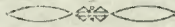


DET NORSKE HVALRÅDS STATISTISKE PUBLIKASJONER

INTERNATIONAL
WHALING STATISTICS

XXXVIII

EDITED BY
THE COMMITTEE FOR WHALING STATISTICS



OSLO 1957

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PRINTED BY
GRØNDAHL & SØN, OSLO

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P R E F A C E

The present publication, International Whaling Statistics No. XXXVIII, embraces the results of the Antarctic whaling during the season 1955-56.

The statistical data in this publication are based on the reports sent in to the Bureau of International Whaling Statistics.

Oslo, February 1957.

Gunnar Jahn.

Birger Bergersen.

Einar Vangstein.

INTRODUCTION

During the Antarctic season 1955-56 8 countries carried on whaling with 19 floating factories, 3 shore stations and a total of 278 catchers. The whaling matériel employed belonged to the participating countries as follows:—

Norway	9	floating factories,	1	shore station,	117	catchers
United Kingdom.....	3	"	"	1	"	"
Japan	3	"	"			40
Union of South Africa	1	"	"			15
The Netherlands	1	"	"			18
Panama	1	"	"			15
U.S.S.R.	1	"	"			15
Argentina				1	"	7

During the preceding season 1954-55 the same number of floating factories and shore stations were operating, but the number of catchers employed was 254. In 1955-56, however, the Dutch whaling company replaced their former floating factory "Willem Barendsz" of 10,635 gross tons with a new floating factory of the same name with a capacity of 26,830 gross tons.

All the countries participating in the Antarctic pelagic whaling season 1955-56 have ratified the International Whaling Convention.

At the meeting of the International Whaling Commission in Moscow in 1955 a number of alterations were made in the Schedule of the Convention. The maximum quota was reduced from 15,500 to 15,000 blue-whale units, the formerly preserved Pacific area between 70° West and 160° West was opened to pelagic hunting of baleen whales for 3 years and the opening date for pelagic hunting of blue-whales was fixed for February 1st.

The most important regulations concerning pelagic whaling during the season 1955-56 were as follows:

1. The open season for the taking of fin- and sei-whales was from January 7th.
2. The open season for the taking of blue-whales was from February 1st.
3. The open season for the taking of humpback whales was February 1st, 2nd, 3rd and 4th.

Table a.—Weekly catch of whales in blue-whale units,
according to telegraphic reports from the whaling grounds.

Season 1953—54.		Season 1954—55.		Season 1955—56.	
Week ending	Number of blue-whale units	Week ending	Number of blue-whale units	Week ending	Number of blue-whale units
2/1 1954	305.0	—	—	—	—
9/1 "	1,729.0	8/1 1955	742.0	7/1 1956	322.0
16/1 "	1,469.0	15/1 "	1,290.0	14/1 "	1,806.0
23/1 "	1,477.0	22/1 "	2,109.0	21/1 "	1,903.0
30/1 "	1,240.0	29/1 "	1,665.0	28/1 "	1,668.0
6/2 "	1,545.0	5/2 "	1,524.0	4/2 "	2,006.0
13/2 "	1,181.0	12/2 "	1,358.0	11/2 "	1,691.0
20/2 "	1,545.0	19/2 "	1,583.0	18/2 "	1,868.0
27/2 "	1,382.0	26/2 "	1,418.0	25/2 "	1,683.0
6/3 "	1,398.0	5/3 "	1,511.0	3/3 "	1,647.0
13/3 "	1,451.0	12/3 "	1,043.0	4/3 "	266.0
14/3—18/3 "	716.8	19/3 "	1,057.0		
Total	15,438.8	Total	15,300.0	Total	14,860.0

4. The season was open for the taking of baleen whales until the agreed quota of blue-whale units was reached, but not longer than to April 7th included.
5. The number of baleen whales taken during the open season in any waters south of 40° South Latitude by whale catchers attached to factory ships was not to exceed 15,000 blue-whale units. (As one blue-whale unit is reckoned 1 blue-whale or 2 fin-whales or 2¹/₂ humpbacks or 6 sei-whales).
6. It was forbidden to take:

blue-whales	under 70 feet	
fin-whales	"	57 "
sei-whales	"	40 "
humpbacks	"	35 "

Further it was forbidden to kill grey-whales, right-whales or female whales accompanied by a calf. The Convention also contained a provision enjoining full utilization of whales.

