

DET NORSKE HVALRÅDS STATISTISKE PUBLIKASJONER

# INTERNATIONAL WHALING STATISTICS

LIII

EDITED BY  
THE COMMITTEE FOR WHALING STATISTICS



OSLO 1964

*Price: kr. 2.00.*

DET NORSKE HVALRÅDS STATISTISKE PUBLIKASJONER

# INTERNATIONAL WHALING STATISTICS

LIII

EDITED BY  
THE COMMITTEE FOR WHALING STATISTICS



OSLO 1964

PRINTED BY  
GRØNDAHL & SØN, OSLO

## CONTENTS

Preface .....	Page 5
Introduction .....	" 7
Supplementary tables to the introduction .....	" 13
Catch of small whales in the years 1958/59—1962/63.....	" 33
Table No. 1.—Whaling in 1962/63 and summer 1963 .....	" 39
Table No. 2.—Norwegian whaling in 1962/63 and summer 1963 .....	" 40
Table No. 3.—Whaling of United Kingdom in 1962/63 and summer 1963 ....	" 40
Table No. 4.—Whaling of Japan in 1962/63 and summer 1963 .....	" 40
Table No. 5.—Whaling of U.S.S.R. in 1962/63 and summer 1963 .....	" 40
Table No. 6.—Whaling results for the various countries in 1962/63 and summer 1963 .....	" 41
Table No. 7.—Average size of whales caught in the summer-season 1963 ....	" 41
Table No. 8.—Whales caught in the summer-season 1963, by species, sex and size and by whaling grounds .....	" 49
Natal .....	" 49
Cape Province .....	" 51
Brazil .....	" 54
Azores .....	" 56
Madeira.....	" 56
Spain.....	" 56
Norway .....	" 57
Faroe Islands.....	" 57
Iceland .....	" 58
Newfoundland.....	" 59
California .....	" 60
Oregon .....	" 61
British Columbia .....	" 61
North Pacific Ocean and Bering Sea, pelagic .....	" 63
Kamtchatka, pelagic .....	" 65
Kuril Islands .....	" 66
Japan .....	" 67
Ryukyu Islands .....	" 69
Peru .....	" 71
Chile .....	" 71
Australia .....	" 72
New Zealand .....	" 73
South Atlantic Ocean, pelagic .....	" 74
Indian Ocean, pelagic .....	" 74
South Pacific Ocean, pelagic.....	" 75
Table No. 9.—Average production of oil per „blue-whale equivalent” in the summer-season 1963 .....	" 75
Table No. 10.—Average production of oil per sperm-whale in the summer-season 1963 .....	" 76

---



## PREFACE

The present publication, International Whaling Statistics No. LIII, comprises the whaling operations in the Antarctic during the season 1962-63 and on grounds outside the Antarctic in the calendar year 1963.

Statistical data are lacking from the Chinese whaling off the coast of Dairen, China.

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

*“Industria Ballenera S.A.”, Spain,*

*“Compania Maritima Pesquera S.A.”, Peru,*

*“Consorcio Ballenero S.A.”, Peru,*

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

With these exceptions the statistics, to the best knowledge of the Committee, include all operations carried on in 1963.

O s l o , October 1964.

*Gunnar Jahn.*

*Birger Bergersen.*

*Einar Vangstein.*



## INTRODUCTION

This publication comprises the world aggregate whaling results for 1963, i.e. the catch in the Antarctic during the season 1962-63 and the catch on grounds outside the Antarctic during the calendar year 1963. Detailed information about the whaling activity in the Antarctic season 1962-63 has been given in International Whaling Statistics No. LIII. The present volume gives specifications of the operations on grounds outside the Antarctic in 1963.

In 1963 the following alterations took place in respect to the participation in the operations outside the Antarctic, as compared with the season 1962:

There were no whaling operations in 1963 from the shore stations belonging to

*"Aukra Hval A/S", Norway,*

*"Ryukyu Food Processing", Okinawa Island,*

*"Gulf Whaling Industries Ltd.", New Zealand* and the Australian companies

*"Whale Products Pty. Ltd.", "Norfolk Whaling Co. Ltd." and "North Coast Whaling Pty. Ltd."*

On the other hand the U.S.S.R. were operating off Kamtchatka with four floating factories, against two in 1962 and one in earlier seasons.

It should also be mentioned that 14 of the Antarctic floating factories on their voyages to and from the Antarctic whaling grounds, in 1963 caught 3,659 sperm-whales in the South Atlantic Ocean, in the Indian Ocean and in the South Pacific Ocean.

In 1963 whaling outside the Antarctic was carried on from the following grounds:

*Africa:* Natal and Cape Province.

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

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

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

These whaling grounds are the same as those operated in the previous season.



From table *a*, page 13, it will be seen that whaling on grounds outside the Antarctic during the year 1963 was carried on from 38 shore stations, 7 floating factories and with 166 catchers. This is 9 shore stations and 9 catchers less, but two floating factories more than in 1962.

In the survey below is recorded the number of whales killed on grounds outside the Antarctic during the period 1937/38–1962/63. 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
1961–62.....	66,157	38,555	33,726	4,829	27,602	9,055	18,547
1962–63 <sup>1)</sup> .....	63,615	30,182	25,411	4,771	33,433	10,346	23,087

<sup>1)</sup> Excluding the catch from one Chinese whaling company.

From this survey will be seen that the total catch of whales, in the Antarctic and on grounds outside the Antarctic, has increased considerably during the postwar seasons. The total number of whales killed reached a maximum of about 66,000 both in 1960–61 and 1961–62, but in the last season 1962–63 it was reduced to 63,600. The increase in the total catch in later years is principally a result of the large catch of sperm-whales outside the Antarctic. Since the 1949-season this sperm-whale catch has increased from 4,900 animals to 18,500 in 1962 and to 23,100 in 1963, while the baleen whale catch outside Antarctic in the same period increased from 7,600 to 10,300. The decrease in the total number of whales

killed in 1962–63 must be ascribed to the strongly reduced baleen whale catch in the Antarctic in this season.

In order to be able to analyse the figures for the catch on grounds outside the Antarctic, which is the object of these 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, but it was resumed on a very low scale from Faroe Islands in 1962. 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 1951.) 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 401. In the four last seasons, 1960–1963, when whaling was carried on from 2–3 shore stations with 6–9 catchers, the number of baleen whales killed during these years varied between 42 and 168.

The baleen whale catch off the Faroe Islands has declined since 1951, when 291 baleen whales were killed. 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 in 1963 3. In the seasons 1959–1961 no whaling took place off the Faroe Islands.

The catch of baleen whales off Iceland declined from 436 in 1957 to 385 in 1958, to 251 in 1959, to 202 in 1960 and 200 in 1961, but increased to 347 and 303 in 1962 and 1963. 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 blue-whales. 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.

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. 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 of 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.

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.

Whaling in the *Pacific North* (see tables *p-t*, pages 28–30) was carried on in 1963 from California, Oregon, British Columbia, Japan, North Pacific Ocean and Bering Sea, Kamtchatka and Kuril Islands.

From California whaling has been carried on with 1–2 shore stations and 2–5 catchers during each season from and including 1956. Most of the whales killed were humpbacks and fin-whales. The whaling station on the coast of British Columbia was operating with 5–6 catchers in all postwar years up to and including 1959, and resumed whaling in 1962. Most of the baleen whales killed off British Columbia during the later years have been fin-whales. In 1962, however, a quite considerable number of sei-whales was killed.

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) was carried on in the years 1955–1961 from 2 floating factories with 13–17 catchers, in 1962 and 1963 from 3 floating factories with 21 catchers. During these years the catch of sperm-whales as well as the catch of fin-whales, have been of great importance. In 1962, however, the fin-whale catch declined by 300 animals and in 1963 by 100 animals. The catch of sei-whales has varied considerably, while the blue-whale catch has been restricted to 70 animals per season. In 1962 and 1963, however, only 48 and 57 blue-whales were killed.

Whaling from *Kamtchatka* (see table *s*, page 29) has in most of the later years been based mainly on the catch of sperm-whales. In all the years 1951–1961 one floating factory with 5–15 catchers were operating on this ground. In the last seasons 1962 and 1963, when 2 floating factories with 28 catchers and 4 floating factories with 46 catchers, respectively, were in operation, a considerable number of baleen whales was killed on the Kamtchatka ground. The catch of humpbacks was exceptionally large in 1962 and 1963, viz. 1,213 and 2,242 animals, respectively. In 1963 also 347 blue-whales, 1,060 fin-whales and 514 sei-whales were killed. The catch of sperm-whales in 1963 amounted to 5,125 animals.

Whaling off the *Kuril Islands* (see table *t*, page 30) has been carried on during the last 5 seasons from 2–3 shore stations and with 5–19 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 2–5 catchers, and the whales killed are almost exclusively sei-whales. In the season 1961, when 4 catchers were employed, the sei-whale catch amounted to 958 animals, and in the two last seasons 1962 and 1963 with 3 catchers employed, the number of sei-whales caught was 610 and 346. In 1962 also 49 fin-whales were killed off Brazil.

In *Peru* whaling is carried on from 2–3 shore stations (see table *v*, page 30) and the whales killed during the last 7 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 later years from 2–3 shore stations with 10–16 catchers. 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 7 seasons, however, the fin-whale catch has been strongly reduced, and in 1962 and 1963 the number of blue-whales killed was reduced to 11 and 31, respectively.

Whaling off *Australia* (see table *z*, page 31) has in most of the later years mainly been restricted to humpbacks. Since 1956, however, the sperm-whale catch has also been of some importance. During the years 1954–1962, when 5 shore stations with 9–14 catchers were in operation, the catch of humpbacks was reduced from 2,038 animals in 1954 to 720 animals in 1962, while in 1963 with 2 shore stations and 8 catchers, only 87 humpbacks were caught. On the other hand the catch of sperm-whales increased from 139 in 1957 to 282 in 1960 and to 629 in 1963.

On the *New Zealand* ground (see table  $z^1$ , page 31) the whaling has also mainly been restricted to humpbacks. In the seasons 1956–1960, when mostly 2 shore stations with 3–6 catchers were in activity, the number of humpbacks caught increased from 143 to 361. During the 3 last seasons, however, the humpback catch was strongly reduced, while the number of sperm-whales caught in 1963 amounted to 114.

*Table  $z^2$* , page 32, shows the production of by-products in the Antarctic and on the 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 1962–63 were 203,142 tons and 74,905 tons, respectively. Of these quanta 163,688 tons whale meat and 35,503 tons whale meal were produced in the Antarctic.

In some tables  $z^3-10$ , pages 33–38, is recorded the catch of small whales on the various grounds outside the Antarctic during the last 5 seasons.

---

## Annex.

## Supplementary Tables to the Introduction.

Table a.—Whaling matériel in operation in the years 1938/39—1962/63.

Years. <sup>1)</sup>	All whaling grounds.			Antarctic.			Others.		
	Shore stations.	Floating factories.	Catchers.	Shore stations.	Floating factories.	Catchers.	Shore stations.	Floating factories.	Catchers.
1938-39	16	37	362	2	34	281	14	3	81
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	55	23	420	3	20	256	52	3	164
1959-60	53	23	399	3	20	241	50	3	158
1960-61	51	24	418	3	21	268	48	3	150
1961-62	48	26	444	1	21	269	47	5	175
1962-63	38	24	367	—	17	201	38	7	166

<sup>1)</sup> 1938-39 = Antarctic season 1938-39 and summer 1939, a.s.o.

Table b.—Whales killed in the years 1938/39—1962/63, by species.

Years. <sup>1)</sup>	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.
1938-39	14,152	22,622	1,393	815	5,511	1,290	45,783
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
1961-62	1,255	30,178	2,436	8,804	23,316	108	66,097
1962-63	1,429	21,916	2,758	9,549	27,858	105	63,615

<sup>1)</sup> 1938-39 = Antarctic season 1938/39 and summer 1939, a.s.o.

Table c.—Whales killed in the various main areas 1938/39—1962/63.

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.
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	1,998	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
1961-62.....	66,097	100	38,555	58.3	3,947	6.0	738	1.1	984	1.5	2,959	4.5
1962-63.....	63,615	100	30,182	47.4	4,055	6.4	600	1.0	837	1.3	2,641	4.2
	North Pacific Ocean and Bering Sea (pelagic).		Kamchatka and Kuril Islands.		Chile.		Peru.		Australia and New Zealand.		Others.	
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
1961-62.....	4,043	6.1	5,447	8.2	2,338	3.5	3,301	5.0	1,355	2.1	2,430	3.7
1962-63.....	4,760	7.5	10,064	15.8	1,543	2.4	3,241	5.1	843	1.3	4,849	7.6

<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 d.—Oil production in the various main areas 1948/49—1962/63.

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.		
1948-49..	2,596,131	100	7,460	2,219,621	85.5	10,470	185,003	7.1	4,512	58,840	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	5,588	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
1961-62..	2,797,994	100	6,302	2,051,776	73.3	7,627	96,783	3.5	6,049	29,843	1.1	2,296	23,590	0.8	1,311	44,409	1.6	1,776
1962-63..	2,420,824	100	6,596	1,495,779	61.8	7,442	95,284	3.9	5,294	27,315	1.1	2,483	22,839	0.9	1,903	48,692	2.0	2,319
	North Pacific Ocean and Bering Sea (pelagic).			Kamchatka and Kuril Islands.			Chile.			Peru.			Australia and New Zealand.			Others.		
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	.
1961-62..	184,249	6.6	8,774	144,753	5.2	3,809	39,125	1.4	3,913	67,189	2.4	7,465	56,591	2.0	2,978	59,686	2.1	.
1962-63..	194,654	8.1	9,269	303,824	12.6	5,957	30,047	1.2	3,005	60,903	2.5	6,767	33,222	1.4	3,691	108,265	4.5	.

<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. <sup>1</sup>/<sub>4</sub> 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
1961-62..	66,097	—	1,320	756	713	2,338	15	—	—	483	21,814
1962-63..	63,615	—	720	406	579	1,543	11	—	—	439	23,886
<i>Percentage figures:</i>											
	%	%	%	%	%	%	%	%	%	%	%
1937-38..	1.000	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
1961-62..	100.0	—	2.0	1.1	1.1	3.5	—	—	—	0.7	33.0
1962-63..	100.0	—	1.1	0.6	0.9	2.4	—	—	—	0.7	37.5

<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—1962/63. 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
1961-62..	1,628	35	9,681	-	3,301	533	198	3,947 <sup>2)</sup>	4,363	271	14,651
1962-63..	1,330	123	5,005	-	3,241	658	126	4,055	1,552	259	19,682
<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	22.2	-	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
1961-62..	2.5	0.1	14.6	-	5.0	0.9	0.3	6.0	6.6	0.4	22.2
1962-63..	2.1	0.2	7.9	-	5.1	1.0	0.2	6.4	2.5	0.4	31.0

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	496,260
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	688,212
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
1961-62..	2,797,994	-	55,053	13,446	16,151	39,125	466	-	-	20,357	974,865
1962-63..	2,420,824	-	28,111	6,327	17,208	30,047	490	-	-	20,212	1,016,529
<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
1961-62..	100.0	-	2.0	0.5	0.6	1.4	-	-	-	0.7	34.8
1962-63..	100.0	-	1.2	0.3	0.7	1.2	-	-	-	0.8	42.0

<sup>1)</sup> Barrel = 170 kg. (Barrel = abt. 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—1962/63. 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>	1,169,069	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	2,960	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	89,401	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
1961-62.	90,305	1,538	581,652	-	67,189	16,622	4,440	96,783	<sup>4)</sup> 212,977	7,439	599,586
1962-63.	80,407	5,111	236,849	-	60,903	17,500	2,963	95,284	79,222	5,631	718,030
<i>Percentage 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
1961-62.	3.2	-	20.8	-	2.4	0.6	0.2	3.5	7.6	0.3	21.4
1962-63.	3.3	0.2	9.8	-	2.5	0.7	0.1	3.9	3.3	0.3	29.7

of two Norwegian expeditions hired by Germany—in 1937/38 180,750 barrels, and in 1938/39 118,338 barrels.

Table g.—Sperm-oil production in the years 1955/56—1962/63.

