

DET NORSKE HVALRÅDS STATISTISKE PUBLIKASJONER

INTERNATIONAL
WHALING STATISTICS
LIX

EDITED BY
THE COMMITTEE FOR WHALING STATISTICS



OSLO 1967

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PREFACE

The present publication, International Whaling Statistics No. LIX, comprises the whaling operations in the Antarctic during the season 1965-66 and on grounds outside the Antarctic in the calendar year 1966.

Statistical data relating to the sex and size of the whales killed have not been received from

“Industria Ballenera S.A.”, Spain,
“Macaya Hermanos y Cia.”, Chile, and from
one Peruvian whaling company.

With these exceptions the statistics, to the best knowledge of the Committee, include all operations carried on in 1966.

O s l o , October 1967.

Gunnar Jahn.

Birger Bergersen.

Einar Vangstein.

INTRODUCTION

This publication comprises the world aggregate whaling results for 1966, i.e. the catch in the Antarctic during the season 1965-66 and the catch on grounds outside the Antarctic during the calendar year 1966. Details respecting the Antarctic catch were given in International Whaling Statistics No. LVIII, while the present volume gives specifications of the operations on grounds outside the Antarctic in 1966.

In 1966 the following alterations took place in respect to the participation in the operations outside the Antarctic, as compared with the season 1965:

The company *Industrial Ballenera S.A.* commenced whaling from a third whaling station (Lugo) on the coast of Spain.

No whaling was carried on from the shore station "Steinshamn" in West Norway, belonging to *Brødrene Sebjørnsen A/S.*

Comeau Seafoods Limited, which operated one catcher from Nova Scotia on an experimental basis during the 1965 season, did not operate in 1966, but is expected to operate again in 1967.

An exploratory whaling operation was conducted from South Dildo in Newfoundland during the 1966 season by the *East Coast Whaling Company Ltd.*

The company *Bioproducts Inc.* was not in operation from Oregon, U.S.A. in 1966.

It should also be mentioned that 8 of the Antarctic floating factories on their voyages to and from the Antarctic whaling grounds, in 1966 caught 1,934 sperm-whales in the South Atlantic Ocean, Indian Ocean and South Pacific Ocean.

In 1966 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, Iceland, Newfoundland and Nova Scotia.

Pacific North: California, British Columbia, North Pacific Ocean and Bering Sea, Kamtchatka and Japan.

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

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

From table a, page 11, it will be seen that whaling on grounds outside the Antarctic during the season 1966 was carried on from 27 shore stations and 7 floating factories with a total of 152 catchers, i.e. there were the same number of shore stations and floating factories but 2 catchers less than in 1965.

In order to show how the catch on grounds outside the Antarctic has developed in recent years we give the following table, showing the number of whales killed during the period 1953/54-1965/66. Figures for the Antarctic whaling are also included in order to give the total world whaling results during this period.

Number of whales killed in the seasons 1953/54-1965/66.

Season	Total of whales killed	In Antarctic			On other grounds		
		Total	Baleen whales	Sperm-whales	Total	Baleen whales	Sperm-whales
1953-54.....	53,615	34,869	31,990	2,879	18,746	8,082	10,664
1954-55.....	55,041	37,654	31,864	5,790	17,387	7,584	9,803
1955-56.....	58,062	38,538	31,564	6,974	19,524	7,908	11,616
1956-57.....	58,990	36,069	31,640	4,429	22,921	8,194	14,727
1957-58.....	64,075	39,403	32,868	6,535	24,672	9,361	15,311
1958-59.....	64,373	38,787	33,135	5,652	25,586	9,940	15,646
1959-60.....	63,489	38,688	34,461	4,227	24,801	8,684	16,117
1960-61.....	65,641	41,127	36,327	4,800	24,514	8,184	16,330
1961-62.....	66,090	38,552	33,723	4,829	27,538	9,051	18,487
1962-63.....	63,579	30,159	25,388	4,771	33,420	10,333	23,087
1963-64.....	63,001	29,942	23,231	6,711	33,059	10,515	22,544
1964-65.....	64,680	32,563	28,211	4,352	32,117	10,921	21,196
1965-66.....	57,891	24,680	20,125	4,555	33,211	10,388	22,823

From this table it will be seen that the total catch of whales on grounds outside the Antarctic has increased considerably during the last years, from about 20,000 whales in 1956 to about 33,000 in each of the last 4 years. This increase in the catch in recent years is substantially a result of the large catch of sperm-whales outside the Antarctic, especially from Kamtchatka where the catch of sperm-whales has increased from about 1,850 in 1961 to about 9,500 in 1966, and from North Pacific Ocean and Bering Sea with an increased sperm-whale catch from 1,800 in 1961 to 3,000 in 1966.

In tables *i-z*, pages 22 to 29, particulars are given for a series of years in respect to the catch results on the individual grounds outside the Antarctic.

Table *z*¹, page 30, 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 1965-66 were 202,704 tons and 54,482 tons, respectively. Of these quanta 136,499 tons whale meat and 18,758 tons whale meal were produced in the Antarctic.

In some tables *z*²⁻⁹, pages 31-37, is recorded the catch of small whales on the various grounds outside the Antarctic and also in the Antarctic during the last 5 seasons.

Annex.

Supplementary Tables to the Introduction.

Table a.—Whaling matériel in operation in the years 1953/54—1965/66.

Years. ¹⁾	All whaling grounds.			Antarctic.			Others.		
	Shore stations.	Floating factories.	Catchers.	Shore stations.	Floating factories.	Catchers.	Shore stations.	Floating factories.	Catchers.
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
1963-64	39	23	357	2	16	194	37	7	163
1964-65 ²⁾	29	22	331	2	15	177	27	7	154
1965-66	28	17	280	1	10	128	27	7	152

¹⁾ 1953-54 = Antarctic season 1953-54 and summer 1954, a.s.o. ²⁾ Excl. one Chilean shore station.

Table b.—Whales killed in the years 1953/54—1965/66, by species.

Years. ¹⁾	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.
1953-54.....	3,009	31,335	3,155	2,491	13,543	82	53,615
1954-55.....	2,495	32,185	2,713	1,940	15,593	115	55,041
1955-56.....	1,987	31,496	3,880	2,076	18,590	33	58,062
1956-57.....	1,775	31,626	3,196	3,138	19,156	99	58,990
1957-58.....	1,995	31,587	2,923	5,670	21,846	54	64,075
1958-59.....	1,442	30,942	5,055	5,539	21,298	97	64,373
1959-60.....	1,465	30,985	3,576	7,035	20,344	84	63,489
1960-61.....	1,987	31,790	2,840	7,785	21,130	109	65,641
1961-62.....	1,255	30,178	2,436	8,804	23,316	101	66,090
1962-63.....	1,429	21,916	2,758	9,549	27,858	69	63,579
1963-64.....	372	19,182	318	13,690	29,255	184	63,001
1964-65 ²⁾	613	12,317	452	25,453	25,548	297	64,680
1965-66.....	243	6,882	59	23,067	27,378	262	57,891

¹⁾ 1953-54 = Antarctic season 1953-54 and summer 1954, a.s.o. ²⁾ Excl. one Chilean shore station.

Table c.—Whales killed in the various main areas 1953/54—1965/66.

Years.	All areas.		Antarctic.		Africa		North Atlantic and Arctic. ¹⁾		Pacific, north. ²⁾		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.
1953-54.....	53,615	100	34,869	65.0	1,088	2.0	788	1.5	627	1.2	2,354	4.5
1954-55.....	55,041	100	37,654	68.4	1,310	2.4	864	1.6	627	1.1	2,387	4.3
1955-56.....	58,062	100	38,538	66.4	1,229	2.1	858	1.5	519	0.9	3,284	5.6
1956-57.....	58,990	100	36,069	61.1	2,536	4.3	979	1.7	890	1.5	3,109	5.3
1957-58.....	64,075	100	39,403	61.5	3,026	4.7	886	1.4	1,322	2.1	3,644	5.7
1958-59.....	64,373	100	38,787	60.3	3,609	5.6	606	0.9	1,400	2.2	3,580	5.5
1959-60.....	63,489	100	38,688	61.0	3,523	5.5	596	0.9	451	0.7	3,029	4.8
1960-61.....	65,641	100	41,127	62.7	3,352	5.1	608	0.9	438	0.7	2,961	4.5
1961-62.....	66,090	100	38,552	58.3	3,947	6.0	738	1.1	983	1.5	2,959	4.5
1962-63.....	63,579	100	30,159	47.4	4,054	6.4	600	1.0	832	1.3	2,641	4.2
1963-64.....	63,001	100	29,942	47.5	4,210	6.7	613	1.0	1,153	1.8	2,801	4.4
1964-65.....	64,680	100	32,563	50.3	5,398	8.4	726	1.1	1,106	1.7	2,340	3.6
1965-66.....	57,891	100	24,680	42.6	4,148	7.2	971	1.6	938	1.6	2,516	4.4
	North Pacific Ocean and Bering Sea (pelagic).		Kamchatka and Kuril Islands.		Chile.		Peru.		Australia and New Zealand.		Others.	
1953-54.....	2,217	4.1	2,724	5.1	1,328	2.5	4,175	7.7	2,219	4.1	1,226	2.3
1954-55.....	2,652	4.8	3,016	5.5	1,298	2.4	1,887	3.4	1,965	3.6	1,381	2.5
1955-56.....	3,168	5.4	3,277	5.7	1,633	2.8	2,027	3.5	2,210	3.8	1,319	2.3
1956-57.....	3,341	5.7	3,498	5.9	2,512	4.3	2,381	4.0	2,286	3.9	1,389	2.3
1957-58.....	3,255	5.0	4,364	6.8	2,317	3.6	2,554	4.0	2,278	3.6	1,026	1.6
1958-59.....	3,352	5.2	4,137	6.4	2,233	3.5	3,400	5.3	2,131	3.3	1,138	1.8
1959-60.....	3,466	5.5	4,381	6.9	2,084	3.3	3,451	5.4	2,170	3.4	1,650	2.6
1960-61.....	3,338	5.1	3,960	6.0	2,334	3.5	3,602	5.5	2,018	3.1	1,903	2.9
1961-62.....	4,043	6.1	5,444	8.2	2,338	3.5	3,301	5.0	1,355	2.1	2,430	3.7
1962-63.....	4,760	7.5	10,059	15.8	1,543	2.4	3,241	5.1	843	1.3	4,847	7.6
1963-64.....	5,043	8.0	9,410	14.9	1,508	2.4	2,066	3.3	849	1.4	5,406	8.6
1964-65.....	5,353	8.3	10,698	16.6	1,348	2.1	1,289	2.0	668	1.0	3,191	4.9
1965-66.....	6,474	11.2	12,368	21.4	1,099	1.9	1,365	2.4	606	1.0	2,726	4.7

¹⁾ Excluding Spain, Azores and Madeira. ²⁾ Excluding Japan, North Pacific Ocean and Bering Sea, Kamchatka and Kuril Islands.

Table d.—Oil production in the various main areas 1953/54.—1965/66.

Years.	All areas.			Antarctic.			Africa.			North Atlantic and Arctic. ¹⁾			Pacific North. ²⁾			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. ³⁾		Barrels.	Barrels.		Barrels.	Barrels.		Barrels.	Barrels.		Barrels.	Barrels.		Barrels.	Barrels.		Barrels.
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
1963-64..	2,228,211	100	6,241	1,340,758	60.2	6,911	89,153	4.0	5,944	24,154	1.1	1,858	24,513	1.1	2,228	45,540	2.0	2,070
1964-65..	1,994,969	100	6,027	1,063,416	53.3	6,008	106,004	5.3	6,236	25,384	1.3	1,954	22,066	1.1	2,006	44,917	2.3	2,642
1965-66..	1,546,904	100	5,525	644,263	41.6	5,033	93,987	6.1	5,529	34,604	2.2	2,884	18,855	1.2	1,886	55,523	3.6	3,266
	North Pacific Ocean and Bering Sea (pelagic).			Kamchatka and Kuril Islands.			Chile.			Peru.			Australia and New Zealand.			Others.		
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	.
1963-64..	183,183	8.2	8,723	284,422	12.8	5,688	36,620	1.6	2,817	40,745	1.8	4,075	35,821	1.7	8,955	123,302	5.5	.
1964-65..	200,406	10.0	8,016	339,061	17.0	6,920	40,100	2.0	4,010	30,878	1.5	6,176	26,508	1.3	8,836	96,229	4.9	.
1965-66..	209,411	13.6	6,755	332,369	21.5	7,730	28,091	1.8	2,554	27,411	1.8	6,853	25,051	1.6	8,350	77,339	5.0	.

¹⁾ Excluding Spain, Azores and Madeira. ²⁾ Excluding Japan, North Pacific Ocean and Bering Sea, Kamchatka and Kuril Islands. ³⁾ Barrel = 170 kg. (Barrel = abt. 1/4 long ton.)

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

Years.	All countries.	Argentina.	Australia.	Brazil.	Canada.	Chile.	Denmark.	France.	Iceland.	Japan.
<i>Absolute figures:</i>										
1953-54.....	53,615	1,083	2,039	202	627	1,328	62	—	334	8,789
1954-55.....	55,041	947	1,853	211	629	1,298	196	—	400	10,997
1955-56.....	58,062	812	2,051	217	396	1,633	190	—	440	12,914
1956-57.....	58,990	1,108	2,100	122	673	2,512	250	—	517	14,614
1957-58.....	64,075	1,860	2,095	128	838	2,317	91	—	508	18,662
1958-59.....	64,373	923	1,811	313	889	2,233	—	178	371	19,490
1959-60.....	63,489	932	1,809	813	2	2,084	1	—	379	18,854
1960-61.....	65,641	—	1,937	1,083	1	2,334	1	—	350	19,891
1961-62.....	66,090	—	1,320	756	712	2,338	15	—	483	21,814
1962-63.....	63,579	—	720	403	576	1,543	11	—	439	23,886
1963-64.....	63,001	—	710	260	942	1,508	19	—	444	24,080
1964-65.....	64,680	—	668	162	1,009 ²⁾	1,348	17	—	432	24,468
1965-66.....	57,891	—	606	96	1,155	1,099	5	—	437	21,856
<i>Percentage figures:</i>										
	%	%	%	%	%	%	%	%	%	%
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	22.8
1956-57.....	100.0	1.9	3.6	0.2	1.2	4.3	0.4	—	0.9	24.1
1957-58.....	100.0	2.9	3.3	0.2	1.3	3.6	0.1	—	0.8	29.3
1958-59.....	100.0	1.4	2.8	0.5	1.4	3.5	—	0.3	0.6	30.7
1959-60.....	100.0	1.5	2.8	1.3	—	3.3	—	—	0.6	29.2
1960-61.....	100.0	—	2.9	1.6	—	3.6	—	—	0.5	30.3
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	37.6
1963-64.....	100.0	—	1.1	0.4	1.5	2.4	—	—	0.7	38.2
1964-65.....	100.0	—	1.0	0.3	1.6 ²⁾	2.1	—	—	0.7	37.8
1965-66.....	100.0	—	1.0	0.2	2.0	1.9	—	—	0.7	37.8

¹⁾ Including the catch of one company registered at Falkland Islands. ²⁾ Excl. one company.

in the years 1953/54—1965/66. 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>											
1953-54..	1,711	180	15,320	2,348	1,827	807	282	3,249	7,620	-	5,807
1954-55..	848	112	14,796	2,512	1,887	839	292	3,006	7,912	-	6,306
1955-56..	1,665	159	14,716	2,854	2,027	705	273	3,413	7,443	145	6,009
1956-57..	1,434	186	15,241	-	2,381	842	301	4,132	6,266	259	6,052
1957-58..	1,867	183	13,526	-	2,554	701	181	3,026	7,080	550	7,908
1958-59..	2,226	320	14,296	-	3,400	572	237	3,431	5,430	531	7,722
1959-60..	2,081	361	11,572	-	3,451	606	197	3,523	5,164	451	11,209
1960-61..	2,212	81	12,829	-	3,602	507	192	3,352 ¹⁾	5,813	438	11,018
1961-62..	1,628	35	9,681	-	3,301	583	198	3,947 ¹⁾	4,363	271	14,645
1962-63..	1,330	123	5,005	-	3,241	658	126	4,054	1,552	257	19,654
1963-64..	1,182	139	6,131	-	2,066	611	219	4,210	-	273	20,207
1964-65..	-	-	7,624	-	1,289	530	280	5,398	-	241	21,214
1965-66..	-	-	4,897	-	1,365	410	283	4,148	-	221	21,313
<i>Percentage figures:</i>											
	%	%	%	%	%	%	%	%	%	%	%
1953-54..	3.2	0.3	28.6	4.4	3.4	1.5	0.5	6.1	14.2	-	10.8
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	10.3
1957-58..	2.9	0.3	21.1	-	4.0	1.1	0.3	4.7	11.1	0.9	12.3
1958-59..	3.4	0.5	22.2	-	5.3	0.9	0.4	5.3	8.4	0.8	12.0
1959-60..	3.3	0.6	18.2	-	5.4	1.0	0.3	5.5	8.1	0.7	17.7
1960-61..	3.4	0.1	19.5	-	5.5	0.8	0.3	5.1	8.9	0.7	16.8
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	30.9
1963-64..	1.9	0.2	9.7	-	3.3	1.0	0.4	6.7	-	0.4	32.1
1964-65..	-	-	11.8	-	2.0	0.8	0.4	8.3	-	0.4	32.8
1965-66..	-	-	8.4	-	2.4	0.7	0.5	7.2	-	0.4	36.8

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

Years.	All countries.	Argentina.	Australia.	Brazil.	Canada.	Chile.	Denmark.	France.	Iceland.	Japan.
<i>Absolute figures:</i>										
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	13,146	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
1963-64 . . .	2,228,211	-	30,108	²⁾ 3,667	17,127	36,620	607	-	18,913	953,404
1964-65 . . .	1,994,969	-	26,508	²⁾ 2,359	17,689	⁴⁾ 40,100	559	-	17,273	799,936
1965-66 . . .	1,546,904	-	25,051	²⁾ 1,327	25,785	28,091	128	-	18,410	525,654
<i>Percentage figures:</i>										
	%	%	%	%	%	%	%	%	%	%
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
1963-64 . . .	100.0	-	1.4	0.2	0.8	1.6	-	-	0.8	42.8
1964-65 . . .	100.0	-	1.3	0.2	0.9	⁴⁾ 2.0	-	-	0.9	40.1
1965-66 . . .	100.0	-	1.6	0.1	1.7	1.8	-	-	1.2	34.0

¹⁾ Barrel = 170 kg. (Barrel = abt. $\frac{1}{4}$ long ton, 1 long ton = 1,016 kg.) ²⁾ Calculated. ³⁾ Including the

in the years 1953/54—1965/66. All areas.

