province . . . . .	—	38.00	42.00	39.00
Males 3 } Total 4.				
Females 1 }				
Africa, total . . . . .	—	37.91	39.24	38.48
Males 23 } Total 40.				
Females 17 }				
<i>Brazil</i> . . . . .	No. 1	44.60	43.17	43.82
Males 6 } Total 13.	" 2	43.00	43.00	43.00
Females 7 }	Average	44.33	43.14	43.69
<i>North Atlantic and Arctic:—</i>				
Greenland . . . . .	—	30.00	—	30.00
Male 1.				

Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
<i>Pacific North:—</i>				
California .....	No. 1	39.00	41.86	40.90
Males 32 } Total 62.	„ 2	39.72	39.81	39.76
Females 30 }				
Average		39.56	40.77	40.15
Oregon .....	--	—	49.50	49.50
Females 2.				
North Pacific Ocean and Bering Sea, pelagic .....	--	45.00	44.67	44.78
Males 3 } Total 9.				
Females 6 }				
Kamtschatka, pelagic whaling.	—	41.34	41.25	41.32
Males 225 } Total 314.				
Females 89 }				
Kuril Islands .....	—	38.50	39.29	38.79
Males 12 } Total 19.				
Females 7 }				
Japan .....	No. 1	42.00	—	42.00
Males 3 } Total 4.	„ 2	38.00	46.00	40.67
Females 1 }				
Average		39.33	46.00	41.00
Ryukyu Islands .....	No. 1	41.50	41.64	41.62
Males 31 } Total 90.	„ 2	39.45	40.12	39.87
Females 59 }				
Average		39.58	40.41	40.12
Pacific North, total.....	—	40.88	41.06	40.95
Males 306 } Total 500.				
Females 194 }				
<i>Australia</i> .....	No. 1	38.72	39.06	83.85
Males 877 } Total 1,480. <sup>1)</sup>	„ 2	40.59	40.93	40.69
Females 603 }	„ 3	37.43	38.60	38.01
	„ 4	40.81	41.70	41.06
	„ 5	37.05	38.46	37.71
Average		38.66	39.14	38.85
<i>New Zealand</i> .....	No. 1	41.56	42.56	41.92
Males 50 } Total 80.	„ 2	39.82	39.76	39.80
Females 30 }				
Average		40.38	40.60	40.46
<u>D Sei-whales.</u>				
<i>Africa:—</i>				
Natal .....	—	43.84	45.01	44.36
Males 252 } Total 454.				
Females 202 }				

<sup>1)</sup> In addition one humpback, sex not stated.

Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
Cape Province.....	—	46.61	49.72	48.87
Males 62 } Total 228.				
Females 166 }				
Africa, total.....	—	44.39	47.14	45.87
Males 314 } Total 682.				
Females 368 }				
Brazil:.....	No. 1	49.04	51.93	50.00
Males 567 } Total 958.	„ 2	47.30	48.72	48.00
Females 391 }				
Average		48.34	50.09	49.05
North Atlantic and Arctic:—				
Norway.....	—	41.00	38.40	38.83
Males 1 } Total 6.				
Females 5 }				
Iceland.....	—	42.64	45.67	44.36
Males 25 } Total 58.				
Females 33 }				
Newfoundland.....	—	—	44.00	44.00
Female 1.				
North Atlantic and Arctic, total	—	42.58	44.69	43.85
Males 26 } Total 65.				
Females 39 }				
Pacific North:—				
California.....	No. 1	42.87	47.06	45.67
Males 24 } Total 51.	„ 2	43.87	44.82	44.26
Females 27 }				
Average		43.54	46.15	44.92
North Pacific Ocean and Bering Sea, pelagic.....	—	48.67	52.00	49.50
Males 3 } Total 4.				
Females 1 }				
Kamtchatka, pelagic.....	—	47.47	49.09	47.80
Males 43 } Total 54.				
Females 11 }				
Kuril Islands.....	—	45.59	47.47	46.13
Males 37 } Total 52.				
Females 15 }				
Japan.....	No. 1	40.59	41.39	40.99
Males 399 } Total 781.	„ 2	41.86	42.23	42.05
Females 382 }	„ 3	40.22	42.17	41.16
	„ 4	42.61	43.80	43.20
	„ 5	41.95	42.79	42.31
Average		41.34	42.22	41.77

Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
Pacific North, total.....	—	42.32	42.84	42.56
Males 506 } Total 942				
Females 436 }				
<i>Chile</i> .....	—	44.00	51.00	48.67
Males 1 } Total 3.				
Females 2 }				
<i>New Zealand</i> .....	--	—	49.00	49.00
Females 1				
<b><u>E. Sperm-whales.</u></b>				
<i>Africa</i> :—				
Natal .....	--	39.85	35.44	37.88
Males 550 } Total 994				
Females 444 }				
Cape Province.....	--	39.46	36.16	37.98
Males 416 } Total 756.				
Females 340 }				
Africa, total.....	--	39.68	35.76	37.92
Males 966 } Total 1,750				
Females 784 }				
<i>South Atlantic Ocean, pelagic</i> ...	No. 1	41.25	38.20	40.45
Males 91 } Total 121.	„ 2	37.32	32.79	35.81
Female 30 }	„ 3	42.00	36.25	38.17
	„ 4	47.25	—	47.25
	„ 5	45.96	36.50	45.26
Average		41.88	35.30	40.25
<i>Brazil</i> .....	No. 1	46.50	40.67	43.00
Males 56 } Total 102.	„ 2	43.91	40.77	42.52
Females 46 }				
Average		44.00	40.76	42.54
<i>North Atlantic and Arctic</i> :—				
Azores.....	—	41.10	33.98	39.55
Males 293 } Total 374.				
Females 81 }				
Madeira .....	--	41.69	32.33	39.51
Males 99 } Total 129.				
Females 30 }				
Norway .....	No. 1	48.18	—	48.18
Males 87.	„ 2	47.76	—	47.76
Average		47.82	—	47.82
Iceland .....	—	50.36	—	50.36
Males 150.				

Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
North Atlantic and Arctic, total Males 629 } Total 740. Females 111 }	—	44.33	33.53	42.71
<i>Pacific North</i> :—				
California .....	No. 1	41.83	36.13	39.04
Males 58 } Total 101. Females 43 }	" 2	42.12	35.30	39.59
Average		42.00	35.74	39.34
Oregon .....	—	48.67	—	48.67
Males 3.				
North Pacific Ocean and Bering Sea, pelagic .....	No. 1	45.19	39.69	45.07
Males 1,765 } Total 1,800. Females 35 }	" 2	46.70	—	46.70
Average		45.36	39.69	45.25
Kamtschatka, pelagic .....	—	43.93	38.00	43.92
Males 1,861 } Total 1,866. Females 5 }				
Kuril Islands .....	—	38.36	36.12	37.97
Males 1,142 } Total 1,386. Females 244 }				
Japan .....	No. 1	37.88	36.03	36.96
Males 977 } Total 2,101. Females 1,124 }	" 2	39.99	36.31	37.84
	" 3	37.83	35.38	36.26
	" 4	38.71	35.91	37.54
	" 5	39.56	35.65	37.25
Average		38.56	35.92	37.15
Ryukyu Islands .....	—	39.44	—	39.44
Males 9.				
Pacific North, total .....	—	42.35	36.05	41.09
Males 5,815 } Total 7,266. Females 1,451 }				
<i>Peru</i> .....	—	43.58	32.08	40.58
Males 105 } Total 142. Females 37 }				
<i>Chile</i> .....	—	36.62	32.43	34.59
Males 1,000 } Total 1,946. Females 946 }				
<i>Australia</i> .....	—	43.59	36.00	43.54
Males 451 } Total 454 Females 3 }				



Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
<b><u>F. Right-whales.</u></b>				
<i>Pacific North:—</i>				
North Pacific Ocean and Bering Sea, pelagic .....	—	54.00	—	54.00
Males 3.				
<b><u>G. Bryde-whales.</u></b>				
<i>Africa:—</i>				
Cape Province .....	—	45.83	43.00	45.12
Males 6 } Total 8.				
Females 2 }				
<i>Australia</i> .....	—	35.00	31.00	33.00
Males 1 } Total 2.				
Females 1 }				

**Table No. 8.—Whales caught in the summer season 1961,  
by species, sex, and size.**

**I. Natal.**

**Blue-whales.**

Engl. feet.	Number of		Total animals.	Average size { Males: 68.00 feet Females: 67.00 " Total animals: 67.83 " Per cent { Males: 83.33 Females: 16.67
	males.	females.		
66	1	—	1	
67	2	1	3	
68	1	—	1	
72	1	—	1	
Sum	5	1	6	

**Fin-whales.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
48	2	3	5	69	5	3	8
49	3	—	3	70	4	9	13
50	5	4	9	71	1	11	12
51	1	2	3	72	—	7	7
52	1	4	5	73	2	13	15
53	1	—	1	74	—	5	5
55	39	29	68	75	—	3	3
56	38	49	87	76	—	4	4
57	33	32	65	77	—	1	1
58	23	25	48	79	—	2	2
59	18	15	33	80	—	1	1
60	14	24	38	81	—	1	1
61	14	10	24	Sum	276	333	<sup>1)</sup> 609
62	13	14	27	Average size { Males: 59.41 feet Females: 61.55 " Total animals: 60.58 "			
63	11	7	18	Per cent { Males: 45.32 Females: 54.68			
64	9	16	25				
65	14	12	26				
66	9	8	17				
67	5	6	11				
68	11	13	24				

<sup>1)</sup> In addition 13 fin-whales lost.