Grounds.	<sup>1)</sup> 1955-56	1956-57	1957-58	1958-59	1959-60	1960-61	1961-62	1962-63
	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels
South Georgia .....	4,119	3,807	10,723	10,305	4,399	6,409	4,456	—
Antarctic, pelagic .....	337,739	214,893	301,059	251,794	191,517	208,039	204,783	202,288
Africa:—								
Natal .....	15,007	22,412	21,701	22,866	27,510	25,131	40,293	44,698
Cape Province .....	—	11,159	13,750	14,900	17,890	15,774	21,246	16,010
Gabon <sup>2)</sup> .....	—	—	—	230	—	—	—	—
South Atlantic, pelagic .....	<sup>3)</sup> 3,738	<sup>3)</sup> 2,554	<sup>3)</sup> 415	<sup>3)</sup> 309	<sup>3)</sup> 989	<sup>3)</sup> 3,655	<sup>3)</sup> 13,324	<sup>3)</sup> 12,748
Brazil .....	51	35	144	86	608	2,235	2,300	823
North Atlantic and Arctic:—								
Azores .....	14,244	16,536	13,958	12 148	11,636	10,534	12,651	13,510
Madeira .....	4,568	4,730	3,215	3,052	3,813	3,154	3,971	3,990
Spain .....	3,873	5,203	3,533	3,980	3,275	2,632	3,682	2,587
Norway .....	2,930	1,337	3,968	1,271	4,104	3,291	4,040	5,388
Faroe Islands .....	4,430	2,636	2,093	—	—	—	366	448
Iceland .....	5,676	5,065	7,682	7,617	10,471	8,947	8,074	8,122
West Greenland .....	567	1,035	664	—	—	—	—	—
Newfoundland .....	598	760	285	82	19	—	—	—
Pacific North:—								
California .....	232	529	241	457	450	1,774	1,447	1,849
Oregon .....	—	—	—	—	—	82	—	—
British Columbia .....	4,697	5,957	3,086	7,394	—	—	4,615	4,329
Bering Sea .....	73,994	76,442	75,430	84,806	87,441	76,765	122,605	123,730
Kamchatka .....	37,565	44,720	58,370	68,621	91,202	75,846	70,534	170,293
Kuril Islands .....	40,374	40,525	49,426	41,562	34,309	27,841	24,661	13,106
Japan .....	36,051	37,614	51,050	40,484	40,923	37,573	32,423	38,248
Ryukyu Islands .....	—	—	—	127	249	183	—	8
Indian Ocean .....	—	<sup>3)</sup> 742	—	—	—	—	<sup>3)</sup> 7,801	<sup>3)</sup> 41,915
South Pacific Ocean .....	—	<sup>3)</sup> 1,712	—	—	—	—	<sup>3)</sup> 4,053	<sup>3)</sup> 26,812
Peru .....	32,441	45,745	56,315	74,781	75,426	76,644	67,189	60,903
Chile .....	25,517	38,169	37,478	38,801	33,166	37,887	37,360	28,109
Australia and New Zealand ..	2,699	5,334	10,598	5,906	11,337	18,934	24,251	29,030
<b>Total</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>	<b>716,125</b>	<b>848,944</b>
<i>Of which produced by:</i>								
Norway .....	132,469	99,666	121,704	88,354	63,791	74,057	68,754	39,367
{ In Antarctic	2,930	2,187	4,383	1,480	5,093	5,240	7,904	11,425
{ Outside "	65,795	29,149	40,514	40,535	22,002	<sup>4)</sup> 14,667	<sup>4)</sup> 19,843	12,331
United Kingdom ...	—	—	—	100	—	—	610	—
{ In Antarctic	28,860	4,019	—	—	—	—	—	—
{ Outside "	15,007	33,571	35,451	37,766	45,400	40,905	61,539	60,708
Japan .....	69,964	72,870	105,745	95,842	65,877	71,825	44,213	50,503
{ In Antarctic	110,045	116,510	126,480	125,290	128,364	114,338	165,340	218,323
{ Outside "	10,565	6,571	24,880	20,374	40,397	43,651	58,894	83,488
U.S.S.R. ....	77,939	85,245	107,796	110,183	125,511	105,393	105,587	201,600
{ In Antarctic	18,272	4,846	12,656	13,784	2,019	10,248	17,535	16,599
{ Outside "	—	1,704	—	—	—	—	—	892
Netherlands ..	14,540	—	—	—	—	—	—	—
{ In Antarctic	3,738	—	—	—	—	—	—	—
{ Outside "	—	—	—	—	—	—	—	—
Panama .....	1,393	1,579	6,283	3,210	1,830	—	—	—
{ In Antarctic	5,295	6,717	3,371	7,476	19	—	4,615	4,329
{ Outside "	18,812	21,266	17,173	15,200	15,449	13,688	16,622	17,500
{ Outside "	—	—	—	—	—	—	—	—

(Cont. on next page.)

<sup>1)</sup> 1955-56 = Antarctic season 1955-56 and summer 1956, a.s.o. <sup>2)</sup> Earlier French Congo. <sup>3)</sup> Produced by floating factories on their voyage to and from the Antarctic. <sup>4)</sup> Including the production of one company registered at Falkland Islands.

Table g (cont.)

Grounds	<sup>1)</sup> 1955-56	1956-57	1957-58	1958-59	1959-60	1960-61	1961-62	1962-63
Australia . . . Outside Antarctic	Barrels 2,624	Barrels 5,334	Barrels 10,598	Barrels 5,906	Barrels 11,337	Barrels 18,934	Barrels 24,155	Barrels 24,286
Spain . . . . . Outside Antarctic	3,873	5,203	3,533	3,980	3,275	<sup>2)</sup> 2,632	3,682	2,587
France . . . . . Outside „	—	—	—	230	—	—	—	—
Denmark . . . . . Outside „	4,997	3,671	2,757	—	—	—	366	448
Iceland . . . . . Outside „	5,676	5,065	7,682	7,617	10,471	8,947	8,074	8,122
Peru . . . . . Outside „	32,441	45,745	56,315	74,781	75,426	76,644	67,189	60,903
Chile . . . . . Outside „	25,517	38,169	37,478	38,801	33,166	37,887	37,360	28,109
Brazil . . . . . Outside „	51	35	144	86	608	2,235	2,300	823
U.S.A. . . . . Outside „	232	529	241	584	699	2,039	1,447	1,857
New Zealand . . . Outside „	75	—	—	—	—	—	96	4,744

<sup>1)</sup> 1955—56 = Antarctic season 1955—56 and summer 1956 a.s.o. <sup>2)</sup> Calculated.

**Table h.—Average size of whales killed in the different grounds in the years 1956 to 1963.**

Species of whales and whaling grounds.	1963	1962	1961	1960	1959	1958	1957	1956
	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
<b>Blue-whales.</b>								
Antarctic:—								
South Georgia . . . . .	—	—	72.75	73.00	64.00	74.50	71.71	81.33
Pelagic whaling . . . . .	73.06	75.33	74.01	75.86	78.28	77.14	77.01	77.29
Africa:—								
Natal . . . . .	64.60	67.71	67.83	69.83	71.67	70.33	68.40	72.40
Cape Province . . . . .	69.50	68.00	65.00	61.00	—	68.25	73.50	—
Brazil . . . . .	—	68.00	—	—	—	—	—	—
North Atlantic and Arctic:								
Norway . . . . .	—	71.00	—	—	—	—	—	—
Iceland . . . . .	—	—	—	—	73.83	67.40	71.00	69.13
West Greenland . . . . .	—	—	—	—	—	—	78.00	73.00
Pacific North:—								
California . . . . .	72.17	66.50	65.50	67.00	70.20	72.15	—	—
British Columbia . . . . .	71.63	72.93	—	—	71.54	72.13	75.00	74.64
Bering Sea . . . . .	76.67	78.15	78.90	76.76	78.19	76.60	77.19	77.64
Kamtchatka . . . . .	74.01	74.26	77.50	—	76.95	—	72.78	74.57
Kuril Islands . . . . .	73.00	73.82	76.00	73.29	74.00	75.64	73.58	75.69
Japan . . . . .	74.50	69.00	74.00	65.00	73.80	68.71	71.00	71.29
Chile . . . . .	68.81	67.18	70.43	71.82	75.02	73.68	72.68	72.90
Australia . . . . .	68.00	66.25	—	68.50	68.67	71.00	—	—
<b>Fin-whales.</b>								
Antarctic:—								
South Georgia . . . . .	—	62.94	63.96	66.35	65.89	66.06	63.81	65.00
Pelagic whaling . . . . .	66.16	66.49	66.79	66.61	66.30	66.24	66.89	66.54
Africa:—								
Natal . . . . .	60.60	59.67	60.58	60.92	60.55	60.80	61.37	61.21
Cape Province . . . . .	56.89	59.40	60.73	62.38	59.59	61.05	60.53	—
Brazil . . . . .	63.50	61.10	65.50	64.43	—	69.00	—	72.00
North Atlantic and Arctic:								
Madeira . . . . .	—	—	—	—	—	—	58.00	—

Table h (cont.).

Species of whales and whaling grounds.	1963	1962	1961	1960	1959	1958	1957	1956
	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
Norway . . . . .	58.43	60.16	59.27	59.88	60.46	59.31	58.93	59.23
Faroe Islands . . . . .	62.33	57.00	—	—	—	59.19	59.57	59.79
Iceland . . . . .	60.82	59.27	59.41	61.01	60.51	59.54	59.13	58.94
West Greenland . . . . .	—	—	—	—	—	62.13	61.24	62.71
Newfoundland . . . . .	—	—	—	53.00	56.79	58.07	60.57	60.29
Pacific North:—								
California . . . . .	61.56	59.43	60.31	60.94	61.07	61.28	61.59	58.33
Oregon . . . . .	59.40	54.00	—	—	—	—	—	—
British Columbia . . . . .	58.05	56.90	—	—	58.15	59.20	59.11	57.42
Bering Sea . . . . .	61.37	61.68	63.25	60.52	61.98	61.29	61.44	61.20
Kamtchatka . . . . .	60.02	59.60	58.94	61.91	61.42	61.64	61.60	61.68
Kuril Islands . . . . .	60.48	60.67	60.56	60.46	60.93	61.64	61.73	62.78
Japan . . . . .	57.04	57.08	56.65	56.78	56.15	56.15	56.22	56.97
Peru . . . . .	—	—	—	—	—	—	—	51.00
Chile . . . . .	51.82	52.26	55.00	59.12	57.86	56.51	54.55	54.46
Australia . . . . .	—	—	—	—	50.00	—	—	67.00
<b><u>Humpbacks.</u></b>								
Antarctic:—								
Pelagic whaling . . . . .	41.56	41.37	41.38	40.93	39.95	41.52	41.43	39.99
Africa:—								
Natal . . . . .	38.19	38.78	38.42	37.36	39.05	38.38	38.41	38.03
Cape Province . . . . .	37.33	41.22	39.00	45.75	39.57	44.50	39.00	—
Gabon <sup>1)</sup> . . . . .	—	—	—	—	39.88	—	—	—
Brazil . . . . .	42.83	44.91	43.69	39.23	41.75	43.20	—	41.50
North Atlantic and Arctic:								
Madeira . . . . .	—	—	—	—	—	—	38.00	—
Faroe Islands . . . . .	—	—	—	—	—	—	40.00	46.33
Newfoundland . . . . .	—	—	—	—	—	41.00	—	—
Greenland . . . . .	—	39.00	30.00	43.00	—	—	—	—
Pacific North:—								
California . . . . .	40.16	42.03	40.15	41.33	39.99	41.27	40.74	40.89
Oregon . . . . .	—	—	49.50	—	—	—	—	—
British Columbia . . . . .	39.38	40.75	—	—	40.04	40.83	40.73	40.11
Bering Sea . . . . .	42.20	42.29	44.78	—	—	41.54	—	40.27
Kamtchatka . . . . .	40.34	40.74	41.32	41.37	40.86	40.30	40.98	39.23
Kuril Islands . . . . .	36.60	37.50	38.79	45.67	38.00	39.25	39.00	39.10
Japan . . . . .	38.67	47.00	41.00	36.00	41.75	44.25	38.60	41.57
Ryukyu Islands . . . . .	—	38.63	40.12	39.50	40.24	38.85	40.22	—
Peru . . . . .	—	—	—	—	—	—	—	38.00
Chile . . . . .	36.00	37.00	—	—	—	—	41.00	—
Australia . . . . .	38.16	38.30	38.85	40.37	40.45	40.95	40.84	41.21
New Zealand . . . . .	40.33	39.06	40.46	40.09	40.36	40.62	40.37	40.59
<b><u>Sei-whales.</u></b>								
Antarctic:—								
South Georgia . . . . .	—	48.63	49.27	49.53	49.75	50.05	49.50	49.95
Pelagic whaling . . . . .	49.81	50.30	50.20	50.45	50.83	50.33	50.38	50.42
Africa:—								
Natal . . . . .	43.95	43.44	44.36	44.03	44.13	44.05	43.20	41.91
Cape Province . . . . .	44.09	45.75	48.87	47.11	45.72	45.12	45.81	—
Gabon <sup>1)</sup> . . . . .	—	—	—	—	44.75	—	—	—
South Atlantic, pelagic:—	—	—	—	—	—	—	—	45.00

Earlier French Congo.

Table h (cont.).

Species of whales and whaling grounds.	1963	1962	1961	1960	1959	1958	1957	1956
	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
Brazil.....	49.07	49.31	49.05	49.61	50.29	50.53	50.93	49.94
North Atlantic and Arctic:								
Norway.....	—	40.00	38.83	39.50	46.25	42.83	35.00	44.94
Faroe Islands.....	—	—	—	—	—	41.00	—	44.33
Iceland.....	43.65	45.30	44.36	44.14	44.01	43.33	42.68	44.13
West Greenland.....	—	—	—	—	—	—	50.00	45.00
Newfoundland.....	—	—	44.00	—	43.00	—	49.80	48.50
Pacific North:—								
California.....	45.56	46.45	44.92	43.94	45.74	46.50	51.00	—
British Columbia.....	44.28	44.48	—	—	43.94	44.49	44.47	44.16
Bering Sea.....	46.07	46.88	49.50	46.90	49.00	47.08	46.61	46.36
Kamtschatka.....	46.95	42.33	47.80	47.56	47.04	47.79	50.28	49.69
Kuril Islands.....	45.88	46.68	46.13	46.34	47.05	46.52	45.63	46.55
Japan.....	42.69	41.67	41.77	41.10	42.48	42.41	42.40	41.54
Chile.....	45.67	37.88	48.67	44.00	38.67	45.93	44.26	42.71
New Zealand.....	—	—	49.00	—	45.00	—	43.50	44.00
Australia.....	43.00	40.50	—	—	—	—	—	—
<b><u>Sperm-whales.</u></b>								
Antarctic:—								
South Georgia.....	—	46.65	46.87	47.58	46.47	47.12	45.69	46.83
Pelagic whaling.....	46.36	46.26	46.76	47.26	47.20	47.52	48.67	48.39
Africa:—								
Natal.....	38.26	38.29	37.88	38.96	38.57	39.66	40.03	40.72
Cape Province.....	37.28	37.03	37.98	39.05	37.64	36.89	39.41	—
Gabon <sup>1)</sup> .....	—	—	—	—	35.14	—	—	—
South Atlantic, pelagic...	40.32	43.58	40.25	40.00	38.31	43.50	41.68	40.99
Brazil.....	38.18	40.56	42.54	38.28	40.00	44.75	35.50	41.00
North Atlantic and Arctic:								
Azores.....	39.86	—	39.55	—	37.16	37.83	37.39	38.99
Madeira.....	39.38	—	39.51	—	44.30	34.53	39.23	39.57
Norway.....	50.15	48.16	47.82	50.37	48.61	48.36	48.03	48.47
Faroe Islands.....	48.75	51.00	—	—	—	49.80	46.40	47.12
Iceland.....	50.92	51.06	50.36	51.15	50.85	51.70	51.78	50.85
West Greenland.....	—	—	—	—	—	50.69	51.50	55.21
Newfoundland.....	45.00	—	—	51.00	54.00	47.29	55.71	51.62
Pacific North:—								
California.....	41.34	40.18	39.34	43.38	42.59	45.75	44.43	43.22
Oregon.....	—	—	48.67	—	—	—	—	—
British Columbia.....	39.80	39.09	—	—	40.31	39.71	40.89	41.56
Bering Sea.....	44.67	46.31	45.25	46.06	45.72	46.05	44.79	45.55
Kamtschatka.....	41.85	41.89	43.92	44.58	45.64	44.75	44.46	43.65
Kuril Islands.....	37.07	37.35	37.97	38.27	38.65	38.13	39.02	39.71
Japan.....	37.66	36.85	37.15	37.01	36.49	36.47	36.31	36.70
Ryukyu Islands.....	37.00	—	39.44	39.93	39.29	—	—	—
South Pacific Ocean, pel...	—	40.53	—	—	—	—	43.67	—
Indian Ocean, pel.....	—	39.08	—	—	—	—	43.77	—
Peru.....	—	—	40.58	38.01	—	—	—	39.80
Chile.....	34.47	34.53	34.59	36.92	37.04	38.24	37.95	37.96
Australia.....	42.35	43.55	43.54	42.94	44.08	42.61	42.86	44.85
New Zealand.....	46.74	43.00	—	—	—	—	—	48.50

1) Earlier 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.	Sel.	Sperm.	Others.	Total of whales		Shore stations.	Iceab-fac-tories.	Catch-ers.	
<i>North Atlantic and Arctic. Total</i>	1951	52	1,300	40	181	178	—	1,751	Barr. <sup>1)</sup> 61,635	11	—	32	
	1952	15	635	3	51	59	—	763	25,172	7	—	18	
	1953	15	585	8	145	148	<sup>2)</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	
	1962	1	454	—	47	234	—	736	29,843	5	—	13	
	1963	—	328	—	20	252	—	600	27,315	4	—	11	
<i>Norway.</i>	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>2)</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>2)</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	
	1962	1	145	—	3	91	—	240	9,020	3	—	8	
	1963	—	42	—	—	107	—	149	6,613	2	—	6	
<i>Scotland.</i>	1951	4	13	—	3	1	—	21	791	1	—	1	
<i>Faroe Islands.</i>	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	
	—	—	—	—	—	—	—	—	—	—	—	—	
	1962	—	6	—	—	7	—	13	466	1	—	1	
1963	—	3	—	—	8	—	11	490	1	—	1		
<i>Iceland.</i>	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.  $\frac{1}{6}$  long ton). <sup>2)</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.		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	
	1962	-	303	-	44	136	-	483	20,357	1	-	4	
	1963	-	283	-	20	136	-	439	20,212	1	-	4	
<i>West Greenland.</i>	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	-	-	-	1	
	1961	-	-	1	-	-	-	1	-	-	-	-	
<i>Newfoundland and Labrador.</i>	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	-	-	-	-		
1963	-	-	-	-	1	-	1	-	-	-	-		

<sup>1)</sup> Bottlenoses. <sup>2)</sup> Calculated.