Oil production in barrels.¹⁾

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>											
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	²⁾ 5,123	88,345	³⁾ 306,199	11,435	499,544
1961-62.	90,305	1,538	581,652	—	67,189	16,622	4,440	96,783	²⁾ 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
1963-64.	63,382	5,713	258,164	—	40,745	16,056	6,010	89,153	—	8,343	680,199
1964-65.	—	—	232,102	—	30,878	15,452	9,527	106,004	—	7,044	689,538
1965-66.	—	—	132,587	—	27,411	11,680	²⁾ 8,472	93,987	—	5,465	642,856
<i>Percentage figures:</i>	%	%	%	%	%	%	%	%	%	%	%
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
1963-64.	2.8	0.3	11.6	—	1.8	0.7	0.3	4.0	—	0.4	30.5
1964-65.	—	—	11.6	—	1.5	0.8	0.5	5.3	—	0.4	34.5
1965-66.	—	—	8.6	—	1.8	0.7	0.5	6.1	—	0.3	41.6

production of one company registered at Falkland Islands. ⁴⁾ Excl. one whaling company.

Table g.—Sperm-oil production in the years 1958/59—1965/66.

Grounds.	¹⁾ 1958-59	1959-60	1960-61	1961-62	1962-63	1963-64	1964-65	1965-66	
	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	
South Georgia.....	10,305	4,399	6,409	4,456	—	3,041	6,776	735	
Antarctic, pelagic.....	251,794	191,517	208,039	204,783	202,288	273,130	173,154	186,279	
Africa:—									
Natal.....	22,866	27,510	25,131	40,293	44,698	46,126	55,832	58,695	
Cape Province.....	14,900	17,890	15,774	21,246	16,010	18,358	18,264	15,874	
Gabon ²⁾	230	—	—	—	—	—	—	—	
South Atlantic, pelagic.....	³⁾ 309	³⁾ 989	³⁾ 3,655	³⁾ 13,324	³⁾ 12,748	³⁾ 7,850	³⁾ 1,814	³⁾ 10,701	
Brazil.....	86	608	2,235	2,300	823	37	251	307	
North Atlantic and Arctic:—									
Azores.....	12 148	11,636	10,534	12,651	13,510	13,819	12,341	8,976	
Madeira.....	3,052	3,813	3,154	3,971	3,990	2,237	3,111	2,704	
Spain.....	3,980	3,275	2,632	3,682	2,587	5,122	3,469 ⁶⁾	4,294	
Norway.....	1,271	4,104	3,291	4,040	5,388	2,135	1,040	1,620	
Faroe Islands.....	7,617	—	—	366	448	299	299	37	
Iceland.....	—	10,471	8,947	8,074	8,122	8,301	4,278	4,826	
Newfoundland.....	82	19	—	—	—	—	—	36	
Nova Scotia.....	—	—	—	—	—	161	—	—	
Pacific North:—									
California.....	457	450	1,774	1,447	1,849	1,047	2,788	1,458	
Oregon.....	—	—	82	—	—	12	—	—	
British Columbia.....	7,394	—	—	4,615	4,329	2,868	3,819	6,446	
Bering Sea.....	84,806	87,441	76,765	122,605	123,730	114,447	114,847	129,829	
Kamchatka.....	68,621	91,202	75,846	70,534	170,293	163,458	270,506	285,058	
Kuril Islands.....	41,562	34,309	27,841	24,661	13,106	9,794	—	—	
Japan.....	40,484	40,923	37,573	32,423	38,248	35,789	39,595	50,785	
Ryukyu Islands.....	127	249	183	—	8	—	—	—	
Indian Ocean.....	—	—	—	³⁾ 7,801	³⁾ 41,915	³⁾ 52,048	³⁾ 53,032	³⁾ 40,288	
South Pacific Ocean.....	—	—	—	³⁾ 4,053	³⁾ 26,812	³⁾ 37,671	³⁾ 14,045	³⁾ 4,842	
Peru.....	74,781	75,426	76,644	67,189	60,903	39,734	22,214	16,547	
Chile.....	38,801	33,166	37,887	37,360	28,109	25,069 ⁵⁾	4,627	16,565	
Australia and New Zealand..	5,906	11,337	18,934	24,251	29,030	35,704	26,508	25,051	
Total	691,579	650,734	643,330	716,125	848,944	898,257	832,610	871,953	
<i>Of which produced by:</i>									
Norway.....	{ In Antarctic	88,354	63,791	74,057	68,754	39,367	44,530	50,711	30,379
	{ Outside "	1,480	5,093	5,240	7,904	11,425	9,190	1,900	3,840
United Kingdom...	{ In Antarctic	40,535	22,002	⁴⁾ 14,667	⁴⁾ 19,843	12,331	—	—	—
	{ Outside "	100	—	—	610	—	—	—	—
South Africa...	{ Antarctic	37,766	45,400	40,905	61,539	60,708	64,484	74,096	74,569
	{ In Antarctic	95,842	65,877	71,825	44,213	50,503	67,400	15,458	9,431
Japan.....	{ Outside "	125,290	128,364	114,338	165,340	218,323	208,241	159,227	184,726
	{ In Antarctic	20,374	40,397	43,651	58,894	83,488	148,830	113,761	147,204
U.S.S.R.....	{ Outside "	110,183	125,511	105,393	105,587	201,600	205,761	333,752	334,557
	{ In Antarctic	13,784	2,019	10,248	17,535	16,599	15,411	—	—
Netherlands...	{ Outside "	—	—	—	—	892	—	—	—
Argentina....	{ In Antarctic	3,210	1,830	—	—	—	—	—	—
Canada.....	{ Outside "	7,476	19	—	4,615	4,329	3,029	3,819	6,482
Portugal.....	{ Outside "	15,200	15,449	13,688	16,622	17,500	16,056	15,452	11,680

(Cont. on next page.)

¹⁾ 1958-59 = Antarctic season 1958-59 and summer 1959, a.s.o. ²⁾ Earlier French Congo. ³⁾ Produced by floating factories on their voyage to and from the Antarctic. ⁴⁾ Including the production of one company registered at Falkland Islands. ⁵⁾ Excl. one company. ⁶⁾ Calculated.

Table g (cont.)

Grounds	1958-59	1959-60	1960-61	1961-62	1962-63	1963-64	1964-65	1965-66
Australia.. Outside Antarctic	Barrels 5,906	Barrels 11,337	Barrels 18,934	Barrels 24,155	Barrels 24,286	Barrels 30,108	Barrels 26,508	Barrels 25,051
Spain Outside Antarctic	3,980	3,275 ¹⁾	2,632	3,682	2,587	5,122	3,469 ¹⁾	4,294
France Outside "	230	—	—	—	—	—	—	—
Denmark Outside "	—	—	—	366	448	299	299	37
Iceland..... Outside "	7,617	10,471	8,947	8,074	8,122	8,301	4,278	4,826
Peru Outside "	74,781	75,426	76,644	67,189	60,903	39,734	22,214	16,547
Chile Outside "	38,801	33,166	37,887	37,360	28,109	25,069	4,627	16,565
Brazil Outside "	86	608	2,235	2,300	823	37	251	307
U.S.A..... Outside "	584	699	2,039	1,447	1,857	1,059	2,788	1,458
New Zealand . Outside "	—	—	—	96	4,744	5,596	—	—

¹⁾ Calculated.

Table h.—Average size of whales killed in the different grounds in the years 1959 to 1966.

Species of whales and whaling grounds.	1966	1965	1964	1963	1962	1961	1960	1959
Blue-whales.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
Antarctic:—								
South Georgia	—	—	—	—	—	72.75	73.00	64.00
Pelagic whaling	86.00	69.70	70.43	73.06	75.33	74.01	75.86	78.28
Africa:—								
Natal	66.25	67.83	68.60	64.60	67.71	67.83	69.83	71.67
Cape Province.....	—	62.67	65.00	69.50	68.00	65.00	61.00	—
Brazil	—	—	—	—	68.00	—	—	—
North Atlantic and Arctic:								
Norway	—	—	59.00	—	71.00	—	—	—
Iceland	—	—	—	—	—	—	—	73.83
Faroe Islands	—	73.00	—	—	—	—	—	—
Nova Scotia	70.00	—	—	—	—	—	—	—
Pacific North:—								
California	—	75.75	72.00	72.17	66.50	65.50	67.00	70.20
British Columbia	—	69.00	64.00	71.63	72.93	—	—	71.54
Bering Sea	—	75.73	76.33	76.67	78.15	78.90	76.76	78.19
Kamtschatka.....	—	73.86	74.56	74.01	74.26	77.50	—	76.95
Kuril Islands.....	—	—	—	73.00	73.82	76.00	73.29	74.00
Japan	—	—	67.57	74.50	69.00	74.00	65.00	73.80
Chile	69.26	70.35	70.61	68.81	67.18	70.43	71.82	75.02
Australia.....	—	—	—	68.00	66.25	—	68.50	68.67
Fin-whales.								
Antarctic:—								
South Georgia	64.13	66.92	66.89	—	62.94	63.96	66.35	65.89
Pelagic whaling	65.75	65.48	66.79	66.16	66.49	66.79	66.61	66.30
Africa:—								
Natal	61.79	61.16	60.56	60.60	59.67	60.58	60.92	60.55
Cape Province.....	59.16	55.32	59.24	56.89	59.40	60.73	62.38	59.59
Brazil	—	—	—	63.50	61.10	65.50	64.43	—

Table h (cont.).

Species of whales and whaling grounds.	1966	1965	1964	1963	1962	1961	1960	1959
	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
North Atlantic and Arctic:								
Norway	62.04	60.97	61.26	58.43	60.16	59.27	59.88	60.46
Faroe Islands	60.33	60.80	60.85	62.33	57.00	—	—	—
Iceland	60.99	60.52	60.67	60.82	59.27	59.41	61.01	60.51
Newfoundland	59.03	60.50	55.00	—	—	—	53.00	56.79
Nova Scotia	56.11	57.54	56.39	—	—	—	—	—
Pacific North:—								
California	60.67	59.14	60.06	61.56	59.43	60.31	60.94	61.07
Oregon	—	53.00	—	59.40	54.00	—	—	—
British Columbia	58.14	55.90	57.35	58.05	56.90	—	—	58.15
Bering Sea	60.18	60.65	61.46	61.37	61.68	63.25	60.52	61.98
Kamtschatka	60.23	59.77	60.81	60.02	59.60	58.94	61.91	61.42
Kuril Islands	—	—	60.24	60.48	60.67	60.56	60.46	60.93
Japan	59.14	58.79	56.95	57.04	57.08	56.65	56.78	56.15
Chile	57.70	58.28	56.63	51.82	52.26	55.00	59.12	57.86
Australia	—	—	—	—	—	—	—	50.00
New Zealand	—	—	56.00	—	—	—	—	—
<u>Humpbacks.</u>								
Antarctic:—								
Pelagic whaling	43.00	—	40.00	41.56	41.37	41.38	40.93	39.95
Africa:—								
Natal	—	—	—	38.19	38.78	38.42	37.36	39.05
Cape Province	—	—	—	37.33	41.22	39.00	45.75	39.57
Gabon ¹⁾	—	—	—	—	—	—	—	39.88
Brazil	—	—	—	42.83	44.91	43.69	39.23	41.75
North Atlantic and Arctic:								
Faroe Islands	—	—	48.00	—	—	—	—	—
Newfoundland	—	35.00	—	—	—	—	—	—
Greenland	—	—	—	—	39.00	30.00	43.00	—
Pacific North:—								
California	—	39.75	41.44	40.16	42.03	40.15	41.33	39.99
Oregon	—	—	—	—	—	49.50	—	—
British Columbia	—	40.06	37.70	39.38	40.75	—	—	40.04
Bering Sea	—	41.08	—	42.20	42.29	44.78	—	—
Kamtschatka	—	39.92	40.51	40.34	40.74	41.32	41.37	40.86
Kuril Islands	—	—	—	36.60	37.50	38.79	45.67	38.00
Japan	—	41.67	37.00	38.67	47.00	41.00	36.00	41.75
Ryukyu Islands	—	—	—	—	38.63	40.12	39.50	40.24
Chile	42.00	38.00	—	36.00	37.00	—	—	—
Australia	—	—	—	38.16	38.30	38.85	40.37	40.45
New Zealand	—	—	—	40.33	39.06	40.46	40.09	40.36
<u>Sei-whales.</u>								
Antarctic:—								
South Georgia	53.00	49.82	49.81	—	48.63	49.27	49.53	49.75
Pelagic whaling	48.04	49.28	49.62	49.81	50.30	50.20	50.45	50.83
Africa:—								
Natal	43.31	43.96	43.91	43.95	43.44	44.36	44.03	44.13
Cape Province	44.09	42.05	44.26	44.09	45.75	48.87	47.11	45.72
Gabon ¹⁾	—	—	—	—	—	—	—	44.75

¹⁾ Earlier French Congo.

Table h (cont.).

Species of whales and whaling grounds.	1966	1965	1964	1963	1962	1961	1960	1959
	Engl. ft	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.	Engl. ft.
Brazil	49.25	49.75	49.90	49.07	49.31	49.05	49.61	50.29
North Atlantic and Arctic:								
Norway	46.00	—	—	—	40.00	38.83	39.50	46.25
Iceland	44.76	44.11	44.30	43.65	45.30	44.36	44.14	44.01
Newfoundland	—	49.00	49.00	—	—	44.00	—	43.00
Nova Scotia	46.63	—	—	—	—	—	—	—
Pacific North:—								
California	43.88	46.45	46.00	45.56	46.45	44.92	43.94	45.74
British Columbia	42.00	42.73	44.00	44.28	44.48	—	—	43.94
Bering Sea	45.52	45.84	45.72	46.07	46.88	49.50	46.90	49.00
Kamchatka	44.96	45.55	46.34	46.95	42.33	47.80	47.56	47.04
Kuril Islands	—	—	46.41	45.88	46.68	46.13	46.34	47.05
Japan	43.05	43.84	42.28	42.69	41.67	41.77	41.10	42.48
Chile	43.92	43.74	44.29	45.67	37.88	48.67	44.00	38.67
New Zealand	—	—	—	—	—	49.00	—	45.00
Australia	—	—	—	43.00	40.50	—	—	—
<u>Sperm-whales.</u>								
Antarctic:—								
South Georgia	46.40	48.35	48.67	—	46.65	46.87	47.58	46.47
Pelagic whaling	45.34	45.62	45.30	46.36	46.26	46.76	47.26	47.20
Africa:—								
Natal	38.26	37.08	37.79	38.26	38.29	37.88	38.96	38.57
Cape Province	36.78	36.28	37.51	37.28	37.03	37.98	39.05	37.64
Gabon ¹⁾	—	—	—	—	—	—	—	35.14
South Atlantic, pelagic ...	43.29	44.41	39.44	40.32	43.58	40.25	40.00	38.31
Brazil	38.08	40.85	37.75	38.18	40.56	42.54	38.28	40.00
North Atlantic and Arctic:								
Azores	40.80	42.13	39.96	39.86	—	39.55	—	37.16
Madeira	36.31	35.24	34.38	39.38	—	39.51	—	44.30
Norway	49.44	48.48	49.21	50.15	48.16	47.82	50.37	48.61
Faroe Islands	44.00	46.67	53.00	48.75	51.00	—	—	—
Iceland	50.88	51.36	51.21	50.92	51.06	50.36	51.15	50.85
Newfoundland	47.00	—	—	45.00	—	—	51.00	54.00
Nova Scotia	—	—	49.00	—	—	—	—	—
Pacific North:—								
California	39.70	40.19	39.05	41.34	40.18	39.34	43.38	42.59
Oregon	—	—	36.00	—	—	48.67	—	—
British Columbia	38.83	37.77	38.08	39.80	39.09	—	—	40.31
Bering Sea	43.80	46.09	45.59	44.67	46.31	45.25	46.06	45.72
Kamchatka	41.87	42.46	41.50	41.85	41.89	43.92	44.58	45.64
Kuril Islands	—	—	38.09	37.07	37.35	37.97	38.27	38.65
Japan	37.37	37.64	36.96	37.66	36.85	37.15	37.01	36.49
Ryukyu Islands	—	—	—	37.00	—	39.44	39.93	39.29
South Pacific Ocean, pel... ..	39.11	42.47	40.15	39.85	40.53	—	—	—
Indian Ocean, pel... ..	40.61	41.57	41.01	39.42	39.08	—	—	—
Peru	—	—	—	—	—	40.58	38.01	—
Chile	36.74	34.46	34.89	34.47	34.53	34.59	36.92	37.04
Australia	43.37	42.31	42.58	42.35	43.55	43.54	42.94	44.08
New Zealand	—	—	44.84	46.74	43.00	—	—	—

¹⁾ Earlier French Congo.