**Humpbacks.**

Engl. feet.	Number of		Total animals.	Average size { Males: 37.90 feet Females: 39.06 " Total animals: 38.42 " Per cent { Males: 55.56 Females: 44.44
	males.	females.		
35	3	3	6	
36	2	1	3	
37	3	1	4	
38	5	4	9	
39	3	1	4	
40	2	1	3	
41	1	—	1	
42	1	1	2	
43	—	3	3	
45	—	1	1	
Sum	20	16	36	

Table No. 8 (continued).

## Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	2	—	2	50	4	11	15
36	5	1	6	51	1	5	6
37	3	1	4	52	3	8	11
38	10	4	14	54	—	1	1
39	4	1	5	55	—	2	2
40	31	17	48	Sum	252	202	<sup>1)</sup> 454
41	23	16	39	Average size { Males: 43.84 feet			
42	19	23	42	{ Females: 45.01 "			
43	19	16	35	{ Total animals: 44.36 "			
44	17	17	34	Per cent { Males: 55.51			
45	23	9	32	{ Females: 44.49			
46	25	28	53				
47	28	14	42				
48	19	18	37				
49	16	10	26				

<sup>1)</sup> In addition 21 sei-whales lost.

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
28	—	1	1	47	7	—	7
29	1	2	3	48	10	—	10
30	—	8	8	49	7	—	7
31	2	11	13	50	9	—	9
32	1	9	10	53	3	—	3
33	2	1	3	Sum	550	444	<sup>1)</sup> 994
35	55	168	223	Average size { Males: 39.85 feet			
36	70	170	240	{ Females: 35.44 "			
37	58	64	122	{ Total animals: 37.88 "			
38	50	9	59	Per cent { Males: 55.33			
39	44	1	45	{ Females: 44.67			
40	55	—	55				
41	45	—	45				
42	38	—	38				
43	29	—	29				
44	24	—	24				
45	21	—	21				
46	19	—	19				

<sup>1)</sup> In addition 10 sperm-whales lost.

Table No. 8 (continued).

## 2. Cape Province.

## Blue-whales.

1 male and 2 females. — Average size: Male 65.00 feet, females 65.00 feet.

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
55	11	9	20	72	1	2	3
56	11	10	21	73	—	3	3
57	22	12	34	75	1	1	2
58	13	12	25	76	—	1	1
59	8	4	12	77	—	1	1
60	7	5	12	79	—	1	1
61	4	4	8				
62	2	5	7	Sum	110	91	201
63	8	3	11				
64	5	2	7				
65	2	1	3	Average size	{	Males: 60.07 feet	
66	3	6	9			Females: 61.52 "	
67	4	1	5			Total animals: 60.73 "	
68	3	—	3	Per cent	{	Males: 54.73	
69	2	3	5			Females: 45.27	
70	3	4	7				
71	—	1	1				

## Humpbacks.

35	1	—	1	Average size	{	Males: 38.00 feet		
36	1	—	1				Females: 42.00 "	
42	—	1	1				Total animals: 39.00 "	
43	1	—	1	Per cent	{	Males: 75.00		
Sum	3	1	4				Females: 25.00	

## Sei-whales.

35	—	1	1	51	3	14	17
36	1	1	2	52	5	19	24
37	1	—	1	53	—	15	15
38	1	1	2	54	2	21	23
39	2	3	5	55	2	8	10
40	5	1	6	56	1	8	9
41	3	6	9	Sum	62	166	228
42	2	—	2				
43	3	9	12				
44	1	—	1				
45	3	3	6	Average size	{	Males: 46.61 feet	
46	6	8	14			Females: 49.72 "	
47	4	9	13			Total animals: 48.87 "	
48	4	14	18	Per cent	{	Males: 27.19	
49	7	13	20			Females: 72.81	
50	6	12	18				

Table No. 8 (continued).

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
26	—	1	1	46	9	—	9	
27	—	1	1	47	9	—	9	
28	—	2	2	48	4	—	4	
29	—	1	1	49	2	—	2	
30	1	1	2	50	1	—	1	
31	1	4	5	54	1	—	1	
32	—	1	1	55	1	—	1	
35	38	99	137	56	1	—	1	
36	53	103	156	57	1	—	1	
37	53	66	119	Sum	416	340	1) 756	
38	50	33	83	Average size {	Males:	39.46	feet	
39	48	19	67			Females:	36.16	„
40	36	7	43				Total animals:	37.98
41	33	2	35		Per cent {			Males:
42	25	—	25			Females:		44.97
43	25	—	25					
44	15	—	15					
45	9	—	9					

1) In addition 9 sperm-whales lost.

## Bryde-whales.

43	1	2	3	Average size {	Males:	45.83	feet	
44	2	—	2		Females:	43.00	„	
48	3	—	3			Total animals:	45.12	„
Sum	6	2	8	Per cent {			Males:	75.00
					Females:		25.00	

## 3. Summary Africa.

(Natal and Cape Province.)

## Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
65	1	2	3	Average size {	Males:	67.50	feet
66	1	—	1		Females:	65.67	„
67	2	1	3			Total animals:	66.89
68	1	—	1	Per cent {			Males:
72	1	—	1		Females:		33.33
Sum	6	3	9				

Table No. 8 (continued).

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.		
	males.	females.			males.	females.			
48	2	3	5	69	7	6	13		
49	3	—	3	70	7	13	20		
50	5	4	9	71	1	12	13		
51	1	2	3	72	1	9	10		
52	1	4	5	73	2	16	18		
53	1	—	1	74	—	5	5		
55	50	38	88	75	1	4	5		
56	49	59	108	76	—	5	5		
57	55	44	99	77	—	2	2		
58	36	37	73	79	—	3	3		
59	26	19	45	80	—	1	1		
60	21	29	50	81	—	1	1		
61	18	14	32	Sum	386	424	<sup>1)</sup> 810		
62	15	19	34	Average size	Males: 59.60 feet	Females: 61.54 "	Total animals: 60.61 "		
63	19	10	29					Per cent	Males: 47.65
64	14	18	32						
65	16	13	29						
66	12	14	26						
67	9	7	16						
68	14	13	27						

<sup>1)</sup> In addition 13 fin-whales lost.

## Humpbacks.

35	4	3	7	43	1	3	4		
36	3	1	4	45	—	1	1		
37	3	1	4	Sum	23	17	40		
38	5	4	9	Average size	Males: 37.91 feet	Females: 39.24 "	Total animals: 38.48 "		
39	3	1	4					Per cent	Males: 57.50
40	2	1	3						
41	1	—	1						
42	1	2	3						

## Sei-whales.

35	2	1	3	51	4	19	23		
36	6	2	8	52	8	27	35		
37	4	1	5	53	—	15	15		
38	11	5	16	54	2	22	24		
39	6	4	10	55	2	10	12		
40	36	18	54	56	1	8	9		
41	26	22	48	Sum	314	368	<sup>1)</sup> 682		
42	21	23	44	Average size	Males: 44.39 feet	Females: 47.14 "	Total animals: 45.87 "		
43	22	25	47					Per cent	Males: 46.04
44	18	17	35						
45	26	12	38						
46	31	36	67						
47	32	23	55						
48	23	32	55						
49	23	23	46						
50	10	23	33						

<sup>1)</sup> In addition 21 sei-whales lost.

Table No. 8 (continued).

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
26	—	1	1	46	28	—	28
27	—	1	1	47	16	—	16
28	—	3	3	48	14	—	14
29	1	3	4	49	9	—	9
30	1	9	10	50	10	—	10
31	3	15	18	53	3	—	3
32	1	10	11	54	1	—	1
33	2	1	3	55	1	—	1
35	93	267	360	56	1	—	1
36	123	273	396	57	1	—	1
37	111	130	241	Sum	966	784	1) 1,750
38	100	42	142	Average size {			Males: 39.68 feet
39	92	20	112	{			Females: 35.76 "
40	91	7	98	{			Total animals: 37.92 "
41	78	2	80	Per cent {			Males: 55.20
42	63	—	63	{			Females: 44.80
43	54	—	54				
44	39	—	39				
45	30	—	30				

1) In addition 19 sperm-whales lost.

## Bryde-whales.

43	1	2	3	Average size {			Males: 45.83 feet
44	2	—	2	{			Females: 43.00 "
48	3	—	3	{			Total animals: 45.13 "
Sum	6	2	8	Per cent {			Males: 75.00
				{			Females: 25.00

## 4. South Atlantic Ocean, pelagic.

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

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
28	—	1	1	45	4	—	4
30	—	3	3	46	1	—	1
31	—	1	1	47	7	—	7
32	2	1	3	48	5	—	5
33	3	3	6	49	3	—	3
34	4	3	7	50	5	—	5
35	6	4	10	51	1	—	1
36	4	1	5	53	1	—	1
37	1	—	1	54	1	—	1
38	5	9	14	Sum	91	30	121
39	8	1	9	Average size {			Males: 41.88 feet
40	7	3	10	{			Females: 35.30 "
41	4	—	4	{			Total animals: 40.25 "
42	2	—	2	Per cent {			Males: 75.21
43	7	—	7	{			Females: 24.79
44	10	—	10				

Table No. 8 (continued).