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	13,958	-	-	-
1959	-	-	-	-	485	-	485	12,148	-	-	-
1960	-	-	-	-	438	-	438	11,636	-	-	-
1961	-	-	-	-	374	-	374	10,534	-	-	-
1962	-	-	-	-	412	-	412	12,651	-	-	-
1963	-	-	-	-	472	-	472	13,510	-	-	-

<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	813	—	—	—
1961	—	—	4	—	129	—	133	3,365	—	—	—
1962	—	—	—	—	171	—	171	3,971	—	—	—
1963	—	—	—	—	186	—	186	3,990	—	—	—

<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
1962	—	—	—	—	167	<sup>1)</sup> 31	198	4,440	2	—	3
1963	—	—	—	—	113	<sup>1)</sup> 13	126	2,963	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.
1950	—	34	—	—	10	—	44	764	1	—	3
1951	1	9	—	—	11	<sup>1)</sup> 1	22	505	1	—	3

<sup>1)</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> —
1962	—	—	—	—	358	—	358	13,324	—	<sup>1)</sup> (6)	<sup>1)</sup> —
1963	—	—	—	—	435	—	435	12,748	—	<sup>1)</sup> (7)	<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.	Sel.	Sperm.	Others.	Total of whales.		Barrels.	Shore stations.	Floating factories.	Catchers.	
<i>Africa. Total.</i>	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	908	1,489	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	
	1962	8	541	46	707	2,581	1)	64	3,947	96,783	2	—	16	
	1963	7	402	40	1,090	2,462	1)	54	4,055	95,284	2	—	18	
<i>Natal.</i>	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	2	—	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	
	1962	7	489	37	319	1,640		—	2,492	67,809	1	—	11	
	1963	5	346	37	369	1,771	1)	3	2,531	69,148	1	—	12	
<i>Cape Province.</i>	1951	4	218	9	237	211	1)	23	702	14,589	1	—	7	
	1952	11	303	15	711	331		—	1,371	30,875	1	—	12	
	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	
	1962	1	52	9	388	941	1)	64	1,455	28,974	1	—	5	
	1963	2	56	3	721	691	3)	51	1,524	26,136	1	—	6	
	<i>Gabon</i> <sup>4)</sup>	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>	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> 50 Bryde-whales and 1 Minke-whale. <sup>4)</sup> Earlier 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.		Barrels.	Shore stations.	Floating factories.	Catchers.
<i>Pacific North. Total.</i>	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	<sup>3)</sup> 14		539	18,255	1	—	5
	1954	11	150	106	134	226	<sup>1)</sup> 3		630	17,507	1	—	6
	1955	11	120	37	139	320	<sup>1)</sup> 3		630	18,164	1	—	6
	1956	14	171	161	37	136	<sup>1)</sup> 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	234	<sup>1)</sup> 2		1,402	38,536	6	—	17
	1960	1	138	234	48	30	<sup>1)</sup> 2		453	12,586	5	—	14
	1961	2	118	154	51	113	<sup>1)</sup> 4		442	11,435	5	—	12
	1962	29	281	79	362	232	<sup>1)</sup> 1		984	23,590	7	—	18
	1963	36	241	79	251	225	<sup>1)</sup> 5		837	22,839	5	—	12
<i>California.</i>	1951	—	9	4	—	26	<sup>1)</sup> 1		40	1,358	1	—	2
	—	—	—	—	—	—	—	—	—	—	—	—	—
	1956	—	3	133	—	9	—		145	5,760	1	—	2
	1957	—	22	199	1	14	<sup>1)</sup> 1		237	8,741	1	—	3
	1958	26	109	115	2	8	<sup>1)</sup> 1		261	8,518	2	—	4
	1959	5	106	140	39	17	<sup>1)</sup> 2		309	10,430	2	—	5
	1960	1	138	67	47	16	<sup>1)</sup> 2		271	8,743	2	—	5
	1961	2	118	62	51	101	<sup>1)</sup> 4		338	9,148	2	—	5
1962	2	123	39	22	60	—		246	6,981	2	—	5	
1963	6	16	55	97	77	<sup>1)</sup> 2		253	5,554	2	—	5	
<i>Oregon.</i>	1961	—	—	2	—	3	—		5	106	1	—	1
	1962	—	1	—	—	—	—		1	6	1	—	1
	1963	—	5	—	—	—	—		5	69	1	—	1
<i>British Columbia.</i>	1951	9	216	51	5	153	<sup>2)</sup> 3		437	14,433	1	—	6
	1952	16	240	61	22	126	—		465	16,220	1	—	5
	1953	8	181	47	14	275	<sup>3)</sup> 14		539	18,255	1	—	5
	1954	11	150	106	134	226	<sup>1)</sup> 3		630	17,507	1	—	6
	1955	11	120	37	139	320	<sup>1)</sup> 3		630	18,164	1	—	6
	1956	14	168	28	37	127	<sup>1)</sup> 1		375	12,728	1	—	6
	1957	15	284	49	93	190	<sup>1)</sup> 4		635	19,241	1	—	6
	1958	8	573	40	39	112	<sup>1)</sup> 2		774	22,173	1	—	6
	1959	28	369	27	185	260	—		869	22,777	1	—	6
	1962	27	157	16	340	172	<sup>1)</sup> 1		713	16,151	1	—	6
	1963	30	220	24	154	147	<sup>1)</sup> 3		578	17,208	1	—	5
<i>Bonin Island, pelagic.</i>	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
	1958	—	—	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
	1962	—	—	24	—	—	—		24	452	3	—	6
	1963	—	—	—	—	1	—		1	8	1	—	1

<sup>1)</sup> Baird's beaked whales. <sup>2)</sup> 1 right-whale, 1 Calif. Grey-whale, 1 Baird's beaked whale. <sup>3)</sup> 10 grey-whales and 4 Baird's beaked whales.

Table q.—Japan.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
1951	47	209	4	419	1,283	—	1,962	29,611	17	—	25
1952	27	231	3	666	1,071	—	1,998	28,635	18	—	25
1953	22	246	9	585	1,186	—	2,048	31,362	18	—	25
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	2,588	—	3,644	60,966	20	—	25
1959	5	127	4	1,340	2,104	—	3,580	52,648	19	—	25
1960	1	131	2	788	2,107	—	3,029	48,403	19	—	24
1961	3	71	4	782	2,101	—	2,961	44,665	18	—	25
1962	5	39	1	1,229	1,685	—	2,959	44,409	15	—	25
1963	2	67	3	855	1,714	—	2,641	48,692	13	—	21

<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.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
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
1958	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>1)</sup> 3	3,338	151,059	—	2	15
1962	48	1,166	17	260	2,549	<sup>1)</sup> 3	4,043	184,249	—	3	21
1963	57	1,045	10	945	2,700	<sup>1)</sup> 3	4,760	194,654	—	3	21

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

Table s.—Kamtchatka.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
1951	7	90	1	16	765	<sup>1)</sup> 5	884	32,650	—	1	5
1952	7	234	17	13	731	<sup>2)</sup> 4	1,006	34,811	—	1	5
1953	11	145	11	26	865	<sup>3)</sup> 3	1,061	41,493	—	1	5
1954	12	238	21	22	816	<sup>4)</sup> 3	1,112	36,264	—	1	5
1955	4	79	8	28	996	<sup>3)</sup> 1	1,116	38,248	—	1	5
1956	7	65	31	16	998	<sup>5)</sup> 2	1,119	40,571	—	1	6
1957	9	81	50	36	1,174	<sup>3)</sup> 1	1,351	49,282	—	1	7
1958	—	39	10	19	1,430	<sup>3)</sup> 2	1,500	60,013	—	1	7
1959	22	132	74	93	1,560	—	1,881	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>6)</sup> 15
1962	19	438	1,213	303	1,955	—	3,928	116,183	—	2	28
1963	347	1,060	2,242	514	5,125	<sup>7)</sup> 3	9,291	287,555	—	4	<sup>8)</sup> 46

<sup>1)</sup> 2 Minke-whales and 3 bottlenoses. <sup>2)</sup> 2 Minke-whales and 2 bottlenoses. <sup>3)</sup> Bottlenoses. <sup>4)</sup> 1 Minke-whale and 2 bottlenoses. <sup>5)</sup> 1 Minke-whale and 1 bottlenose. <sup>6)</sup> Incl. 4 catchers which also operated from Kuril Islands. <sup>7)</sup> Baird's beaked whales. <sup>8)</sup> Incl. 2 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.
								Barrels.			
1951	9	156	8	52	1,462	<sup>1)</sup> 12	1,699	40,062	5	—	13
1952	17	241	9	188	1,641	<sup>2)</sup> 9	2,105	51,458	5	—	12
1953	10	179	6	86	1,521	<sup>3)</sup> 16	1,818	42,586	5	—	13
1954	23	266	8	126	1,192	<sup>4)</sup> 18	1,633	49,394	5	—	13
1955	27	219	23	128	1,494	<sup>5)</sup> 24	1,915	43,979	5	—	13
1956	45	241	10	171	1,693	<sup>6)</sup> 19	2,179	54,249	4	—	15
1957	44	173	2	108	1,821	<sup>7)</sup> 14	2,162	52,415	4	—	14
1958	14	328	4	336	2,184	<sup>8)</sup> 9	2,875	62,478	4	—	22
1959	19	223	5	131	1,878	<sup>9)</sup> 9	2,265	52,143	3	—	19
1960	14	265	3	140	1,487	<sup>10)</sup> 22	1,931	45,032	3	—	13
1961	15	156	19	52	1,401	<sup>11)</sup> 4	1,647	34,535	3	—	15
1962	11	77	2	79	1,347	<sup>12)</sup> 3	1,519	28,570	2	—	10
1963	1	90	5	16	659	<sup>13)</sup> 2	773	16,269	2	—	5

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

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.
								Barrels.			
1951	—	—	28	151	—	—	179	2,925	1	—	2
1952	—	—	10	157	1	—	168	2,171	2	—	2
1953	—	—	8	161	1	<sup>1)</sup> 5	175	2,837	2	—	2
1954	—	—	18	183	1	—	202	3,636	1	—	2
1955	—	—	9	200	1	<sup>2)</sup> 3	213	3,530	2	—	2
1956	—	1	14	196	3	<sup>3)</sup> 3	217	3,596	2	—	3
1957	—	—	—	115	2	<sup>3)</sup> 5	122	1,300	2	—	3
1958	—	1	5	118	4	—	128	2,524	1	—	2
1959	—	—	8	294	11	<sup>4)</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
1962	1	49	11	610	85	—	756	13,446	2	—	3
1963	—	4	12	346	42	<sup>4)</sup> 2	406	6,327	2	—	3

<sup>1)</sup> Right-whales. <sup>2)</sup> 1 right-whale, 2 Minke-whales. <sup>3)</sup> No specification. <sup>4)</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.
								Barrels.			
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
1962	—	—	—	—	3,301	—	3,301	67,189	3	—	9
1963	—	—	—	—	3,241	—	3,241	60,903	3	—	9

Table w.—Chile.

Years.	Species of whales caught.							Oil production. Barrels.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
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
1962	11	34	4	9	2,280	—	2,338	39,125	2	—	10
1963	31	11	1	6	1,494	—	1,543	30,047	2	—	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> —
1962	—	—	—	—	164	—	164	4,053	—	<sup>2)</sup> (1)	<sup>2)</sup> —
1963	—	—	—	—	1,219	—	1,219	26,812	—	<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> —
1962	—	—	—	—	371	—	371	7,801	—	<sup>2)</sup> (6)	<sup>2)</sup> —
1963	—	—	—	—	2,005	—	2,005	41,915	—	<sup>2)</sup> (12)	<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.

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	—	—	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	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
1962	4	—	720	2	592	<sup>2)</sup> 2	1,320	55,053	5	—	13
1963	1	—	87	3	629	—	720	28,111	2	—	8

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

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
1962	—	—	32	—	3	—	35	1,538	2	—	6
1963	—	—	9	—	114	—	123	5,111	1	—	1



**Table z.<sup>2</sup>—Production of by-products in the Antarctic and on other whaling grounds 1957/58—1962/63.**

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
1957-58..... Total	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
1959-60..... „	84,511	1,910	254	—	143,434	6,212	31,309
1960-61..... „	86,227	2,409	251	—	163,695	7,848	39,875
<i>1961-62.</i>							
Antarctic .....	47,696	2,336	102	—	178,670	—	39,985
Africa:—Natal ....	5,543	—	<sup>1)</sup> —	—	—	3,014	426
Cape Province ...	2,850	—	—	—	877	—	67
Brazil: Paraiba ...	322	—	—	—	1,867	—	14
Cabo Frio ..	689	53	1	—	2,595	—	42
North Atl. and Arctic							
Azores .....	295	—	—	—	—	—	—
Madeira .....	149	—	—	—	—	—	—
Spain .....	315	—	—	—	285	—	—
Norway .....	683	29	—	—	1,809	—	—
Iceland .....	2,325	—	—	—	2,821	—	—
Faroe Islands....	—	—	—	—	54	—	—
Pacific North:—							
California .....	1,282	—	—	—	1,919	—	—
Oregon .....	2	—	—	—	5	—	—
British Columbia.	2,376	—	<sup>2)</sup> —	—	2,806	999	—
Kamtchatka.....	1,684	437	—	—	716	—	2
Kuril Islands ...	833	135	—	—	—	—	285
Bering Sea .....	—	15	126	—	23,438	—	6,129
Japan .....	5,428	—	—	—	10,435	—	1,662
Ryukyu Islands..	44	—	—	—	219	—	13
Peru .....	4,028	—	—	—	—	—	—
Chile .....	833	—	—	—	1	1,514	2
Australia.....	2,555	—	—	—	350	1,455	—
New Zealand .....	17	4	—	—	134	—	—
Total	79,949	3,009	229	—	229,001	6,982	48,627
<i>1962-63.</i>							
Antarctic .....	35,503	1,690	87	—	163,688	—	28,692
Africa:—Natal ....	5,525	—	<sup>3)</sup> —	—	—	3,481	458
Cape Province ...	2,635	—	—	—	1,070	—	99
Brazil: Paraiba ...	318	—	—	—	993	—	13
Cabo Frio	113	13	1	—	746	—	30
North Atl. and Arctic							
Azores .....	301	—	—	—	—	—	—
Madeira.....	143	—	—	—	—	—	—
Spain .....	175	—	—	—	167	—	—
Norway .....	269	8	—	—	587	—	—
Iceland .....	2,376	—	—	—	2,255	—	—
Faroe Islands ...	12	—	—	—	23	—	—
Pacific North:—							
California .....	1,168	—	—	—	1,244	—	—
Oregon .....	9	—	—	—	43	64	—
British Columbia.	2,732	—	<sup>4)</sup> —	—	1,127	958	—
Kamtchatka.....	7,934	552	<sup>5)</sup> —	—	4,090	—	—
Kuril Islands....	604	89	—	—	—	—	218
Bering Sea... ..	62	—	117	—	18,431	—	5,607
Japan .....	5,336	—	—	—	8,455	—	3,277
Ryukyu Islands..	1	—	—	—	2	—	—
Peru .....	3,618	—	—	—	—	—	—
Chile .....	843	—	—	—	30	1,835	1
Australia.....	5,228	—	—	—	38	9,816	—
New Zealand.....	—	1	—	—	153	—	—
Total	74,905	2,353	205	—	203,142	16,154	38,395

<sup>1)</sup> 562,910 Mill. units liver oil (Vitamin A) were produced. <sup>2)</sup> 926,752 Mill. units liver oil (Vitamin A) were produced. Further were produced of Vitamin A (Vitaminoil). <sup>3)</sup> 1,030,023 mill. units. <sup>4)</sup> 325,600 mill. units. <sup>5)</sup> 5,771,000 mill. units.

**Table Z<sup>3</sup>.—Catch of small whales in the years 1958/59—1962/63, 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>1958—59.</i>							
Norway .....	3,091	94	224	69	—	—	—
Faroe Islands .....	—	—	1,422	—	—	—	—
Greenland .....	19	—	—	—	—	—	—
Newfoundland .....	18	—	1,725	—	—	—	—
Hudson Bay .....	—	—	—	—	268	—	—
California .....	—	—	—	—	—	2	—
Japan .....	280	—	144	36	—	186	391
U.S.S.R. ....	1	8	—	36	—	—	—
Brazil .....	2	—	—	—	—	—	—
Antarctic .....	103	—	—	110	—	—	—
Total	3,514	102	3,515	251	268	188	391
<i>1959—60.</i>							
Norway .....	3,429	193	331	82	—	—	—
Faroe Islands .....	22	—	1,680	—	—	—	—
Greenland .....	21	..	5	..	186	..	<sup>2)</sup> 379
Newfoundland .....	11	—	1,957	—	—	—	—
Hudson Bay .....	—	—	—	—	385	—	—
California .....	—	—	—	—	—	2	—
Japan .....	253	—	168	48	—	147	178
U.S.S.R. ....	4	18	—	53	—	—	—
Antarctic .....	204	—	—	55	—	—	—
Total	3,944	211	4,141	238	571	149	557
<i>1960—61.</i>							
Norway .....	3,219	87	295	111	—	—	—
Faroe Islands .....	—	—	1,892	—	—	—	27
Greenland .....	26	—	—	—	33 <sup>3)</sup>	—	<sup>3)</sup> 7
Newfoundland .....	22	—	6,262	—	—	—	—
Hudson Bay .....	—	—	—	—	93	—	—
California .....	—	—	—	—	—	4	—
Japan .....	332	—	133	54	—	133	305
U.S.S.R. ....	1	3	—	4	—	—	—
Antarctic .....	162	—	—	64	—	—	—
Total	3,762	90	8,582	233	126	137	339
<i>1961—62.</i>							
Norway .....	3,286	321	43	124	—	—	—
Faroe Islands .....	—	—	1,762	—	—	—	—
Greenland .....	58	—	—	—	10	—	—
Newfoundland .....	45	—	150	—	—	—	—
Hudson Bay .....	—	—	—	—	174	—	—
British Columbia .....	—	—	—	—	—	1	—
Nova Scotia .....	5	40	70	—	—	—	—
Northwest Territories ..	—	—	—	—	97	—	—
Japan .....	238	—	80	47	—	145	377
U.S.S.R. ....	1	2	—	7	—	—	—
Antarctic .....	2	—	—	—	—	1	—
Total	3,635	363	2,105	178	281	147	377
<i>1962—63.</i>							
South Africa .....	1	—	—	—	—	—	—
Norway .....	3,233	267	71	90	—	—	—
Faroe Islands .....	—	3	2,194	—	—	—	—
Newfoundland .....	18	—	221	—	—	—	—
British Columbia .....	—	—	—	—	—	3	—

<sup>1</sup> 1958—59 = Antarctic season 1958—59 and summer 1959, a.s.o. <sup>2</sup> Incl. probably some white-whales.  
<sup>3</sup> Up to March 31st incl.