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

Grounds.	Years.	Species of whales caught.							Oil production.	Expeditions.			
		Blue.	Fin.	Hump-back.	Sel.	Sperm.	Others.	Total of whales		Shore stations.	Floating factories.	Catchers.	
<i>North Atlantic and Arctic. Total</i>	1954	11	486	7	116	168	—	788	25,507	7	—	—	18
	1955	13	550	1	158	142	—	864	27,753	6	—	—	13
	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	—	886	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	2	47	234	—	738	29,843	5	—	—	13
	1963	—	328	—	20	252	—	600	27,315	4	—	—	11
	1964	1	325	1	90	196	—	613	24,154	5	—	—	13
	1965	1	545	—	76	103	—	726	25,384	6	—	—	13
	1966	1	795	—	50	125	—	971	34,604	5	—	—	12
	<i>Norway.</i>	1954	2	270	6	20	94	—	392	13,582	4	—	—
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	—	221	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
1964		1	38	—	—	49	—	88	3,677	2	—	—	6
1965		—	106	—	—	27	—	133	4,885	2	—	—	4
1966		—	54	—	1	36	—	91	3,671	1	—	—	3
<i>Faroe Islands.</i>	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
	1964	—	13	1	—	5	—	19	607	1	—	—	1
	1965	1	10	—	—	6	—	17	559	1	—	—	1
1966	—	4	—	—	1	—	5	128	1	—	—	1	
<i>Iceland.</i>	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
	1960	—	160	—	42	177	—	379	17,536	1	—	—	4

(Cont. on next page.)

¹⁾ Barrel = 170 kg. (Barrel = abt. $\frac{1}{4}$ long ton).

Table i (cont.).

Grounds.	Years.	Species of whales caught.							Oil production.	Expeditions.			
		Blue.	Fin.	Hump-back.	Sel.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.	
<i>Iceland (cont.)</i>	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	
	1964	-	217	-	89	138	-	444	18,913	1	-	4	
	1965	-	288	-	74	70	-	432	17,273	1	-	4	
	1966	-	310	-	41	86	-	437	18,410	1	-	4	
<i>West Greenland.</i>	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	-	34	1,051	1	-	1	
	1960	-	-	1	-	-	-	1	-	-	-	1	
	1961	-	-	1	-	-	-	1	-	-	-	-	
	1962	-	-	2	-	-	-	2	-	-	-	-	
	1966	-	-	-	-	-	-	-	-	-	-	-	
<i>Nova Scotia.</i>	1964	-	56	-	-	4	-	60	957	1	-	2	
	1965	-	135	-	-	-	-	135	2,667	2	-	4	
	1966	1	263	-	8	-	-	272	8,068	1	-	3	
<i>Newfoundland and Labrador.</i>	1955	-	2	-	-	-	-	2 ¹⁾	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	-	-	-	-	
	1964	-	1	-	1	-	-	2	-	-	-	-	
	1965	-	6	1	2	-	-	9	-	-	-	-	
	1966	-	164	-	-	2	-	166	4,327	1	-	1	

¹⁾ Calculated.

Table j.—Azores.

Years	Species of whales caught.							Oil production.	Expeditions. ¹⁾		
	Blue.	Fin.	Hump-back	Sel.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
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	-	-	-
1964	-	-	-	-	478	-	478	13,819	-	-	-
1965	-	-	-	-	379	-	379	12,341	-	-	-
1966	-	-	-	-	297	-	297	8,976	-	-	-

¹⁾ 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. ¹⁾		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
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	²⁾ 1	87	3,147	-	-	-
1960	-	-	-	-	168	-	168	3,813	-	-	-
1961	-	-	4	-	129	-	133	3,365	-	-	-
1962	-	-	-	-	171	-	171	3,971	-	-	-
1963	-	-	-	-	186	-	186	3,990	-	-	-
1964	-	-	-	-	133	-	133	2,237	-	-	-
1965	-	-	-	-	151	-	151	3,111	-	-	-
1966	-	-	-	-	113	-	113	2,704	-	-	-

¹⁾ Several small shore stations. Whaling is carried on with rowing boats, and the whales are towed to shore by gasoline launches. ²⁾ 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.
1954	-	30	-	-	105	¹⁾ 82	217	3,392	2	-	5
1955	-	36	-	-	158	¹⁾ 98	292	5,250	2	-	6
1956	-	5	-	6	234	¹⁾ 28	273	4,481	3	-	5
1957	-	-	-	-	241	¹⁾ 60	301	6,247	3	-	5
1958	-	4	-	3	149	¹⁾ 25	181	4,310	3	-	5
1959	-	-	-	-	182	¹⁾ 55	237	5,260	3	-	5
1960	-	-	-	-	122	¹⁾ 75	197	5,263	2	-	3
1961	-	-	-	-	98	¹⁾ 94	192	²⁾ 5,123	2	-	3
1962	-	-	-	-	167	¹⁾ 31	198	4,440	2	-	3
1963	-	-	-	-	113	¹⁾ 13	126	2,963	2	-	3
1964	-	-	-	-	182	¹⁾ 37	219	6,010	2	-	3
1965	-	-	-	-	164	¹⁾ 116	280	9,527	2	-	3
1966	-	-	-	-	203	¹⁾ 80	283	²⁾ 8,472	3	-	3?

¹⁾ Baleen whales. No specification. ²⁾ Calculated.

Table m.—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	-	¹⁾ (2)	¹⁾ -
1956	-	-	-	3	121	-	124	3,818	-	¹⁾ (1)	¹⁾ -
1957	-	-	-	-	53	-	53	2,554	-	¹⁾ (2)	¹⁾ -
1958	-	-	-	-	16	-	16	415	-	¹⁾ (1)	¹⁾ -
1959	-	-	-	-	16	-	16	309	-	¹⁾ (3)	¹⁾ -
1960	-	-	-	-	34	-	34	989	-	¹⁾ (1)	¹⁾ -
1961	-	-	-	-	121	-	121	3,655	-	¹⁾ (5)	¹⁾ -
1962	-	-	-	-	358	-	358	13,324	-	¹⁾ (6)	¹⁾ -
1963	-	-	-	-	435	-	435	12,748	-	¹⁾ (7)	¹⁾ -
1964	-	-	-	-	442	-	442	7,850	-	¹⁾ (5)	¹⁾ -
1965	-	-	-	-	51	-	51	1,814	-	¹⁾ (4)	¹⁾ -
1966	-	-	-	-	334	-	334	10,701	-	¹⁾ (4)	¹⁾ -

¹⁾ The matériel is included in the Antarctic statistics.

Table n.—Africa.

Grounds.	Years.	Species of whales caught.							Oil production.	Expeditions.				
		Blue	Fin.	Hump-back.	Sel.	Sperm.	Others.	Total of whales.		Shore sta-tions.	Float-ing fac-tories.	Catch-ers		
<i>Africa. Total.</i>	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)	53	4,054	95,284	2	-	18	
	1964	6	301	-	955	2,841	1)	107	4,210	89,153	2	-	15	
	1965	9	380	-	1,223	3,606	1)	180	5,398	106,004	2	-	17	
	1966	4	231	-	690	3,119	1)	104	4,148	93,987	2	-	17	
	<i>Natal.</i>	1954	10	515	27	71	400		1,023	42,953	1	-	12	
1955		6	477	49	176	602		1,310	45,206	1	-	13		
1956		5	613	36	101	474		1,229	51,105	1	-	13		
1957		5	758	34	60	763		1,620	63,883	1	-	11		
1958		3	674	39	172	738		1,626	59,801	1	-	11		
1959		3	607	38	379	824		1,851	60,440	1	-	11		
1960		6	738	36	183	1,024		1,987	68,736	1	-	11		
1961		6	622	36	475	1,004		2,143	60,924	1	-	11		
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	
1964		5	272	-	282	2,113		-	2,672	61,760	1	-	10	
1965		6	361	-	459	2,814		-	3,640	78,656	1	-	12	
1966		4	199	-	273	2,435	1)	4	2,915	72,023	1	-	12	
<i>Cape Province.</i>		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	1)	50	1,523	26,136	1	-	6	
	1964	1	29	-	673	728	1)	107	1,538	27,393	1	-	5	
	1965	3	19	-	764	792	1)	180	1,758	27,348	1	-	5	
	1966	-	32	-	417	684	1)	100	1,233	21,964	1	-	5	
<i>Gabon</i> ²⁾	1959	-	-	160	4	14		178	8,280	1	-	2		
<i>Spanish Morocco.</i>	1954	5	12	-	7	41		65	983	1	-	2		

1) Bryde-whales. 2) Earlier French Congo.

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

Grounds.	Years.	Species of whales caught.							Oil production.	Expeditions.			
		Blue.	Fin.	Hump-back.	Sel.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.	
<i>Pacific North. Total.</i>	1954	11	150	106	134	226	—	627	17,507	1	—	6	
	1955	11	120	37	139	320	—	627	18,164	1	—	6	
	1956	14	171	161	37	136	—	519	18,488	2	—	8	
	1957	15	306	271	94	204	—	890	28,386	3	—	11	
	1958	34	682	445	41	120	—	1,322	34,948	6	—	15	
	1959	33	475	334	224	284	—	1,400	38,536	6	—	17	
	1960	1	138	234	48	30	—	451	12,586	5	—	14	
	1961	2	118	154	51	113	—	438	11,435	5	—	12	
	1962	29	281	79	362	232	—	983	23,590	7	—	18	
	1963	36	241	79	251	225	—	832	22,839	5	—	12	
	1964	14	288	37	625	169	1) 20	1,153	24,513	4	—	11	
	1965	13	197	22	626	248	—	1,106	22,066	4	—	11	
	1966	—	176	—	414	294	2) 54	938	18,855	3	—	10	
	<i>California.</i>	1956	—	3	133	—	9	—	145	5,760	1	—	2
1957		—	22	199	1	14	—	236	8,741	1	—	3	
1958		26	109	115	2	8	—	260	8,518	2	—	4	
1959		5	106	140	39	17	—	307	10,430	2	—	5	
1960		1	138	67	47	16	—	269	8,743	2	—	5	
1961		2	118	62	51	101	—	334	9,148	2	—	5	
1962		2	123	39	22	60	—	246	6,981	2	—	5	
1963		6	16	55	97	77	—	251	5,554	2	—	5	
1964		2	147	27	13	63	1) 20	272	8,331	2	—	5	
1965		4	113	4	22	97	—	240	7,038	2	—	5	
1966	—	42	—	60	65	2) 54	221	5,465	2	—	5		
<i>Oregon.</i>	1961	—	—	2	—	3	—	5	106	1	—	1	
	1962	—	1	—	—	—	—	1	6	1	—	1	
	1963	—	5	—	—	—	—	5	69	1	—	1	
	1964	—	—	—	—	1	—	1	12	1	—	1	
	1965	—	1	—	—	—	—	1	6	1	—	1	
<i>British Columbia.</i>	1954	11	150	106	134	226	—	627	17,507	1	—	6	
	1955	11	120	37	139	320	—	627	18,164	1	—	6	
	1956	14	168	28	37	127	—	374	12,728	1	—	6	
	1957	15	284	49	93	190	—	631	19,241	1	—	6	
	1958	8	573	40	39	112	—	772	22,173	1	—	6	
	1959	28	369	27	185	260	—	869	22,777	1	—	6	
	1962	27	157	16	340	172	—	712	16,151	1	—	6	
	1963	30	220	24	154	147	—	575	17,208	1	—	5	
	1964	12	141	10	612	105	—	880	16,170	1	—	5	
	1965	9	83	18	604	151	—	865	15,022	1	—	5	
1966	—	134	—	354	229	—	717	13,390	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		

1) Grey-whales. 2) 52 Grey-whales and 2 Bryde-whales.

Table p.—Japan.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1954	16	197	8	646	1,487	—	2,354	Barrels. 33,163	18	—	25
1955	30	354	9	488	1,506	—	2,387	34,421	19	—	25
1956	14	347	14	782	2,125	¹⁾ 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
1964	7	120	1	854	1,800	²⁾ 19	2,801	45,540	13	—	22
1965	—	71	3	466	1,800	—	2,340	44,917	8	—	17
1966	—	104	—	291	2,101	²⁾ 20	2,516	55,523	9	—	17

¹⁾ Right-whales. ²⁾ Bryde-whales.

Table q.—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.
1954	145	1,316	136	129	491	—	2,217	Barrels. 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	¹⁾ 3	3,338	151,059	—	2	15
1962	48	1,166	17	260	2,549	¹⁾ 3	4,043	184,249	—	3	21
1963	57	1,045	10	945	2,700	¹⁾ 3	4,760	194,654	—	3	21
1964	42	1,007	—	1,533	2,461	—	5,043	183,183	—	3	21
1965	49	1,406	40	1,398	2,460	—	5,353	200,406	—	3	25
1966	—	1,266	—	2,208	3,000	—	6,474	209,411	—	3	31

¹⁾ Right-whales.

Table r.—Kamtchatka.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1954	12	238	21	22	816	—	1,109	Barrels. 36,264	—	1	5
1955	4	79	8	28	996	—	1,115	38,248	—	1	5
1956	7	65	31	16	998	—	1,117	40,571	—	1	6
1957	9	81	50	36	1,174	—	1,350	49,282	—	1	7
1958	—	39	10	19	1,430	—	1,498	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	¹⁾ 15
1962	19	438	1,213	303	1,955	—	3,928	116,183	—	2	28
1963	347	1,060	2,242	514	5,125	—	9,288	287,555	—	4	²⁾ 46
1964	77	2,500	242	595	5,432	³⁾ 1	8,847	272,040	—	4	46
1965	72	1,492	243	695	8,196	—	10,698	339,061	—	4	49
1966	—	1,347	—	1,545	9,476	—	12,368	332,369	—	4	43

¹⁾ Incl. 4 catchers which also operated from Kuril Islands. ²⁾ Incl. 2 catchers which also operated from Kuril Islands. ³⁾ Right-whale.

Table s.—Kuril Islands.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
1954	23	266	8	126	1,192	—	1,615	49,394	5	—	13
1955	27	219	23	128	1,494 ¹⁾	10	1,901	43,979	5	—	13
1956	45	241	10	171	1,693	—	2,160	54,249	4	—	15
1957	44	173	2	108	1,821	—	2,148	52,415	4	—	14
1958	14	328	4	336	2,184	—	2,866	62,478	4	—	22
1959	19	223	5	131	1,878	—	2,256	52,143	3	—	19
1960	14	265	3	140	1,487	—	1,909	45,032	3	—	13
1961	15	156	19	52	1,401	—	1,643	34,535	3	—	15
1962	11	77	2	79	1,347	—	1,516	28,570	2	—	10
1963	1	90	5	16	659	—	771	16,269	2	—	5
1964	—	76	—	35	452	—	563	12,382	2	—	4

¹⁾ Southern right-whales.

Table t.—Brazil.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
1954	—	—	18	183	1	—	202	3,636	1	—	2
1955	—	—	9	200	1	¹⁾ 1	211	3,530	2	—	2
1956	—	1	14	196	3	²⁾ 3	217	3,596	2	—	3
1957	—	—	—	115	2	²⁾ 5	122	1,300	2	—	3
1958	—	1	5	118	4	—	128	2,524	1	—	2
1959	—	—	8	294	11	—	313	4,736	1	—	3
1960	—	21	13	750	29	—	813	10,800	2	—	5
1961	—	10	13	958	1 02	—	1,083	16,275	2	—	4
1962	1	49	11	610	85	—	756	13,446	2	—	3
1963	—	4	12	346	42	—	404	6,327	2	—	3
1964	—	—	—	256	4	—	260	³⁾ 3,667	1	—	1
1965	—	—	—	149	13	—	162	³⁾ 2,359	1	—	1
1966	—	—	—	72	24	—	96	³⁾ 1,327	1	—	1

¹⁾ Right-whales. ²⁾ No specification. ³⁾ Calculated.

Table u.—Peru.

Years.	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.	Oil production.	Shore stations.	Floating factories.	Catchers.
								Barrels.			
1954	8	30	1	2	4,134	—	4,175	104,168	3	—	19
1955	8	7	2	1	1,869	—	1,887	31,335	2	1	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
1964	1	6	35	1	2,023	—	2,066	40,745	3	—	10
1965	78	150	137	2	922	—	1,289	30,878	1	—	5
1966	109	343	51	—	862	—	1,365	27,411	1	—	4

Table v.—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.
1954	70	434	—	26	798	—	1,328	27,885	2	—	12
1955	150	359	5	32	746	¹⁾ 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	¹⁾ 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
1964	112	136	—	47	1,213	—	1,508	36,620	3	—	13
1965 ²⁾	371	265	6	439	267	—	1,348	40,100	2	—	10
1966	128	84	7	210	669	¹⁾ 1	1,099	28,091	2	—	11?

¹⁾ Right-whales. ²⁾ No information received from one company.