## 5. Brazil.

## Fin-whales.

Engl. feet.	Number of		Total animals.	
	males.	females.		
55	1	—	1	Average size { Males: 61.33 feet Females: 67.29 " Total animals: 65.50 " Per cent { Males: 30.00 Females: 70.00
59	—	1	1	
61	1	—	1	
62	—	1	1	
63	—	1	1	
65	—	1	1	
68	1	—	1	
73	—	1	1	
74	—	1	1	
75	—	1	1	
Sum	3	7	10	

## Humpbacks.

Engl. feet.	Number of		Total animals.	
	males.	females.		
39	2	2	4	Average size { Males: 44.33 feet Females: 43.14 " Total animals: 43.69 " Per cent { Males: 46.15 Females: 53.85
41	—	1	1	
42	1	—	1	
43	1	1	2	
45	—	1	1	
46	—	1	1	
49	—	1	1	
51	1	—	1	
52	1	—	1	
Sum	6	7	13	

## Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
36	3	2	5	53	13	59	72
37	—	1	1	54	4	31	35
38	1	2	3	55	3	18	21
39	—	1	1	56	—	14	14
40	13	15	28	57	—	—	—
41	9	11	20	58	—	1	1
42	5	4	9	Sum	567	391	958
43	19	8	27	Average size { Males: 48.34 feet Females: 50.09 " Total animals: 49.05 " Per cent { Males: 59.19 Females: 40.81			
44	13	7	20				
45	11	6	17				
46	25	11	36				
47	53	8	61				
48	102	15	117				
49	103	32	135				
50	99	34	133				
51	57	55	112				
52	34	56	90				



Table No. 8 (continued).

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
38	—	1	1	51	2	—	2
40	15	19	34	52	3	—	3
41	5	18	23	55	1	—	1
42	7	5	12	Sum	56	46	102
43	4	3	7	Average size { Males: 44.00 feet Females: 40.76 „ Total animals: 42.54 „			
44	4	—	4				
45	7	—	7	Per cent { Males: 54.90 Females: 45.10			
47	1	—	1				
48	3	—	3				
49	2	—	2				
50	2	—	2				

## 6. Azores.

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
20	2	—	2	44	9	—	9
23	2	1	3	45	1	—	1
26	5	5	10	46	52	—	52
28	2	4	6	47	2	—	2
30	20	5	25	48	12	—	12
31	—	3	3	49	41	—	41
32	1	—	1	50	1	—	1
33	23	13	36	51	4	—	4
34	7	4	11	52	9	—	9
35	2	2	4	56	2	—	2
36	42	34	76	Sum	293	81	374
37	2	1	3	Average size { Males: 41.10 feet Females: 33.98 „ Total animals: 39.55 „			
38	6	4	10				
39	14	4	18	Per cent { Males: 78.34 feet Females: 21.66 „			
40	2	1	3				
41	3	—	3				
42	—	—	—				
43	27	—	27				

Table No. 8 (continued).

**7. Madeira.**

4 humpbacks, length and sex not stated.

**Sperm-whales.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
26	6	1	7	45	4	—	4
27	1	1	2	46	2	—	2
28	1	2	3	47	6	—	6
29	1	—	1	48	5	—	5
30	2	2	4	49	3	—	3
31	4	7	11	50	7	—	7
32	5	1	6	51	2	—	2
33	3	4	7	52	7	—	7
34	2	7	9	53	3	—	3
35	2	1	3	54	2	—	2
36	2	3	5	58	1	—	1
37	3	—	3				
38	3	—	3				
39	3	1	4				
40	1	—	1				
41	3	—	3				
42	4	—	4				
43	5	—	5				
44	6	—	6				
				Sum	99	30	129
				Average size	{ Males: 41.69 feet Females: 32.33 " Total animals: 39.51 "		
				Per cent	{ Males: 76.74 Females: 23.26		

**8. Spain.**

Baleen whales,  
not specified: 62 males and 32 females, total 94.

Sperm-whales: 68 " " 30 " " 98.

**9. Norway.****Fin-whales.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
46	1	1	2	66	1	2	3
50	6	3	9	67	1	4	5
51	5	3	8	68	—	8	8
52	4	2	6	69	—	4	4
53	5	3	8	70	—	3	3
54	5	2	7	71	—	1	1
55	4	5	9	72	—	1	1
56	3	7	10				
57	6	3	9				
58	2	5	7				
59	5	—	5				
60	4	1	5				
61	8	5	13				
62	10	5	15				
63	2	2	4				
64	7	5	12				
65	4	4	8				
				Sum	83	79	162
				Average size	{ Males: 57.83 feet Females: 60.78 " Total animals: 59.27 "		
				Per cent	{ Males: 51.23 Females: 48.77		

Table No. 8 (continued).

## Sei-whales.

Engl. feet.	Number of		Total animals.	
	males	females		
35	—	2	2	Average size { Males: 41.00 feet Females: 38.40 „ Total animals: 38.83 „
37	—	1	1	
38	—	1	1	
41	1	—	1	
47	—	1	1	
Sum	1	5	6	Per cent { Males: 16.67 feet Females: 83.33 „

## Sperm-whales.

Engl. feet.	Males.	Engl. feet.	Males.
43	1	51	4
44	6	52	8
45	10	53	1
46	15	54	1
47	19	55	1
48	7	56	—
49	5	57	1
50	8	Sum	1) 87

Average size: Males: 47.82 feet.

1) In addition 1 sperm-whale lost.

## 10. Iceland.

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
45	—	1	1	66	2	3	5
50	1	5	6	67	—	4	4
51	2	2	4	68	—	4	4
52	3	7	10	69	—	2	2
53	6	1	7	70	—	2	2
54	1	3	4	71	—	2	2
55	3	2	5	Sum	65	77	142
56	2	5	7	Average size { Males: 59.08 feet Females: 59.69 „ Total animals: 59.41 „			
57	5	5	10				
58	3	5	8				
59	4	4	8				
60	3	2	5				
61	10	1	11				
62	6	2	8				
63	6	7	13				
64	4	5	9				
65	4	3	7				
				Per cent { Males: 45.27 Females: 54.73			

Table No. 8 (continued).

## Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
37	—	1	1	49	—	3	3
38	1	—	1	50	—	1	1
39	2	1	3	Sum	25	33	58
40	2	1	3	Average size { Males: 42.64 feet Females: 45.67 " Total animals: 44.36 "  Per cent { Males: 43.10 Females: 56.90			
41	1	—	1				
42	3	1	4				
43	7	1	8				
44	4	2	6				
45	4	4	8				
46	1	8	9				
47	—	7	7				
48	—	3	3				

## Sperm-whales.

Engl feet	Males	Engl. feet.	Males
38	1	51	17
41	1	52	13
43	1	53	25
44	5	54	11
45	8	55	7
46	12	56	3
47	7	57	3
48	7	58	1
49	9	Sum	150
50	19		

Average size: Males: 50.36 feet.

## 11. Greenland.

## Humpbacks.

1 male of 30 feet.

## 12. Newfoundland.

## Sei-whales.

1 female of 44 feet.

Table No. 8 (continued).

**13. Summary North Atlantic and Arctic.**  
(Norway, Iceland, Greenland and Newfoundland.)  
**Fin-whales.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
45	—	1	1	65	8	7	15
46	1	1	2	66	3	5	8
50	7	8	15	67	1	8	9
51	7	5	12	68	—	12	12
52	7	9	16	69	—	6	6
53	11	4	15	70	—	5	5
54	6	5	11	71	—	3	3
55	7	7	14	72	—	1	1
56	5	12	17				
57	11	8	19	Sum	148	156	304
58	5	10	15				
59	9	4	13	Average size	Males: 58.38 feet		
60	7	3	10		Females: 60.24 „		
61	18	6	24		Total animals: 59.34 „		
62	16	7	23	Per cent	Males: 48.68		
63	8	9	17		Females: 51.32		
64	11	10	21				

**Humpbacks.**

1 male of 30 feet.

**Sei-whales.**

35	—	2	2	48	—	3	3
37	—	2	2	49	—	3	3
38	1	1	2	50	—	1	1
39	2	1	3	Sum	26	39	65
40	2	1	3				
41	2	—	2	Average size	Males: 42.58 feet		
42	3	1	4		Females: 44.69 „		
43	7	1	8		Total animals: 43.85 „		
44	4	3	7	Per cent	Males: 40.00		
45	4	4	8		Females: 60.00		
46	1	8	9				
47	—	8	8				

**Sperm-whales.**

Engl. feet.	Males	Engl. feet.	Males,
38	1	51	21
41	1	52	21
43	2	53	26
44	11	54	12
45	18	55	8
46	27	56	3
47	26	57	4
48	14	58	1
49	14		
50	27	Sum	<sup>1)</sup> 237

Average size: Males: 49.43 feet.

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

Table No. 8 (continued).

## 14. California.

## Blue-whales.

1 male of 65 feet and 1 female of 66 feet.

Average size: 65.50 feet.