Table Z<sup>3</sup> (cont.).

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>1962—63 cont.</i>							
Hudson Bay .....	—	—	—	—	160	—	—
Nova Scotia.....	—	22	—	—	—	—	—
Northwest Territories .	—	—	—	—	189	—	—
California .....	—	—	—	1	—	2	—
Japan .....	220	—	228	43	—	160	179
U.S.S.R. ....	—	—	—	20	—	5	—
Brazil .....	2	—	—	—	—	—	—
Antarctic .....	21	2	—	1	—	—	—
Total	3,495	294	2,714	155	349	170	179

<sup>1)</sup> 1958—59 = Antarctic season 1958—59 and summer 1959, a. s. o.

Table Z<sup>4</sup>.—Catch of Minke-whales (*Balaenoptera Acutorostrata*) 1959—1963, by months and whaling grounds.

Grounds	Year	Months												Total	
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Des.		
Norway:—															
Total .....	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
	1962	—	—	31	129	657	1,376	348	659	86	—	—	—	—	3,286
	1963	—	—	14	161	835	1,273	328	557	65	—	—	—	—	3,233
Of which:															
Coastal districts <sup>1)</sup>	1959	—	—	—	—	—	—	—	—	—	—	—	—	—	1,271
	1960	—	—	—	—	—	—	—	—	—	—	—	—	—	1,428
	1961	—	—	—	—	—	—	—	—	—	—	—	—	—	1,411
	1962	—	—	—	—	—	—	—	—	—	—	—	—	—	1,501
	1963	—	—	—	—	—	—	—	—	—	—	—	—	—	1,620
Barents Sea, Spitzbergen and Bear Island <sup>2)</sup>	1959	—	—	—	—	—	—	—	—	—	—	—	—	—	1,355
	1960	—	—	—	—	—	—	—	—	—	—	—	—	—	1,503
	1961	—	—	—	—	—	—	—	—	—	—	—	—	—	1,374
	1962	—	—	—	—	—	—	—	—	—	—	—	—	—	1,248
	1963	—	—	—	—	—	—	—	—	—	—	—	—	—	1,168
Shetland <sup>1)</sup> .....	1959	—	—	—	—	—	—	—	—	—	—	—	—	—	465
	1960	—	—	—	—	—	—	—	—	—	—	—	—	—	498
	1961	—	—	—	—	—	—	—	—	—	—	—	—	—	434
	1962	—	—	—	—	—	—	—	—	—	—	—	—	—	537
	1963	—	—	—	—	—	—	—	—	—	—	—	—	—	445
Denmark:—															
Faroe Islands....	1960	—	—	—	22	—	—	—	—	—	—	—	—	—	22
Greenland .....	1959	—	—	—	—	—	6	7	2	3	1	—	—	—	19
	1960	—	—	—	—	6	7	1	—	1	1	—	—	—	<sup>3)</sup> 21
	1961	—	—	—	2	5	5	3	2	3	2	2	—	—	<sup>4)</sup> 26
	1962	—	—	—	2	6	4	6	8	17	11	3	1	—	58
United Kingdom:—															
Antarctic .....	1958/59	—	—	—	—	—	—	—	—	—	—	—	—	—	1
	1959/60	—	—	—	—	—	—	—	—	—	—	—	—	—	1
Canada:—															
Newfoundland ..	1959	—	—	—	—	2	5	10	1	—	—	—	—	—	18
	1960	—	—	—	—	—	3	6	1	1	—	—	—	—	11
	1961	—	—	—	—	—	8	11	2	1	—	—	—	—	22
	1962	—	—	—	—	—	—	—	—	—	—	—	—	—	45
	1963	—	—	—	—	—	—	—	—	—	—	—	—	—	18
Nova Scotia ....	1962	—	—	—	—	—	—	—	—	—	—	—	—	—	5

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

<sup>2)</sup> Catching period permitted: March 15 th—June 30 th, 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.	
<b>Japan:—</b>														
Coastal districts	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
	1962	—	—	6	53	85	56	31	1	3	3	—	—	238
	1963	—	—	6	35	46	43	44	34	11	1	—	—	220
Brazil . . . . .	1959	—	—	—	—	—	—	—	—	1	—	1	—	2
	1963	—	—	—	—	—	—	—	—	1	1	—	—	2
<b>Africa:—</b>														
Cape Province.	1963	—	—	—	—	—	—	—	—	1	—	—	—	1
<b>U.S.S.R.:—</b>														
Kuril Islands ..	1959	—	—	—	—	—	—	—	1	—	—	—	—	1
	1960	—	—	—	—	1	—	1	2	—	—	—	—	4
	1961	—	—	—	—	—	1	—	—	—	—	—	—	1
	1962	—	—	—	—	—	1	—	—	—	—	—	—	1
Antarctic . . . . .	1958/59	9	—	—	—	—	—	—	—	—	—	38	55	102
	1959/60	—	—	—	—	—	—	—	—	—	—	63	140	203
	1960/61	3	15	4	—	—	—	—	—	—	—	40	100	162
	1961/62	1	—	—	1	—	—	—	—	—	—	—	—	2
	1962/63	2	2	15	—	—	—	—	—	—	—	1	1	21

Table Z<sup>5</sup>.—Catch of Bottlenoses (*Hyperoodon Rostrata*) 1959—1963, by months and whaling grounds.

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
<b>Norway:—</b>														
Total . . . . .	1959	—	—	—	8	29	49	2	1	1	4	—	—	94
	1960	—	—	—	30	110	51	—	2	—	—	—	—	193
	1961	—	—	—	8	50	11	10	8	—	—	—	—	87
	1962	—	—	—	—	124	91	90	15	1	—	—	—	321
	1963	—	—	—	25	79	128	31	1	3	—	—	—	267
<b>Of which:</b>														
Coastal districts <sup>1)</sup> ..	1959	—	—	—	—	—	—	—	—	—	—	—	—	24
	1960	—	—	—	—	—	—	—	—	—	—	—	—	43
	1961	—	—	—	—	—	—	—	—	—	—	—	—	28
	1962	—	—	—	—	—	—	—	—	—	—	—	—	5
	1963	—	—	—	—	—	—	—	—	—	—	—	—	36
Barents Sea, Spitzbergen and Bear Island <sup>2)</sup>	1959	—	—	—	—	—	—	—	—	—	—	—	—	69
	1960	—	—	—	—	—	—	—	—	—	—	—	—	150
	1961	—	—	—	—	—	—	—	—	—	—	—	—	49
	1962	—	—	—	—	—	—	—	—	—	—	—	—	131
	1963	—	—	—	—	—	—	—	—	—	—	—	—	83
Shetland <sup>1)</sup> . . . . .	1959	—	—	—	—	—	—	—	—	—	—	—	—	1
	1960	—	—	—	—	—	—	—	—	—	—	—	—	—
	1961	—	—	—	—	—	—	—	—	—	—	—	—	10
	1962	—	—	—	—	—	—	—	—	—	—	—	—	185
	1963	—	—	—	—	—	—	—	—	—	—	—	—	148
<b>Denmark:—</b>														
Faroe Islands . . . . .	1963	—	—	—	—	—	—	—	—	3	—	—	—	3

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

Table Z<sup>5</sup> (cont.).

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Canada:—														
Nova Scotia . . . . .	1962	—	—	—	—	—	—	—	—	—	—	—	—	—
	1963	—	—	—	—	—	—	—	—	—	—	—	—	—
U.S.S.R.:—														
Kuril Islands . . . . .	1959	—	—	—	1	1	3	—	2	1	—	—	—	—
	1960	—	—	—	—	—	4	—	1	1	12	—	—	—
	1961	—	—	—	—	—	1	1	—	—	1	—	—	—
	1962	—	—	—	—	—	1	1	—	—	—	—	—	—
Antarctic . . . . .	1963	—	—	2	—	—	—	—	—	—	—	—	—	—

Table Z<sup>6</sup>.—Catch of Pilot-whales (*Globicephala Melaena*) 1959—1963, by months and whaling grounds.

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Norway:—														
Total . . . . .	1959	—	—	—	—	—	2	19	191	12	—	—	—	—
	1960	—	—	—	—	22	—	37	266	6	—	—	—	—
	1961	—	—	—	—	3	1	23	267	1	—	—	—	—
	1962	—	—	—	—	3	—	2	38	—	—	—	—	—
	1963	—	—	—	—	7	10	—	54	—	—	—	—	—
Of which:														
Coastal districts <sup>1)</sup>	1959	—	—	—	—	—	—	—	—	—	—	—	—	—
	1960	—	—	—	—	—	—	—	—	—	—	—	—	—
	1961	—	—	—	—	—	—	—	—	—	—	—	—	—
	1962	—	—	—	—	—	—	—	—	—	—	—	—	—
	1963	—	—	—	—	—	—	—	—	—	—	—	—	—
Shetland <sup>1)</sup> . . . . .	1959	—	—	—	—	—	—	—	—	—	—	—	—	—
	1960	—	—	—	—	—	—	—	—	—	—	—	—	—
	1961	—	—	—	—	—	—	—	—	—	—	—	—	—
	1962	—	—	—	—	—	—	—	—	—	—	—	—	—
	1963	—	—	—	—	—	—	—	—	—	—	—	—	—
Denmark:—														
Faroe Islands . . . . .	1959	129	—	—	—	123	355	381	434	—	—	—	—	—
	1960	—	—	—	90	—	367	710	306	207	—	—	—	—
	1961	—	—	—	—	59	505	533	157	270	112	—	256	—
	1962	—	—	—	—	244	140	460	371	228	36	122	152	—
	1963	176	250	—	—	—	—	—	799	667	70	55	177	—
Canada:—														
Newfoundland	1959	—	—	—	—	—	—	263	390	815	157	100	—	—
	1960	—	—	—	—	—	141	107	807	902	—	—	—	—
	1961	—	—	—	—	—	151	441	2,815	2,334	521	—	—	—
	1962	—	—	—	—	—	—	—	—	—	—	—	—	—
	1963	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia . . . . .	1962	—	—	—	—	—	—	—	—	—	—	—	—	—
Japan:—														
Coastal districts	1959	—	1	13	19	18	52	7	2	4	10	15	3	—
	1960	5	8	9	13	13	36	14	22	9	17	10	12	—
	1961	1	8	2	3	31	17	8	22	12	5	10	14	—
	1962	—	2	2	2	6	1	—	—	16	22	28	1	—
	1963	—	9	1	15	5	28	30	30	9	29	43	29	—

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

Table Z<sup>7</sup>.—Catch of Killer-whales (*Orcinus orca*) 1959—1963, by months and whaling grounds.

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Norway:—														
Total .....	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
	1962	—	3	23	9	16	11	15	38	9	—	—	—	124
	1963	—	—	10	7	29	20	4	18	2	—	—	—	90
Of which:														
Coastal districts <sup>1)</sup> ...	1959	—	—	—	—	—	—	—	—	—	—	—	—	13
	1960	—	—	—	—	—	—	—	—	—	—	—	—	40
	1961	—	—	—	—	—	—	—	—	—	—	—	—	57
	1962	—	—	—	—	—	—	—	—	—	—	—	—	46
	1963	—	—	—	—	—	—	—	—	—	—	—	—	47
Barents Sea, Spitzbergen and Bear Island <sup>2)</sup>	1959	—	—	—	—	—	—	—	—	—	—	—	—	24
	1960	—	—	—	—	—	—	—	—	—	—	—	—	14
	1961	—	—	—	—	—	—	—	—	—	—	—	—	11
	1962	—	—	—	—	—	—	—	—	—	—	—	—	11
	1963	—	—	—	—	—	—	—	—	—	—	—	—	15
Shetland <sup>1)</sup> .....	1959	—	—	—	—	—	—	—	—	—	—	—	—	32
	1960	—	—	—	—	—	—	—	—	—	—	—	—	28
	1961	—	—	—	—	—	—	—	—	—	—	—	—	43
	1962	—	—	—	—	—	—	—	—	—	—	—	—	67
	1963	—	—	—	—	—	—	—	—	—	—	—	—	28
Japan:														
Coastal districts ..	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	5	5	5	2	54
	1962	—	5	2	5	—	4	5	5	13	8	—	—	47
	1963	—	3	2	5	2	2	3	—	1	1	12	12	43
U.S.A.:—														
California .....	1963	—	—	—	—	—	1	—	—	—	—	—	—	1
U.S.S.R.:—														
Kamtschatka.....	1959	—	—	—	—	—	—	—	—	—	—	—	—	—
	1960	—	—	—	—	—	—	8	—	—	—	—	—	8
	1963	—	—	—	—	—	—	—	6	10	—	—	—	16
Kuril Islands .....	1959	—	—	—	—	25	8	—	3	—	—	—	—	36
	1960	—	—	—	2	3	—	15	1	3	21	—	—	45
	1961	—	—	—	—	—	4	—	—	—	—	—	—	4
	1962	—	—	—	—	—	3	—	1	3	—	—	—	7
	1963	—	—	—	—	—	3	—	1	—	—	—	—	4
Antarctic .....	1958-59	—	—	—	—	—	—	—	—	—	—	36	74	110
	1959-60	—	—	—	—	—	—	—	—	—	—	25	30	55
	1960-61	—	—	8	—	—	—	—	—	—	—	19	37	64
	1961-62	—	—	—	—	—	—	—	—	—	—	—	—	—
	1962-63	—	—	1	—	—	—	—	—	—	—	—	—	1

<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>9</sup>.—Catch of White-whales, (*Delphinapterus leucas*) 1959—1963, by months and whaling grounds.**

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Canada:—														
Hudson Bay .....	1959	—	—	—	—	—	—	—	—	—	—	—	—	268
	1960	—	—	—	—	—	—	—	—	—	—	—	—	385
	1961	—	—	—	—	—	—	3	52	38	—	—	—	93
	1962	—	—	—	—	—	—	—	—	—	—	—	—	174
	1963	—	—	—	—	—	—	—	—	—	—	—	—	160
Northwest Territories .....	1962	—	—	—	—	—	—	—	—	—	—	—	—	97
	1963	—	—	—	—	—	—	—	—	—	—	—	—	189
Greenland:—	1962	—	—	7	3	—	—	—	—	—	—	—	—	10

**Table Z<sup>9</sup>.—Catch of Baird's beaked whales (*Berardius Bairdii*) 1959—1963, by months and whaling grounds.**

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
U.S.A.:—														
California .....	1959	—	—	—	—	—	—	—	—	1	1	—	—	2
	1960	—	—	—	—	—	—	—	—	1	1	—	—	2
	1961	—	—	—	—	—	1	3	—	—	—	—	—	4
	1962	—	—	—	—	—	—	—	—	—	—	—	—	—
	1963	—	—	—	—	1	—	1	—	—	—	—	—	2
Canada:—														
British Columbia ..	1962	—	—	—	—	—	—	—	1	—	—	—	—	1
	1963	—	—	—	—	1	—	—	2	—	—	—	—	3
Japan:—														
Coastal districts ...	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
	1962	—	—	—	—	4	8	38	50	20	15	9	1	145
	1963	—	—	—	—	4	11	13	41	39	31	17	4	160
U.S.S.R.:—														
Kamtchatka .....	1963	—	—	—	1	—	—	—	—	2	—	—	—	3
Kuril Islands .....	1963	—	—	—	—	—	1	—	1	—	—	—	—	2
Antarctic .....	1962	—	—	—	1	—	—	—	—	—	—	—	—	1

**Table Z<sup>10</sup>.—Catch of others or unspecified small whales 1959—1963, 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
	1961	—	—	—	—	—	—	—	—	27	—	—	—	27
Japan:—														
Coastal districts ...	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
	1962	45	13	26	42	27	30	11	1	9	4	27	142	377
	1963	5	19	19	16	15	1	6	9	12	7	32	38	179

## TABLES

Antarctic season 1962/63 and summer season 1963.

Table No. 1.—Whaling in 1962/63 and summer 1963.