Table w.—South Pacific Ocean. (North of 40° South Lat.)¹⁾

1957	—	—	—	—	48	—	48	1,712	—	²⁾ (1)	²⁾ —
1962	—	—	—	—	164	—	164	4,053	—	²⁾ (1)	²⁾ —
1963	—	—	—	—	1,219	—	1,219	26,812	—	²⁾ (1)	²⁾ —
1964	—	—	—	—	1,779	—	1,779	37,671	—	²⁾ (2)	²⁾ —
1965	—	—	—	—	400	—	400	14,045	—	²⁾ (1)	²⁾ —
1966	—	—	—	—	160	—	160	4,842	—	²⁾ (1)	²⁾ —

¹⁾ Catch by fl. factories outside the Antarctic grounds. ²⁾ Incl. in the Antarctic statistics.

Table x.—Indian Ocean. (North of 40° South Lat.)¹⁾

1957	—	—	—	—	23	—	23	742	—	²⁾ (2)	²⁾ —
1962	—	—	—	—	371	—	371	7,801	—	²⁾ (6)	²⁾ —
1963	—	—	—	—	2,005	—	2,005	41,915	—	²⁾ (12)	²⁾ —
1964	—	—	—	—	2,095	—	2,095	52,048	—	²⁾ (8)	²⁾ —
1965	—	—	—	—	1,768	—	1,768	53,032	—	²⁾ (7)	²⁾ —
1966	—	—	—	—	1,440	³⁾ 3	1,443	40,288	—	²⁾ (6)	²⁾ —

¹⁾ Catch by fl. factories outside the Antarctic grounds. ²⁾ Incl. in the Antarctic statistics. ³⁾ Bryde-whale.

Table y.—Australia.

1954	1	—	2,038	—	—	—	2,039	100,515	5	—	9
1955	—	—	1,846	—	7	—	1,853	96,377	5	—	9
1956	—	1	1,989	—	61	—	2,051	104,607	5	—	11
1957	—	—	1,961	—	139	—	2,100	108,069	5	—	12
1958	2	—	1,807	—	283	¹⁾ 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	¹⁾ 2	1,937	85,542	5	—	12
1962	4	—	720	2	592	¹⁾ 2	1,320	55,053	5	—	13
1963	1	—	87	3	629	—	720	28,111	2	—	8
1964	—	—	—	—	710	—	710	30,108	1	—	3
1965	—	—	—	—	668	—	668	26,508	1	—	3
1966	—	—	—	—	606	—	606	25,051	1	—	3

¹⁾ Bryde-whales.

Table z.—New Zealand.

1954	—	—	180	—	—	—	180	8,820	1	—	3
1955	—	—	112	—	—	—	112	5,020	1	—	3
1956	—	—	143	14	2	—	159	6,325	2	—	4
1957	—	—	184	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
1964	—	1	—	—	134	—	139	5,713	1	—	1

Table z.¹—Production of by-products in the Antarctic and on other whaling grounds 1959/60—1965/66.

Year Grounds	By-products		Whale liver	Liver- oil, vitamin oil	Liver- meal	Whale meat, blubber for food, ventral grooves	Whale solubles	Other by- products
	Whale meat-meal, bone-meal, grax-meal, guano,							
	Long tons	L. tons	L. tons	L. tons	L. tons	L. tons	L. tons	L. tons
1959-60..... Total	84,511	1,910	254	—	—	143,434	6,212	31,309
1960-61..... "	86,227	2,409	251	—	—	163,695	7,848	39,875
1961-62..... "	79,949	3,009	229	—	—	229,001	6,982	48,627
1962-63..... "	74,905	2,353	205	—	—	203,142	16,154	38,395
1963-64..... "	70,384	2,924	203	—	—	222,616	6,502	36,416
<i>1964-65.</i>								
Antarctic.....	33,678	3,212	¹⁾ 12	—	—	171,662	—	26,665
Africa:—Natal....	5,993	—	²⁾ —	—	—	—	4,245	546
Cape Province...	3,270	—	—	—	—	987	—	221
Brazil:—	625	—	—	—	—	851	—	—
North Atl. and Arctic								
Azores.....	237	—	—	—	—	—	—	—
Madeira.....	136	—	—	—	—	—	—	—
Spain.....	608	—	—	—	—	1,090	—	—
Norway.....	238	1	—	—	—	1,175	—	—
Iceland.....	1,979	—	—	—	—	2,880	—	—
Faroe Islands...	—	—	—	—	—	100	—	—
Nova Scotia....	—	—	—	—	—	1,164	—	—
Newfoundland...	—	—	—	—	—	106	—	—
Pacific North:—								
California.....	1,240	—	—	—	—	1,330	—	—
Oregon.....	2	—	—	—	—	7	—	—
British Columbia.	2,617	71	—	—	—	3,277	—	—
Kamtchatka.....	15,661	607	³⁾ —	—	—	8,639	—	269
Bering Sea.....	996	—	106	—	—	26,361	—	8,811
Japan.....	3,698	—	—	—	—	8,127	—	1,376
Peru.....	2,074	—	—	—	—	—	—	—
Chile.....	1,218	—	—	—	—	9,062	545	391
Australia.....	1,064	—	—	—	—	—	1,213	—
Total	75,334	3,891	118	—	—	236,818	6,003	38,279
<i>1965-66.</i>								
Antarctic.....	18,758	2,324	⁴⁾ —	—	—	136,499	—	18,452
Africa:—Natal....	4,692	—	—	—	—	18	5,247	529
Cape Province...	2,700	—	—	—	—	578	—	174
Brazil:—	—	—	—	—	—	1,097	—	—
North Atl. and Arctic								
Azores.....	271	—	—	—	—	—	—	—
Madeira.....	156	—	—	—	—	50	—	—
Spain ⁶⁾	—	—	—	—	—	—	—	—
Norway.....	101	—	—	—	—	736	—	—
Iceland.....	2,238	—	—	—	—	2,775	—	83
Faroe Islands....	—	—	—	—	—	45	—	—
Nova Scotia....	—	50	—	—	—	2,500	—	—
Newfoundland...	—	—	—	—	—	1,508	—	—
Pacific North:—								
California.....	976	—	—	—	—	994	—	—
British Columbia.	2,142	81	—	—	—	3,123	—	—
Kamtchatka.....	12,947	265	⁵⁾ 239	—	—	4,021	—	159
Bering Sea.....	520	—	66	—	—	36,489	—	10,249
Japan.....	4,915	—	—	—	—	8,256	—	631
Peru.....	2,217	—	—	—	—	—	—	—
Chile.....	858	—	—	—	—	4,015	—	316
Australia.....	991	—	—	—	—	—	1,845	—
Total	54,482	2,720	305	—	—	202,704	7,092	30,593

¹⁾ 9,220,000 mill. units liver oil, vitamin oil (Vitamin A) were produced. Further were produced of Vitamin A: ²⁾ 1,006,176 mill. units. ³⁾ 16,233,000 mill. units. ⁴⁾ 8,650,000 mill. units. ⁵⁾ 9,561,000 mill. units. ⁶⁾ No information received.

**Table Z².—Catch of small whales in the years 1961/62—1965/66,
by species and whaling grounds.**

Years ¹⁾ Grounds	Species of whales caught						
	Minke- whales	Bottle- noses	Pilot- whales	Killer- whales	White- whales	Baird's beaked whales	Others or unspecified whales
<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	—
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
<i>1963—64.</i>							
South Africa	1	—	—	—	—	—	—
Norway	2,732	307	54	77	—	—	—
Faroe Islands	—	3	1,386	—	—	—	—
Greenland ²⁾	—	—	164	—	317	—	1,371
Newfoundland	35	—	2,849	—	—	—	—
Hudson Bay	—	—	—	—	460	—	—
Northwest Territories ..	—	—	—	—	853	—	—
Nova Scotia	19	14	—	2	—	—	—
California	—	—	—	—	—	1	—
Japan	301	—	217	99	—	189	434
U.S.S.R.	1	—	—	3	—	1	—
Brazil	44	—	—	—	—	—	—
Antarctic	101	—	—	10	—	—	—
Total	3,234	324	4,670	191	1,630	191	1,805
<i>1964—65.</i>							
South Africa	2	—	—	—	—	—	—
Norway	2,467	692	32	104	—	—	—
Faroe Islands	—	—	1,599	—	—	—	177
Greenland	—	—	194	1	481	—	1,365
Newfoundland	29	—	1,520	—	—	—	—
Hudson Bay	—	—	—	—	354	—	—
Northwest Territories ..	—	—	—	—	285	—	—
Nova Scotia	12	6	—	—	—	—	—
California	—	—	—	—	—	2	—
Japan	334	—	288	169	—	172	71
Brazil	67	—	—	—	—	—	—
Antarctic	6	2	—	1	—	—	—
Total	2,917	700	3,633	275	1,120	174	1,613

¹⁾ 1961—62 = Antarctic season 1961—62 and summer 1962, a. s. o. ²⁾ From April 1964 incl.

Table Z² (cont.).

Years Grounds	Species of whales caught						
	Minke- whales	Bottle- noses	Pilot- whales	Killer- whales	White- whales	Baird's beaked whales	Others or unspecified whales
<i>1965—66.</i>							
South Africa	5	—	—	—	—	—	—
Norway	2,153	340	339	161	—	—	—
Faroe Islands	19	—	1,488	2	—	—	6
Greenland ¹⁾	—	—	2	—	138	—	35
Newfoundland	28	—	887	—	—	—	—
Hudson Bay	—	—	—	—	482	—	—
British Columbia	—	—	—	—	—	2	—
California	—	—	—	1	—	1	—
Japan	365	—	199	137	—	171	220
Peru	—	—	—	1	—	—	—
Brazil	352	—	—	—	—	—	—
Antarctic	10	1	—	9	—	—	—
Total	2,932	341	2,915	311	620	174	261

¹⁾ Up to March 1966 incl.Table Z³.—Catch of Minke-whales (*Balaenoptera Acutorostrata*) 1962—1966, by months and whaling grounds.

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Des.	
Norway:—														
Total	1962	—	—	31	129	657	1,376	348	659	86	—	—	—	3,286
	1963	—	—	14	161	835	1,273	328	557	65	—	—	—	3,233
	1964	—	—	12	101	646	937	354	624	58	—	—	—	2,732
	1965	—	—	3	73	497	1,055	293	491	55	—	—	—	2,467
	1966	—	—	2	83	535	915	166	421	31	—	—	—	2,153
Of which:														
Coastal districts ¹⁾	1962	—	—	—	—	—	—	—	—	—	—	—	—	1,501
	1963	—	—	—	—	—	—	—	—	—	—	—	—	1,620
	1964	—	—	—	—	—	—	—	—	—	—	—	—	1,795
	1965	—	—	—	—	—	—	—	—	—	—	—	—	1,221
	1966	—	—	—	—	—	—	—	—	—	—	—	—	847
Barents Sea, Spitzbergen and Bear Island ²⁾	1962	—	—	—	—	—	—	—	—	—	—	—	—	1,248
	1963	—	—	—	—	—	—	—	—	—	—	—	—	1,168
	1964	—	—	—	—	—	—	—	—	—	—	—	—	357
	1965	—	—	—	—	—	—	—	—	—	—	—	—	720
	1966	—	—	—	—	—	—	—	—	—	—	—	—	873
Shetland ¹⁾	1962	—	—	—	—	—	—	—	—	—	—	—	—	537
	1963	—	—	—	—	—	—	—	—	—	—	—	—	445
	1964	—	—	—	—	—	—	—	—	—	—	—	—	580
	1965	—	—	—	—	—	—	—	—	—	—	—	—	526
	1966	—	—	—	—	—	—	—	—	—	—	—	—	433
Antarctic	1964/65	—	—	—	—	—	—	—	—	—	—	—	—	1
	1965/66	—	—	—	—	—	—	—	—	—	—	—	—	2
Denmark:—														
Greenland	1962	—	—	—	2	6	4	6	8	17	11	3	1	58
Faroe Islands....	1966	—	—	—	—	—	—	—	—	—	—	—	—	19
Canada:—														
Newfoundland ..	1962	—	—	—	—	—	—	—	—	—	—	—	—	45
	1963	—	—	—	—	—	—	—	—	—	—	—	—	18
	1964	—	—	—	—	5	19	10	1	—	—	—	—	35
	1965	—	—	—	—	3	11	10	4	1	—	—	—	29
	1966	—	—	—	—	3	13	5	7	—	—	—	—	28

¹⁾ Catching period permitted: March 15 th—June 30 th and July 22 th—September 14 th, both days included.²⁾ Catching period permitted: March 15 th—June 30 th, both days included.

Table Z³ (cont.).

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Nova Scotia ..	1962	-	-	-	-	-	-	-	-	-	-	-	-	5
	1964	-	-	-	-	-	8	2	9	-	-	-	-	19
	1965	-	-	-	-	-	1	9	2	-	-	-	-	12
Japan:— Coastal districts	1962	-	-	6	53	85	56	31	1	3	3	-	-	238
	1963	-	-	6	35	46	43	44	34	11	1	-	-	220
	1964	1	-	6	75	68	77	50	20	4	-	-	-	301
	1965	5	2	1	63	99	92	45	26	1	-	-	-	334
	1966	4	2	14	69	111	50	96	16	1	2	-	-	365
Antarctic	1963/64	-	-	-	-	-	-	-	-	-	-	-	-	96
	1964/65	-	-	-	-	-	-	-	-	-	-	-	-	2
Brazil	1963	-	-	-	-	-	-	-	-	1	1	-	-	2
	1964	-	-	-	-	-	-	-	4	5	35	-	-	44
	1965	-	-	-	-	-	1	5	10	28	23	-	-	67
	1966	-	-	-	-	-	1	25	29	89	131	77	-	352
Africa:— Cape Province.	1963	-	-	-	-	-	-	-	-	1	-	-	-	1
	1965	-	-	-	-	-	-	-	-	-	2	-	-	2
	1966	-	-	-	-	-	-	1	1	1	2	-	-	5
Natal	1964	-	-	-	-	-	-	-	1	-	-	-	-	1
U.S.S.R.:— Kuril Islands .. Kamchatka... Antarctic	1962	-	-	-	-	-	1	-	-	-	-	-	-	1
	1964	-	-	-	-	1	-	-	-	-	-	-	-	1
	1961/62	-	-	-	-	-	-	-	-	-	-	-	-	2
	1962/63	-	-	-	-	-	-	-	-	-	-	-	-	21
	1963/64	-	-	-	-	-	-	-	-	-	-	-	-	5
	1964/65	-	-	-	-	-	-	-	-	-	-	-	-	4
1965/66	-	-	-	-	-	-	-	-	-	-	-	-	8	

Table Z⁴.—Catch of Bottlenoses (*Hyperoodon Rostrata*) 1962—1966, by months and whaling grounds.

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Norway:— Total	1962	-	-	-	-	124	91	90	15	1	-	-	-	321
	1963	-	-	-	25	79	128	31	1	3	-	-	-	267
	1964	-	-	-	31	110	116	45	1	4	-	-	-	307
	1965	-	-	-	61	345	242	37	7	-	-	-	-	692
	1966	-	-	-	130	76	134	-	-	-	-	-	-	340
Of which: Coastal districts ¹⁾ ..	1962	-	-	-	-	-	-	-	-	-	-	-	-	5
	1963	-	-	-	-	-	-	-	-	-	-	-	-	36
	1964	-	-	-	-	-	-	-	-	-	-	-	-	14
	1965	-	-	-	-	-	-	-	-	-	-	-	-	3
	1966	-	-	-	-	-	-	-	-	-	-	-	-	5
Barents Sea, Spitzbergen and Bear Island ²⁾	1962	-	-	-	-	-	-	-	-	-	-	-	-	131
	1963	-	-	-	-	-	-	-	-	-	-	-	-	83
	1964	-	-	-	-	-	-	-	-	-	-	-	-	64
	1965	-	-	-	-	-	-	-	-	-	-	-	-	3
1966	-	-	-	-	-	-	-	-	-	-	-	-	4	
Shetland ¹⁾	1962	-	-	-	-	-	-	-	-	-	-	-	-	185
	1963	-	-	-	-	-	-	-	-	-	-	-	-	148
	1964	-	-	-	-	-	-	-	-	-	-	-	-	229
	1965	-	-	-	-	-	-	-	-	-	-	-	-	686
1966	-	-	-	-	-	-	-	-	-	-	-	-	331	

^{1), 2)} See notes 1 and 2, page 32.

Table Z⁴ (cont.).

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Denmark:—														
Faroe Islands	1963	-	-	-	-	-	-	-	-	3	-	-	-	3
	1964	-	-	-	-	-	-	-	-	3	-	-	-	3
Canada:—														
Nova Scotia	1962	-	-	-	-	-	-	-	-	-	-	-	-	40
	1963	-	-	-	-	-	-	-	-	-	-	-	-	22
	1964	-	-	-	-	-	10	1	-	2	1	-	-	14
	1965	-	-	-	-	-	4	2	-	-	-	-	-	6
U.S.S.R.:—														
Kuril Islands	1962	-	-	-	-	-	1	1	-	-	-	-	-	2
Antarctic	1962/63	-	-	-	-	-	-	-	-	-	-	-	-	2
	1964/65	-	-	-	-	-	-	-	-	-	-	-	-	1
	1965/66	-	-	-	-	-	-	-	-	-	-	-	-	1

Table Z⁵.—Catch of Pilot-whales (*Globicephala Melaena*) 1962—1966, by months and whaling grounds.