7. The taking of humpback whales was prohibited between 0° and 70° West.
8. The open season for sperm-whales was 8 months and the minimum size limit 38 feet.
9. Notification should be given within two days after the end of each calendar week, of data on the number of blue-whale units taken in any waters south of 40° South Latitude by all whale catchers attached to factory ships under the jurisdiction of each Contracting Government;

Table b.—Number and gross tonnage of floating factories and catchers engaged in pelagic whaling in the Antarctic 1943/44—1955/56.

Seasons	Floating factories			Catchers			
	Number	Gross tonnage	Average gross tonnage per fl. factory	Number	Gross tonnage	Average per catcher of:	
						Gross tonnage	I.H.P.
1943-44....	1	12,215	12,215	8	2,480	310	1,013
1944-45....	1	14,362	14,362	8	2,480	310	1,013
1945-46....	9	123,499	13,722	77	24,326	316	1,190
1946-47....	15	198,179	13,212	129	42,307	328	1,233
1947-48....	17	234,759	13,809	162	56,156	347	1,302
1948-49....	18	254,406	14,134	191	76,272	399	1,501
1949-50....	18	257,112	14,284	216	91,499	424	1,582
1950-51....	19	271,646	14,297	239	108,493	454	1,705
1951-52 ¹⁾ ..	19	289,120	15,217	263	124,374	473	1,774
1952-53....	16	238,448	14,903	230	113,608	494	1,862
1953-54....	17	261,898	15,406	206	102,525	498	1,874
1954-55....	19	286,205	15,063	233	119,011	511	1,933
1955-56....	19	305,765	16,093	257	131,881	513	1,945

¹⁾ Excl. fl.f. "Baikal Maru" with 5 catchers. Catch of sperm-whales only.

provided that when the number of blue-whale units was deemed by the Committee for International Whaling Statistics to have reached 13,500, notification should be given as aforesaid at the end of each day of data on the number of blue-whale units taken.

The land stations on South Georgia were allowed a 6 months' consecutive catching period, and were otherwise subject to the same provisions as stated in paragraphs 6 and 8 above, except that the minimum size limit for sperm-whales was 35 feet.

Table *a*, page 8, gives a survey of the weekly catch of baleen whales converted into blue-whale units during the last 3 seasons in accordance with the telegraphic reports from the grounds.

Pursuant to the regulations laid down in the International Convention the Committee for International Whaling Statistics received weekly reports of the catch in blue-whale units from the opening of the baleen whale season until the total catch amounted to about 13,500 units. From that time daily reports were sent in. Per February 28th the total catch amounted to 13,815 blue-whale units, and the Committee fixed the closing date for March 4th, midnight. On February 29th the expeditions were notified accordingly.

It will be seen from table *a* that the aggregate result amounted to 14,860 blue-whale units or 140 blue-whale units less than the permissible maximum quota. During the season 1955-56 the highest weekly catch in blue-whale units was 2,006, while the lowest weekly catch was 1,647 units. During the season 1954-55 the corresponding figures were 2,109 units and 1,043 units respectively.

According to the statistical data provided by the companies after the return of the expeditions from the grounds, the total catch of the pelagic expeditions amounted to:

1,611 blue-whales	=	1,611.0 blue-whale units
25,289 fin-whales	=	12,644.5 —»—
1,432 humpbacks	=	572.8 —»—
276 sei-whales	=	46.0 —»—

Total 28,608 whales = 14,874.3 blue-whale units

Table c.—Total Antarctic.