Geographical areas.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels <sup>1)</sup>			
Antarctic, pelagic whaling .....	947	18,668	270	5,503	4,771	1) 23	30,182	1,495,779	—	17	201
Africa:—											
Natal .....	5	346	37	369	1,771	2) 3	2,531	69,148	1	—	12
Cape Province ...	2	56	3	721	691	3) 51	1,524	26,136	1	—	6
Brazil .....	—	4	12	346	42	4) 2	406	6,327	2	—	3
North Atlantic and Arctic:—											
Azores .....	—	—	—	—	472	—	472	13,510	—	—	—
Madeira .....	—	—	—	—	186	—	186	3,990	—	—	—
Spain .....	—	—	—	—	113	5) 13	126	2,963	2	—	3
Norway .....	—	42	—	—	107	—	149	6,613	2	—	6
Faroe Islands ...	—	3	—	—	8	—	11	490	1	—	1
Iceland .....	—	283	—	20	136	—	439	20,212	1	—	4
Newfoundland ..	—	—	—	—	1	—	1	—	—	—	—
Pacific North:—											
California .....	6	16	55	97	77	6) 2	253	5,554	2	—	5
Oregon .....	—	5	—	—	—	—	5	69	1	—	1
British Columbia.	30	220	24	154	147	6) 3	578	17,208	1	—	5
N. Pacific Ocean and Bering Sea, pelagic .....	57	1,045	10	945	2,700	7) 3	4,760	194,654	—	3	21
Kamtschatka, pel.	347	1,060	2,242	514	5,125	8) 3	9,291	287,555	—	4	8) 46
Kuril Islands....	1	90	5	16	659	6) 2	773	16,269	2	—	5
Japan .....	2	67	3	855	1,714	—	2,641	48,692	13	—	21
Ryukyu Islands .	—	—	—	—	1	—	1	8	1	—	1
Peru .....	—	—	—	—	3,241	—	3,241	60,903	3	—	9
Chile .....	31	11	1	6	1,494	—	1,543	30,047	2	—	10
Australia .....	1	—	87	3	629	—	720	28,111	2	—	8
New Zealand .....	—	—	9	—	114	—	123	5,111	1	—	1
South Atlantic Ocean, pelagic <sup>9)</sup> ..	—	—	—	—	435	—	435	12,748	—	—	—
Indian Ocean, pelagic <sup>9)</sup> .....	—	—	—	—	2,005	—	2,005	41,915	—	—	—
South Pacific Ocean, pelagic <sup>9)</sup> .....	—	—	—	—	1,219	—	1,219	26,812	—	—	—
<b>Total</b>	<b>1,429</b>	<b>21,916</b>	<b>2,758</b>	<b>9,549</b>	<b>27,858</b>	<b>105</b>	<b>63,615</b>	<b>2,420,824</b>	<b>38</b>	<b>24</b>	<b>10) 367</b>

1) 21 Minke-whales and 2 bottlenoses. 2) 2 Bryde-whales and 1 right-whale. 3) 50 Bryde-whales and 1 Minke-whale. 4) Minke-whales. 5) Baleen whales, not specified. 6) Baird's beaked whales. 7) Right-whales. 8) Incl. 2 catchers which also operated from Kuril Islands. 9) Catch by floating factories on their voyages to and from the Antarctic whaling grounds. (Catch north of 40° South Lat.) 10) Excl. 2 catchers which operated from Kamtschatka and also from Kuril Islands. 11) Barrel = 170 kg. (Barrel = abt. 1/6 long ton, 1 long ton = 1,016 kg.)



**Table No. 2.—Norwegian whaling in 1962/63 and summer 1963.**

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..	4	2,290	—	1,389	899	—	4,582	224,199	—	4	32
S. Atlantic Ocean, pelagic whaling <sup>1)</sup>	—	—	—	—	274	—	274	6,037	—	—	—
Norway .....	—	42	—	—	107	—	149	6,613	2	—	6
<b>Total</b>	<b>4</b>	<b>2,332</b>	<b>—</b>	<b>1,389</b>	<b>1,280</b>	<b>—</b>	<b>5,005</b>	<b>236,849</b>	<b>2</b>	<b>4</b>	<b>38</b>

<sup>1)</sup> Catch by floating factories on their voyages to and from the Antarctic whaling grounds.

**Table No. 3.—Whaling of United Kingdom in 1962/63 and summer 1963.**

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	858	—	435	258	—	1,552	79,222	—	1	9

**Table No. 4.—Whaling of Japan in 1962/63 and summer 1963.**

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 .....	727	10,475	7	1,094	1,314	—	13,617	716,838	—	7	79
N. Pacific Ocean and Bering Sea, pelagic	57	1,045	10	945	2,700	<sup>1)</sup> 3	4,760	194,654	—	3	21
Japan .....	2	67	3	855	1,714	—	2,641	48,692	13	—	21
Indian Ocean, pel. <sup>2)</sup>	—	—	—	—	1,649	—	1,649	29,533	—	—	—
S. Pacif. Ocean pel. <sup>2)</sup>	—	—	—	—	1,219	—	1,219	26,812	—	—	—
<b>Total</b>	<b>786</b>	<b>11,587</b>	<b>20</b>	<b>2,894</b>	<b>8,596</b>	<b>3</b>	<b>23,886</b>	<b>1,016,529</b>	<b>13</b>	<b>10</b>	<b>121</b>

<sup>1)</sup> Right-whales. <sup>2)</sup> Catch by floating factories on their voyages to and from the Antarctic whaling grounds.

**Table No. 5.—Whaling of U.S.S.R. in 1962/63 and summer 1963.**

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 .	196	4,197	263	2,498	1,953	<sup>1)</sup> 23	9,130	396,005	—	4	70
South Atlantic Ocean, pelagic <sup>2)</sup>	—	—	—	—	132	—	132	5,819	—	—	—
Indian Ocean pel. <sup>2)</sup>	—	—	—	—	356	—	356	12,382	—	—	—
Kamtchatka, pelagic	347	1,060	2,242	514	5,125	<sup>3)</sup> 3	9,291	287,555	—	4	<sup>4)</sup> 46
Kuril Islands.....	1	90	5	16	659	<sup>3)</sup> 2	773	16,269	2	—	5
<b>Total</b>	<b>544</b>	<b>5,347</b>	<b>2,510</b>	<b>3,028</b>	<b>8,225</b>	<b>28</b>	<b>19,682</b>	<b>718,030</b>	<b>2</b>	<b>8</b>	<b>119</b>

<sup>1)</sup> 21 Minke-whales and 2 bottlenoses. <sup>2)</sup> Catch by floating factories on their voyages to and from the Antarctic whaling grounds. <sup>3)</sup> Baird's beaked whales. <sup>4)</sup> Incl. 2 catchers which also operated from Kuril Islands.

**Table No. 6.—Whaling results for the various countries in 1962/63 and summer 1963.**

Countries.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sel.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
Japan .....	786	11,587	20	2,894	8,596	<sup>1)</sup> 3	23,886	1,016,529	13	10	121
U.S.S.R. ....	544	5,347	2,510	3,028	8,225	<sup>2)</sup> 28	19,682	718,030	2	8	119
Norway .....	4	2,332	—	1,389	1,280	—	5,005	236,849	2	4	38
South Africa .....	7	402	40	1,090	2,462	<sup>3)</sup> 54	4,055	95,284	2	—	18
Netherlands .....	19	848	—	87	376	—	1,330	80,407	—	1	11
United Kingdom ...	1	858	—	435	258	—	1,552	79,222	—	1	9
Peru .....	—	—	—	—	3,241	—	3,241	60,903	3	—	9
Chile .....	31	11	1	6	1,494	—	1,543	30,047	2	—	10
Australia .....	1	—	87	3	629	—	720	28,111	2	—	8
Iceland .....	—	283	—	20	136	—	439	20,212	1	—	4
Portugal .....	—	—	—	—	658	—	658	17,500	—	—	—
Canada .....	30	220	24	154	148	<sup>4)</sup> 3	579	17,208	1	—	5
Brazil .....	—	4	12	346	42	<sup>5)</sup> 2	406	6,327	2	—	3
U.S.A. ....	6	21	55	97	78	<sup>4)</sup> 2	259	5,631	4	—	7
New Zealand .....	—	—	9	—	114	—	123	5,111	1	—	1
Spain .....	—	—	—	—	113	<sup>6)</sup> 13	126	2,963	2	—	3
Denmark .....	—	3	—	—	8	—	11	490	1	—	1
<b>Total</b>	<b>1,429</b>	<b>21,916</b>	<b>2,758</b>	<b>9,549</b>	<b>27,858</b>	<b>105</b>	<b>63,615</b>	<b>2,420,824</b>	<b>38</b>	<b>24</b>	<b>367</b>

<sup>1)</sup> Right-whales. <sup>2)</sup> 21 Minke-whales, 2 bottlenoses and 5 Baird's beaked whales. <sup>3)</sup> 52 Bryde-whales, 1 Minke-whale and 1 right-whale. <sup>4)</sup> Baird's beaked whales. <sup>5)</sup> Minke-whales. <sup>6)</sup> Baleen whales, not specified.

**Table No. 7.—Average size of whales caught in the summer season 1963.**

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
<b>A. Blue-whales.</b>				
<i>Africa:—</i>				
Natal .....	—	67.00	64.00	64.60
Males 1 } Total 5.				
Females 4 }				
Cape Province .....	—	66.00	73.00	69.50
Males 1 } Total 2.				
Females 1 }				
Africa, total .....	—	66.50	65.80	66.00
Males 2 } Total 7.				
Females 5 }				
<i>Pacific North:—</i>				
California .....	No. 1	74.00	75.00	74.33
Males 3 } Total 6.	„ 2	68.00	72.00	70.00
Females 3 }				
Average		72.00	72.33	72.17

Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
British Columbia .....	—	69.31	73.41	71.63
Males 13 } Total 30.				
Females 17 }				
North Pacific Ocean and Bering Sea, pelagic .....	No. 1	76.50	78.17	77.00
Males 32 } Total 57.	" 2	76.50	78.73	77.94
Females 25 }	" 3	75.00	75.63	75.25
Average		75.94	77.60	76.67
Kamtschatka, pelagic .....	No. 1	72.29	75.34	73.82
Males 173 } Total 347.	" 2	74.00	74.70	74.50
Females 174 }	" 3	74.15	75.48	74.74
Average		72.69	75.31	74.01
Kuril Islands .....	—	73.00	—	73.00
Males 1 } Total 1.				
Females - }				
Japan .....	No. 1	72.00	—	72.00
Males 1 } Total 2.	" 2	—	77.00	77.00
Females 1 }				
Average		72.00	77.00	74.50
Pacific North, total .....	—	72.95	75.39	74.16
Males 223 } Total 443.				
Females 220 }				
<i>Chile</i> .....	No. 1	68.68	70.57	69.19
Males 21 } Total 31.	" 2	65.00	68.00	66.80
Females 10 }				
Average		68.33	69.80	68.81
<i>Australia</i> .....	—	68.00	—	68.00
Male 1.				
<b><u>B. Fin-whales.</u></b>				
<i>Africa</i> :—				
Natal .....	—	59.19	60.82	60.60
Males 171 } Total 346.				
Females 175 }				
Cape Province .....	—	55.59	58.46	56.89
Males 27 } Total 55.				
Females 28 }				
Africa, total .....	—	58.70	61.48	60.08
Males 198 } Total 401.				
Females 203 }				
<i>Brazil</i> .....	—	57.00	65.67	63.50
Males 1 } Total 4.				
Females 3 }				

Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
<i>North Atlantic and Arctic:—</i>		Engl. feet.	Engl. feet.	Engl. feet.
Norway .....	No. 1	56.44	57.67	57.14
Males 23 } Total 42.	" 2	58.71	61.71	59.71
Females 19 }				
Average		57.83	59.16	58.43
Faroe Islands .....	—	—	62.33	62.33
Females 3.				
Iceland .....	—	59.65	62.18	60.82
Males 152 } Total 283.				
Females 131 }				
North Atlantic and Arctic, total	—	59.41	61.81	60.53
Males 175 } Total 328.				
Females 153 }				
<i>Pacific North:—</i>				
California .....	No. 1	62.33	59.50	60.71
Males 6 } Total 16.	" 2	58.00	64.33	62.22
Females 10 }				
Average		60.17	62.40	61.56
British Columbia .....	—	56.38	59.48	58.05
Males 101 } Total 220.				
Females 119 }				
Oregon .....	—	59.00	60.00	59.40
Males 3 } Total 5.				
Females 2 }				
North Pacific Ocean and Bering Sea, pelagic .....	No. 1	60.18	62.86	61.38
Males 506 } Total 1,045.	" 2	60.11	63.09	61.67
Females 539 }	" 3	59.56	62.21	61.03
Average		59.95	62.71	61.37
Kamtschatka, pelagic .....	No. 1	58.62	60.86	59.65
Males 561 } Total 1,060.	" 2	60.19	63.44	62.00
Females 499 }	" 3	59.56	60.43	59.94
Average		58.99	61.17	60.02
Kuril Islands .....	—	57.47	62.18	60.48
Males 32 } Total 89.				
Females 57 }				
Japan .....	No. 1	—	56.00	56.00
Males 21 } Total 67.	" 2	52.00	54.00	53.00
Females 46 }	" 3	58.33	59.14	58.77
	" 4	54.08	57.50	56.57
	" 5	53.50	66.00	59.75
Average		55.24	57.87	57.04
Pacific North, total.....	—	59.07	61.60	60.36
Males 1,230 } Total 2,502.				
Females 1,272 }				

Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
<i>Chile</i> .....	No. 1	64.00	46.00	58.00
Males 6 } Total 11.	" 2	47.25	50.25	48.75
Females 5 }				
Average		53.83	49.40	51.82
<b><u>C. Humpbacks.</u></b>				
<i>Africa:—</i>				
Natal .....	—	37.87	38.71	38.19
Males 23 } Total 37.				
Females 14 }				
Cape Province .....	—	37.00	38.00	37.33
Males 2 } Total 3.				
Females 1 }				
Africa, total .....	—	37.80	38.67	38.13
Males 25 } Total 40.				
Females 15 }				
<i>Brazil</i> .....	No. 1	36.00	39.00	37.50
Males 6 } Total 12.	" 2	40.20	47.60	43.90
Females 6 }				
Average		40.00	45.67	42.83
<i>Pacific North:—</i>				
California .....	No. 1	40.42	42.31	41.40
Males 30 } Total 55.	" 2	39.44	38.67	39.13
Females 25 }				
Average		39.83	40.56	40.16
British Columbia .....	—	38.85	40.00	39.38
Males 13 } Total 24.				
Females 11 }				
North Pacific Ocean and Bering Sea, pelagic .....	—	40.00	43.14	42.20
Males 3 } Total 10.				
Females 7 }				
Kamtschatka, pelagic .....	No. 1	38.65	39.54	39.02
Males 1,214 } Total 2,241.	" 2	40.13	41.77	40.95
Females 1,027 }	" 3	43.19	43.99	43.61
Average		39.70	41.10	40.34
Kuril Islands .....	—	38.00	35.67	36.60
Males 2 } Total 5.				
Females 3 }				
<i>Japan</i> .....	No. 1	36.00	—	36.00
Males 3.	" 2	40.00	—	40.00
Average		38.67	—	38.67

Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
Pacific North, total..... Males 1,265 } Total 2,338. Females 1,073 }	—	Engl. feet. 39.69	Engl. feet. 41.07	Engl. feet. 40.33
Chile ..... Males 1.	—	36.00	—	36.00
Australia ..... Males 36 } Total 87. Females 51 }	No. 1 " 2	36.80 37.68	39.29 38.32	38.63 38.03
Average		37.56	38.59	38.16
New Zealand ..... Males 6 } Total 9. Females 3 }	—	40.50	40.00	40.33
<b>D Sei-whales.</b>				
<i>Africa:—</i>				
Natal ..... Males 185 } Total 369. Females 184 }	—	43.03	44.87	43.95
Cape Province ..... Males 269 } Total 720. Females 451 }	—	41.93	45.39	44.09
Africa, total..... Males 454 } Total 1,089. Females 635 }	—	42.60	45.24	44.14
Brazil:..... Males 222 } Total 346. Females 124 }	No. 1 " 2	48.66 46.46	51.56 49.03	49.69 47.40
Average		48.07	50.86	49.07
<i>North Atlantic and Arctic:—</i>				
Iceland ..... Males 6 } Total 20. Females 14 }	—	42.83	44.00	43.65
<i>Pacific North:—</i>				
California ..... Males 34 } Total 97. Females 63 }	No. 1 " 2	42.90 43.96	46.00 46.93	45.06 45.81
Average		43.65	46.59	45.56
British Columbia ..... Males 104 } Total 154. Females 50 }	—	43.57	45.76	44.28
North Pacific Ocean and Bering Sea, pelagic ..... Males 563 } Total 945. Females 382 }	No. 1 " 2	45.48 45.57	46.93 46.94	46.08 46.06
Average		45.49	46.93	46.07

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 . . . . .	No. 1	47.90	48.66	48.27
Males 275 } Total 514.	" 2	46.30	46.05	46.19
Females 239 }	" 3	44.32	46.76	45.40
Average		46.27	47.74	46.95
Kuril Islands . . . . .	—	45.44	46.43	45.88
Males 9 } Total 16.				
Females 7 }				
Japan . . . . .	No. 1	42.11	42.10	42.11
Males 424 } Total 855. <sup>1)</sup>	" 2	40.87	42.16	41.53
Females 431 }	" 3	43.57	44.11	43.83
	" 4	42.68	43.34	43.01
	" 5	42.66	43.04	42.82
Average		42.47	42.90	42.69
Pacific North, total . . . . .	—	44.55	45.54	45.00
Males 1,409 } Total 2,581.				
Females 1,172 }				
Chile . . . . .	No. 1	44.00	46.50	45.00
Males 4 } Total 6.	" 2	49.00	—	49.00
Females 2 }				
Average		45.25	46.50	45.67
Australia . . . . .	—	28.00	50.50	43.00
Males 1 } Total 3.				
Females 2 }				
<b><u>E. Sperm-whales.</u></b>				
<i>Africa:—</i>				
Natal . . . . .	—	41.08	35.74	38.26
Males 836 } Total 1,771.				
Females 935 }				
Cape Province . . . . .	—	38.15	34.57	37.28
Males 522 } Total 690.				
Females 168 }				
Africa, total . . . . .	—	39.94	35.57	37.98
Males 1,358 } Total 2,461.				
Females 1,103 }				
South Atlantic Ocean, pelagic . . .	No. 1	47.20	—	47.20
Males 404 } Total 431.	" 2	40.64	—	40.64
Females 27 }	" 3	40.38	—	40.38
	" 4	40.94	—	40.94
	" 5	39.88	33.92	39.75
	" 6	40.77	—	40.77
	" 7	44.50	38.00	44.00
Average		40.74	34.07	40.32

<sup>1)</sup> Of which 43 Bryde-whales.

Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
<i>Brazil</i> .....	No. 1	41.25	38.33	40.00
Males 21 } Total 40.	" 2	39.65	35.81	37.79
Females 19 }	Average	39.95	36.21	38.18
<i>North Atlantic and Arctic:—</i>				
Azores.....	—	41.70	33.58	39.86
Males 365 } Total 472.				
Females 107 }				
Madeira .....	—	41.00	34.86	39.38
Males 137 } Total 186.				
Females 49 }				
Norway.....	No. 1	50.15	—	50.15
Males 107.	" 2	50.15	—	50.15
Average		50.15	—	50.15
Faroe Islands .....	—	48.75	—	48.75
Males 8.				
Iceland .....	—	50.92	—	50.92
Males 136.				
Newfoundland .....	—	45.00	—	45.00
Male 1.				
North Atlantic and Arctic, total	—	50.50	—	50.50
Males 252.				
<i>Pacific North:—</i>				
California .....	No. 1	41.91	38.00	41.60
Males 75 } Total 77.	" 2	41.21	—	41.21
Females 2 }	Average	41.43	38.00	41.34
British Columbia .....	—	42.35	35.00	39.80
Males 96 } Total 147.				
Females 51 }				
North Pacific Ocean and				
Bering Sea, pelagic .....	No. 1	43.38	39.17	43.35
Males 2,692 } Total 2,699.	" 2	45.24	—	45.24
Females 7 }	" 3	45.43	39.00	45.42
Average		44.69	39.14	44.67
Kamtschatka, pelagic .....	No. 1	41.93	39.16	41.59
Males 4,547 } Total 5,117.	" 2	42.04	38.36	41.28
Females 570 }	" 3	43.18	38.29	42.96
Average	" 4	41.92	38.38	41.82
		42.26	38.55	41.85
Kuril Islands.....	—	37.17	36.21	37.07
Males 589 } Total 655.				
Females 66 }				



Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
<b>Japan</b> .....	No. 1	37.94	35.83	36.49
Males 760 } Total 1,714.	" 2	37.77	35.46	36.07
Females 954 }	" 3	42.24	36.12	39.80
	" 4	39.22	36.22	37.50
	" 5	38.99	35.68	37.58
Average		39.89	35.88	37.66
Ryukyu Islands .....	—	37.00	—	37.00
Male 1.				
Pacific North, total.....	—	42.45	36.80	41.55
Males 8,760 } Total 10,410.				
Females 1,650 }				
<i>Chile</i> .....	No. 1	35.92	31.80	33.78
Males 788 } Total 1,483.	" 2	39.93	29.46	36.84
Females 695 }				
Average		37.11	31.47	34.47
<i>Australia</i> .....	No. 1	43.08	35.75	43.03
Males 593 } Total 629.	" 2	39.48	32.47	35.54
Females 36 }				
Average		42.93	32.83	42.35
<i>New Zealand</i> .....	—	46.74	—	46.74
Males 114.				
<i>Indian Ocean, pelagic</i> .....	No. 1	38.00	38.00	38.00
Males 1,021 } Total 2,004.	" 2	38.54	—	38.54
Females 983 }	" 3	38.70	38.00	38.50
	" 4	38.60	38.21	38.32
	" 5	43.28	38.00	42.97
	" 6	42.13	38.44	41.88
	" 7	44.06	—	44.06
	" 8	39.78	37.91	38.68
	" 9	39.23	38.39	38.86
	" 10	39.46	37.92	38.55
	" 11	39.69	38.21	38.69
	" 12	39.33	38.11	38.54
Average		40.67	38.11	39.42
<i>South Pacific Ocean, pelagic</i> . . .	—	41.92	38.91	39.85
Males 382 } Total 1,219.				
Females 837 }				
<b><u>F. Bryde-whales.</u></b>				
<i>Africa</i> :—				
Natal .....	—	—	42.00	42.00
Females 2.				
Cape Province.....	—	42.60	44.37	43.66
Males 20 } Total 50.				
Females 30 }				

Table No. 7 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
Afrika, total . . . . .	—	Engl. feet. 42.60	Engl. feet. 44.22	Engl. feet. 43.60
Males 20 } Total 52.				
Females 32 }				
<b>G. Right-whales.</b>				
<i>Africa:—</i>				
Natal . . . . .	—	43.00	—	43.00
Male 1.				
<i>Pacific North:—</i>				
North Pacific Ocean and Bering Sea, pelagic . . . . .	—	54.00	52.00	52.67
Males 1 } Total 3.				
Females 2 }				

Table No. 8.—Whales caught in the summer season 1963,  
by species, sex, and size.I. Natal.  
Blue-whales.

Engl. feet.	Number of		Total animals.	Average size
	males.	females.		
61	—	1	1	Males: 67.00 feet Females: 64.00 " Total animals: 64.60 " Per cent { Males: 20.00 Females: 80.00
62	—	1	1	
66	—	1	1	
67	1	1	2	
Sum	1	4	5	

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
50	—	1	1	69	1	5	6
51	5	1	6	70	1	4	5
52	7	—	7	71	3	7	10
53	1	3	4	72	2	3	5
54	2	4	6	73	—	3	3
55	22	11	33	74	—	10	10
56	22	23	45	75	—	3	3
57	23	20	43	77	—	2	2
58	11	14	25	78	—	1	1
59	9	5	14	79	—	1	1
60	13	11	24	Sum	171	175	346
61	8	6	14	Average size { Males: 59.19 feet Females: 60.82 " Total animals: 60.60 " Per cent { Males: 49.42 Females: 50.58			
62	5	14	19				
63	7	4	11				
64	8	6	14				
65	6	4	10				
66	5	2	7				
67	7	3	10				
68	3	4	7				

Table No. 8 (continued).

## Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
34	1	—	1	45	1	1	2
35	1	1	2	50	—	1	1
36	8	4	12	Sum	23	14	37
37	2	1	3	Average size	Males: 37.87 feet		38.19 "
38	2	4	6		Females: 38.71 "		
39	2	1	3	Per cent	Males: 62.16		37.84
40	5	1	6		Females: 37.84		
41	1	—	1				

## Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	1	2	3	50	6	10	16
36	5	4	9	51	2	8	10
37	2	5	7	52	—	8	8
38	8	9	17	53	—	5	5
39	12	6	18	54	—	4	4
40	15	14	29	55	—	1	1
41	12	11	23	Sum	185	184	369
42	13	13	26	Average size	Males: 43.03 feet		43.95 "
43	22	13	35		Females: 44.87 "		
44	18	11	29	Per cent	Males: 50.14		49.86
45	17	13	30		Females: 49.86		
46	15	13	28				
47	16	11	27				
48	15	5	20				
49	6	18	24				

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
30	1	—	1	48	21	—	21
31	2	2	4	49	13	—	13
32	2	7	9	50	14	—	14
33	1	11	12	51	6	—	6
34	3	8	11	52	4	—	4
35	66	366	432	53	1	—	1
36	82	358	440	54	1	—	1
37	64	150	214	55	2	—	2
38	40	33	73	56	1	—	1
39	32	—	32	Sum	836	935	1,771
40	73	—	73	Average size	Males: 41.08 feet		38.26 "
41	78	—	78		Females: 35.74 "		
42	95	—	95	Per cent	Males: 47.20		52.80
43	66	—	66		Females: 52.80		
44	70	—	70				
45	45	—	45				
46	33	—	33				
47	20	—	20				

Table No. 8 (continued).

**Right-whales.**

1 male of 43 feet.

**Bryde-whales.**1 female of 41 feet and 1 female of 43 feet.  
Average size: 42 feet.**2. Cape Province.****Blue-whales.**1 male of 66 feet and 1 female of 73 feet.  
Average size: 69.50 feet.**Fin-whales.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
39	1	—	1	61	5	—	5
45	1	—	1	62	1	2	3
47	1	—	1	63	—	2	2
49	—	1	1	64	—	1	1
50	2	1	3	71	1	—	1
51	—	1	1	73	—	1	1
52	1	—	1	74	—	1	1
53	—	2	2	Sum	27	28	1) 55
54	3	1	4	Average size	{	Males:	55.59 feet
55	5	2	7			Females:	58.46 "
56	3	1	4			Total animals:	56.89 "
57	1	2	3	Per cent	{	Males:	49.09
58	1	6	7			Females:	50.91
59	—	2	2				
60	1	2	3				

1) In addition 1 fin-whale of 48 feet, sex not stated.

**Humpbacks.**

34	1	—	1	Average size	{	Males:	37.00 feet
38	—	1	1			Females:	38.00 "
40	1	—	1			Total animals:	37.33 "
Sum	2	1	3	Per cent	{	Males:	66.67
						Females:	33.33

**Sei-whales.**

32	—	1	1	48	22	38	60
33	1	3	4	49	12	31	43
34	3	1	4	50	8	42	50
35	14	12	26	51	—	43	43
36	15	18	33	52	1	30	31
37	22	19	41	53	—	16	16
38	24	21	45	54	—	6	6
39	23	14	37	55	—	2	2
40	14	23	37	56	—	1	1
41	17	17	34	Sum	269	451	1) 720
42	18	15	33	Average size	{	Males:	41.93 feet
43	16	23	39			Females:	45.39 "
44	14	18	32			Total animals:	44.09 "
45	9	15	24	Per cent	{	Males:	37.36
46	18	22	40			Females:	62.64
47	18	20	38				

1) In addition 1 sei-whale of 43 feet, sex not stated.

Table No. 8 (continued).

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
31	—	1	1	47	5	—	5
33	7	36	43	48	4	—	4
34	43	44	87	49	2	—	2
35	90	52	142	50	4	—	4
36	90	24	114	52	1	—	1
37	71	10	81	53	1	—	1
38	44	1	45	Sum	522	168	<sup>1)</sup> 690
39	30	—	30	Average size	{	Males:	38.15 feet
40	28	—	28			Females:	34.57 „
41	16	—	16	Total animals:		37.28 „	
42	21	—	21	Per cent	{	Males:	75.51
43	21	—	21			Females:	24.49
44	19	—	19				
45	15	—	15				
46	10	—	10				

<sup>1)</sup> In addition 1 sperm-whale of 37 feet, sex not stated.

## Bryde-whales.

32	1	—	1	48	—	1	1
34	—	1	1	50	—	1	1
36	1	—	1	59	1	—	1
38	1	—	1	Sum	20	30	50
40	—	2	2	Average size	{	Males:	42.60 feet
41	6	1	7			Females:	44.37 „
42	2	4	6	Total animals:		43.66 „	
43	3	—	3	Per cent	{	Males:	40.00
44	1	4	5			Females:	60.00
45	1	7	8				
46	2	4	6				
47	1	5	6				

## 3. Summary Africa.

(Natal and Cape Province.)

## Blue-whales.

Engl. feet.	Number of		Total animals.	Average size	{	Males:	66.50 feet
	males.	females.					
61	—	1	1	Females:			
62	—	1	1				
66	1	1	2	Per cent	{	Males:	28.57
67	1	1	2				
73	—	1	1				
Sum	2	5	7				

Table No. 8 (continued).

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
39	1	—	1	67	7	3	10
45	1	—	1	68	3	4	7
47	1	—	1	69	1	5	6
49	—	1	1	70	1	4	5
50	2	2	4	71	4	7	11
51	5	2	7	72	2	3	5
52	8	—	8	73	—	4	4
53	1	5	6	74	—	11	11
54	5	5	10	75	—	3	3
55	27	13	40	77	—	2	2
56	25	24	49	78	—	1	1
57	24	22	46	79	—	1	1
58	12	20	32	Sum	198	203	1) 401
59	9	7	16	Average size { Males: 58.70 feet			
60	14	13	27	{ Females: 61.48 "			
61	13	6	19	{ Total animals: 60.08 "			
62	6	16	22	Per cent { Males: 49.38			
63	7	6	13	{ Females: 50.62			
64	8	7	15				
65	6	4	10				
66	5	2	7				

1) In addition 1 fin-whale of 48 feet, sex not stated.

## Humpbacks.

34	2	—	2	Average size { Males: 37.80 feet							
35	1	1	2					{ Females: 38.67 "			
36	8	4	12					{ Total animals: 38.13 "			
37	2	1	3					Per cent { Males: 62.50			
38	2	5	7					{ Females: 37.50			
39	2	1	3								
40	6	1	7								
41	1	—	1								
45	1	1	2								
50	—	1	1								
Sum	25	15	40								

## Sei-whales.

32	—	1	1	48	37	43	80
33	1	3	4	49	18	49	67
34	3	1	4	50	14	52	66
35	15	14	29	51	2	51	53
36	20	22	42	52	1	38	39
37	24	24	48	53	—	21	21
38	32	30	62	54	—	10	10
39	35	20	55	55	—	3	3
40	29	37	66	56	—	1	1
41	29	28	57	Sum	454	635	1) 1,089
42	31	28	59	Average size { Males: 42.60 feet			
43	38	36	74	{ Females: 45.24 "			
44	32	29	61	{ Total animals: 44.14 "			
45	26	28	54	Per cent { Males: 41.69			
46	33	35	68	{ Females: 53.31			
47	34	31	65				

1) In addition 1 sei-whale of 43 feet, sex not stated.

Table No. 8 (continued).

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
30	1	—	1	48	25	—	25
31	2	3	5	49	15	—	15
32	2	7	9	50	18	—	18
33	8	47	55	51	6	—	6
34	46	52	98	52	5	—	5
35	156	418	574	53	2	—	2
36	172	382	554	54	1	—	1
37	135	160	295	55	2	—	2
38	84	34	118	56	1	—	1
39	62	—	62	Sum	1,358	1,103	<sup>1)</sup> 2,461
40	101	—	101	Average size { Males: 39.94 feet Females: 35.57 " Total animals: 37.98 " Per cent { Males: 55.14 Females: 44.86			
41	94	—	94				
42	116	—	116				
43	87	—	87				
44	89	—	89				
45	60	—	60				
46	43	—	43				
47	25	—	25				

<sup>1)</sup> In addition 1 sperm-whale of 37 feet, sex not stated.

## Bryde-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
32	1	—	1	48	—	1	1
34	—	1	1	50	—	1	1
36	1	—	1	59	1	—	1
38	1	—	1	Sum	20	32	52
40	—	2	2	Average size { Males: 42.60 feet Females: 44.22 " Total animals: 43.60 " Per cent { Males: 38.46 Females: 61.54			
41	6	2	8				
42	2	4	6				
43	3	1	4				
44	1	4	5				
45	1	7	8				
46	2	4	6				
47	1	5	6				

## Right-whales.

1 male of 43 feet.

## 4. Brazil.

## Fin-whales.

Engl. feet.	Number of		Total animals.	Average size { Males: 57.00 feet Females: 65.67 " Total animals: 63.50 "
	males.	females.		
57	1	—	1	Per cent { Males: 25.00 feet Females: 75.00 "
64	—	1	1	
65	—	1	1	
68	—	1	1	
Sum	1	3	4	

Table No. 8 (continued).

## Humpbacks.

Engl. feet.	Number of		Total animals.	
	males.	females.		
36	1	1	2	Average size { Males: 40.00 feet Females: 45.67 " Total animals: 42.83 "
38	1	—	1	
39	1	—	1	
40	2	—	2	
44	—	1	1	
47	1	—	1	
48	—	2	2	
49	—	2	2	
Sum	6	6	12	

## Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	5	1	6	52	9	14	23
37	2	—	2	53	4	17	21
38	—	2	2	54	4	17	21
39	1	—	1	55	1	8	9
40	6	1	7	56	1	2	3
41	3	1	4	57	—	2	2
43	4	—	4	58	—	1	1
44	1	2	3	Sum	222	124	346
45	5	4	9	Average size { Males: 48.07 feet Females: 50.86 " Total animals: 49.07 "			
46	16	2	18				
47	27	4	31				
48	44	5	49				
49	24	12	36				
50	35	11	46				
51	30	18	48				
					Per cent { Males: 64.16 Females: 35.84		

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	2	7	9	47	1	—	1
36	3	5	8	55	1	—	1
37	2	4	6	Sum	21	19	<sup>1)</sup> 40
38	3	2	5	Average size { Males: 39.95 feet Females: 36.21 " Total animals: 38.18 "			
39	3	1	4				
40	1	—	1				
41	2	—	2				
43	1	—	1				
44	1	—	1				
45	1	—	1				
					Per cent { Males: 52.50 Females: 47.50		

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



Table No. 8 (continued).

## 5. Azores.

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
23	1	1	2	43	34	-	34
25	1	-	1	44	7	-	7
26	-	5	5	46	18	-	18
27	2	2	4	47	3	-	3
29	15	13	28	48	10	-	10
30	-	1	1	49	33	-	33
31	4	2	6	50	1	-	1
32	45	17	62	52	11	-	11
33	1	4	5	53	37	-	37
34	3	13	16	54	9	-	9
35	1	11	12	56	13	-	13
36	72	19	91	Sum	365	107	472
37	3	4	7	Average size	{	Males:	41.70 feet
38	13	6	19			Females:	33.58 "
39	14	7	21			Total animals:	39.86 "
40	3	1	4	Per cent	{	Males:	77.33
41	8	1	9			Females:	22.67
42	3	-	3				

## 6. Madeira.

## Sperm-whales.

27	-	3	3	47	2	-	2
28	-	2	2	48	3	-	3
29	-	3	3	49	4	-	4
30	2	1	3	50	1	-	1
31	-	2	2	51	2	-	2
32	7	5	12	52	2	-	2
33	2	1	3	53	3	-	3
34	2	-	2	55	5	-	5
35	6	6	12	56	2	-	2
36	18	9	27	57	1	-	1
37	8	4	12	58	1	-	1
38	11	5	16	Sum	137	49	186
39	18	3	21	Average size	{	Males:	41.00 feet
40	7	1	8			Females:	34.86 "
41	9	2	11			Total animals:	39.38 "
42	6	-	6	Per cent	{	Males:	73.66
43	2	-	2			Females:	26.34
44	3	2	5				
45	5	-	5				
46	5	-	5				

## 7. Spain.

Baleen whales not specified.