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
50	5	2	7	66	1	3	4	
51	1	—	1	67	—	2	2	
53	3	3	6	68	—	6	6	
54	2	2	4	69	—	3	3	
55	3	2	5	70	—	1	1	
56	1	—	1	72	—	2	2	
57	8	1	9	Sum	64	54	118	
58	7	—	7	Average size { Males: 58.62 feet Females: 62.31 " Total animals: 60.31 " Per cent { Males: 54.24 Females: 45.76				
59	2	2	4					
60	7	8	15					
61	8	—	8					
62	5	6	11					
63	7	7	14					
64	2	1	3					
65	2	3	5					

## Humpbacks.

				Engl. feet.				
								35
36	1	2	3	50	—	2	2	
37	5	1	6	Sum	32	30	62	
38	1	1	2	Average size { Males: 39.56 feet Females: 40.77 " Total animals: 40.15 " Per cent { Males: 51.61 Females: 48.39				
39	3	1	4					
40	4	2	6					
41	3	2	5					
42	3	—	3					
43	4	1	5					
44	2	—	2					
45	—	3	3					
46	1	3	4					

## Sei-whales.

				Engl. feet.				
								35
38	1	1	2	52	—	1	1	
39	—	2	2	Sum	24	27	51	
40	—	1	1	Average size { Males: 43.54 feet Females: 46.15 " Total animals: 44.92 " Per cent { Males: 47.06 Females: 52.94				
41	2	—	2					
42	3	—	3					
43	1	—	1					
44	8	2	10					
45	3	1	4					
46	2	6	8					
47	2	1	3					
48	1	6	7					

Table No. 8 (continued).

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	8	28	36	48	4	—	4
36	4	7	11	49	2	—	2
37	3	5	8	50	2	—	2
38	4	2	6	51	4	—	4
39	4	—	4	Sum	58	43	101
40	5	—	5	Average size { Males: 42.00 feet Females: 35.74 " Total animals: 39.34 " Per cent { Males: 57.43 Females: 42.57			
41	1	—	1				
42	2	—	2				
43	4	—	4				
44	2	1	3				
45	4	—	4				
46	1	—	1				
47	4	—	4				

## 15. Oregon.

## Humpbacks.

1 female of 48 feet and 1 female of 51 feet.

Average size: Females: 49.50 feet.

## Sperm-whales.

1 male of 46 feet, 1 male of 49 feet and 1 male of 51 feet.

Average size: Males: 48.67 feet.

## 16. North Pacific Ocean and Bering Sea, pelagic.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
59	1	—	1	84	1	1	2
70	—	3	3	85	3	2	5
71	1	—	1	86	—	1	1
72	2	1	3	88	1	—	1
74	1	—	1	Sum	47	23	70
75	3	—	3	Average size { Males: 78.55 feet Females: 79.61 " Total animals: 78.90 " Per cent { Males: 67.14 Females: 32.86			
76	2	1	3				
77	5	1	6				
78	5	1	6				
79	7	2	9				
80	7	2	9				
81	5	—	5				
82	2	4	6				
83	1	4	5				

Table No. 8 (continued).

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
51	1	—	1	69	15	47	62
52	—	1	1	70	9	45	54
53	—	1	1	71	5	33	38
54	2	2	4	72	1	18	19
55	18	20	38	73	2	9	11
56	37	26	63	74	—	3	3
57	38	31	69	75	—	3	3
58	40	28	68	76	—	—	—
59	44	30	74	77	—	2	2
60	47	36	83	Sum	731	721	1,452
61	65	42	107	Average size	Males: 62.27 feet Females: 64.24 " Total animals: 63.25 "		
62	78	44	122				
63	80	50	130				
64	75	44	119	Per cent	Males: 50.34 Females: 49.66		
65	54	54	108				
66	62	59	121				
67	29	46	75				
68	29	47	76				

## Humpbacks.

40	1	1	2	Average size	Males: 45.00 feet Females: 44.67 " Total animals: 44.78 "
45	—	2	2		
46	1	3	4		
49	1	—	1	Per cent	Males: 33.33 Females: 66.67
Sum	3	6	9		

## Sei-whales.

44	1	—	1	Average size	Males: 48.67 feet Females: 52.00 " Total animals: 49.50 "
51	2	—	2		
52	—	1	1		
Sum	3	1	4	Per cent	Males: 75.00 Females: 25.00

## Sperm-whales.

36	—	4	4	52	67	—	67
38	25	10	35	53	26	—	26
39	38	3	41	54	11	—	11
40	84	7	91	55	3	—	3
41	142	1	143	56	2	—	2
42	164	4	168	58	1	—	1
43	207	5	212	Sum	1,765	35	1,800
44	137	1	138	Average size	Males: 45.36 feet Females: 39.69 " Total animals: 45.25 "		
45	171	—	171				
46	142	—	142				
47	131	—	131	Per cent	Males: 98.06 Females: 1.94		
48	111	—	111				
49	103	—	103				
50	114	—	114				
51	86	—	86				



Table No. 8 (continued).

**Right-whales.**

1 male of 50 feet and 2 males of 56 feet.

Average size: Males: 54.00 feet.

**17. Kamtchatka, pelagic.****Blue-whales.**

1 male of 72 feet and 1 male of 83 feet.

Average size: Males: 77.50 feet.

**Fin-whales.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
55	9	1	10	69	1	-	1
56	13	4	17	72	-	1	1
57	8	1	9	Sum	57	22	79
58	2	1	3	Average size { Males: 58.18 feet { Females: 60.91 " { Total animals: 58.94 "  Per cent { Males: 72.15 { Females: 27.85			
59	9	3	12				
60	6	1	7				
61	1	2	3				
62	5	3	8				
63	2	-	2				
64	1	1	2				
66	-	3	3				
67	-	1	1				

**Humpbacks.**

33	-	1	1	46	7	3	10
34	-	1	1	47	7	5	12
35	11	4	15	48	12	3	15
36	17	5	22	49	4	-	4
37	10	6	16	Sum	225	89	314
38	12	5	17	Average size { Males: 41.34 feet { Females: 41.25 " { Total animals: 41.32 "  Per cent { Males: 71.66 { Females: 28.34			
39	22	2	24				
40	23	13	36				
41	21	14	35				
42	25	4	29				
43	24	6	30				
44	15	8	23				
45	15	9	24				

**Sei-whales.**

37	1	-	1	50	4	1	5
40	1	-	1	51	10	3	13
41	2	1	3	52	4	3	7
42	1	-	1	Sum	43	11	54
43	2	1	3	Average size { Males: 47.47 feet { Females: 49.09 " { Total animals: 47.80 "  Per cent { Males: 79.63 { Females: 20.37			
44	4	-	4				
45	1	-	1				
46	5	-	5				
47	2	-	2				
48	3	1	4				
49	3	1	4				

Table No. 8 (continued).

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
36	1	—	1	50	110	—	110
38	210	5	215	51	87	—	87
39	190	—	190	52	17	—	17
40	131	—	131	53	10	—	10
41	136	—	136	54	2	—	2
42	96	—	96	Sum	1,861	5	<sup>1)</sup> 1,866
43	173	—	173	Average size { Males: 43.93 feet			
44	107	—	107	{ Females: 38.00 "			
45	99	—	99	{ Total animals: 43.92 "			
46	123	—	123	Per cent { Males: 99.73			
47	95	—	95	{ Females: 0.27			
48	121	—	121				
49	153	—	153				

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

## 18. Kuril Islands.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Average size { Males: 75.00 feet
	males.	females.		
70	1	—	1	Total animals: 76.00 "
73	1	—	1	Per cent { Males: 60.00
74	1	1	2	{ Females: 40.00
75	1	1	2	
76	2	—	2	
77	3	2	5	
80	—	1	1	
82	—	1	1	
Sum	9	6	15	

## Fin-whales.

55	14	5	19	69	1	—	1
56	12	3	15	72	1	—	1
57	7	7	14	74	—	2	2
58	7	3	10	75	—	1	1
59	8	3	11	Sum	96	58	<sup>1)</sup> 154
60	8	2	10	Average size { Males: 59.71 feet			
61	12	3	15	{ Females: 61.98 "			
62	4	3	7	{ Total animals: 60.56 "			
63	7	3	10	Per cent { Males: 62.34			
64	10	9	19	{ Females: 37.66			
65	1	4	5				
66	2	5	7				
67	2	5	7				

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

Table No. 8 (continued).

## Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	1	1	2	Average size { Males: 38.50 feet Females: 39.29 " Total animals: 38.79 "	Per cent { Males: 63.16 Females: 36.84		
36	2	—	2				
37	3	1	4				
38	2	—	2				
39	1	2	3				
41	—	2	2				
42	1	—	1				
43	1	1	2				
44	1	—	1				
Sum	12	7	19				

## Sei-whales.

36	1	—	1	52	1	—	1
40	1	—	1	53	1	1	2
41	4	1	5	54	2	—	2
42	2	—	2	55	—	1	1
43	5	2	7	Sum	37	15	52
44	3	1	4	Average size { Males: 45.59 feet Females: 47.47 " Total animals: 46.13 "	Per cent { Males: 71.15 Females: 28.85		
45	2	1	3				
46	6	1	7				
47	1	1	2				
48	3	1	4				
49	4	3	7				
50	1	2	3				

## Sperm-whales.

32	1	—	1	48	9	—	9
33	2	—	2	49	10	—	10
34	2	1	3	50	15	—	15
35	282	106	388	51	9	—	9
36	213	62	275	52	6	—	6
37	159	44	203	53	8	—	8
38	99	14	113	54	2	—	2
39	92	10	102	Sum	1,142	244	<sup>1)</sup> 1,386
40	45	5	50	Average size { Males: 38.36 feet Females: 36.12 " Total animals: 37.97 "	Per cent { Males: 82.40 Females: 17.60		
41	46	—	46				
42	36	—	36				
43	37	1	38				
44	25	—	25				
45	23	1	24				
46	11	—	11				
47	10	—	10				

<sup>1)</sup> In addition 15 sperm-whales lost.

Table No. 8 (continued).