Years.	Species of whales caught.						Total of whales.	Oil production.	Expeditions.			Number of whales per boat.
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.			Shore stations.	Floating factories.	Catchers.	
1919-20	1,874	3,213	261	71	8	1 ¹⁾ 14	5,441	272,817	6	6	44	124
1920-21	2,617	5,491	260	36	31	1 ¹⁾ 13	8,448	390,627	6	8	47	180
1921-22	4,416	2,492	9	103	3	—	7,023	452,517	6	8	46	153
1922-23	5,683	3,677	517	10	23	—	9,910	614,547	6	13	60	165
1923-24	3,732	3,035	233	193	66	1 ¹⁾ 12	7,271	464,678	6	14	66	110
1924-25	5,703	4,366	359	1	59	—	10,488	697,091	6	13	65	161
1925-26	4,697	8,916	364	195	37	1 ¹⁾ 10	14,219	783,307	6	15	70	203
1926-27	6,545	5,102	189	778	39	1 ¹⁾ 12	12,665	872,362	6	17	80	158
1927-28	8,334	4,459	23	883	72	1 ¹⁾ 4	13,775	1,037,392	6	18	84	164
1928-29	12,734	6,689	48	808	62	—	20,341	1,631,340	6	26	111	183
1929-30	17,898	11,614	853	216	73	1 ¹⁾ 1	30,655	2,546,759	6	38	194	158
1930-31	29,410	10,017	576	145	51	1 ¹⁾ 2	40,201	3,608,348	6	41	232	173
1931-32	6,488	2,871	184	16	13	—	9,572	808,560	2	5	45	213
1932-33	18,891	5,168	159	2	107	—	24,327	2,456,462	1	17	118	206
1933-34	17,349	7,200	872	—	666	—	26,087	2,395,544	2	19	126	207
1934-35	16,500	12,500	1,965	266	577	—	31,808	2,453,999	2	23	153	208
1935-36	17,731	9,697	3,162	2	399	—	30,991	2,436,338	2	24	175	177
1936-37	14,304	14,381	4,477	490	926	1 ¹⁾ 1	34,579	2,658,108	2	30	196	176
1937-38	14,923	28,009	2,079	161	867	—	46,039	3,340,330	2	31	256	180
1938-39	14,081	20,784	883	22	2,585	1 ¹⁾ 1	38,356	2,820,771	2	34	281	136
1939-40	11,480	18,694	2	81	1,938	2 ¹⁾ 705	32,900	2,544,253	2	28	240	137
1940-41	4,943	7,831	2,675	110	804	—	16,363	1,100,008	1	11	93	176
1941-42	59	1,189	16	52	109	—	1,425	77,819	2	—	12	119
1942-43	125	776	—	73	24	—	998	50,960	1	—	6	166
1943-44	339	1,158	4	197	101	—	1,799	132,001	1	1	15	120
1944-45	1,042	1,666	60	78	45	—	2,891	223,540	1	1	15	193
1945-46	3,606	9,185	238	85	273	—	13,387	818,652	3	9	93	144
1946-47	9,192	14,547	29	393	1,431	1 ¹⁾ 1	25,593	1,939,742	3	15	147	174
1947-48	6,908	21,141	26	621	2,622	—	31,318	2,104,051	3	17	183	171
1948-49	7,625	19,123	31	578	4,078	—	31,435	2,219,621	3	18	212	148
1949-50	6,182	20,060	2,143	1,284	2,727	—	32,396	2,166,489	3	18	237	137
1950-51	7,048	19,456	1,638	886	4,968	3 ¹⁾ 1	33,997	2,303,690	3	19	260	131
1951-52	5,130	22,527	1,556	530	5,485	4 ¹⁾ 9	35,237	2,479,180	3	20	289	122
1952-53	3,870	22,867	963	621	2,332	—	30,653	2,118,097	3	16	251	122
1953-54	2,697	27,659	605	1,029	2,879	4 ¹⁾ 3	34,872	2,285,720	3	17	227	154
1954-55	2,176	28,624	495	569	5,790	—	37,654	2,242,555	3	19	254	148
1955-56	1,614	27,958	1,432	560	6,974	4 ¹⁾ 42	38,580	2,307,171	3	19	278	139

1) Right-whales. 2) 703 "Baleen-whales" no specification given, 2 right-whales. 3) Bottlenose. 4) Minke-whales.