Total 13, of which 9 males and 4 females,

## Sperm-whales.

Total 113, of which 78 males and 35 females.

Table No. 8 (continued).

**8. Norway.****Fin-whales.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
50	3	2	5	64	1	1	2
51	—	1	1	66	—	1	1
52	3	2	5	67	—	2	2
53	1	2	3	68	—	2	2
54	1	1	2	69	—	1	1
56	1	—	1	Sum	23	19	42
57	1	1	2	Average size	{	Males:	57.83 feet
59	2	1	3			Females:	59.16 "
60	1	—	1			Total animals:	58.43 "
61	1	—	1	Per cent	{	Males:	54.76
62	3	2	5			Females:	45.24
63	5	—	5				

**Sperm-whales.**

Engl. feet.	Males.	Engl. feet.	Males.
45	2	52	8
46	2	53	11
47	6	54	4
48	14	55	2
49	20	56	1
50	18	Sum	107
51	19		

Average size: Males: 50.15 feet.

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

3 females of 57, 63 and 67 feet.

Average size: 62.33 feet.

**Sperm-whales.**

Engl. feet.	Males.	Engl. feet.	Males.
44	1	50	2
45	1	58	1
47	2	Sum	8
49	1		

Average size: Males: 48.75 feet.

Table No. 8 (continued).

## 10. Iceland.

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
47	—	1	1	66	2	10	12
50	—	1	1	67	1	7	8
51	3	1	4	68	—	3	3
52	4	4	8	69	—	3	3
53	5	1	6	70	—	8	8
54	3	5	8	72	—	2	2
55	8	3	11	73	—	1	1
56	8	6	14	74	—	1	1
57	7	8	15	75	—	1	1
58	11	4	15	Sum	152	131	283
59	12	6	18	Average size	{ Males: 59.65 feet Females: 62.18 " Total animals: 60.82 "		
60	20	5	25	Per cent	{ Males: 53.71 Females: 46.29		
61	21	5	26				
62	18	13	31				
63	13	11	24				
64	9	11	20				
65	7	10	17				

## Sei-whales.

Engl. feet.	Number of		Total animals.	Average size	Per cent
	males.	females.			
38	—	1	1	{ Males: 42.83 feet Females: 44.00 " Total animals: 43.65 "	{ Males: 30.00 Females: 70.00
40	1	3	4		
42	—	1	1		
43	3	—	3		
44	2	2	4		
45	—	1	1		
46	—	1	1		
47	—	3	3		
48	—	2	2		
Sum	6	14	20		

## Sperm-whales.

Engl. feet.	Males.	Engl. feet.	Males.
40	1	51	12
41	2	52	17
42	1	53	18
43	1	54	17
45	3	55	7
46	10	56	6
47	10	57	3
48	5	58	2
49	13	Sum	136
50	8		

Average size: Males: 50.92 feet.

Table No. 8 (continued).

**11. Newfoundland.****Sperm-whales.**

1 male of 45 feet.

**12. Summary North Atlantic and Arctic.**

(Norway, Faroe Islands, Iceland and Newfoundland.)

**Fin-whales.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
47	—	1	1	67	1	10	11
50	3	3	6	68	—	5	5
51	3	2	5	69	—	4	4
52	7	6	13	70	—	8	8
53	6	3	9	72	—	2	2
54	4	6	10	73	—	1	1
55	8	3	11	74	—	1	1
56	9	6	15	75	—	1	1
57	8	10	18	Sum	175	153	328
58	11	4	15	Average size { Males: 59.41 feet			
59	14	7	21	{ Females: 61.81 "			
60	21	5	26	{ Total animals: 60.53 "			
61	22	5	27	Per cent { Males: 53.35			
62	21	15	36	{ Females: 46.65			
63	18	12	30				
64	10	12	22				
65	7	10	17				
66	2	11	13				

**Sei-whales.**

Engl. feet.	Number of		Total animals.	Average size { Males: 42.83 feet
	males.	females.		
38	—	1	1	Total animals: 43.65 "
40	1	3	4	
42	—	1	1	
43	3	—	3	Per cent { Males: 30.00
44	2	2	4	
45	—	1	1	Females: 70.00
46	—	1	1	
47	—	3	3	
48	—	2	2	
Sum	6	14	20	



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	48	—	7	7
38	—	1	1	49	—	10	10
39	1	—	1	50	—	4	4
40	3	—	3	51	—	2	2
41	2	—	2	Sum	34	63	97
42	2	3	5	Average size		Males: 43.65 feet	
43	5	6	11			Females: 46.59 "	
44	6	1	7			Total animals: 45.56 "	
45	5	7	12	Per cent		Males: 35.05	
46	5	8	13			Females: 64.95	
47	4	14	18				

## Sperm-whales.

35	4	—	4	49	1	—	1
36	7	—	7	50	3	—	3
37	7	1	8	51	1	—	1
38	8	—	8	52	1	—	1
39	8	1	9	53	1	—	1
40	3	—	3	Sum	75	2	77
41	6	—	6	Average size		Males: 41.43 feet	
42	4	—	4			Females: 38.00 "	
43	5	—	5			Total animals: 41.34 "	
44	4	—	4	Per cent		Males: 97.40	
45	2	—	2			Females: 2.60	
46	4	—	4				
47	2	—	2				
48	4	—	4				

## 14. Oregon.

## Fin-whales.

51	1	—	1	Average size		Males: 59.00 feet	
53	—	1	1			Females: 60.00 "	
60	1	—	1			Total animals: 59.40 "	
66	1	—	1	Per cent		Males: 60.00 feet	
67	—	1	1			Females: 40.00 "	
Sum	3	2	5				

## 15. British Columbia.

## Blue-whales.

57	—	1	1	78	1	—	1
58	1	—	1	79	—	1	1
65	1	—	1	81	—	1	1
66	1	1	2	86	—	1	1
67	—	2	2	Sum	13	17	30
68	2	—	2	Average size		Males: 69.31 feet	
69	2	1	3			Females: 73.41 "	
70	1	—	1			Total animals: 71.63 "	
71	2	—	2	Per cent		Males: 43.33	
72	1	—	1			Females: 56.67	
74	—	2	2				
75	—	4	4				
76	1	3	4				

Table No. 8 (continued).

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
45	1	—	1	64	3	6	9
46	2	—	2	65	—	8	8
47	3	1	4	66	—	7	7
49	4	4	8	67	1	1	2
50	7	5	12	68	—	5	5
51	5	6	11	69	—	2	2
52	5	1	6	70	—	1	1
53	3	5	8	71	—	1	1
54	5	2	7	Sum	101	119	220
55	4	3	7	Average size { Males: 56.38 feet			
56	6	6	12	{ Females: 59.48 „			
57	7	12	19	{ Total animals: 58.05 „			
58	8	5	13	Per cent { Males: 45.91			
59	7	4	11	{ Females: 54.09			
60	10	8	18				
61	9	9	18				
62	7	9	16				
63	4	8	12				

## Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
32	1	2	3	44	—	2	2
34	1	—	1	48	—	1	1
35	1	—	1	Sum	13	11	24
36	1	—	1	Average size { Males: 38.85 feet			
37	—	2	2	{ Females: 40.00 „			
39	2	—	2	{ Total animals: 39.38 „			
40	3	—	3	Per cent { Males: 54.17			
41	—	2	2	{ Females: 45.83			
42	2	2	4				
43	2	—	2				

## Sei-whales.

34	—	1	1	49	—	9	9
37	4	—	4	50	—	4	4
38	—	2	2	51	—	2	2
39	5	2	7	Sum	104	50	154
40	7	—	7	Average size { Males: 43.57 feet			
41	5	2	7	{ Females: 45.76 „			
42	10	2	12	{ Total animals: 44.28 „			
43	9	1	10	Per cent { Males: 67.53			
44	20	6	26	{ Females: 32.47			
45	22	6	28				
46	12	2	14				
47	6	6	12				
48	4	5	9				

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	46	3	—	3
32	—	3	3	47	4	—	4
33	2	8	10	48	7	—	7
34	1	6	7	49	2	—	2
35	7	15	22	50	3	—	3
36	3	5	8	51	4	—	4
37	3	7	10	52	5	—	5
38	5	5	10				
39	11	1	12	Sum	96	51	147
40	12	—	12				
41	1	—	1	Average size	Males: 42.35 feet		
42	12	—	12		Females: 35.00 "		
43	4	—	4		Total animals: 39.80 "		
44	3	—	3	Per cent	Males: 65.31		
45	4	—	4		Females: 34.69		

## 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.	
70	2	1	3	82	—	1	1
72	1	1	2	84	—	1	1
73	1	2	3	85	—	1	1
74	3	—	3				
75	6	1	7	Sum	32	25	57
76	7	6	13				
77	5	3	8	Average size	Males: 75.94 feet		
78	—	1	1		Females: 77.60 "		
79	5	2	7		Total animals: 76.67 "		
80	1	2	3	Per cent	Males: 56.14		
81	1	3	4		Females: 43.86		

## Fin-whales.

52	2	—	2	67	—	38	38
53	—	1	1	68	3	20	23
55	34	22	56	69	—	14	14
56	28	23	51	70	—	7	7
57	43	8	51	71	—	1	1
58	46	22	68	72	—	1	1
59	68	34	102	Sum	506	539	1,045
60	62	32	94				
61	70	47	117	Average size	Males: 59.95 feet		
62	62	53	115		Females: 62.71 "		
63	35	50	85		Total animals: 61.37 "		
64	33	60	93	Per cent	Males: 48.42		
65	13	54	67		Females: 51.58		
66	7	52	59				



Table No. 8 (continued).

## Humpbacks.

Engl. feet.	Number of		Total animals.	
	males.	females.		
38	—	1	1	Average size { Males: 40.00 feet Females: 43.14 „ Total animals: 42.20 „
39	1	—	1	
40	1	—	1	
41	1	1	2	Per cent { Males: 30.00 Females: 70.00
43	—	2	2	
45	—	2	2	
47	—	1	1	
Sum	3	7	10	

## Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
39	—	1	1	51	5	13	18
40	8	7	15	52	—	16	16
41	9	7	16	53	—	1	1
42	17	8	25	Sum	563	382	945
43	56	15	71	Average size { Males: 45.49 feet Females: 46.93 „ Total animals: 46.07 „	Per cent { Males: 59.58 Females: 40.42		
44	78	23	101				
45	98	42	140				
46	131	63	194				
47	83	50	133				
48	50	52	102				
49	24	52	76				
50	4	32	36				

## Sperm-whales.

38	76	2	78	52	68	—	68
39	179	3	182	53	18	—	18
40	221	1	222	54	5	—	5
41	221	1	222	55	2	—	2
42	189	—	189	56	1	—	1
43	269	—	269	Sum	2,692	7	<sup>1)</sup> 2,699
44	188	—	188	Average size { Males: 44.69 feet Females: 39.14 „ Total animals: 44.67 „	Per cent { Males: 99.74 Females: 0.26		
45	204	—	204				
46	203	—	203				
47	193	—	193				
48	205	—	205				
49	197	—	197				
50	164	—	164				
51	89	—	89				

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

## Right-whales.

51	—	1	1	Average size { Males: 54.00 feet Females: 52.00 „ Total animals: 52.67 „
53	—	1	1	
54	1	—	1	
Sum	1	2	3	Per cent { Males: 33.33 Females: 66.67

Table No. 8 (continued).

## 17. Kamtchatka, pelagic.

## Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
66	3	—	3	80	—	1	1
69	1	—	1	81	1	2	3
70	48	11	59	82	1	2	3
71	10	8	18	84	1	—	1
72	40	27	67	Sum	173	174	347
73	13	7	20	Average size { Males: 72.69 feet Females: 75.31 „ Total animals: 74.01 „ Per cent { Males: 49.86 Females: 50.14			
74	19	17	36				
75	16	29	45				
76	1	2	3				
77	9	26	35				
78	2	—	2				
79	8	42	50				

## Fin-whales.

39	—	1	1	68	3	—	3
52	—	1	1	69	5	13	18
53	—	1	1	70	1	2	3
55	84	32	116	71	—	3	3
56	82	50	132	72	—	4	4
57	83	30	113	73	1	—	1
58	16	6	22	74	—	1	1
59	84	84	168	Sum	561	499	1,060
60	14	10	24	Average size { Males: 58.99 feet Females: 61.17 „ Total animals: 60.02 „ Per cent { Males: 52.92 Females: 47.08			
61	77	51	128				
62	53	63	116				
63	11	16	27				
64	23	40	63				
65	3	12	15				
66	14	63	77				
67	7	16	23				

## Humpbacks.

31	—	1	1	48	28	29	57
32	—	1	1	49	11	13	24
33	2	—	2	50	5	3	8
34	3	1	4	51	7	—	7
35	209	128	337	52	4	4	8
36	109	66	175	53	2	7	9
37	78	32	110	54	6	10	16
38	91	50	141	55	1	4	5
39	158	99	257	56	1	—	1
40	114	83	197	Sum	1,214	1,027	<sup>1)</sup> 2,241
41	113	96	209	Average size { Males: 39.70 feet Females: 41.10 „ Total animals: 40.34 „ Per cent { Males: 54.17 Females: 45.83			
42	43	49	92				
43	130	165	295				
44	46	85	131				
45	15	27	42				
46	26	48	74				
47	12	26	38				

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

Table No. 8 (continued).

## Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males	females	
39	1	—	1	52	22	32	54
40	13	12	25	53	1	2	3
41	17	12	29	54	5	13	18
42	7	3	10	55	—	1	1
43	45	21	66	56	—	2	2
44	21	15	36	Sum	275	239	514
45	9	4	13	Average size	{ Males: 46.27 feet Females: 47.74 " Total animals: 46.95 "		
46	37	26	63	Per cent	{ Males: 53.50 Females: 46.50		
47	11	2	13				
48	34	29	63				
49	28	33	61				
50	4	2	6				
51	20	30	50				

## Sperm-whales.

30	—	1	1	47	175	—	175
31	—	1	1	48	156	—	156
32	—	5	5	49	163	—	163
33	—	2	2	50	61	—	61
34	—	1	1	51	57	—	57
35	6	—	6	52	22	—	22
36	17	5	22	53	1	—	1
37	22	9	31	54	3	—	3
38	479	256	735	56	1	—	1
39	713	224	937	Sum	4,547	570	<sup>1)</sup> 5,117
40	551	45	596	Average size	{ Males: 42.26 feet Females: 38.55 " Total animals: 41.85 "		
41	554	14	568	Per cent	{ Males: 88.86 Females: 11.14		
42	300	5	305				
43	468	—	468				
44	280	1	281				
45	181	1	182				
46	337	—	337				

<sup>1)</sup> In addition 8 sperm-whales lost.

## 18. Kuril Islands.

## Blue-whales.

1 male of 73 feet.

## Fin-whales.

55	6	—	6	67	—	4	4
56	6	—	6	68	—	1	1
57	10	5	15	71	—	1	1
58	3	3	6	72	—	1	1
59	1	7	8	Sum	32	57	<sup>1)</sup> 89
60	2	3	5	Average size	{ Males: 57.47 feet Females: 62.18 " Total animals: 60.48 "		
61	1	7	8	Per cent	{ Males: 35.96 Females: 64.04		
62	1	8	9				
63	1	8	9				
64	1	3	4				
65	—	2	2				
66	—	4	4				

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



Table No. 8 (continued).

## Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
50	2	1	3	64	—	2	2	
51	2	3	5	65	—	1	1	
52	2	9	11	66	—	4	4	
53	—	4	4	67	—	3	3	
54	3	4	7	68	—	1	1	
55	4	—	4	Sum	21	46	67	
56	1	1	2	Average size { Males: 55.24 feet Females: 57.87 „ Total animals: 57.04 „ Per cent { Males: 31.34 Females: 68.66				
57	2	1	3					
58	1	4	5					
59	—	1	1					
60	1	2	3					
61	2	—	2					
62	1	2	3					
63	—	3	3					

## Humpbacks.

1 male of 36 feet, 1 male of 38 and 1 male of 42 feet.

Average size: Males: 38.67 feet.

## Sei-whales.

34	1	—	1	48	12	22	34	
35	17	17	34	49	4	16	20	
36	17	19	36	50	5	11	16	
37	15	10	25	51	—	4	4	
38	18	19	37	52	—	3	3	
39	23	22	45	Sum	424	431	<sup>1)</sup> 855	
40	26	25	51	Average size { Males: 42.47 feet Females: 42.90 „ Total animals: 42.69 „ Per cent { Males: 49.59 Females: 50.41				
41	39	35	74					
42	32	50	82					
43	51	44	95					
44	44	40	84					
45	51	30	81					
46	41	35	76					
47	28	29	57					

<sup>1)</sup> Including 43 Bryde-whales.