## 19. Japan.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Average size	Per cent
	males.	females.			
67	1	—	1	Males: 67.00 feet Females: 77.50 „ Total animals: 74.00 „	Males: 33.33 Females: 66.67
74	—	1	1		
81	—	1	1		
Sum	1	2	3		

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
50	1	3	4	64	3	2	5
51	5	10	15	65	1	1	2
52	1	6	7	66	—	2	2
53	5	4	9	67	—	1	1
54	2	—	2	68	1	—	1
55	—	1	1	69	1	—	1
56	1	—	1	Sum	32	39	71
57	1	1	2	Average size { Males: 57.81 feet Females: 55.69 „ Total animals: 56.65 „	Per cent { Males: 45.07 Females: 54.93		
58	2	1	3				
59	—	2	2				
60	2	—	2				
61	—	3	3				
62	1	1	2				
63	5	1	6				

## Humpbacks.

38	2	—	2	Average size { Males: 39.33 feet Females: 46.00 „ Total animals: 41.00 „
42	1	—	1	
46	—	1	1	
Sum	3	1	4	Per cent { Males: 75.00 Females: 25.00

## Sei-whales.

35	37	36	73	49	6	8	14
36	30	17	47	50	—	20	20
37	16	15	31	51	—	5	5
38	24	25	49	52	—	3	3
39	22	18	40	53	—	1	1
40	33	20	53	Sum	399	382	1) 781
41	35	33	68	Average size { Males: 41.34 feet Females: 42.22 „ Total animals: 41.77 „	Per cent { Males: 51.09 Females: 48.91		
42	29	24	53				
43	38	35	73				
44	35	40	75				
45	42	33	75				
46	30	28	58				
47	10	13	23				
48	12	8	20				

1) In addition 1 sei-whale lost.

Table No. 8 (continued).

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
28	—	1	1	47	16	—	16
29	—	1	1	48	18	—	18
30	—	2	2	49	8	—	8
31	—	3	3	50	9	—	9
32	1	—	1	51	5	—	5
33	3	13	16	52	5	—	5
34	3	6	9	53	4	—	4
35	173	490	663	54	3	—	3
36	187	325	512	55	3	—	3
37	155	165	320	57	1	—	1
38	114	65	179				
39	84	33	117	Sum	977	1,124	2,101
40	74	13	87				
41	24	4	28	Average size	{ Males: 38.56 feet Females: 35.92 " Total animals: 37.15 "		
42	25	—	25	Per cent	{ Males: 46.50 Females: 53.50		
43	20	1	21				
44	16	1	17				
45	11	—	11				
46	15	1	16				

## 20. Ryukyu Islands.

## Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
34	1	—	1	46	—	2	2
35	3	5	8	47	—	4	4
36	2	8	10	50	—	1	1
37	3	4	7	Sum	31	59	90
38	3	7	10				
39	3	3	6	Average size	{ Males: 39.58 feet Females: 40.41 " Total animals: 40.12 "		
40	2	3	5	Per cent	{ Males: 34.44 Females: 65.56		
41	4	6	10				
42	4	5	9				
43	3	3	6				
44	2	5	7				
45	1	3	4				

## Sperm-whales.

Engl. feet.	Males.	Engl. feet.	Males.
37	1	41	1
38	3	45	1
39	2		
40	1	Sum	9

Average size: Males: 39.44 feet.

Table No. 8 (continued).

**21. Summary Pacific North.**

(California, Oregon, North Pacific Ocean and Bering Sea, Kamtchatka, Kuril Islands, Japan and Ryukyu Islands.)

**Blue-whales.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
59	1	—	1	81	5	1	6
65	1	—	1	82	2	5	7
66	—	1	1	83	2	4	6
67	1	—	1	84	1	1	2
70	1	3	4	85	3	2	5
71	1	—	1	86	—	1	1
72	3	1	4	88	1	—	1
73	1	—	1	Sum	60	32	92
74	2	2	4	Average size			{ Males: 77.57 feet
75	4	1	5				{ Females: 78.66 „
76	4	1	5				{ Total animals: 77.95 „
77	8	3	11	Per cent			{ Males: 65.22
78	5	1	6				{ Females: 34.78
79	7	2	9				
80	7	3	10				

**Fin-whales.**

50	6	5	11	68	30	53	83
51	7	10	17	69	18	50	68
52	1	7	8	70	9	46	55
53	8	8	16	71	5	33	38
54	6	4	10	72	2	21	23
55	44	29	73	73	2	9	11
56	64	33	97	74	—	5	5
57	62	41	103	75	—	4	4
58	58	33	91	77	—	2	2
59	63	40	103	Sum	980	894	1) 1,874
60	70	47	117	Average size			{ Males: 61.40 feet
61	86	50	136				{ Females: 63.52 „
62	93	57	150				{ Total animals: 62.41 „
63	101	61	162	Per cent			{ Males: 52.29
64	91	57	148				{ Females: 47.71
65	58	62	120				
66	65	72	137				
67	31	55	86				

1) In addition 2 fin-whales lost.

**Humpbacks.**

33	—	1	1	46	9	12	21
34	1	1	2	47	7	9	16
35	20	19	39	48	12	7	19
36	22	15	37	49	5	—	5
37	21	12	33	50	—	3	3
38	20	13	33	51	—	1	1
39	29	8	37	Sum	306	194	500
40	30	19	49	Average size			{ Males: 40.88 feet
41	28	24	52				{ Females: 41.06 „
42	34	9	43				{ Total animals: 40.95 „
43	32	11	43	Per cent			{ Males: 61.20
44	20	13	33				{ Females: 38.80
45	16	17	33				

Table No. 8 (continued).

## Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	38	36	74	49	13	18	31
36	31	17	48	50	5	23	28
37	17	15	32	51	12	8	20
38	25	26	51	52	5	8	13
39	22	20	42	53	1	2	3
40	35	21	56	54	2	-	2
41	43	35	78	55	-	1	1
42	35	24	59	Sum	506	436	<sup>1)</sup> 942
43	46	38	84	Average size	{	Males:	42.32 feet
44	51	43	94			Females:	42.84 „
45	48	35	83			Total animals:	42.56 „
46	43	35	78	Per cent	{	Males:	53.72
47	15	15	30			Females:	46.28
48	19	16	35				

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

## Sperm-whales.

28	-	1	1	48	264	-	264
29	-	1	1	49	277	-	277
30	-	2	2	50	250	-	250
31	-	3	3	51	191	-	191
32	2	-	2	52	95	-	95
33	5	13	18	53	48	-	48
34	5	7	12	54	18	-	18
35	463	624	1,087	55	6	-	6
36	405	398	803	56	2	-	2
37	318	214	532	57	1	-	1
38	455	96	551	58	1	-	1
39	410	46	456	Sum	5,815	1,451	<sup>1)</sup> 7,266
40	340	25	365	Average size	{	Males:	42.35 feet
41	350	5	355			Females:	36.05 „
42	323	4	327			Total animals:	41.09 „
43	441	7	448	Per cent	{	Males:	80.03
44	287	3	290			Females:	19.97
45	309	1	310				
46	293	1	294				
47	256	-	256				

<sup>1)</sup> In addition 17 sperm-whales lost.

## Right-whales.

1 male of 50 feet and 2 males of 56 feet.

Average size: Males: 54.00 feet.

Table No. 8 (continued).

## 22. Peru.

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.			
	males.	females.			males.	females.				
30	6	10	16	49	2	—	2			
31	—	1	1	50	8	—	8			
32	5	13	18	51	2	—	2			
33	2	2	4	52	7	—	7			
34	8	11	19	53	2	—	2			
35	2	—	2	54	6	—	6			
36	8	—	8	55	3	—	3			
37	2	—	2	56	7	—	7			
38	3	—	3	57	—	—	—			
39	—	—	—	58	1	—	1			
40	7	—	7	Sum	105	37	<sup>1)</sup> 142			
41	1	—	1	Average size {	Males: 43.58 feet	Females: 32.08 "	Total animals: 40.58 "			
42	6	—	6					Per cent {	Males: 73.94	Females: 26.06
43	2	—	2							
44	4	—	4							
45	4	—	4							
46	3	—	3							
47	2	—	2							
48	2	—	2							

<sup>1)</sup> In addition 3,460 sperm-whales caught, sex and length not stated.

## 23. Chile.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.			
	males.	females.			males.	females.				
54	1	—	1	73	6	6	12			
57	1	—	1	74	1	5	6			
59	3	1	4	75	6	6	12			
61	1	1	2	76	1	5	6			
63	1	—	1	77	1	4	5			
64	1	2	3	83	—	1	1			
65	2	—	2	85	—	1	1			
66	6	2	8	Sum	66	49	<sup>1)</sup> 115			
67	2	1	3	Average size {	Males: 69.06 feet	Females: 72.27 "	Total animals: 70.43 "			
68	11	4	15					Per cent {	Males: 57.39	Females: 42.61
69	5	1	6							
70	2	2	4							
71	6	5	11							
72	9	2	11							

<sup>1)</sup> In addition 27 blue-whales caught, length and sex not stated.



Table No. 8 (continued).

## Fin-whales.

Engl. feet.	Number of		Total animals.	
	males.	females.		
49	1	—	1	Average size { Males: 55.50 feet Females: 54.00 „ Total animals: 55.00 „
51	—	1	1	
54	1	—	1	
55	—	1	1	
56	1	1	2	
57	1	—	1	
58	1	—	1	
59	1	—	1	
Sum	6	3	1) 9	

1) In addition 7 fin-whales caught, length and sex not stated.