From and including the season 1947-48 the official closing date for pelagic baleen whale operations has been determined by the Committee for International Whaling Statistics. The catch, converted into blue-whale units, in relation to the maximum quota during these seasons has been as follows:

Season	Catch in blue-whale units	Maximum quota— blue-whale units
1947-48	16,364.3	16,000
1948-49	16,007.4	16,000
1949-50	16,062.1	16,000
1950-51	16,416.2	16,000
1951-52	16,007.7	16,000
1952-53	14,866.6	16,000
1953-54	15,456.4	15,500
1954-55	15,323.5	15,500
1955-56	14,874.3	15,000
Total	<u>141,378.5</u>	<u>142,000</u>

During these 9 seasons the catch has been 621.5 blue-whale units or 0.44 per cent lower than the permissible maximum quota.

The whaling period and the number of catching days for the pelagic baleen whale operations from and including 1945-46 have been as follows:

Season		Catching days
1945-46	November 24th-March 24th	121
1946-47	December 8th-April 7th	121
1947-48	December 8th-March 31st	115
1948-49	December 15th-March 26th	102
1949-50	December 22nd-March 15th	84
1950-51	December 22nd-March 9th	78
1951-52	January 2nd-March 5th	64
1952-53	January 2nd-March 16th	74
1953-54	January 2nd-March 18th	76
1954-55	January 7th-March 19th	72
1955-56	January 7th-March 4th	58

During the season 1953-54 the whaling period for blue-whales opened on January 16th, during the season 1954-55 on January 21st and during the last season the opening date was February 1st. From and including the season 1953-54 the taking of humpbacks has been permitted during the period February 1st-4th only.

The baleen-whale season 1955-56 lasted 58 days only and was the shortest season ever recorded in the Antarctic waters. The previous season had 72 catching days.

Table *b*, page 9, shows the number of floating factories and catchers engaged in pelagic whaling from and including 1943-44, the average gross tonnage of the floating factories and the average gross tonnage and engine power of the catchers. The survey below gives the number of floating factories and the number of catchers engaged per floating factory from and including 1947-48:

Season	Number of floating factories	Average number of catchers per floating factory
1947-48	17	9.5
1948-49	18	10.6
1949-50	18	12.0
1950-51	19	12.6
1951-52	19	13.8
1952-53	16	14.4
1953-54	17	12.1
1954-55	19	12.3
1955-56	19	13.5

During the seasons prior to 1953-54 the whaling companies engaged a continually increasing number of catchers, and the new catchers being built were ever larger and more powerful. This resulted in a curtailment of the whaling period, but not in a larger catch, as the catch was limited to a definite number of blue-whale units. As far as the season 1953-54 was concerned an agreement restricting the number of catchers was acceded to by the British, Dutch, Japanese and Norwegian expeditions. The same companies made a similar agreement for the season 1954-55. Negotiations concerning an agreement for the season 1955-56 did not, however, lead to any result. During this season 19 floating factories employed 257 catchers compared with 233 during the season 1954-55. As shown in the survey above the average number of catchers per floating factory decreased from 14.4 during the season 1952-53 to 12.1 in 1953-54 and 12.3 in 1954-55, but increased to 13.5 during the last season. From table *b* it will be seen that the average engine capacity of the catchers increased from 1,302 I.H.P. in 1947-48 to 1,945 I.H.P. in 1955-56.

The total whaling results in the Antarctic from 1919-20 up to and including 1955-56 are given in table *c*, page 10. In table *d*, page 13, the results of the pelagic whaling during the same period have been recorded separately.