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Norway:—														
Total	1962	-	-	-	-	3	-	2	38	-	-	-	-	43
	1963	-	-	-	-	7	10	-	54	-	-	-	-	71
	1964	-	-	-	-	3	-	16	35	-	-	-	-	54
	1965	-	-	-	-	-	-	2	25	5	-	-	-	32
	1966	-	-	-	-	2	-	16	321	-	-	-	-	339
Of which:														
Coastal districts ¹⁾	1962	-	-	-	-	-	-	-	-	-	-	-	-	21
	1963	-	-	-	-	-	-	-	-	-	-	-	-	23
	1964	-	-	-	-	-	-	-	-	-	-	-	-	4
	1965	-	-	-	-	-	-	-	-	-	-	-	-	32
	1966	-	-	-	-	-	-	-	-	-	-	-	-	10
Shetland ¹⁾	1962	-	-	-	-	-	-	-	-	-	-	-	-	22
	1963	-	-	-	-	-	-	-	-	-	-	-	-	48
	1964	-	-	-	-	-	-	-	-	-	-	-	-	50
	1965	-	-	-	-	-	-	-	-	-	-	-	-	-
	1966	-	-	-	-	-	-	-	-	-	-	-	-	329
Denmark:—														
Faroe Islands	1962	-	-	-	-	244	140	460	371	228	36	122	152	1,753
	1963	176	250	-	-	-	-	-	799	667	70	55	177	2,194
	1964	267	-	-	-	-	-	-	507	612	-	-	-	1,386
	1965	-	-	-	-	-	-	416	1,080	-	-	-	103	1,599
	1966	-	-	-	-	134	319	748	129	74	-	74	-	1,478
Greenland	1964	-	-	-	9	11	29	26	33	18	26	9	3	164
	1965	-	-	2	20	16	30	22	24	33	32	14	1	194
	1966	-	-	2	-	-	-	-	-	-	-	-	-	²⁾
Canada:—														
Newfoundland	1962	-	-	-	-	-	-	-	-	-	-	-	-	150
	1963	-	-	-	-	-	-	-	-	-	-	-	-	221
	1964	-	-	-	-	-	-	161	2,188	500	-	-	-	2,849
	1965	-	-	-	-	-	-	198	811	427	32	52	-	1,520
	1966	-	-	-	-	-	-	174	98	515	100	-	-	887
Nova Scotia	1962	-	-	-	-	-	-	-	-	-	-	-	-	70

¹⁾ See note 1 page 32. ²⁾ Data from and incl. April not available.

Table Z⁵ (cont.).

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Japan:—														
Coastal districts	1962	—	2	2	2	6	1	—	—	16	22	28	1	80
	1963	—	9	1	15	5	28	30	30	9	29	43	29	228
	1964	12	5	—	7	25	25	20	12	14	38	30	29	217
	1965	10	12	13	1	16	35	23	15	29	37	50	47	288
	1966	7	4	1	6	20	18	10	3	33	56	20	21	199

Table Z⁶.—Catch of Killer-whales (*Orcinus orca*) 1962—1966, by months and whaling grounds.

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Norway:—														
Total	1962	—	3	23	9	16	11	15	38	9	—	—	—	124
	1963	—	—	10	7	29	20	4	18	2	—	—	—	90
	1964	—	—	—	10	23	3	5	20	16	—	—	—	77
	1965	—	—	—	15	17	9	24	38	1	—	—	—	104
	1966	—	—	—	22	53	24	14	48	—	—	—	—	161
Of which:														
Coastal districts ¹⁾ ...	1962	—	—	—	—	—	—	—	—	—	—	—	—	46
	1963	—	—	—	—	—	—	—	—	—	—	—	—	47
	1964	—	—	—	—	—	—	—	—	—	—	—	—	25
	1965	—	—	—	—	—	—	—	—	—	—	—	—	26
	1966	—	—	—	—	—	—	—	—	—	—	—	—	62
Barents Sea, Spitzbergen and Bear Island ²⁾	1962	—	—	—	—	—	—	—	—	—	—	—	—	11
	1963	—	—	—	—	—	—	—	—	—	—	—	—	15
	1964	—	—	—	—	—	—	—	—	—	—	—	—	5
	1965	—	—	—	—	—	—	—	—	—	—	—	—	6
	1966	—	—	—	—	—	—	—	—	—	—	—	—	5
Shetland ¹⁾	1962	—	—	—	—	—	—	—	—	—	—	—	—	67
	1963	—	—	—	—	—	—	—	—	—	—	—	—	28
	1964	—	—	—	—	—	—	—	—	—	—	—	—	47
	1965	—	—	—	—	—	—	—	—	—	—	—	—	72
	1966	—	—	—	—	—	—	—	—	—	—	—	—	94
Antarctic	1965/66	—	—	—	—	—	—	—	—	—	—	—	—	2
Denmark:—														
Faroe Islands	1966	—	—	—	—	—	—	—	—	—	—	—	—	2
Greenland	1965	—	—	—	—	—	—	1	—	—	—	—	—	1
Canada:—														
Nova Scotia	1964	—	—	—	—	1	1	—	—	—	—	—	—	2
Japan:														
Coastal districts ..	1962	—	5	2	5	—	4	5	5	13	8	—	—	47
	1963	—	3	2	5	2	2	3	—	1	1	12	12	43
	1964	3	2	3	—	1	6	11	4	11	19	23	16	99
	1965	—	4	2	3	2	10	6	17	14	29	42	40	169
	1966	10	2	6	—	4	5	6	6	14	20	30	34	137

1), 2) See notes 1 and 2, page 32.

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

Table Z⁶ (cont.).

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
U.S.A.:— California	1963	—	—	—	—	—	1	—	—	—	—	—	—	1
	1966	—	—	—	—	—	—	—	—	1	—	—	—	1
Peru	1966	—	—	—	—	—	—	—	—	—	—	—	—	1
U.S.S.R.:— Kamchatka	1963	—	—	—	—	—	—	—	6	10	—	—	—	16
	1964	—	—	—	2	1	—	—	—	—	—	—	—	3
Kuril Islands	1962	—	—	—	—	—	3	—	1	3	—	—	—	7
	1963	—	—	—	—	—	3	—	1	—	—	—	—	4
Antarctic	1961-62	—	—	—	—	—	—	—	—	—	—	—	—	—
	1962-63	—	—	—	—	—	—	—	—	—	—	—	—	1
	1963-64	—	—	—	—	—	—	—	—	—	—	—	—	10
	1964-65	—	—	—	—	—	—	—	—	—	—	—	—	1
	1965-66	—	—	—	—	—	—	—	—	—	—	—	—	7

Table Z⁷.—Catch of White-whales, (*Delphinapterus leucas*) 1962—1966, by months and whaling grounds.

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Canada:— Hudson Bay	1962	—	—	—	—	—	—	—	—	—	—	—	—	174
	1963	—	—	—	—	—	—	—	—	—	—	—	—	160
	1964	—	—	—	—	—	—	—	—	—	—	—	—	460
	1965	—	—	—	—	—	—	—	—	—	—	—	—	354
	1966	—	—	—	—	—	—	—	—	—	—	—	—	482
Northwest Territories	1962	—	—	—	—	—	—	—	—	—	—	—	—	97
	1963	—	—	—	—	—	—	—	—	—	—	—	—	189
	1964	—	—	—	—	—	—	—	—	—	—	—	—	853
	1965	—	—	—	—	—	—	—	—	—	—	—	—	285
Greenland:—	1962	—	—	7	3	—	—	—	—	—	—	—	—	10
	1964	—	—	—	82	86	5	1	—	—	2	6	2 ¹⁾	317
	1965	24	40	38	58	98	23	2	1	1	12	23	11 ²⁾	481
	1966	40	34	64	—	—	—	—	—	—	—	—	—	138

¹⁾ Incl. 133 White-whales, without specification for months. ²⁾ Incl. 150 White-whales, without specification for months.

Table Z⁸.—Catch of Baird's beaked whales (*Berardius bairdii*) 1962—1966, 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	1962	—	—	—	—	—	—	—	—	—	—	—	—	—
	1963	—	—	—	—	1	—	1	—	—	—	—	—	2
	1964	—	—	—	—	—	—	—	—	1	—	—	—	1
	1965	—	—	—	—	—	—	—	—	—	—	2	—	2
	1966	—	—	—	—	—	—	—	1	—	—	—	—	1

Table Z⁸ (cont.).

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Canada:—														
British Columbia ...	1962	—	—	—	—	—	—	—	1	—	—	—	—	1
	1963	—	—	—	—	1	—	—	2	—	—	—	—	3
	1966	—	—	—	—	—	—	—	1	1	—	—	—	2
Japan:—														
Coastal districts ...	1962	—	—	—	—	4	8	38	50	20	15	9	1	145
	1963	—	—	—	—	4	11	13	41	39	31	17	4	160
	1964	—	1	—	—	3	8	29	50	44	39	11	4	189
	1965	—	—	—	—	1	7	21	33	57	30	19	4	172
	1966	—	—	—	—	3	13	23	51	43	19	15	4	171
U.S.S.R.:—														
Kamchatka	1963	—	—	—	1	—	—	—	—	2	—	—	—	3
Kuril Islands	1963	—	—	—	—	—	1	—	1	—	—	—	—	2
	1964	—	—	—	—	1	—	—	—	—	—	—	—	1
Antarctic	1962	—	—	—	1	—	—	—	—	—	—	—	—	1

Table Z⁹.—Catch of others or unspecified small whales 1962—1966, by months and whaling grounds.

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Denmark:—														
Faroe Islands	1965	—	—	—	—	—	—	—	177	—	—	—	—	177
	1966	2	—	—	—	—	—	—	2	2	—	—	—	6
Greenland	1964	—	—	—	9	38	75	88	227	211	206	77	9 ¹⁾	1,371
	1965	2	3	11	16	86	96	316	173	180	111	47	24 ²⁾	1,365 ³⁾
	1966	9	20	6	—	—	—	—	—	—	—	—	—	—
Japan:—														
Coastal districts ...	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
	1964	93	94	75	33	32	14	8	4	5	7	28	41	434
	1965	4	4	7	1	3	—	2	11	10	5	16	8	71
	1966	9	55	25	52	29	5	2	2	3	18	6	14	220

¹⁾ Incl. 431 whales, without specification for months. ²⁾ Incl. 300 whales, without specification for months.

³⁾ Data from and incl. April not available.

TABLES

Antarctic season 1965/66 and summer season 1966.

Table No. 1.—Whaling in 1965/66 and summer 1966.

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:—								Barrels ⁷⁾			
South Georgia...	—	218	—	4	17	—	239	9,964	1	—	} 128
Antarctic, pelagic whaling	1	2,318	1	17,583	4,538	—	24,441	634,299	—	10	
Africa:—											
Natal	4	199	—	273	2,435	¹⁾ 4	2,915	72,023	1	—	12
Cape Province ...	—	32	—	417	684	¹⁾ 100	1,233	21,964	1	—	5
Brazil:—											
Paraiba	—	—	—	72	24	—	96	³⁾ 1,327	1	—	1
North Atlantic and Arctic:—											
Azores	—	—	—	—	297	—	297	8,976	—	—	—
Madeira	—	—	—	—	113	—	113	2,704	—	—	—
Spain	—	—	—	—	203	²⁾ 80	283	³⁾ 8,472	3	—	(?)3
Norway	—	54	—	1	36	—	91	3,671	1	—	3
Faroe Islands ...	—	4	—	—	1	—	5	128	1	—	1
Iceland	—	310	—	41	86	—	437	18,410	1	—	4
Newfoundland ..	—	164	—	—	2	—	166	4,327	1	—	1
Nova Scotia.....	1	263	—	8	—	—	272	8,068	1	—	3
Pacific North:—											
California	—	42	—	60	65	⁴⁾ 54	221	5,465	2	—	5
British Columbia.	—	134	—	354	229	—	717	13,390	1	—	5
N. Pacific Ocean and Bering Sea, pelagic.....	—	1,266	—	2,208	3,000	—	6,474	209,411	—	3	31
Kamtchatka, pel.	—	1,347	—	1,545	9,476	—	12,368	332,369	—	4	43
Japan	—	104	—	291	2,101	¹⁾ 20	2,516	55,523	9	—	17
Peru	109	343	51	—	862	—	1,365	27,411	1	—	4
Chile ³⁾	128	84	7	210	669	⁵⁾ 1	1,099	28,091	2	—	11
Australia	—	—	—	—	606	—	606	25,051	1	—	3
South Atlantic Ocean, pelagic ⁶⁾ ..	—	—	—	—	334	—	334	10,701	—	—	—
Indian Ocean, pelagic ⁶⁾	—	—	—	—	1,440	¹⁾ 3	1,443	40,317	—	—	—
South Pacific Ocean, pelagic ⁶⁾	—	—	—	—	160	—	160	4,842	—	—	—
Total	243	6,882	59	23,067	27,378	262	57,891	1,546,904	28	17	280

¹⁾ Bryde-whales. ²⁾ Baleen whales, not specified. ³⁾ Calculated. ⁴⁾ 52 Grey-whales and 2 Bryde-whales. ⁵⁾ Right-whale.⁶⁾ Catch by floating factories on voyage to and from the Antarctic whaling grounds (catch north of 40° South Latitude).⁷⁾ Barrel = 170 kg. (Barrel = abt. $\frac{1}{6}$ long ton, 1 long ton = 1,016 kg.)

Table No. 2.—Norwegian whaling in 1965/66 and summer 1966.

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 ²⁾			
Antarctic, pelagic whaling.....	1	435	1	3,662	652	—	4,751	126,696	—	2	21
S. Atlantic Ocean, pelagic whaling ¹⁾	—	—	—	—	55	—	55	2,220	—	—	—
Norway	—	54	—	1	36	—	91	3,671	1	—	3
Total	1	489	1	3,663	743	—	4,897	132,587	1	2	24

¹⁾ Catch by floating factories on voyage to and from the Antarctic whaling grounds. (Catch north of 40° South Latitude.) ²⁾ Barrel = 170 kg. (Barrel = abt. $\frac{1}{6}$ long ton, 1 long ton = 1,016 kg.)

Table No. 3.—Whaling of Japan in 1965/66 and summer 1966.

Geographical areas.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels			
South Georgia	—	218	—	4	17	—	239	9,964	1	—	} 52
Antarctic, pelagic whaling	—	910	—	11,310	264	—	12,484	246,644	—	5	
Indian Ocean, pel. ¹⁾	—	—	—	—	143	—	143	4,112	—	—	—
N. Pacific Ocean and Bering Sea, pelagic	—	1,266	—	2,208	3,000	—	6,474	209,411	—	3	31
Japan	—	104	—	291	2,101	²⁾ 20	2,516	55,523	9	—	17
Total	—	2,498	—	13,813	5,525	20	21,856	525,654	10	8	100

¹⁾ Catch by floating factories on voyage to and from the Antarctic whaling grounds. (Catch north of 40° South Latitude.) ²⁾ Bryde- whales.

Table No. 4.—Whaling of U.S.S.R. in 1965/66 and summer 1966.

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.			
Antarctic, pelagic whaling	—	973	—	2,611	3,622	—	7,206	260,959	—	3	55
South Atlantic Ocean, pelagic ¹⁾	—	—	—	—	279	—	279	8,481	—	—	—
Indian Ocean, pel. ¹⁾	—	—	—	—	1,297	3	1,300	36,205	—	—	—
South Pacific Ocean, pelagic ¹⁾	—	—	—	—	160	—	160	4,842	—	—	—
Kamchatka, pelagic	—	1,347	—	1,545	9,476	—	12,368	332,369	—	4	43
Total	—	2,320	—	4,156	14,834	3	21,313	642,856	—	7	98

¹⁾ Catch by floating factories on voyage to and from the Antarctic whaling grounds. (Catch north of 40° South Latitude.)

Table No. 5.—Whaling results for the various countries in 1965/66 and summer 1966.

Countries.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels			
U.S.S.R.	—	2,320	—	4,156	14,834	¹⁾ 3	21,313	642,856	—	7	98
Japan	—	2,498	—	13,813	5,525	¹⁾ 20	21,856	525,654	10	8	100
Norway	1	489	1	3,663	743	—	4,897	132,587	1	2	24
South Africa	4	231	—	690	3,119	¹⁾ 104	4,148	93,987	2	—	17
Chile	128	84	7	210	669	²⁾ 1	1,099	28,091	2	—	11
Peru	109	343	51	—	862	—	1,365	27,411	1	—	4
Canada	1	561	—	362	231	—	1,155	25,785	3	—	9
Australia.....	—	—	—	—	606	—	606	25,051	1	—	3
Iceland	—	310	—	41	86	—	437	18,410	1	—	4
Portugal.....	—	—	—	—	410	—	410	11,680	—	—	—
Spain.....	—	—	—	—	203	³⁾ 80	283	8,472	3	—	(?)3
U.S.A.	—	42	—	60	65	⁵⁾ 54	221	5,465	2	—	5
Brazil	—	—	—	72	24	—	96	1,327	1	—	1
Denmark	—	4	—	—	1	—	5	128	1	—	1
Total	243	6,882	59	23,067	27,378	262	57,891	1,546,904	28	17	280

¹⁾ Bryde-whales. ²⁾ Right-whale. ³⁾ Baleen whales, not specified. ⁴⁾ Calculated. ⁵⁾ 52 Grey-whales and 2 Bryde-whales.

Table No. 6.—Average size of whales caught in the summer season 1966.

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
A. Blue-whales.				
<i>Africa:—</i>				
Natal	—	66.50	66.00	66.25
Males 2 } Total 4.				
Females 2 }				
<i>North Atlantic and Arctic:—</i>				
Nova Scotia	—	70.00	—	70.00
Males 1.				
<i>Chile</i>	No. 1	67.87	70.24	69.26
Males 52 } Total 126.	” 2 ¹⁾			
Females 74 }				
B. Fin-whales.				
<i>Africa:—</i>				
Natal	—	61.26	62.43	61.79
Males 109 } Total 199.				
Females 90 }				
Cape Province	—	57.61	61.14	59.16
Males 18 } Total 32.				
Females 14 }				

¹⁾ No information received.