## Humpbacks.

3 humpbacks caught, length and sex not stated.

## Sei-whales.

Engl. feet.	Number of		Total animals.	
	males.	females.		
44	1	—	1	Average size { Males: 44.00 feet Females: 51.00 „ Total animals: 48.62 „
48	—	1	1	
54	—	1	1	
Sum	1	2	1) 3	Per cent { Males: 33.33 Females: 66.67

1) In addition 10 sei-whales caught, length and sex not stated.

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
21	1	—	1	44	18	—	18
23	—	2	2	45	12	—	12
25	4	5	9	46	18	—	18
26	7	12	19	47	19	—	19
27	10	19	29	48	8	—	8
28	17	25	42	49	3	—	3
29	21	29	50	50	5	—	5
30	46	99	145	51	3	—	3
31	50	128	178	52	3	—	3
32	56	162	218	53	8	—	8
33	57	135	192	54	—	—	—
34	83	162	245	55	4	—	4
35	88	70	158	Sum	1,000	946	1) 1,946
36	90	47	137	Average size { Males: 36.62 feet Females: 32.43 „ Total animals: 34.59 „			
37	90	30	120				
38	79	13	92				
39	78	6	84				
40	33	2	35				
41	33	—	33				
42	21	—	21				
43	35	—	35				
					Per cent { Males: 51.39 Females: 48.61		

1) In addition 214 sperm-whales caught, length and sex not stated.

Table No. 8 (continued).

**24. Australia.**  
**Humpbacks.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
30	2	—	2	45	12	30	42
32	5	4	9	46	5	7	12
33	4	8	12	47	1	6	7
34	10	4	14	48	1	6	7
35	104	74	178	49	—	1	1
36	95	60	155	50	—	2	2
37	108	71	179	Sum	877	603	<sup>1)</sup> 1,480
38	126	71	197	Average size { Males: 38.66 feet Females: 39.14 " Total animals: 38.85 "			
39	101	69	170				
40	87	51	138	Per cent { Males: 59.26 Females: 40.74			
41	72	37	109				
42	81	50	131				
43	43	29	72				
44	20	23	43				

<sup>1)</sup> In addition 1 humpback, length and sex not stated.

**Sperm-whales.**

34	2	—	2	49	15	—	15
35	4	2	6	50	11	—	11
36	12	—	12	51	9	—	9
37	10	—	10	52	5	—	5
38	15	1	16	53	1	—	1
39	19	—	19	Sum	451	3	454
40	31	—	31	Average size { Males: 43.59 feet Females: 36.00 " Total animals: 43.54 "			
41	34	—	34				
42	42	—	42	Per cent { Males: 99.34 Females: 0.66			
43	51	—	51				
44	53	—	53				
45	34	—	34				
46	40	—	40				
47	35	—	35				
48	28	—	28				

**Bryde-whales.**

1 female of 31 feet and 1 male of 35 feet. Average size: 33.00 feet.

**25. New Zealand.**  
**Humpbacks.**

35	3	—	3	46	—	1	1
36	5	2	7	48	—	1	1
37	4	4	8	Sum	50	30	80
38	3	6	9	Average size { Males: 40.38 feet Females: 40.60 " Total animals: 40.46 "			
39	1	3	4				
40	5	—	5	Per cent { Males: 62.50 Females: 37.50			
41	10	1	11				
42	4	3	7				
43	8	4	12				
44	4	5	9				
45	3	—	3				

**Sei-whales.**

1 female of 49 feet.

**Table No. 9.—Average production of oil per “blue-whale unit” in the summer season 1961.**

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

Geographical areas.	Company.	Blue-whale equivalents.	Oil production.	
			Total.	Average per blue-whale equivalent.
			Barrels. <sup>1)</sup>	Barrels. <sup>1)</sup>
<i>Africa:—</i>				
Natal .....	No. 1	400.6	35,793	89.3
Cape Province .....	„ 1	144.4	11,647	80.7
Total		545.0	47,440	87.0
<i>Brazil.....</i>				
	No. 1	81.3	7,605	93.5
	„ 2	88.6	6,435	72.6
Total		169.9	14,040	82.6
<i>North Atlantic and Arctic:—</i>				
Madeira .....	No. 1	1.6	211	131.9
Spain .....	„ 1	<sup>2)</sup> —	<sup>3)</sup> (954)	—
	„ 2	<sup>2)</sup> —	<sup>3)</sup> (1,537)	—
Norway .....	„ 1	60.5	4,415	73.0
	„ 2	21.5	1,124	52.3
Iceland .....	„ 1	80.7	6,135	76.0
Total		164.3	11,885	72.3
<i>Pacific North:—</i>				
California .....	No. 1	41.9	3,593	85.8
	„ 2	52.4	3,781	72.1
Oregon .....	„ 1	0.8	24	30.0
Bering Sea, pelagic .....	„ 1	801.8	74,294	92.7
Kamtschatka, pelagic .....	„ 1	176.1	11,194	63.6
Kuril Islands .....	„ 1	108.3	6,694	61.8
Japan .....	„ 1	55.4	2,183	39.4
	„ 2	45.4	1,857	40.9
	„ 3	18.5	815	44.1
	„ 4	32.8	1,457	44.4
	„ 5	18.2	780	42.9
Ryukyu Islands .....	„ 1	5.2	332	63.8
	„ 2	30.8	1,666	54.1
Total		1,387.6	108,670	78.3
<i>Chile .....</i>				
	No. 1	120.0	7,075	59.0
	„ 2	33.4	1,661	49.7
Total		153.4	8,736	56.9
<i>Australia .....</i>				
	No. 1	236.4	25,300	107.0
	„ 2	56.0	6,867	122.6
	„ 3	42.0	5,043	120.1
	„ 4	68.0	7,548	111.0
	„ 5	190.3	21,850	114.8
Total		592.7	66,608	112.4
<i>New Zealand.....</i>				
	No. 1	10.2	1,470	144.1
	„ 2	22.0	2,630	119.5
Total		32.2	4,100	127.3

<sup>1)</sup> Barrel = 170 kg. (Barrel = abt. ¼ long ton, 1 long ton = 1,016 kg.) <sup>2)</sup> The baleen whales are not specified. <sup>3)</sup> Calculated.

**Table No. 10.—Average production of oil per sperm-whale  
in the summer season 1961.**

Geographical areas.	Company.	Number of sperm-whales.	Oil production.	
			Total.	Average per sperm-whale.
<i>Africa:—</i>				
Natal .....	No. 1	994	25,131	25.3
Cape Province .....	" 1	756	15,774	20.9
Total		1,750	40,905	23.4
<i>South Atlantic Ocean, pelagic....</i>				
	No. 1	8	305	38.1
	" 2	38	1,706	44.9
	" 3	6	102	17.0
	" 4	42	700	16.7
	" 5	27	842	31.2
Total		121	3,655	30.2
<i>Brazil .....</i>				
	No. 1	5	24	4.8
	" 2	97	2,211	22.8
Total		102	2,235	21.9
<i>North Atlantic and Arctic:—</i>				
Azores .....	No. 1	374	10,534	28.2
Madeira .....	" 1	129	3,154	24.4
Spain .....	" 1	38	<sup>2)</sup> 1,021	26.9
	" 2	60	<sup>2)</sup> 1,611	26.9
Norway .....	" 1	11	586	53.3
	" 2	76	2,705	35.6
Iceland .....	" 1	150	8,947	59.6
Total		838	28,558	34.1
<i>Pacific North:—</i>				
California .....	No. 1	47	644	13.7
	" 2	54	1,130	20.9
Oregon .....	" 1	3	82	27.3
Bering Sea, pelagic .....	" 1	1,600	67,647	42.3
	" 2	200	9,118	45.6
Kamtchatka, pelagic .....	" 1	1,866	75,846	40.7
Kuril Islands .....	" 1	1,386	27,841	20.1
Japan .....	" 1	850	15,654	18.4
	" 2	414	8,108	19.6
	" 3	302	4,771	15.8
	" 4	300	4,596	15.3
	" 5	235	4,444	18.9
Ryukyu Islands .....	" 1	9	183	20.3
Total		7,266	220,064	30.3
<i>Peru .....</i>				
	No. 1	2,260	44,706	19.8
	" 2	142	2,526	17.8
	" 3	1,200	29,412	24.5
Total		3,602	76,644	21.3
<i>Chile .....</i>				
	No. 1	1,946	32,011	16.4
	" 2	214	5,876	27.5
Total		2,160	37,887	17.5
<i>Australia .....</i>				
	No. 1	454	18,934	41.7

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

Table No. 11.—Whale foetuses measured in the summer season 1961.