During the season 1955-56 the pelagic expeditions killed a total of 35,531 whales against 34,388 during the season 1954-55. The blue-whale

Table d.—Pelagic whaling in the Antarctic.¹

Years.	Species of whales caught.						Total of whales.	Oil production.	Expeditions.			Number of whales per boat.
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.			Shore stations.	Floating factories.	Catchers.	
1919-20	887	1,540	182	-	-	-	2,609	125,788	-	6	18	145
1920-21	1,761	2,848	157	-	-	-	4,766	213,490	1	8	26	183
1921-22	1,846	1,782	-	-	-	-	3,628	203,475	1	8	26	140
1922-23	2,114	2,232	197	-	4	-	4,547	266,994	1	12	37	123
1923-24	1,805	1,657	103	2	17	²⁾ 12	3,596	217,215	1	13	43	84
1924-25	2,191	2,347	97	-	35	-	4,670	290,915	1	12	41	114
1925-26	2,842	3,207	128	182	25	²⁾ 10	6,394	378,850	1	14	47	136
1926-27	2,856	3,958	189	413	22	²⁾ 12	7,450	455,070	1	16	57	131
1927-28	6,209	3,102	23	788	12	²⁾ 4	10,138	733,912	1	17	61	166
1928-29	11,174	3,559	33	412	31	-	15,209	1,282,711	1	25	88	173
1929-30	17,410	8,218	807	-	34	-	26,469	2,298,796	1	38	167	158
1930-31	28,325	8,601	510	1	27	²⁾ 1	37,465	3,420,410	1	41	205	183
1931-32	6,050	1,136	178	-	3	-	7,367	686,355	-	5	33	223
1932-33	18,624	4,441	159	-	107	-	23,331	2,401,879	-	17	112	208
1933-34	16,813	5,472	780	-	659	-	23,724	2,263,357	-	19	114	208
1934-35	15,944	11,664	1,928	141	556	-	30,233	2,345,858	-	23	143	211
1935-36	16,510	9,177	3,121	2	396	-	29,206	2,293,153	-	24	165	177
1936-37	14,183	13,302	4,460	19	856	²⁾ 1	32,821	2,576,479	-	30	184	178
1937-38	14,826	26,457	2,039	6	824	-	44,152	3,250,064	-	31	244	181
1938-39	13,849	19,477	883	3	2,468	²⁾ 1	36,681	2,709,281	-	34	270	136
1939-40	11,392	17,757	2	1	1,853	³⁾ 704	31,709	2,479,471	-	28	228	139
1940-41	4,936	7,084	2,675	22	778	-	15,495	1,055,510	-	11	88	176
1941-42	-	-	-	-	-	-	-	-	-	-	-	-
1942-43	-	-	-	-	-	-	-	-	-	-	-	-
1943-44	311	526	-	-	-	-	837	82,000	-	1	8	105
1944-45	914	679	-	2	-	-	1,595	148,000	-	1	8	199
1945-46	3,526	7,729	-	3	216	-	11,474	739,775	-	9	77	149
1946-47	8,865	12,877	1	2	1,298	-	23,043	1,794,424	-	15	129	179
1947-48	6,862	18,999	2	12	2,494	-	28,369	1,940,653	-	17	162	175
1948-49	7,399	17,201	13	16	3,865	-	28,494	2,047,427	-	18	191	149
1949-50	6,168	18,061	2,117	101	2,570	-	29,017	2,019,368	-	18	216	134
1950-51	6,966	17,474	1,630	367	4,742	⁴⁾ 1	31,180	2,152,498	-	19	239	130
1951-52	5,124	20,520	1,546	32	5,344	⁵⁾ 9	32,575	2,334,805	-	20	268	122
1952-53	3,866	21,197	954	123	2,185	-	28,325	1,998,094	-	16	230	123
1953-54	2,684	24,986	594	251	2,700	⁵⁾ 3	31,218	2,100,884	-	17	206	152
1954-55	2,163	25,878	493	146	5,708	-	34,388	2,061,789	-	19	233	148
1955-56	1,611	25,289	1,432	276	6,881	⁵⁾ 42	35,531	2,134,808	-	19	257	138