Table No. 6 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
Africa, total.....	—	60.67	62.20	61.36
Males 127 } Total 231.				
Females 104 }				
<i>North Atlantic and Arctic:—</i>				
Norway.....	—	59.61	63.84	62.04
Males 23 } Total 54.				
Females 31 }				
Faroe Islands.....	—	56.50	68.00	60.33
Males 2 } Total 3.				
Females 1 }				
Iceland.....	—	59.74	62.37	60.99
Males 163 } Total 310.				
Females 147 }				
Newfoundland.....				
Males 66 } Total 164.	No. 1	—	60.00	60.00
Females 98 }	„ 2	57.88	59.80	59.02
Average		57.88	59.81	59.03
Nova Scotia.....	—	55.14	56.95	56.11
Males 122 } Total 263. ¹⁾				
Females 137 }				
North Atlantic and Arctic, total	—	57.90	60.09	58.75
Males 376 } Total 794. ¹⁾				
Females 414 }				
<i>Pacific North:—</i>				
California.....	No. 1	58.89	63.50	59.73
Males 24 } Total 42.	„ 2	58.73	63.13	61.00
Females 18 }				
Average		58.79	63.17	60.67
British Columbia.....	—	57.13	59.04	58.14
Males 63 } Total 134.				
Females 71 }				
North Pacific Ocean and Bering Sea, pelagic.....	No. 1	59.29	61.39	60.42
Males 614 } Total 1,266.	„ 2	59.33	60.84	60.10
Females 652 }				
Average		59.32	60.99	60.18
Kamtschatka, pelagic.....	No. 1	58.88	64.26	62.67
Males 602 } Total 1,339.	„ 2	60.07	62.43	61.30
Females 737 }	„ 3	59.38	59.53	59.46
	„ 4	59.20	60.67	60.05
Average		59.39	60.91	60.23

¹⁾ Incl. 4 whales, sex not stated.

Table No. 6 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
Japan	No. 1	50.00	—	50.00
Males 56 } Total 104.	" 2	59.00	63.60	61.56
Females 48 }	" 3	56.56	60.24	58.12
	" 4	60.31	60.00	60.15
Average		57.66	60.88	59.14
Pacific North, total.....	—	59.17	60.89	60.08
Males 1,359 } Total 2,885.				
Females 1,526 }				
Chile	No. 1	56.16	59.49	57.70
Males 43 } Total 80.	" 2 ¹⁾			
Females 37 }				
Average				
<u>C. Humpbacks.</u>				
Chile	—	—	42.00	42.00
Males 7.				
<u>D. Sei-whales.</u>				
<i>Africa:—</i>				
Natal	—	42.95	43.64	43.31
Males 132 } Total 273.				
Females 141 }				
Cape Province.....	—	43.60	44.97	44.09
Males 242 } Total 416. ²⁾				
Females 170 }				
Africa, total.....	—	43.37	44.37	43.78
Males 374 } Total 689. ²⁾				
Females 311 }				
Brazil:.....	—	48.29	50.52	49.25
Males 41 } Total 72.				
Females 31 }				
<i>North Atlantic and Arctic:—</i>				
Norway.....	—	46.00	—	46.00
Males 1.				
Iceland.....	—	44.35	45.04	44.76
Males 17 } Total 41.				
Females 24 }				
Nova Scotia.....	—	45.60	50.00	46.63
Males 5 } Total 8. ³⁾				
Females 2 }				

¹⁾ No information received. ²⁾ Incl. 4 sei-whales, sex not stated. ³⁾ Incl. 1 sei-whale, sex not stated.

Table No. 6 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
North Atlantic and Arctic, total Males 23 } Total 50. ¹⁾ Females 26 }	—	Engl. feet. 44.70	Engl. feet. 45.42	Engl. feet. 44.18
<i>Pacific North:</i> —				
California Males 21 } Total 60. Females 39 }	No. 1 " 2	43.50 44.00	43.94 44.43	43.79 44.25
Average		43.62	44.03	43.88
British Columbia Males 172 } Total 354. Females 182 }	—	41.41	42.61	42.00
North Pacific Ocean and Bering Sea, pelagic Males 1,312 } Total 2,208. Females 896 }	No. 1 " 2	44.55 45.24	46.21 46.21	45.18 45.64
Average		45.05	46.21	45.52
Kamtchatka, pelagic Males 652 } Total 1,534. Females 882 }	No. 1 " 2 " 3 " 4	42.64 43.09 45.55 44.44	45.82 44.90 45.36 45.77	44.59 43.94 45.45 45.28
Average		44.18	45.54	44.96
Japan..... Males 120 } Total 311. ²⁾ Females 191 }	No. 1 " 2 " 3 " 4	40.31 43.79 43.22 43.38	40.94 44.47 44.38 43.88	40.70 44.27 43.84 43.74
Average		42.53	43.37	43.05
Pacific North, total..... Males 2,277 } Total 4,467. Females 2,190 }	—	44.38	45.35	44.86
<i>Chile</i> Males 70 } Total 207. Females 137 }	No. 1 " 2 ³⁾	42.36	44.72	43.92
<u>E. Sperm-whales.</u>				
<i>Africa:</i> —				
Natal Males 1,398 } Total 2,465. Females 1,067 }	—	40.25	35.71	38.26
Cape Province..... Males 520 } Total 684. ⁴⁾ Females 163 }	—	37.85	33.40	36.78

¹⁾ Incl. 1 sei-whales, sex not stated. ²⁾ Incl. 20 Bryde-whale. ³⁾ No information received. ⁴⁾ Incl. 1 sperm-whale, sex not stated.

Table No. 6 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
Africa, total.....	—	39.59	35.41	37.94
Males 1,888 } Total 3,119. ¹⁾				
Females 1,230 }				
Brazil.....	—	42.00	36.47	38.08
Males 7 } Total 24.				
Females 17 }				
North Atlantic and Arctic:—				
Azores.....	—	42.39	33.53	40.80
Males 244 } Total 297.				
Females 53 }				
Madeira.....	—	39.04	32.18	36.31
Males 68 } Total 113.				
Females 45 }				
Norway.....	—	49.44	—	49.44
Males 36.				
Faroe Islands.....	—	44.00	—	44.00
Males 1.				
Iceland.....	—	50.88	—	50.88
Males 86.				
Newfoundland.....	No. 1	47.00	—	47.00
Males 2.	„ 2	47.00	—	47.00
North Atlantic and Arctic, total (excl. Azores and Madeira)..	—	50.35	—	50.35
Males 125.				
Pacific North:—				
California.....	No. 1	40.31	36.50	39.55
Males 37 } Total 46.	„ 2	41.80	35.00	40.67
Females 9 }				
Average		40.51	36.33	39.70
British Columbia.....	—	41.23	35.58	38.83
Males 132 } Total 229.				
Females 97 }				
North Pacific Ocean and Bering Sea, pelagic.....	No. 1	43.04	38.54	42.76
Males 2,834 } Total 3,000.	„ 2	46.21	38.67	45.88
Females 166 }				
Average		44.11	38.57	43.80
Kamtschatka, pelagic.....	No. 1	42.60	38.00	42.49
Males 8,968 } Total 9,436.	„ 2	42.91	38.22	42.62
Females 468 }	„ 3	41.39	37.95	41.18
	„ 4	42.06	37.65	41.86
Average		42.07	37.91	41.87

¹⁾ Incl. 1 sperm-whale, sex not stated.

Table No. 6 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
Japan.....	No. 1	38.71	35.82	36.89
Males 994 } Total 2,101.	" 2	39.59	35.62	38.24
Females 1,107 }	" 3	38.86	35.56	37.32
	" 4	40.29	35.68	37.82
Average		39.20	35.72	37.37
Pacific North, total.....	—	42.28	36.53	41.57
Males 12,965 } Total 14,812.				
Females 1,847 }				
Chile.....	No. 1	38.46	32.80	36.74
Males 324 } Total 466.	" 2 ¹⁾			
Females 142 }				
Average				
Australia.....	—	43.51	35.00	43.37
Males 596 } Total 606.				
Females 10 }				
Indian Ocean, pelagic.....	No. 1	41.41	37.78	40.57
Males 1,228 } Total 1,440.	" 2	41.59	—	41.59
Females 212 }	" 3	41.16	39.00	40.94
	" 4	43.21	39.00	42.93
	" 5	41.53	33.44	40.75
	" 6	41.06	35.26	40.13
Average		41.40	36.07	40.61
South Atlantic Ocean, pelagic ...	No. 1	48.77	39.33	48.27
Males 303 } Total 334.	" 2	46.09	—	46.09
Females 31 }	" 3	46.30	—	46.30
	" 4	42.19	35.32	41.33
Average		44.07	35.71	43.29
South Pacific Ocean, pelagic		40.09	39.79	39.11
Males 92 } Total 160.				
Females 68 }				
<u>F. Bryde-whales.</u>				
<i>Africa:—</i>				
Natal.....	—	—	43.50	43.50
Females 4.				
Cape Province.....	—	40.98	41.68	41.29
Males 56 } Total 100.				
Females 44 }				
Africa, total.....	—	40.98	41.83	41.38
Males 56 } Total 104.				
Females 48 }				

¹⁾ No information received.

Table No. 6 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
<i>Indian Ocean, pelagic</i>	—	Engl. feet. 40.50	Engl. feet. 41.00	Engl. feet. 40.67
Males 2 } Females 1 } Total 3.				
<i>Pacific North:—</i>				
California	No. 1	—	42.00	42.00
Females 2.	„ 2	—	49.00	49.00
Average		—	45.50	45.50

Table No. 7.—Whales caught in the summer season 1966,
by species, sex and size.

I. Natal.

Blue-whales.

Engl. feet.	Number of		Total animals.	Average size	Per cent
	males.	females.			
65	1	1	2	{ Males: 66.50 feet { Females: 66.00 „ { Total animals: 66.25 „	{ Males: 50.00 { Females: 50.00
67	—	1	1		
68	1	—	1		
Sum	2	2	4		

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
50	1	—	1	69	3	5	8
51	1	2	3	70	2	—	2
54	—	1	1	71	1	3	4
55	2	2	4	72	1	2	3
56	10	10	20	73	—	2	2
57	13	11	24	74	—	4	4
58	11	2	13	77	—	1	1
59	2	7	9	Sum	109	90	199
60	4	4	8	Average size { Males: 61.26 feet { Females: 62.43 „ { Total animals: 61.79 „			
61	11	4	15				
62	17	9	26				
63	8	3	11	Per cent { Males: 54.77 { Females: 45.23			
64	8	6	14				
65	4	5	9				
66	3	—	3				
67	5	6	11				
68	2	1	3				

Table No. 7 (continued).

Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
34	—	1	1	49	4	10	14
35	2	3	5	50	4	10	14
36	5	4	9	51	—	7	7
37	6	9	15	52	1	3	4
38	8	11	19	53	—	2	2
39	10	9	19	54	—	2	2
40	7	9	16	55	—	1	1
41	10	11	21	Sum	132	141	273
42	13	14	27	Average size			Males: 42.95 feet
43	10	7	17				Females: 43.64 "
44	11	5	16				Total animals: 43.31 "
45	9	3	12	Per cent			Males: 48.35
46	12	6	18				Females: 51.65
47	11	7	18				
48	9	7	16				

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
29	1	1	2	48	41	—	41
30	1	5	6	49	34	—	34
31	5	8	13	50	27	—	27
32	3	14	17	51	14	—	14
33	7	19	26	52	3	—	3
34	10	29	39	53	4	—	4
35	127	364	491	54	2	—	2
36	227	373	600	55	2	—	2
37	172	214	386	56	1	—	1
38	104	31	135	Sum	1,368	1,067	2,435
39	62	7	69	Average size			Males: 40.25 feet
40	80	1	81				Females: 35.71 "
41	83	1	84				Total animals: 38.26 "
42	57	—	57	Per cent			Males: 56.18
43	76	—	76				Females: 43.82
44	57	—	57				
45	61	—	61				
46	59	—	59				
47	48	—	48				

Bryde-whales.

Engl. feet.	Number of		Total animals.	Average size: Females: 43.50 feet.
	males.	females.		
42	—	1	1	
43	—	1	1	
44	—	1	1	
45	—	1	1	
Sum	—	4	4	

Table No. 7 (continued).

2. Cape Province.

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
52	3	—	3	67	1	—	1
53	2	3	5	68	1	—	1
54	1	—	1	71	—	1	1
55	2	—	2	73	—	1	1
56	1	—	1	Sum	18	14	32
57	1	—	1	Average size	{	Males:	57.61 feet
58	1	1	2			Females:	61.14 "
59	1	1	2			Total animals:	59.16 "
60	1	2	3	Per cent	{	Males:	56.25
61	1	—	1			Females:	43.75
62	1	2	3				
63	1	—	1				
64	—	3	3				

Sei-whales.

34	1	—	1	49	13	15	28
35	3	3	8	50	3	12	15
36	12	7	19	51	3	15	18
37	5	7	13	52	2	5	7
38	14	7	21	53	—	4	4
39	14	11	35	54	—	2	2
40	10	5	16	Sum	242	170	¹⁾ 416
41	6	8	14	Average size	{	Males:	43.60 feet
42	21	6	27			Females:	44.97 "
43	22	9	31			Total animals:	44.09 "
44	23	13	36	Per cent	{	Males:	58.74
45	19	8	27			Females:	41.26
46	27	11	38				
47	23	7	30				
48	21	15	36				

¹⁾ Incl. 2 sei-whales of 35 feet, 1 sei-whale of 37 feet and 1 sei-whale of 40 feet with sex not stated. In addition 1 sei-whale lost.

Sperm-whales.

25	—	1	1	44	15	—	15
26	1	1	2	45	3	—	3
27	1	—	1	46	10	—	10
28	1	2	3	47	5	—	5
30	—	3	3	48	2	—	2
31	1	2	3	49	3	—	3
32	18	37	55	52	2	—	2
33	20	39	59	54	1	—	1
34	36	34	¹⁾ 71	Sum	520	163	¹⁾ 684
35	54	28	82	Average size	{	Males:	37.85 feet
36	85	13	98			Females:	33.40 "
37	75	3	78			Total animals:	36.78 "
38	39	—	39	Per cent	{	Males:	76.13
39	42	—	42			Females:	23.87
40	33	—	33				
41	32	—	32				
42	22	—	22				
43	19	—	19				

¹⁾ Incl. 1 sperm-whale, sex not stated.

Table No. 7 (continued).

Bryde-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.		
	males.	females.			males.	females.			
31	1	—	1	44	8	7	15		
32	2	2	4	45	1	6	7		
33	—	2	2	46	1	3	4		
34	2	—	2	47	—	3	3		
35	2	3	5	49	—	1	1		
36	1	1	2	Sum	56	44	100		
37	2	2	4	Average size	Males: 40.98 feet	Females: 41.68 "	Total animals: 41.29 "		
38	2	1	3					Per cent	Males: 56.00
39	—	1	1						
40	4	1	5						
41	2	2	4						
42	13	3	16						
43	15	6	21						

3. Summary Africa.

(Natal and Cape Province.)

Blue-whales.

Engl. feet.	Number of		Total animals.	Average size	Males: 66.50 feet	Females: 66.00 "	Total animals: 66.25 "
	males.	females.					
65	1	1	2	Per cent	Males: 50.00	Females: 50.00	
67	—	1	1				
68	1	—	1				
Sum	2	2	4				

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.		
	males.	females.			males.	females.			
50	1	—	1	67	6	6	12		
51	1	2	3	68	3	1	4		
52	3	—	3	69	3	5	8		
53	2	3	5	70	2	—	2		
54	1	1	2	71	1	4	5		
55	4	2	6	72	1	2	3		
56	11	10	21	73	—	3	3		
57	14	11	25	74	—	4	4		
58	12	3	15	77	—	1	1		
59	3	8	11	Sum	127	104	231		
60	5	6	11	Average size	Males: 60.67 feet	Females: 62.20 "	Total animals: 61.36 "		
61	12	4	16					Per cent	Males: 54.98
62	18	11	29						
63	9	3	12						
64	8	9	17						
65	4	5	9						
66	3	—	3						

Table No. 7 (continued).

Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
34	1	1	2	49	17	25	42
35	5	6	13	50	7	22	29
36	17	11	28	51	3	22	25
37	11	16	28	52	3	8	11
38	22	18	40	53	—	6	6
39	24	20	44	54	—	4	4
40	17	14	32	55	—	1	1
41	16	19	35	Sum	374	311	¹⁾ 689
42	34	20	54	Average size			Males: 43.37 feet
43	32	16	48				Females: 44.37 "
44	34	18	52				Total animals: 43.78 "
45	28	11	39	Per cent			Males: 54.60
46	39	17	56				Females: 45.40
47	34	14	48				
48	30	22	52				

¹⁾ Incl. 2 sei-whales of 35 feet, 1 sei-whale of 37 feet and 1 sei-whale of 40 feet with sex not stated. In addition 1 sei-whale lost.

Sperm-whales.

25	—	1	1	45	64	—	64
26	1	1	2	46	69	—	69
27	1	—	1	47	53	—	53
28	1	2	3	48	43	—	43
29	1	1	2	49	37	—	37
30	1	8	9	50	27	—	27
31	6	10	16	51	14	—	14
32	21	51	72	52	5	—	5
33	27	58	85	53	4	—	4
34	46	63	¹⁾ 110	54	3	—	3
35	181	392	573	55	2	—	2
36	312	386	698	56	1	—	1
37	247	217	464	Sum	1,888	1,230	¹⁾ 3,119
38	143	31	174	Average size			Males: 39.59 feet
39	104	7	111				Females: 35.41 "
40	113	1	114				Total animals: 37.94 "
41	115	1	116	Per cent			Males: 60.55
42	79	—	79				Females: 39.45
43	95	—	95				
44	72	—	72				

¹⁾ Incl. 1 sperm-whale of 34 feet with sex not stated.