## Blue-whale foetuses.

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
<i>Bering Sea</i> Average length of foetuses: 13' 5"	14/7	79	7' 10"	F	<i>Chile</i> Average length of foetuses: 12' 3"	8/1	83	13' 1"	F
	20/7	83	15' 0"	M		14/1	77	13' 5"	F
	5/8	83	12' 10"	F		15/1	76	16' 3"	M
	14/8	78	17' 2"	M		20/1	74	8' 6"	?
	17/8	85	14' 2"	F		1/2	73	10' 2"	F
					3/2	77	11' 9"	F	
					5/2	77	12' 10"	M	

## Fin-whale foetuses.

<i>Natal</i>	12/8	77	14' 0"	F	<i>Bering Sea</i> (cont.).	5/6	61	5' 3"	M
<i>Cape Province</i> Average length of foetuses: 4' 0"	27/6	58	9' 6"	F		"	63	3' 11"	F
	1/7	57	3' 6"	M		"	66	4' 6"	M
	4/7	60	2' 0"	M		"	67	2' 2"	F
	27/8	73	0' 2"	F		"	67	4' 7"	F
	21/9	57	5' 0"	F		"	71	1' 8"	F
<i>Norway</i> Average length of foetuses: 7' 3"						"	64	5' 5"	F
	1/6	69	2' 3"	F		6/6	68	3' 7"	F
	9/6	68	2' 7"	F		"	64	5' 7"	M
	11/7	57	3' 0"	F		7/6	66	3' 10"	M
	13/7	70	9' 0"	F		"	61	1' 6"	F
	15/9	68	12' 0"	F		"	66	3' 2"	F
	27/9	64	8' 0"	F		"	69	6' 4"	F
	8/10	70	14' 0"	M		"	69	5' 9"	F
						8/6	65	5' 3"	M
						"	61	3' 5"	M
<i>Iceland</i> Average length of foetuses: 6' 9"						"	69	0' 4"	?
	27/6	71	2' 6"	F		"	64	3' 11"	F
	28/6	60	7' 0"	F		9/6	64	2' 7"	M
	9/8	70	3' 0"	M	"	70	6' 8"	M	
	18/8	65	4' 0"	F	"	63	4' 11"	M	
	29/8	68	12' 0"	M	11/6	63	3' 10"	F	
	21/9	69	12' 0"	F	"	67	3' 8"	M	
					12/6	63	3' 6"	F	
<i>California</i> Average length of foetuses: 4' 11"					"	71	3' 7"	M	
	8/5	65	3' 4"	F	"	65	5' 8"	M	
	18/5	62	3' 4"	M	"	66	4' 8"	M	
	23/5	66	4' 2"	M	"	67	5' 4"	F	
	26/5	67	4' 3"	M	"	71	2' 11"	M	
					13/6	66	3' 8"	M	
	4/7	72	5' 11"	M	"	64	5' 11"	M	
	"	68	6' 5"	M	"	59	3' 6"	M	
	"	68	5' 3"	M	"	62	4' 2"	F	
	31/7	69	10' 0"	F	"	66	3' 6"	F	
	8/8	64	3' 7"	M	14/6	70	6' 4"	M	
	13/8	68	6' 8"	F	17/6	60	2' 11"	F	
					"	68	9' 6"	M	
<i>Japan</i>	26/6	61	14' 5"	M	"	68	5' 0"	F	
					"	70	4' 7"	M	
					18/6	70	6' 3"	M	
<i>Bering Sea</i> Average length of foetuses: 6' 6"					"	63	2' 2"	M	
	5/6	61	5' 1"	F	19/6	65	6' 4"	F	
	"	65	5' 4"	M	"	66	5' 1"	F	
	"	64	4' 5"	M	20/6	68	3' 8"	M	

Table No. 11 (continued).

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
<i>Bering Sea</i> (cont.).		Engl. ft.	Engl. ft.		<i>Bering Sea</i> (cont.).		Engl. ft.	Engl. ft.	
	21/6	65	4' 1"	M		6/7	64	6' 8"	M
	"	66	8' 11"	M		7/7	63	3' 8"	F
	"	63	0' 1"	?		"	60	6' 7"	M
	22/6	64	7' 2"	F		"	64	3' 8"	M
	"	64	6' 2"	F		8/7	67	9' 9"	F
	"	71	5' 1"	M		9/7	68	7' 7"	M
	"	70	4' 4"	M		"	66	3' 8"	F
	23/6	70	3' 3"	M		"	69	6' 2"	M
	"	66	5' 5"	M		"	64	1' 0"	M
	"	67	5' 11"	F		10/7	71	9' 10"	F
	"	62	4' 7"	M		"	62	6' 11"	M
	"	71	7' 5"	F		"	66	5' 9"	F
	24/6	65	3' 0"	M		11/7	62	4' 11"	M
	"	66	4' 5"	M		"	70	9' 9"	M
	"	63	4' 4"	F		"	63	10' 3"	F
	"	77	5' 5"	F		"	68	7' 6"	F
	25/6	66	5' 1"	M		"	72	4' 11"	F
	"	64	4' 1"	M		"	65	8' 6"	F
	"	64	5' 10"	F		12/7	71	7' 5"	M
	"	64	4' 7"	M		"	70	3' 3"	M
	"	66	5' 11"	M		15/7	67	4' 6"	F
	"	64	2' 4"	F		"	65	2' 7"	F
	"	68	5' 11"	M		16/7	71	9' 7"	F
	26/6	66	4' 7"	F		"	67	9' 2"	M
	"	65	6' 11"	F		"	66	8' 8"	F
	"	67	5' 8"	M		17/7	64	3' 5"	M
	27/6	64	3' 5"	M		"	71	2' 11"	M
	28/6	63	4' 9"	M		"	70	7' 6"	M
	"	62	4' 8"	M		"	68	4' 7"	M
	"	64	5' 6"	F		"	69	5' 8"	F
	30/6	69	3' 8"	F		"	71	7' 7"	M
	"	61	3' 4"	F		"	72	5' 11"	F
	"	67	6' 9"	F		"	69	3' 6"	F
	"	67	4' 2"	M		18/7	70	7' 5"	M
	2/7	66	6' 5"	F		"	69	4' 7"	M
	"	68	6' 10"	M		"	68	9' 6"	M
	"	62	4' 7"	M		19/7	69	8' 0"	M
	"	70	6' 0"	F		"	66	6' 9"	F
	"	65	5' 3"	F		21/7	66	5' 5"	F
	"	68	8' 10"	F		"	67	3' 8"	M
	"	69	7' 9"	F		22/7	70	6' 7"	F
	"	65	6' 11"	M		"	74	8' 1"	M
	3/7	66	6' 8"	M		"	69	9' 1"	M
	"	70	7' 1"	F		23/7	70	8' 0"	M
	"	65	6' 10"	M		24/7	68	9' 0"	F
	4/7	66	6' 3"	M		"	71	8' 10"	F
	"	65	5' 11"	F		25/7	66	7' 3"	F
	"	69	6' 3"	F		"	71	4' 2"	M
	"	68	2' 11"	M		"	72	9' 5"	M
"	68	6' 3"	M	26/7	71	9' 3"	M		
"	65	5' 7"	M	"	72	5' 10"	M		
"	66	5' 9"	F	"	68	3' 8"	F		
5/7	63	0' 9"	F	27/7	61	8' 3"	M		
"	60	4' 11"	M	"	72	10' 2"	F		
"	67	5' 5"	F	"	67	7' 11"	F		
6/7	71	4' 9"	M	"	70	6' 3"	M		
"	66	4' 7"	M	"	70	9' 9"	M		
"	66	7' 6"	F	28/7	75	6' 4"	F		

Table No. 11 (continued).

Geographical areas.	Date when measured.	Length		Sex.	Geographical areas.	Date when measured.	Length		Sex.
		Mother	Foetus.				Mother.	Foetus.	
		Engl. ft.	Engl. ft.				Engl. ft.	Engl. ft.	
<i>Bering Sea</i> (cont.).	28/7	66	10' 0"	F	<i>Bering Sea</i> (cont.).	12/8	68	7' 0"	F
	"	66	9' 4"	F		13/8	64	8' 3"	F
	30/7	68	7' 2"	M		"	65	3' 7"	F
	3/8	64	6' 3"	F		"	71	7' 11"	M
	"	72	3' 7"	F		14/8	68	10' 9"	M
	"	71	5' 6"	F		"	69	6' 2"	F
	"	71	4' 7"	M		"	67	6' 2"	F
	"	69	8' 0"	F		"	68	4' 8"	F
	"	69	6' 7"	F		"	68	5' 1"	F
	"	69	8' 1"	F		"	69	8' 0"	F
	4/8	73	3' 8"	F		"	66	8' 5"	M
	5/8	63	9' 7"	M		"	68	8' 8"	M
	"	69	11' 11"	F		"	72	11' 3"	M
	"	64	8' 8"	M		"	69	8' 10"	M
	"	66	5' 10"	F		13/8	73	10' 4"	M
	"	70	10' 1"	M		"	61	8' 1"	F
	"	70	7' 11"	F		"	70	9' 9"	F
	6/8	64	7' 8"	F		"	68	10' 10"	M
	"	73	9' 5"	F		16/8	66	9' 3"	F
	"	70	3' 7"	F		"	66	8' 1"	F
	"	67	4' 7"	F		"	69	7' 10"	M
	"	70	10' 2"	M		"	68	6' 11"	F
	"	64	8' 11"	F		"	66	11' 6"	M
	7/8	67	10' 1"	F		17/8	66	8' 11"	F
	"	68	12' 1"	M		"	69	9' 9"	M
	"	71	5' 8"	F		"	66	7' 1"	F
	"	65	8' 4"	M		"	71	5' 2"	F
	"	70	7' 11"	F		"	72	11' 1"	F
	"	71	6' 5"	M		"	67	5' 1"	F
	"	65	5' 11"	M		"	65	10' 4"	F
	8/8	64	6' 11"	M		"	73	9' 4"	F
	"	64	8' 10"	F		18/8	69	7' 9"	F
	"	70	8' 10"	F		"	69	6' 2"	M
	"	67	10' 2"	F		19/8	67	9' 3"	M
	9/8	63	10' 11"	F		"	70	11' 7"	M
	"	65	6' 7"	M		"	63	10' 5"	F
	10/8	69	9' 0"	M		"	72	8' 8"	F
	"	67	8' 9"	M		20/8	72	10' 8"	M
	"	65	10' 3"	F		"	70	14' 0"	M
	"	64	8' 6"	M		"	68	9' 9"	M
	"	61	2' 3"	M		"	64	7' 4"	M
	"	71	3' 5"	M		21/8	71	10' 6"	F
	11/8	69	11' 8"	F		"	67	13' 5"	F
	"	70	8' 10"	F		"	73	9' 10"	F
	"	73	11' 1"	M		"	63	10' 5"	F
	"	72	9' 9"	M		"	69	9' 6"	F
	12/8	70	4' 2"	F					
"	69	3' 4"	F	<i>Kuril Islands</i>	10/4	64	6' 7"	M	

## Humpback foetuses.

<i>Natal</i>	15/8	43	15' 0"	M	<i>California</i>	1/5	41	0' 3"	M
<i>Cape Province</i>	6/8	42	1' 4"	M	Average length of foetuses: 0' 4 $\frac{1}{2}$ "	"	50	0' 6"	M
<i>Brasil</i>	14/7	43	12' 0"	F					

Table No. 11 (continued).