## Sperm-whales.

31	1	2	3	48	16	—	16	
32	—	2	2	49	33	—	33	
33	2	13	15	50	26	—	26	
34	3	7	10	51	15	—	15	
35	85	374	459	52	10	—	10	
36	116	352	468	53	4	—	4	
37	108	127	235	54	2	—	2	
38	102	45	147	56	1	—	1	
39	59	25	84	Sum	760	954	1,714	
40	60	2	62	Average size { Males: 39.89 feet Females: 35.88 „ Total animals: 37.66 „ Per cent { Males: 44.34 Females: 55.66				
41	38	4	42					
42	17	—	17					
43	16	1	17					
44	12	—	12					
45	17	—	17					
46	6	—	6					
47	11	—	11					

Table No. 8 (continued).

**20. Ryukyu Islands.****Sperm-whales.**

1 male of 37 feet.

**21. Summary Pacific North.**

(California, Oregon, British Columbia, 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.		
57	—	1	1	79	13	45	58	
58	1	—	1	80	1	3	4	
65	1	—	1	81	2	6	8	
66	4	1	5	82	1	3	4	
67	—	2	2	84	1	1	2	
68	3	1	4	85	—	1	1	
69	3	1	4	86	—	1	1	
70	51	12	63	Sum	223	220	443	
71	12	8	20	Average size { Males: 72.95 feet Females: 75.39 „ Total animals: 74.16 „ Per cent { Males: 50.34 Females: 49.66				
72	44	28	72					
73	15	9	24					
74	22	20	42					
75	22	35	57					
76	10	11	21					
77	14	30	44					
78	3	1	4					

**Fin-whales.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
39	—	1	1	64	61	111	172	
45	1	—	1	65	17	78	95	
46	2	—	2	66	22	130	152	
47	3	1	4	67	8	63	71	
49	4	4	8	68	6	28	34	
50	9	6	15	69	5	29	34	
51	8	9	17	70	1	10	11	
52	10	11	21	71	—	6	6	
53	3	12	15	72	—	6	6	
54	8	6	14	73	1	1	2	
55	132	57	189	74	—	1	1	
56	123	81	204	Sum	1,230	1,272	<sup>1)</sup> 2,502	
57	146	56	202	Average size { Males: 59.07 feet Females: 61.60 „ Total animals: 60.36 „ Per cent { Males: 49.16 Females: 50.84				
58	74	41	115					
59	160	132	292					
60	90	56	146					
61	160	114	274					
62	125	135	260					
63	51	87	138					

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

Table No. 8 (continued).

## Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
31	—	1	1	48	28	30	58
32	1	3	4	49	11	14	25
33	2	—	2	50	5	4	9
34	4	1	5	51	7	—	7
35	214	134	348	52	4	4	8
36	115	69	184	53	2	7	9
37	80	36	116	54	6	10	16
38	92	55	147	55	1	4	5
39	163	100	263	56	1	—	1
40	123	85	208	Sum	1,265	1,073	<sup>1)</sup> 2,338
41	118	99	217	Average size	{ Males: 39.69 feet Females: 41.04 "		
42	51	51	102	Per cent	{ Total animals: 40.33 " Males: 54.11 Females: 45.89		
43	136	168	304				
44	47	89	136				
45	16	31	47				
46	26	51	77				
47	12	27	39				

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

## Sei-whales.

34	1	1	2	50	13	53	66
35	17	17	34	51	26	52	78
36	17	19	36	52	22	51	73
37	20	10	30	53	1	3	4
38	18	22	40	54	5	13	18
39	31	25	56	55	—	1	1
40	57	45	102	56	—	2	2
41	72	56	128	Sum	1,409	1,172	2,581
42	68	66	134	Average size	{ Males: 44.55 feet Females: 45.54 "		
43	168	88	256	Per cent	{ Total animals: 45.00 " Males: 54.59 Females: 45.41		
44	170	86	256				
45	186	89	275				
46	227	134	361				
47	132	101	233				
48	100	115	215				
49	58	123	181				

## Sperm-whales.

28	—	1	1	47	387	—	387
30	—	1	1	48	390	—	390
31	1	4	5	49	396	—	396
32	—	10	10	50	257	—	257
33	10	23	33	51	166	—	166
34	8	16	24	52	106	—	106
35	252	406	658	53	24	—	24
36	250	385	635	54	10	—	10
37	180	153	333	55	2	—	2
38	822	319	1,141	56	3	—	3
39	1,065	257	1,322	Sum	8,760	1,650	<sup>1)</sup> 10,410
40	858	48	906	Average size	{ Males: 42.45 feet Females: 36.80 "		
41	827	19	846	Per cent	{ Total animals: 41.55 " Males: 84.15 Females: 15.85		
42	525	5	530				
43	767	1	768				
44	488	1	489				
45	409	1	410				
46	557	—	557				

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

Table No. 8 (continued).

**Right-whales.**

Engl. feet.	Number of		Total animals.	Average size	Per cent
	males.	females.			
51	—	1	1	{ Males: 54.00 feet Females: 52.00 " Total animals: 52.67 "	{ Males: 33.33 Females: 66.67
53	—	1	1		
54	1	—	1		
<b>Sum</b>	<b>1</b>	<b>2</b>	<b>3</b>		

**22. Peru.  
Sperm-whales.**

1,656 males, 1,585 females, total 3,241 animals.  
(Length not stated.)

**23. Chile.****Blue-whales.**

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
56	1	—	1	76	1	—	1
59	1	—	1	82	—	1	1
64	1	1	2	<b>Sum</b>	<b>21</b>	<b>10</b>	<b>31</b>
65	1	—	1	Average size { Males: 68.33 feet Females: 69.80 " Total animals: 68.81 "	Per cent { Males: 67.74 Females: 32.26		
66	1	1	2				
67	2	1	3				
68	3	2	5				
69	1	—	1				
70	2	2	4				
71	3	1	4				
72	3	1	4				
73	1	—	1				

**Fin-whales.**

Engl. feet.	Number of		Total animals.	Average size	Per cent
	males.	females.			
40	1	—	1	{ Males: 53.83 feet Females: 49.40 " Total animals: 51.82 "	{ Males: 54.55 Females: 45.45
44	—	1	1		
46	—	1	1		
49	1	1	2		
50	2	—	2		
52	—	1	1		
56	—	1	1		
64	2	—	2		
<b>Sum</b>	<b>6</b>	<b>5</b>	<b>11</b>		

**Humpbacks.**

1 Male of 36 feet.



Table No. 8 (continued).

## Sei-whales.

Engl. feet.	Number of		Total animals.	
	males.	females.		
43	2	—	2	Average size { Males: 45.25 feet Females: 46.50 „ Total animals: 45.67 „
45	—	1	1	
46	1	—	1	
48	—	1	1	
49	1	—	1	
Sum	4	2	6	Per cent { Males: 66.67 Females: 33.33

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
24	1	1	2	44	26	—	26
25	1	3	4	45	15	—	15
26	4	6	10	46	22	—	22
27	11	26	37	47	27	—	27
28	16	48	64	48	14	—	14
29	16	53	69	49	11	—	11
30	26	94	120	50	3	—	3
31	39	111	150	51	1	—	1
32	60	121	181	52	3	—	3
33	31	77	108	53	2	—	2
34	92	103	195	54	2	—	2
35	59	29	88	Sum	788	695	1) 1,483
36	52	13	65				
37	68	6	74				
38	38	3	41				
39	34	—	34				
40	40	1	41				
41	26	—	26				
42	14	—	14				
43	34	—	34				

Average size { Males: 37.11 feet  
Females: 31.47 „  
Total animals: 34.47 „

Per cent { Males: 53.14  
Females: 46.86

1) In addition 3 males and 8 females caught, length not stated.

## 24. Australia.

## Blue-whales.

1 male of 68 feet.

## Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
29	1	—	1	44	—	1	1
31	—	1	1	45	—	3	3
33	1	1	2	47	—	1	1
35	4	8	12	Sum	36	51	87
36	3	10	13				
37	9	6	15				
38	4	2	6				
39	6	3	9				
40	6	5	11				
41	1	1	2				
42	1	5	6				
43	—	4	4				

Average size { Males: 37.56 feet  
Females: 38.59 „  
Total animals: 38.16 „

Per cent { Males: 41.38  
Females: 58.62

Table No. 8 (continued).

## Sei-whales.

Engl. feet.	Number of		Total animals.	Average size	Per cent
	males.	females.			
28	1	—	1	Males: 28.00 feet Females: 50.50 " Total animals: 43.00 "	Males: 33.33 Females: 66.67
47	—	1	1		
54	—	1	1		
Sum	1	2	3		

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
27	—	1	1	45	56	—	56	
28	1	1	2	46	40	—	40	
29	1	2	3	47	36	—	36	
31	1	6	7	48	32	—	32	
32	1	5	6	49	25	—	25	
33	2	8	10	50	15	—	15	
34	2	2	4	51	11	—	11	
35	10	6	16	52	9	—	9	
36	16	4	20	Sum	593	36	629	
37	28	1	29	Average size				Males: 42.93 feet Females: 32.83 " Total animals: 42.35 "
38	28	—	28	Per cent				Males: 94.28 Females: 5.72
39	45	—	45					
40	48	—	48					
41	51	—	51					
42	41	—	41					
43	41	—	41					
44	53	—	53					

## 25. New Zealand.

## Humpbacks.

Engl. feet.	Number of		Total animals.	Average size	Per cent
	males.	females.			
36	—	1	1	Males: 40.50 feet Females: 40.00 " Total animals: 40.33 "	Males: 66.67 Females: 33.33
37	1	—	1		
38	1	1	2		
40	1	—	1		
41	2	—	2		
46	1	1	2		
Sum	6	3	9		

Table No. 8 (continued).

## Sperm-whales.

Engl. feet.	Males.	Engl. feet.	Males.
35	1	47	5
37	1	48	8
38	2	49	12
39	3	50	15
40	4	51	8
41	4	52	10
42	5	53	1
43	7	54	1
44	8	55	2
45	8		
46	9	Sum	114

Average size: Males: 46.74 feet.

## 26. South Atlantic Ocean, pelagic.

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

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
28	—	1	1	45	7	—	7
30	—	3	3	46	9	—	9
32	3	4	7	47	2	—	2
33	3	6	9	48	6	—	6
34	—	1	1	49	3	—	3
35	1	1	2	50	5	—	5
36	2	5	7	51	5	—	5
37	4	1	5	55	1	—	1
38	87	5	92	Sum	404	27	<sup>1)</sup> 431
39	74	—	74	Average size { Males: 40.74 feet			
40	51	—	51	{ Females: 34.07 "			
41	40	—	40	{ Total animals: 40.32 "			
42	47	—	47	Per cent { Males: 93.74			
43	32	—	32	{ Females: 6.26			
44	22	—	22				

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

## 27. Indian Ocean, pelagic.

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

## Sperm-whales.

30	—	1	1	46	23	—	23
31	1	—	1	47	29	—	29
33	1	5	6	48	28	—	28
34	1	3	4	49	26	—	26
35	1	2	3	50	24	—	24
36	5	4	9	51	7	—	7
37	2	—	2	52	5	—	5
38	393	817	1,210	54	1	—	1
39	195	141	336	Sum	1,021	983	<sup>1)</sup> 2,004
40	74	8	82	Average size { Males: 40.67 feet			
41	68	1	69	{ Females: 38.11 "			
42	35	—	35	{ Total animals: 39.42 "			
43	44	—	44	Per cent { Males: 50.95			
44	28	1	29	{ Females: 49.05			
45	30	—	30				

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

Table No. 8 (continued).

## 28. South Pacific Ocean, pelagic.

(Catch by floating factories on voyage to the Antarctic whaling grounds.)

## Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.															
	males.	females.			males.	females.																
34	1	2	3	49	9	—	9															
35	1	—	1	50	13	—	13															
36	—	2	2	51	11	—	11															
38	98	359	457	52	4	—	4															
39	68	286	354	53	3	—	3															
40	46	114	160	54	1	—	1															
41	20	46	66	55	2	—	2															
42	24	21	45	Sum	382	837	1,219															
43	10	5	15	Average size	Males:	41.92 feet	Males: 41.92 feet															
44	9	2	11					Females:	38.91 "	Females: 38.91 "												
45	11	—	11								Total animals:	39.85 "	Total animals: 39.85 "									
46	16	—	16											Per cent	Males: 31.34	Males: 31.34						
47	19	—	19														Females: 68.66	Females: 68.66	Females: 68.66			
48	16	—	16																	Females: 68.66	Females: 68.66	Females: 68.66

Table No. 9.—Average production of oil per "blue-whale unit" in the summer season 1963.

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.
<i>Africa:—</i>			Barrels. <sup>1)</sup>	Barrels. <sup>1)</sup>
Natal .....	No. 1	255.1	24,450	95.8
Cape Province .....	" 1	159.7	10,126	63.4
Total		414.8	34,576	83.4
<i>Brazil. ....</i>	No. 1	46.2	4,064	88.0
	" 2	18.3	1,440	78.7
Total		64.5	5,504	85.3
<i>North Atlantic and Arctic:—</i>				
Spain .....	No. 1	<sup>2)</sup> —	<sup>3)</sup> (255)	—
	" 2	<sup>2)</sup> —	<sup>3)</sup> (121)	—
Norway .....	" 1	10.5	644	61.3
	" 2	10.5	581	55.3
Faroe Islands .....	" 1	1.5	42	28.0
Iceland .....	" 1	144.8	12,090	83.5
Total		167.3	13,357	79.8

<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. 9 (continued).

Geographical areas.	Company.	Blue-whale equivalents.	Oil production.	
			Total.	Average per blue-whale equivalent.
			Barrels. <sup>1)</sup>	Barrels. <sup>1)</sup>
<i>Pacific North:—</i>				
California .....	No 1	30.2	2,162	71.6
	" 2	22.0	1,543	70.1
Oregon .....	" 1	2.5	69	27.6
British Columbia .....	" 1	175.3	12,879	73.5
North Pacific Ocean and Bering Sea, pelagic .....	" 1	287.0	30,488	106.2
	" 2	228.5	20,024	87.6
	" 3	227.0	20,412	89.9
Kamtchatka, pelagic .....	" 1	329.4	19,819	60.2
	" 2	400.6	29,794	74.4
	" 3	1,129.1	67,649	59.9
Kuril Islands .....	" 1	50.2	3,163	63.0
Japan .....	" 1	43.5	3,112	71.5
	" 2	69.3	3,937	56.8
	" 3	17.0	904	53.2
	" 4	29.4	1,422	48.3
	" 5	20.0	1,069	53.5
	Total	3,061.0	218,446	71.4
<i>Chile</i> .....	No. 1	28.7	1,538	53.6
	" 2	9.2	400	43.5
	Total	37.9	1,938	51.1
<i>Australia</i> .....	No. 1	7.6	905	119.1
	" 2	27.5	2,920	106.2
	Total	35.1	3,825	109.0
<i>New Zealand</i> .....	No. 1	3.6	367	101.9

<sup>1)</sup> Barrel = 170 kg. (Barrel = abt.  $\frac{1}{4}$  long ton, 1 long ton = 1,016 kg.)

**Table No. 10.—Average production of oil per sperm-whale  
in the summer season 1963.**

Geographical areas.	Company.	Number of sperm-whales.	Oil production.	
			Total.	Average per sperm-whale.
			Barrels. <sup>1)</sup>	Barrels. <sup>1)</sup>
<i>Africa:—</i>				
Natal .....	No. 1	1,771	44,698	25.2
Cape Province .....	" 1	691	16,010	23.2
	Total	2,462	60,708	24.7
<i>Brazil</i> .....	No. 1	7	97	13.9
	" 2	35	726	20.7
	Total	42	823	19.6

<sup>1)</sup> Barrel = 170 kg. (Barrel = abt.  $\frac{1}{4}$  long ton, 1 long ton = 1,016 kg.)

Table No. 10 (continued).

Geographical areas.	Company.	Number of sperm-whales.	Oil production	
			Total	Average per sperm-whale.
			Barrels <sup>1)</sup>	Barrels <sup>1)</sup>
<i>North Atlantic and Arctic:—</i>				
Azores .....	No. 1	472	13,510	28.6
Madeira .....	" 1	186	3,990	21.5
Spain .....	" 1	68	1,154	17.0
	" 2	45	1,433	31.8
Norway .....	" 1	39	2,507	64.3
	" 2	68	2,881	42.4
Faroe Islands .....	" 1	8	448	56.0
Iceland .....	" 1	136	8,122	59.7
	Total	1,022	34,045	33.3
<i>Pacific North:—</i>				
California .....	No. 1	52	1,499	28.8
	" 2	25	350	14.0
British Columbia .....	" 1	147	4,329	29.4
North Pacific Ocean and Bering Sea, pelagic .....	" 1	900	38,529	42.8
	" 2	900	40,765	45.3
	" 3	899	44,436	49.4
Kamtschatka, pelagic .....	" 1	1,189	40,409	34.0
	" 2	1,093	39,966	36.6
	" 3	1,138	38,826	34.1
	" 4	1,697	51,092	30.1
Kuril Islands .....	" 1	655	13,106	20.0
Japan .....	" 1	379	6,598	17.4
	" 2	363	7,149	19.7
	" 3	263	5,547	21.1
	" 4	438	13,775	31.4
	" 5	271	5,179	19.1
Ryukyu Islands .....	" 1	1	8	8.0
	Total	10,410	351,563	33.8
<i>Peru</i> .....	No. 1	} 3,241	60,903	18.8
	" 2			
	" 3			
<i>Chile</i> .....	No. 1	1,162	19,617	16.9
	" 2	332	8,492	25.6
	Total	1,494	28,109	18.8
<i>Australia</i> .....	No. 1	572	23,266	40.7
	" 2	57	1,020	17.9
	Total	629	24,286	38.6
<i>New Zealand</i> .....	No. 1	114	4,744	41.6

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