Bryde-whales.

31	1	—	1	44	8	8	16
32	2	2	4	45	1	7	8
33	—	2	2	46	1	3	4
34	2	—	2	47	—	3	3
35	2	3	5	49	—	1	1
36	1	1	2	Sum	56	48	104
37	2	2	4	Average size			Males: 40.98 feet
38	2	1	3				Females: 41.83 "
39	—	1	1				Total animals: 41.38 "
40	4	1	5	Per cent			Males: 53.85
41	2	2	4				Females: 46.15
42	13	4	17				
43	15	7	22				

Table No. 7 (continued).

4. Brazil.

Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.			
	males.	females.			males.	females.				
40	—	1	1	53	—	2	2			
41	—	1	1	54	1	2	3			
42	1	—	1	55	—	2	2			
43	2	—	2	56	—	2	2			
45	1	—	1	Sum	41	31	72			
46	5	1	6	Average size {			Males: 48.29 feet			
47	3	—	3				Females: 50.52 „			
48	8	3	11				Total animals: 49.25 „			
49	9	1	10	Per cent {			Males: 56.94			
50	6	9	15				Females: 43.06			
51	3	4	7							
52	2	3	5							

Sperm-whales.

Engl. feet.	Number of		Total animals.	Average size {	Males: 42.00 feet	
	males.	females.				
35	2	5	7	}	Females: 36.47 „	
36	—	2	2		Total animals: 38.08 „	
37	1	7	8		Per cent {	Males: 29.17
38	1	3	4	Females: 70.83		
46	1	—	1			
47	1	—	1			
56	1	—	1			
Sum	7	17	24			

5. Azores.

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.			
	males.	females.			males.	females.				
23	1	—	1	46	13	—	13			
28	1	1	2	47	2	—	2			
30	11	6	17	48	12	—	12			
31	4	10	14	49	32	—	32			
32	2	—	2	50	4	—	4			
33	28	9	37	51	7	—	7			
34	9	14	23	52	20	—	20			
35	—	1	1	53	2	—	2			
36	22	4	26	54	5	—	5			
37	—	1	1	56	5	—	5			
38	3	3	6	Sum	244	53	297			
39	18	3	21	Average size {			Males: 42.39 feet			
40	—	1	1				Females: 33.53 „			
41	4	—	4				Total animals: 40.80 „			
42	1	—	1	Per cent {			Males: 82.15			
43	33	—	33				Females: 17.85			
44	3	—	3							
45	2	—	2							

Table No. 7 (continued).

6. Madeira.
Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
28	2	—	2	44	1	—	1
29	—	2	2	45	1	—	1
30	6	10	16	46	2	—	2
31	4	8	12	48	4	—	4
32	2	2	4	49	1	—	1
33	4	16	20	50	3	—	3
34	1	2	3	51	2	—	2
35	1	—	1	53	1	—	1
36	3	3	6	Sum	68	45	113
37	4	2	6	Average size {			Males: 39.04 feet
38	2	—	2	Females: 32.18 "			
39	9	—	9	Total animals: 36.31 "			
40	3	—	3	Per cent {			Males: 60.18
41	6	—	6	Females: 39.82			
42	4	—	4				
43	2	—	2				

7. Norway.

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
51	1	2	3	67	1	2	3
53	1	—	1	68	—	2	2
54	2	1	3	69	—	4	4
55	1	1	2	70	—	2	2
56	1	1	2	71	—	1	1
57	1	—	1	73	—	1	1
58	1	1	2	Sum	23	31	54
59	—	1	1	Average size {			Males: 59.61 feet
60	4	—	4	Females: 63.84 "			
61	2	2	4	Total animals: 62.04 "			
62	5	2	7	Per cent {			Males: 42.59
63	1	1	2	Females: 57.41			
65	1	6	7				
66	1	1	2				

Sei-whales: 1 male of 46 feet.

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
43	2	—	2	52	1	—	1
45	2	—	2	53	4	—	4
47	1	—	1	56	1	—	1
48	6	—	6	Sum	36	—	36
49	5	—	5	Average size: Males: 49.44 feet.			
50	10	—	10				
51	4	—	4				

Table No. 7 (continued).

8. Faroe Islands.

Fin-whales.

Engl. feet.	Number of		Total animals.	Average size	{ Males: 56.50 feet Females: 68.00 " Total animals: 60.33 "
	males.	females.			
56	1	—	1	Per cent	{ Males: 66.67 Females: 33.33
57	1	—	1		
68	—	1	1		
Sum	2	1	3 ¹⁾		

¹⁾ In addition 1 fin-whale caught, sex not stated.

Sperm-whales.

1 male of 44 feet.

9. Iceland.

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
47	—	1	1	65	6	14	20
51	1	—	1	66	4	10	14
52	4	2	6	67	3	10	13
53	5	3	8	68	—	10	10
54	1	4	5	69	—	8	8
55	11	3	14	70	—	4	4
56	8	4	12	Sum	163	147	310
57	20	9	29	Average size	{ Males: 59.74 feet Females: 62.37 " Total animals: 60.99 "		
58	9	5	14				
59	14	9	23	Per cent	{ Males: 52.58 Females: 47.42		
60	17	8	25				
61	11	7	18				
62	24	16	40				
63	15	11	26				
64	10	9	19				

Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
37	—	1	1	50	—	2	2
38	—	1	1	52	—	1	1
39	—	1	1	53	—	1	1
40	1	1	2	Sum	17	24	41
41	1	3	4	Average size	{ Males: 44.35 feet Females: 45.04 " Total animals: 44.76 "		
42	2	—	2				
43	1	2	3	Per cent	{ Males: 41.46 Females: 58.54		
44	4	1	5				
45	2	3	5				
46	2	1	3				
47	4	2	6				
48	—	2	2				
49	—	2	2				

Table No. 7 (continued).

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
43	1	—	1	52	13	—	13
44	3	—	3	53	16	—	16
45	6	—	6	54	9	—	9
46	4	—	4	55	5	—	5
47	3	—	3	56	3	—	3
48	2	—	2	57	1	—	1
49	6	—	6				
50	8	—	8				
51	6	—	6	Sum	86	—	86

Average size: Males: 50.88 feet.

10. Newfoundland.

Fin-whales.

48	—	2	2	64	—	10	10
50	—	1	1	65	1	8	9
51	1	3	4	66	1	5	6
52	3	5	8	67	—	2	2
53	1	3	4	68	—	1	1
54	3	—	3	69	—	1	1
55	4	7	11				
56	12	2	14	Sum	66	98	164
57	5	8	13				
58	11	2	13	Average size	{ Males: 57.88 feet Females: 59.81 " Total animals: 59.03 ..		
59	9	10	19	Per cent	{ Males: 40.24 Females: 59.76		
60	1	6	7				
61	8	8	16				
62	5	7	12				
63	1	7	8				

Sperm-whales.

2 males of 47 feet.

11. Nova Scotia.

Blue-whales.

1 male of 70 feet.

Fin-whales.

43	—	1	1	61	4	14	19
45	1	1	2	62	—	13	13
46	—	1	1	63	1	7	8
47	—	1	1	64	—	2	2
50	9	15	24	65	—	4	4
51	11	12	23	66	—	1	1
52	5	7	12	67	—	2	2
53	9	4	14	Sum	122	137	1) 263
54	15	4	19				
55	18	6	24	Average size	{ Males: 55.14 feet Females: 56.95 " Total animals: 56.11 ..		
56	9	7	17	Per cent	{ Males: 47.10 Females: 52.90		
57	15	5	21				
58	15	8	23				
59	2	13	15				
60	8	9	17				

1) Incl. 4 fin-whales of 53, 56, 57 and 61 feet, respectively, with sex not stated.

Table No. 7 (continued).

Sei-whales.

Engl. feet.	Number of		Total animals.	
	males.	females.		
42	1	—	1	Average size { Males: 45.60 feet Females: 50.00 „ Total animals: 46.63 „
43	1	—	1	
45	—	—	¹⁾ 1	Per cent { Males: 71.43 Females: 28.57
46	1	—	1	
47	1	—	1	
50	1	2	3	
Sum	5	2	¹⁾ 8	

¹⁾ Incl. 1 sei-whale, sex not stated.

12. Summary North Atlantic and Arctic.

(Norway, Faroe Islands, Iceland, Newfoundland and Nova Scotia.)

Blue-whales.

1 male of 70 feet.

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
43	—	1	1	63	18	26	44
45	1	1	2	64	10	21	31
46	—	1	1	65	8	32	40
47	—	2	2	66	6	17	23
48	—	2	2	67	4	16	20
50	9	16	25	68	—	14	14
51	14	17	31	69	—	13	13
52	12	14	26	70	—	6	6
53	16	10	27	71	—	1	1
54	21	9	30	73	—	1	1
55	34	17	51	Sum	376	414	¹⁾ 794
56	31	14	46	Average size { Males: 57.90 feet Females: 60.09 „ Total animals: 58.75 „			
57	42	22	65				
58	36	16	52	Per cent { Males: 47.59 Females: 52.41			
59	25	33	58				
60	30	23	53				
61	25	31	57				
62	34	38	72				

¹⁾ Incl. 4 fin-whales of 53, 56, 57 and 61 feet, respectively, with sex not stated. In addition 1 fin-whale with length and sex not stated.

Sei-whales.

37	—	1	1	49	—	2	2
38	—	1	1	50	1	4	5
39	—	1	1	52	—	1	1
40	1	1	2	53	—	1	1
41	1	3	4	Sum	23	26	¹⁾ 50
42	3	—	3	Average size { Males: 44.70 feet Females: 45.42 „ Total animals: 44.18 „			
43	2	2	4				
44	4	1	5	Per cent { Males: 46.94 Females: 53.06			
45	2	3	¹⁾ 6				
46	4	1	5				
47	5	2	7				
48	—	2	2				

¹⁾ Incl. 1 sei-whale, sex not stated.

Table No. 7 (continued).

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
43	3	—	3	53	20	—	20
44	4	—	4	54	9	—	9
45	8	—	8	55	5	—	5
46	4	—	4	56	4	—	4
47	6	—	6	57	1	—	1
48	8	—	8				
49	11	—	11	Sum	125	—	125
50	18	—	18	Average size: Males: 50.35 feet.			
51	10	—	10				
52	14	—	14				

13. California.¹⁾

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
51	2	—	2	65	—	1	1
52	—	2	2	66	—	3	3
53	1	—	1	67	—	2	2
54	1	—	1	68	—	1	1
55	1	3	4	71	—	4	4
56	1	—	1	Sum	24	18	42
57	2	—	2	Average size { Males: 58.79 feet Females: 63.17 " Total animals: 60.67 " Per cent { Males: 57.14 Females: 42.86			
58	—	1	1				
59	3	—	3				
60	5	—	5				
61	2	1	3				
62	2	—	2				
63	2	—	2				
64	2	—	2				

Sei-whales.

35	—	1	1	48	1	5	6
37	—	1	1	49	—	1	1
38	1	2	3	50	—	1	1
39	1	—	1	51	—	1	1
40	—	2	2	Sum	21	39	60
41	1	2	3	Average size { Males: 43.62 feet Females: 44.03 " Total animals: 43.88 " Per cent { Males: 35.00 Females: 65.00			
42	3	6	9				
43	2	3	5				
44	6	2	8				
45	3	5	8				
46	2	6	8				
47	1	1	2				

Bryde-whales.

1 female of 42 feet and 1 female of 49 feet.

Average size 45.50 feet.

¹⁾ In addition 52 grey-whales and 19 sperm-whales taken under Special Scientific Permits.

Table No. 7 (continued).

Sperm-whales.¹⁾

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	4	3	7	49	1	-	1
36	6	3	9	50	2	-	2
37	2	-	2	Sum	37	9	46
38	4	3	7	Average size { Males: 40.51 feet Females: 36.33 „ Total animals: 39.70 „ Per cent { Males: 80.43 Females: 19.57			
39	4	-	4				
40	2	-	2				
41	4	-	4				
42	1	-	1				
45	3	-	3				
47	1	-	1				
48	3	-	3				

¹⁾ See note 1 at the bottom of the preceding page.

14. British Columbia.

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
44	-	1	1	64	3	2	5
46	2	1	3	65	1	-	1
47	-	2	2	66	1	5	6
50	3	4	7	67	-	1	1
51	1	2	3	68	-	4	4
52	4	4	8	69	-	1	1
53	2	2	4	70	-	5	5
54	7	5	12	71	-	1	1
55	5	3	8	Sum	63	71	134
56	7	-	7	Average size { Males: 57.13 feet Females: 59.04 „ Total animals: 58.14 „ Per cent { Males: 47.01 Females: 52.99			
57	3	3	6				
58	5	4	9				
59	3	9	12				
60	3	4	7				
61	4	2	6				
62	5	4	9				
63	4	2	6				

Sei-whales.

31	-	2	2	47	11	18	29
32	2	-	2	48	1	16	17
33	1	2	3	49	1	13	14
34	1	-	1	50	-	3	3
35	7	14	21	51	-	1	1
36	16	9	25	52	-	1	1
37	15	5	20	Sum	172	182	354
38	9	15	24	Average size { Males: 41.41 feet Females: 42.61 „ Total animals: 42.00 „ Per cent { Males: 48.59 Females: 51.41			
39	14	12	26				
40	4	7	11				
41	15	10	25				
42	8	10	18				
43	11	9	20				
44	11	10	21				
45	25	11	36				
46	20	14	34				

Table No. 7 (continued).

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
29	1	—	1	46	4	—	4
31	2	—	2	47	4	—	4
32	—	1	1	48	4	—	4
33	3	7	10	49	5	—	5
34	3	5	8	50	9	—	9
35	18	41	59	51	5	—	5
36	11	21	32	52	5	—	5
37	11	14	25	53	2	—	2
38	10	5	15				
39	5	1	6	Sum	132	97	229
40	10	2	12				
41	3	—	3	Average size	{ Males: 41.23 feet		
42	3	—	3		{ Females: 35.58 "		
43	7	—	7		{ Total animals: 38.83 "		
44	3	—	3	Per cent	{ Males: 57.64		
45	4	—	4		{ Females: 42.36		

15. North Pacific Ocean and Bering Sea, pelagic.

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
52	2	3	5	68	1	24	25
53	5	3	8	69	—	17	17
54	1	2	3	70	—	12	12
55	118	128	246	71	—	1	1
56	53	44	97	72	—	2	2
57	41	40	81	73	—	2	2
58	34	29	63	74	—	2	2
59	49	29	78	Sum	614	652	1,266
60	60	46	106				
61	65	26	91	Average size	{ Males: 59.32 feet		
62	67	27	94		{ Females: 60.99 "		
63	50	37	87		{ Total animals: 60.18 "		
64	33	39	72	Per cent	{ Males: 48.50		
65	20	51	71		{ Females: 51.50		
66	12	44	56				
67	3	44	47				

Sei-whales.

38	2	—	2	51	2	42	44
40	82	75	157	52	2	22	24
41	62	49	111	53	—	4	4
42	64	39	103	Sum	1,312	896	2,208
43	103	50	153				
44	160	41	201	Average size	{ Males: 45.05 feet		
45	207	71	278		{ Females: 46.21 "		
46	243	98	341		{ Total animals: 45.52 "		
47	211	108	319	Per cent	{ Males: 59.42		
48	106	102	208		{ Females: 40.58		
49	59	117	176				
50	9	78	87				

Table No. 7 (continued).

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
34	1	—	1	49	244	—	244	
36	—	8	8	50	221	—	221	
37	2	5	7	51	121	—	121	
38	87	62	149	52	136	—	136	
39	216	73	289	53	18	—	18	
40	238	12	250	54	5	—	5	
41	214	5	219	Sum	2,834	166	3,000	
42	196	1	197	Average size {				Males: 44.11 feet
43	266	—	266	{				Females: 38.57 "
44	199	—	199	{				Total animals: 43.80 "
45	149	—	149	Per cent {				Males: 94.47
46	168	—	168	{				Females: 5.53
47	168	—	168					
48	185	—	185					

16. Kamtchatka, pelagic.

Fin-whales.

46	—	1	1	68	2	11	13	
53	1	1	2	69	5	20	25	
54	3	1	4	70	8	9	17	
55	74	60	134	71	3	6	9	
56	73	83	156	72	2	7	9	
57	81	52	133	73	1	—	1	
58	55	35	90	74	2	1	3	
59	79	83	162	Sum	602	737	¹⁾ 1,339	
60	40	35	75	Average size {				Males: 59.39 feet
61	48	63	111	{				Females: 60.91 "
62	47	78	125	{				Total animals: 60.23 "
63	20	37	57	Per cent {				Males: 44.96
64	21	65	86	{				Females: 55.04
65	5	25	30					
66	21	43	64					
67	11	21	32					

¹⁾ In addition 8 fin-whales lost.

Sei-whales.