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.
		Mother.	Foetus.				Mother.	Foetus.	
<i>Bering Sea</i>		Engl. ft.	Engl. ft.		<i>Australia</i>		Engl. ft.	Engl. ft.	
Average length of foetuses: 2' 6"	20/7	45	3' 3"	F	(cont.)	16/7	48	15' 9"	F
	"	46	1' 10"	M		18/7	42	14' 6"	F
	21/7	46	2' 5"	F		25/7	42	14' 9"	F
	"	46	2' 5"	M		28/7	45	15' 4"	F
	"					"	39	12' 11"	F
	"					29/7	45	15' 0"	M
<i>Australia</i>						31/7	45	12' 6"	M
Average length of foetuses: 13' 1"	25/6	43	14' 5"	F		5/8	46	13' 10"	F
	2/7	39	11' 6"	M		15/8	41	11' 0"	M
	8/7	40	12' 6"	M		17/8	45	14' 0"	F
	10/7	46	15' 0"	F		18/8	45	13' 6"	M
	"	43	14' 1"	F		21/9	50	0' 3"	?
	12/7	42	14' 6"	F					
	13/7	37	14' 0"	M	<i>New Zealand</i>				
	15/7	45	13' 6"	F	Average length of foetuses: 13' 7"	27/6	43	13' 7"	M
	"	43	13' 4"	F		30/6	44	13' 6"	M
	"	41	13' 3"	F		4/7	43	13' 9"	M
	16/7	43	11' 7"	M		7/7	42	13' 6"	M

## Sei-whale foetuses.

<i>Natal</i>					<i>Brasil</i>				
Average length of foetuses: 1' 5"	9/9	50	1' 6"	F	Average length of foetuses: 1' 6½"	7/7	52	2' 6"	M
	16/9	52	1' 4"	M		8/7	55	0' 8"	M
						13/7	50	0' 6"	?
						15/8	52	1' 4"	F
<i>Cape Province</i>						30/8	49	1' 10"	M
Average length of foetuses: 2' 2"	17/6	56	3' 0"	F		24/9	50	2' 5"	F
	15/8	47	3' 0"	M	<i>Iceland</i>	1/8	45	5' 0"	M
	18/8	52	0' 7"	M					
	"	54	0' 10"	M	<i>California</i>				
	21/8	56	0' 10"	M	Average length of foetuses: 8' 10"	7/7	49	5' 9"	M
	27/8	51	1' 6"	M		14/9	49	10' 0"	F
	29/8	52	1' 6"	M		21/9	48	10' 0"	M
	15/9	54	3' 0"	M		23/9	48	9' 6"	F
	27/9	53	1' 6"	F	<i>Bering Sea</i>	13/8	52	7' 7"	M
	6/9	49	2' 6"	F					
	7/10	52	1' 0"	F	<i>Japan</i>				
	10/10	41	0' 10"	F	Average length of foetuses: 3' 7"	30/6	43	3' 3"	M
	11/10	50	0' 7"	M		17/7	46	3' 11"	M
	"	53	1' 11"	F	<i>New Zealand</i>	30/7	49	2' 9"	M
	13/10	50	1' 6"	F					
	15/10	51	1' 9"	M					
	16/10	51	1' 4"	M					
	"	55	0' 7"	M					
	20/10	54	3' 0"	F					
	25/10	49	12' 0"	M					

## Sperm-whale foetuses.

<i>Natal</i>					<i>Natal</i>				
Average length of foetuses: 4' 10"	15/3	35	13' 0"	M	(cont.)	22/3	35	1' 6"	F
	18/3	36	1' 0"	M		24/3	35	1' 0"	M
	19/3	35	2' 0"	F		"	36	1' 6"	F
	20/3	35	2' 0"	M		3/4	35	2' 0"	F
	21/3	32	2' 0"	M		5/4	35	2' 0"	F
	"	35	1' 0"	M		16/4	35	12' 0"	M
	"					"	35	2' 0"	F



Table No. 11 (continued).

Geographical areas.	Date when measured.	Length		Sex.	Geographical areas.	Date when measured.	Length.		Sex.	
		Mother	Foetus.				Mother	Foetus.		
<i>Natal</i> (cont.).	16/4	32	3' 0"	F	<i>South Atlantic Ocean, pelagic</i>	Average length of foetuses: 9' 3"	25/11 26/11 " " 1/12 2/12	40 38 38 35 30 34	11' 10" 0' 2" 8' 9" 11' 2" 13' 0" 11' 0"	F M F M M M
	20/4	36	12' 0"	F						
	"	32	3' 0"	F						
	24/4	35	1' 6"	F						
	25/4	30	2' 0"	F						
	27/4	36	3' 0"	F						
	"	31	2' 0"	F						
	5/5	36	3' 0"	F						
	8/5	31	2' 0"	M						
	"	31	12' 0"	F						
	"	35	6' 0"	M						
	10/5	35	6' 0"	F						
	15/5	36	1' 4"	F						
	16/5	36	14' 0"	M						
	"	35	3' 0"	F						
	17/5	35	6' 0"	F						
	27/5	35	5' 0"	F						
	31/5	35	5' 0"	M						
	18/6	36	5' 0"	F						
	30/6	36	8' 0"	F						
	"	36	3' 0"	F						
	3/7	35	6' 0"	M						
	"	36	3' 0"	F						
	"	35	8' 0"	F						
	"	32	3' 0"	F						
	4/7	35	4' 0"	F						
	20/8	36	5' 0"	F						
	21/8	36	7' 0"	F						
	22/8	35	4' 0"	F						
	7/9	35	8' 0"	F						
	"	35	4' 0"	F						
	"	35	9' 0"	F						
	21/9	35	8' 0"	F						
1/10	35	7' 0"	F							
2/10	35	6' 0"	F							
"	36	7' 0"	M							
<i>Cape Province</i> Average length of foetuses: 6' 6"	8/5	35	5' 0"	M	<i>Bering Sea</i> Average length of foetuses: 5' 10"	15/7 " " " 1/8 " " " " "	41 36 40 40 38 42 44 42 38 38	13' 9" 10' 6" 0' 4" 0' 7" 1' 2" 1' 4" 14' 7" 1' 6" 13' 9" 12' 2"	M F M M M M F M M M F	
	11/5	36	2' 0"	F						
	18/5	37	5' 0"	M						
	19/6	35	6' 0"	M						
	"	38	4' 0"	F						
	20/6	36	6' 0"	M						
	24/6	36	5' 0"	M						
	19/7	36	2' 6"	M						
	30/8	36	0' 7"	F						
	3/9	35	9' 0"	M						
	10/9	36	11' 0"	F						
	11/9	36	9' 0"	M						
	12/9	38	6' 0"	F						
	"	36	8' 0"	M						
	"	37	8' 0"	M						
	"	35	11' 0"	F						
	26/9	35	9' 0"	F						
	30/9	36	10' 0"	F						

Table No. 11 (continued).

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

Table No. 11 (continued).

Geographical areas.	Date when measured.	Length.		Sex.	Geographical areas.	Date when measured.	Length.		Sex.		
		Mother.	Foetus.				Mother.	Foetus.			
<i>Chile</i> (cont.).	5/8	34	9' 6"	M	<i>Chile</i> (cont.).	13/11	34	10' 4"	F		
	"	34	7' 3"	M		"	32	10' 2"	M		
	11/8	32	8' 6"	F		29/11	37	13' 1"	F		
	17/8	30	8' 4"	M		"	33	12' 9"	M		
	28/8	30	8' 5"	F		8/12	33	11' 2"	M		
	30/8	35	8' 0"	F		16/12	35	11' 2"	M		
	7/9	34	9' 2"	F		17/12	31	11' 6"	F		
	"	32	2' 8"	M		"	35	9' 2"	F		
	11/10	32	9' 10"	M		18/12	36	11' 9"	F		
	27/10	33	14' 9"	F		<i>Australia</i> Average length of foetuses: 6' 10"	31/5	38	3' 8"	M	
	"	34	13' 1"	F			27/9	35	10' 0"	F	
	"	34	13' 1"	M							
	3/11	31	12' 9"	M							
	"	32	12' 1"	F							
	11/11	37	13' 2"	F							

## Bryde-whale foetuses.

<i>Cape Province</i>	14/8	43	0' 6"	M
----------------------	------	----	-------	---