¹⁾ For the seasons 1919/20-1930/31 the catch in the Ross Sea and from South Shetland and South Orkney is included in the figures for pelagic whaling in the Antarctic. ²⁾ Right-whales. ³⁾ 703 "Baleen whales" no specification given, 1 right-whale. ⁴⁾ Bottlenose. ⁵⁾ Minke-whales.

catch amounted to 1,611, or 552 blue-whales less than during the previous season. The catch of fin-whales also decreased by approximately the same number of animals, viz. from 25,878 to 25,289. As regards the other species the catch increased during the season 1955-56. During the days February 1st-4th 1956 1,432 humpbacks were killed, against 493 during the same period in 1955, i.e. an increase of 939 humpbacks killed. The catch of sei-whales increased by 130 and the catch of sperm-whales by 1,173 animals as compared with the preceding season.

The oil production of the pelagic expeditions during the season 1955-56 amounted to 2,134,808 barrels, of which 1,797,069 barrels were whale-oil

Table e.—Average production per floating factory and catcher in the pelagic whaling in Antarctic 1928/29—1955/56 (exclusive of the war seasons).

I. Floating factories:

Seasons.	Total production of whale oil.	Total number of fl. fact.	Average production per fl. fact.	Catching days.		Total production per day for the whole fleet.	Average production per floating factory's day-work.
				Total.	Average.		
	Barrels.		Barrels.			Barrels.	Barrels.
1928-29	^{1) 2)} 1,282,281	25	51,291	3,762	150	8,549	341
1929-30	2,258,842	38	59,443	5,846	154	14,668	386
1930-31	3,384,048	41	82,538	6,940	169	20,024	488
1931-32	686,193	5	137,239	773	155	4,427	888
1932-33	2,395,042	17	140,885	2,470	145	16,518	970
1933-34	2,225,663	19	117,140	2,298	121	18,394	969
1934-35	2,312,702	23	100,552	2,831	123	18,802	817
1935-36	2,269,524	24	94,564	2,329	97	23,397	974
1936-37	2,527,026	30	84,234	2,881	96	26,323	877
1937-38	3,201,153	31	103,263	3,157	102	31,384	1,014
1938-39	2,564,506	34	75,427	3,273	96	26,714	784
1945-46	728,716	9	80,968	993	110	6,625	734
1946-47	1,728,370	15	115,225	1,667	111	15,571	1,037
1947-48	1,809,560	17	106,445	1,914	113	16,014	945
1948-49	1,844,867	18	102,493	1,818	101	18,266	1,015
1949-50	1,888,968	18	104,943	1,492	83	22,759	1,266
1950-51	1,909,640	19	100,507	1,471	77	24,801	1,298
1951-52	2,054,853	19	108,150	1,216	64	32,107	1,690
1952-53	1,884,207	16	117,763	1,184	74	25,462	1,591
1953-54	1,964,994	17	115,588	1,292	76	25,855	1,521
1954-55	1,780,067	19	93,688	1,356	71	25,071	1,313
1955-56	1,797,069	19	94,583	1,104	58	30,984	1,628