35	—	1	1	52	14	25	39	
36	—	1	1	53	—	12	12	
37	1	—	1	54	9	9	18	
38	1	1	2	55	1	1	2	
39	3	—	3	56	6	5	11	
40	67	71	138	57	2	6	8	
41	117	93	210	58	—	1	1	
42	81	33	114	62	—	1	1	
43	85	97	182	Sum	652	882	¹⁾ 1,534	
44	40	90	130	Average size {				Males: 44.18 feet
45	36	55	91	{				Females: 45.54 "
46	73	117	190	{				Total animals: 44.96 "
47	26	40	66	Per cent {				Males: 42.50
48	42	97	139	{				Females: 57.50
49	29	59	88					
50	6	36	42					
51	13	31	44					

¹⁾ In addition 11 sei-whales lost.

Table No. 7 (continued).

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males	females	
30	—	1	1	47	354	1	355
31	1	3	4	48	294	—	294
32	—	1	1	49	308	—	308
33	6	9	15	50	240	—	240
34	6	7	13	51	135	—	135
35	8	17	25	52	42	—	42
36	22	21	43	53	5	—	5
37	33	29	62	54	3	—	3
38	887	230	1,117	55	1	—	1
39	1,825	126	1,951	Sum	8,968	468	1) 9,436
40	1,166	19	1,185	Average size	{ Males: 42.07 feet Females: 37.91 " Total animals: 41.87 "		
41	961	2	963	Per cent	{ Males: 95.04 Females: 4.96		
42	823	2	825				
43	679	—	679				
44	458	—	458				
45	357	—	357				
46	354	—	354				

1) In addition 40 sperm-whales lost.

17. Japan.

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
50	3	2	5	64	2	5	7
51	4	3	7	65	—	5	5
52	6	2	8	66	1	4	5
53	1	2	3	67	—	3	3
54	1	—	1	68	—	2	2
55	1	1	2	69	—	2	2
56	2	1	3	Sum	56	48	104
57	3	2	5	Average size	{ Males: 57.66 feet Females: 60.88 " Total animals: 59.14 "		
58	7	1	8	Per cent	{ Males: 53.85 Females: 46.15		
59	8	2	10				
60	3	4	7				
61	5	3	8				
62	6	1	7				
63	3	3	6				

Sei-whales.

33	1	—	1	47	7	19	26
34	2	—	2	48	5	15	20
35	4	9	13	49	3	9	12
36	1	6	7	50	2	4	6
37	4	8	12	51	—	4	4
38	7	11	18	52	—	1	1
39	7	13	20	Sum	120	191	1) 311
40	8	4	12	Average size	{ Males: 42.53 feet Females: 43.37 " Total animals: 43.05 "		
41	11	8	19	Per cent	{ Males: 38.59 Females: 61.41		
42	12	12	24				
43	9	18	27				
44	14	12	26				
45	12	20	32				
46	11	18	29				

1) Incl. 20 Bryde-whales.

Table No. 7 (continued).

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
30	—	3	3	46	6	1	7
31	1	2	3	47	5	—	5
32	—	4	4	48	20	—	20
33	1	1	2	49	18	—	18
34	—	4	4	50	14	—	14
35	92	498	590	51	9	—	9
36	176	432	608	52	3	—	3
37	149	110	259	53	1	—	1
38	110	37	147	Sum	994	1,107	2,101
39	111	9	120	Average size	{ Males: 39.20 feet Females: 35.72 " Total animals: 37.37 "		
40	75	4	79	Per cent	{ Males: 47.31 Females: 52.69		
41	66	2	68				
42	47	—	47				
43	51	—	51				
44	28	—	28				
45	11	—	11				

18. Summary Pacific North.

(California, British Columbia, North Pacific Ocean and Bering Sea,
Kamtchatka and Japan.)

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
44	—	1	1	65	26	82	108
46	2	2	4	66	35	99	134
47	—	2	2	67	14	71	85
50	6	6	12	68	3	42	45
51	7	5	12	69	5	40	45
52	12	11	23	70	8	26	34
53	10	8	18	71	3	12	15
54	13	8	21	72	2	9	11
55	199	195	394	73	1	2	3
56	136	128	264	74	2	3	5
57	130	97	227	Sum	1,359	1,526	¹⁾ 2,885
58	101	70	171	Average size	{ Males: 59.17 feet Females: 60.89 " Total animals: 60.08 "		
59	142	123	265	Per cent	{ Males: 47.11 Females: 52.89		
60	111	89	200				
61	124	95	219				
62	127	110	237				
63	79	79	158				
64	61	111	172				

¹⁾ In addition 8 fin-whales lost.

Table No. 7 (continued).

Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.		
	males.	females.			males.	females.			
31	—	2	2	50	17	122	139		
32	2	—	2	51	15	79	94		
33	2	2	4	52	16	49	65		
34	3	—	3	53	—	16	16		
35	11	24	35	54	9	9	18		
36	16	17	33	55	1	1	2		
37	21	14	35	56	6	5	11		
38	20	29	49	57	2	6	8		
39	25	25	50	58	—	1	1		
40	161	159	320	62	—	1	1		
41	206	162	368	Sum	2,277	2,190	1) 4,467		
42	168	100	268	Average size	Males: 44.38 feet	Females: 45.35 "	Total animals: 44.86 "		
43	210	177	387					Per cent	Males: 50.97
44	231	155	386						
45	283	162	445						
46	349	253	602						
47	256	186	442						
48	155	235	390						
49	92	199	291						

1) In addition 11 sei-whales lost. Incl. 20 Bryde-whales.

Bryde-whales.

1 female of 42 feet and 1 female of 49 feet.

Average size: 45.50 feet.

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.		
	males.	females.			males.	females.			
29	1	—	1	47	532	1	533		
30	—	4	4	48	506	—	506		
31	4	5	9	49	576	—	576		
32	—	6	6	50	486	—	486		
33	10	17	27	51	270	—	270		
34	10	16	26	52	186	—	186		
35	122	559	681	53	26	—	26		
36	215	485	700	54	8	—	8		
37	197	158	355	55	1	—	1		
38	1,098	337	1,435	Sum	12,965	1,847	1) 14,812		
39	2,161	209	2,370	Average size	Males: 42.28 feet	Females: 36.53 "	Total animals: 41.57 "		
40	1,491	37	1,528					Per cent	Males: 87.53
41	1,248	9	1,257						
42	1,070	3	1,073						
43	1,003	—	1,003						
44	688	—	688						
45	524	—	524						
46	532	1	533						

1) In addition 40 sperm-whales lost.

Table No. 7 (continued).

19. Chile.

Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
53	1	—	1	72	4	7	11
54	—	1	1	73	2	6	8
55	1	2	3	74	1	6	7
56	—	1	1	75	2	4	6
57	1	—	1	76	2	6	8
58	1	3	4	77	1	4	5
59	3	1	4	78	—	1	1
60	—	4	4	79	—	6	6
61	—	1	1	80	—	1	1
62	—	2	2	81	—	1	1
63	2	—	2	82	—	1	1
64	—	1	1	Sum	52	74	¹⁾ 126
65	3	5	8	Average size {			Males: 67.87 feet
66	5	3	8	{			Females: 70.24 „
67	3	—	3	{			Total animals: 69.26 „
68	5	2	7	Per cent {			Males: 41.27
69	6	—	6	{			Females: 58.73
70	3	3	6				
71	6	2	8				

¹⁾ In addition 2 blue-whales with length and sex not stated.

Fin-whales.

45	—	2	2	63	5	1	6
46	—	1	1	65	2	1	3
48	2	1	3	66	—	1	1
49	—	1	1	67	—	1	1
50	3	2	5	69	—	2	2
51	2	—	2	70	—	3	3
52	3	2	5	71	—	2	2
53	1	2	3	73	—	1	1
54	6	5	11	75	—	2	2
55	5	1	6	Sum	43	37	¹⁾ 80
56	3	—	3	Average size {			Males: 56.16 feet
57	3	1	4	{			Females: 59.49 „
58	3	1	4	{			Total animals: 57.70 „
59	2	—	2	Per cent {			Males: 53.75
60	1	1	2	{			Females: 46.25
61	1	2	3				
62	1	1	2				

¹⁾ In addition 4 fin-whales with length and sex not stated.

Humpbacks.

Engl. feet.	Number of		Total animals.
	males.	females.	
37	1	—	1
39	1	—	1
42	1	—	1
43	2	—	2
45	2	—	2
Sum	7	—	7

Average size: Males: 42.00 feet.

Table No. 7 (continued).

Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
32	—	1	1	47	1	21	22	
33	—	1	1	48	3	20	23	
34	—	2	2	49	1	9	10	
35	2	4	6	50	2	5	7	
36	4	4	8	51	—	4	4	
37	6	5	11	52	1	6	7	
38	2	4	6	53	—	1	1	
39	4	4	8	Sum	70	137	¹⁾ 207	
40	4	4	8	Average size	Males:	42.36	feet	
41	5	3	8			Females:	44.72	„
42	3	5	8				Total animals:	43.92
43	10	9	19	Per cent	Males:			33.82
44	9	6	15			Females:		66.18
45	10	8	18					
46	3	11	14					

¹⁾ In addition 3 sei-whales with length and sex not stated.

Sperm-whales.

26	—	2	2	44	11	—	11	
28	5	2	7	45	9	—	9	
29	2	4	6	46	8	—	8	
30	4	13	17	47	6	—	6	
31	5	11	16	48	6	—	6	
32	13	28	41	49	4	—	4	
33	28	36	64	50	7	—	7	
34	29	17	46	51	3	—	3	
35	27	11	38	52	2	—	2	
36	21	12	33	Sum	324	142	¹⁾ 466	
37	17	5	22	Average size	Males:	38.46	feet	
38	20	1	21			Females:	32.80	„
39	26	—	26				Total animals:	36.74
40	18	—	18	Per cent	Males:			69.53
41	27	—	27			Females:		30.47
42	16	—	16					
43	10	—	10					

¹⁾ In addition 203 sperm-whales with length and sex not stated.

20. Australia.

Sperm-whales.

33	2	1	3	48	36	—	36	
34	2	2	4	49	28	—	28	
35	8	3	11	50	15	—	15	
36	19	4	23	51	9	—	9	
37	16	—	16	52	3	—	3	
38	14	—	14	53	1	—	1	
39	16	—	16	54	1	—	1	
40	51	—	51	Sum	596	10	606	
41	53	—	53	Average size	Males:	43.51	feet	
42	54	—	54			Females:	35.00	„
43	52	—	52				Total animals:	43.37
44	58	—	58	Per cent	Males:			98.35
45	59	—	59			Females:		1.65
46	62	—	62					
47	37	—	37					

Table No. 7 (continued).

21. South Atlantic Ocean.

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
31	—	1	1	48	16	—	16	
32	2	5	7	49	28	—	28	
33	—	2	2	50	19	—	19	
34	1	2	3	51	7	—	7	
35	2	5	7	52	4	—	4	
36	3	2	5	53	7	—	7	
37	2	2	4	54	4	—	4	
38	13	8	21	55	2	—	2	
39	30	3	33	Sum	303	31	334	
40	27	1	28	Average size { Males: 44.07 feet Females: 35.71 " Total animals: 43.29 " Per cent { Males: 90.72 Females: 9.28				
41	32	—	32					
42	28	—	28					
43	11	—	11					
44	18	—	18					
45	21	—	21					
46	14	—	14					
47	12	—	12					

22. Indian Ocean.

Bryde-whales.

Engl. feet.	Number of		Total animals.	Average size { Males: 40.50 feet Females: 41.00 " Total animals: 40.67 "
	males.	females.		
40	1	—	1	Per cent { Males: 66.67 Females: 33.33
41	1	1	2	
Sum	2	1	1) 3	

1) For scientific purposes.

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
29	—	3	3	46	53	—	53	
30	—	5	5	47	37	—	37	
31	1	15	16	48	26	—	26	
32	1	15	16	49	20	—	20	
33	3	14	17	50	17	—	17	
34	3	14	17	51	7	—	7	
35	3	9	12	52	3	—	3	
36	5	10	15	53	3	—	3	
37	9	6	15	Sum	1,228	212	1,440	
38	168	91	259	Average size { Males: 41.40 feet Females: 36.07 " Total animals: 40.61 " Per cent { Males: 85.28 Females: 14.72				
39	273	28	301					
40	145	2	147					
41	126	—	126					
42	98	—	98					
43	119	—	119					
44	63	—	63					
45	45	—	45					

Table No. 7 (continued).

23. South Pacific Ocean.
Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
34	—	3	3	45	2	—	2
35	—	2	2	46	1	—	1
36	—	1	1	47	1	—	1
37	—	3	3	Sum	92	68	160
38	23	50	73	Average size { Males: 40.09 feet Females: 37.79 „ Total animals: 39.11 „ Per cent { Males: 57.50 Females: 42.50			
39	24	9	33				
40	17	—	17				
41	7	—	7				
42	7	—	7				
43	6	—	6				
44	4	—	4				

**Table No. 8.—Average production of oil per “blue-whale unit”
in the summer season 1966.**

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

Geographical areas.	Company.	Blue-whale equivalents.	Oil production.	
			Total.	Average per blue-whale equivalent.
			Barrels. ¹⁾	Barrels. ¹⁾
<i>Africa:—</i>				
Natal	No. 1	149.7	13,328	89.0
Cape Province	„ 1	102.0	6,090	59.7
Total		251.7	19,418	77.1
<i>Brazil.</i>	No. 1	12.0	²⁾ 1,020	85.0
<i>North Atlantic and Arctic:—</i>				
Norway	No. 1	27.2	2,051	75.4
Faroe Islands	„ 1	1.5	91	60.7
Iceland	„ 1	161.8	13,584	84.0
Nova Scotia	„ 1	133.8	8,068	60.3
Newfoundland	„ 1	82.0	4,291	52.3
	and 2			
Total		406.3	28,085	69.1
<i>Pacific North:—</i>				
California	No 1	49.7	3,549	71.4
	„ 2	7.7	458	59.5
British Columbia	„ 1	126.0	6,944	55.1
North Pacific Ocean, pelagic	„ 1	267.0	19,788	74.1
	„ 2	734.0	59,794	81.5
Kamchatka, pelagic	„ 1	128.0	7,518	58.7
	„ 2	283.2	15,912	56.2
	„ 3	142.7	8,000	56.1
	„ 4	371.3	15,881	42.8

¹⁾ Barrel = 170 kg. (Barrel = abt. ¼ long ton, 1 long ton = 1,016 kg.) ²⁾ Calculated.

Table No. 8 (continued).

Geographical areas.	Company.	Blue-whale equivalents.	Oil production.	
			Total.	Average per blue-whale equivalent.
			Barrels. ¹⁾	Barrels. ¹⁾
Japan	, 1	14.3	819	57.3
	, 2	50.0	2,056	41.1
	, 3	17.0	841	49.5
	, 4	22.5	1,022	45.4
Total		2,213.4	142,582	62.6
Peru	No. 1	300.9	10,864	36.1
Chile	No. 1	203.3	11,227	55.2
	, 2	5.0	299	59.8
Total		208.3	11,526	55.3

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

Table No. 9.—Average production of oil per sperm-whale in the summer season 1966.

Geographical areas.	Company.	Number of sperm-whales.	Oil production.	
			Total.	Average per sperm-whale.
			Barrels. ¹⁾	Barrels. ¹⁾
<i>Africa:—</i>				
Natal	No. 1	2,435	58,695	24.1
Cape Province	, 1	684	15,874	23.2
Total		3,119	74,569	23.9
<i>Brazil</i>	No. 1	24	307	12.8
<i>North Atlantic and Arctic:—</i>				
Azores		297	8,976	30.2
Madeira		113	2,704	23.9
Spain	No. 1	77	} ²⁾ 4,294	21.2
	, 2	44		
	, 3	82		
Norway	, 1	36	1,620	45.0
Faroe Islands	, 1	1	37	37.0
Iceland	, 1	86	4,826	56.1
Newfoundland	, 1	} 2	36	18.0
	, 2			
Total excl. Spain		535	18,199	34.0
<i>Pacific North:—</i>				
California	No. 1	59	1,329	22.5
	, 2	6	129	21.5
British Columbia	, 1	229	6,446	28.1
North Pacific Ocean, pelagic	, 1	2,000	83,882	41.9
	, 2	1,000	45,947	45.9
Kamtschatka, pelagic	, 1	1,537	41,000	26.7
	, 2	3,321	109,412	32.9
	, 3	1,522	43,212	28.4
	, 4	3,056	91,434	29.9

¹⁾ Barrel = 170 kg. (Barrel = abt. $\frac{1}{4}$ long ton, 1 long ton = 1,016 kg.) ²⁾ Calculated.

Table No. 9 (continued).

Geographical areas.	Company.	Number of sperm-whales.	Oil production	
			Total	Average per sperm-whale.
			Barrels ¹⁾	Barrels ¹⁾
Japan	„ 1	939	23,134	24.6
	„ 2	475	10,756	22.6
	„ 3	381	10,877	28.5
	„ 4	306	6,018	19.7
	Total	14,831	473,576	31.9
Peru	No. 1	862	16,547	19.2
Chile	No. 1	466	10,569	22.7
	„ 2	203	5,996	29.7
	Total	669	16,565	24.8
Australia	No. 1	606	25,051	41.3
South Atlantic Ocean, pelagic	No. 1	56	2,622	46.8
	„ 2	223	5,859	26.3
	„ 3	35	1,460	41.7
	„ 4	20	760	38.0
	Total ¹	334	10,701	32.0
Indian Ocean, pelagic	No. 1	58	1,724	29.7
	„ 2	412	12,468	30.3
	„ 3	331	8,237	24.9
	„ 4	554	15,471	27.9
	„ 5	70	1,900	27.1
	„ 6	15	488	32.5
	Total	1,440	40,288	28.0
South Pacific Ocean, pelagic	No. 1	160	4,842	30.3

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