II. Catchers:

Seasons.	Total production of whale oil.	Total number of catchers.	Average production per catcher.	Catching days.		Average oil production per catcher's day-work.	Average number of whales caught ³⁾ per catcher's day-work
				Total.	Average per catcher.		
	Barrels.		Barrels.			Barrels.	
1928-29	^{1) 2)} 1,282,281	88	14,571	12,835	146	100	1.18
1929-30	2,258,842	163	13,858	25,049	154	90	1.01
1930-31	3,384,048	200	16,920	33,690	168	100	1.09
1931-32	686,193	33	20,794	5,149	156	133	1.43
1932-33	2,395,042	112	21,384	16,150	144	148	1.44
1933-34	2,225,663	114	19,523	13,725	120	162	1.68
1934-35	2,312,702	143	16,173	18,143	127	127	1.64
1935-36	2,269,524	165	13,755	16,173	98	140	1.78
1936-37	2,527,026	184	13,734	17,656	96	143	1.81
1937-38	3,201,153	244	13,119	24,897	102	129	1.74
1938-39	2,564,506	270	9,498	25,954	96	99	1.32
1945-46	728,716	77	9,464	8,253	107	88	1.36
1946-47	1,728,370	129	13,398	14,414	112	120	1.51
1947-48	1,809,560	162	11,170	17,747	110	102	1.46
1948-49	1,844,867	191	9,659	18,902	99	98	1.30
1949-50	1,888,968	216	8,745	18,128	84	104	1.46
1950-51	1,909,640	239	7,990	18,554	78	103	1.42
1951-52	2,054,853	263	7,813	16,902	64	122	1.61
1952-53	1,884,207	230	8,192	17,101	74	110	1.53
1953-54	1,964,994	206	9,539	15,630	76	126	1.82
1954-55	1,780,067	233	7,640	16,619	71	107	1.73
1955-56	1,797,069	257	6,992	14,893	58	121	1.92

¹⁾ Including the production from "Deception". ²⁾ Including the production of the aux. factory "Ole Wegger". ³⁾ Not including sperm-whales.

Table f.—Whales caught in the pelagic whaling. Percentage figures.

Years.	Species of whales caught.					
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Total.
	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.
1928-29.....	73.5	23.4	0.2	2.7	0.2	100
1929-30.....	65.8	31.0	3.1	—	0.1	100
1930-31.....	75.6	23.0	1.3	—	0.1	100
1931-32.....	82.1	15.4	2.4	—	0.1	100
1932-33.....	79.8	19.0	0.7	—	0.5	100
1933-34.....	70.9	23.1	3.3	—	2.7	100
1934-35.....	52.7	38.6	6.4	0.5	1.8	100
1935-36.....	56.5	31.4	10.7	—	1.4	100
1936-37.....	43.2	40.5	13.6	0.1	2.6	100
1937-38.....	33.5	59.9	4.6	0.1	1.9	100
1938-39.....	37.8	53.1	2.4	—	6.7	100
1939-40.....	36.7	57.3	—	—	6.0	100
1940-41.....	31.9	45.7	17.3	0.1	5.0	100
1943-44.....	37.2	62.8	—	—	—	100
1944-45.....	57.3	42.6	—	0.1	—	100
1945-46.....	30.7	67.4	—	—	1.9	100
1946-47.....	38.5	55.9	—	—	5.6	100
1947-48.....	24.2	67.0	—	—	8.8	100
1948-49.....	26.0	60.4	—	—	13.6	100
1949-50.....	21.3	62.2	7.3	0.3	8.9	100
1950-51.....	22.3	56.1	5.2	1.2	15.2	100
1951-52.....	15.7	63.0	4.8	0.1	16.4	100
1952-53.....	13.7	74.8	3.4	0.4	7.7	100
1953-54.....	8.6	80.0	1.9	0.8	8.7	100
1954-55.....	6.3	75.3	1.4	0.4	16.6	100
1955-56.....	4.5	71.3	4.0	0.8	19.4	100

and 337,739 barrels sperm-oil. During the previous season the total output of oil amounted to 2,061,789 barrels, of which 1,780,067 barrels were whale-oil and 281,722 barrels sperm-oil. This means an increase in the production of whale-oil of 17,000 barrels during the last season, in spite of the fact that the catch of baleen whales decreased by 449 blue-whale units from the season 1954-55.

Table e, page 14, gives a survey for a series of years of the average total and average daily production of whale-oil per floating factory and per catcher. This table also includes data showing the average number of baleen whales killed per catcher's day-work. When judging the whaling results on the basis of these figures, attention must be drawn to the variation in the number of floating factories and catchers employed, and to the considerable increase in the capacity of the whaling matériel in the post-war years.

Table f, above, illustrates the relation between the various species of whales killed in pelagic operations in the Antarctic from 1928-29. In 1955-56 4.5 per cent of the total number of whales killed were blue-whales as against 6.3 per cent in the preceding season and 8.6 per cent in 1953-54. Also the percentage of the fin-whale catch was reduced—from 80.0 per cent in 1953-54 to 75.3 in 1954-55 and 71.3 in 1955-56. These percentage

Table g.—Antarctic, pelagic whaling. Catch by months in absolute figures.

Species of whales, and seasons.	Nov.	Dec.	Jan.	Feb.	March.	April.	Total.	The Whal- ing Statis- tics' tota figures.	
<i>Total animals.</i>	1938-39..	1,362	10,138	12,618	9,978	2,569	—	1) 36,665	1) 36,681
	1947-48..	455	5,317	9,180	6,833	6,401	6	28,192	28,369
	1948-49..	848	5,151	9,776	7,393	5,164	1	28,333	28,494
	1949-50..	24	5,945	10,697	8,602	3,499	—	28,767	29,017
	1950-51..	1,028	6,075	10,603	10,751	2,475	—	30,932	31,179
	1951-52..	1,077	3,504	12,794	13,277	1,651	—	32,303	32,566
	1952-53..	64	1,444	12,302	9,764	4,465	—	28,039	28,325
	1953-54..	141	1,875	12,320	10,295	6,239	—	30,870	31,215
1954-55..	424	3,480	12,842	11,401	5,914	—	34,061	34,388	
1955-56..	665	4,183	13,813	14,750	1,846	—	35,257	35,489	
<i>Blue- whales.</i>	1938-39..	849	5,128	4,892	2,365	605	—	13,839	13,849
	1947-48..	2	2,295	1,968	1,481	1,099	—	6,845	6,862
	1948-49..	—	1,864	2,587	1,721	1,199	—	7,371	7,399
	1949-50..	—	627	2,620	2,124	761	—	6,132	6,168
	1950-51..	—	1,060	2,771	2,434	663	—	6,928	6,966
	1951-52..	—	1	2,325	2,495	280	—	5,101	5,124
	1952-53..	1	6	2,150	1,249	441	—	3,847	3,866
	1953-54..	—	1	567	1,365	734	—	2,667	2,684
1954-55..	—	—	645	965	544	—	2,154	2,163	
1955-56..	—	1	1	1,503	106	—	1,611	1,611	
<i>Fin- whales.</i>	1938-39..	64	3,608	6,956	7,057	1,792	—	19,477	19,477
	1947-48..	—	2,164	6,571	5,004	5,119	6	18,864	18,999
	1948-49..	—	1,885	6,416	5,114	3,666	—	17,081	17,201
	1949-50..	—	2,038	6,981	6,231	2,626	—	17,876	18,061
	1950-51..	—	2,435	7,267	6,055	1,539	—	17,296	17,474
	1951-52..	—	—	10,137	8,875	1,300	—	20,312	20,520
	1952-53..	1	5	9,940	7,400	3,618	—	20,964	21,197
	1953-54..	—	9	11,411	8,001	5,254	—	24,675	24,986
1954-55..	—	5	11,128	9,521	4,954	—	25,608	25,878	
1955-56..	—	1	12,733	11,047	1,321	—	25,102	25,289	
<i>Hump- backs.</i>	1938-39..	134	456	235	58	—	—	883	883
	1947-48..	1	1	—	—	—	—	2	2
	1948-49..	2	5	2	—	4	—	13	13
	1949-50..	—	1,425	679	1	—	—	2,105	2,117
	1950-51..	—	—	—	1,624	—	—	1,624	1,630
	1951-52..	—	1	—	1,531	—	—	1,532	1,546
	1952-53..	—	2	—	938	1	—	941	954
	1953-54..	—	—	—	587	6	—	593	594
1954-55..	—	3	2	487	—	—	492	493	
1955-56..	—	2	2	1,421	—	—	1,425	1,432	
<i>Sei- whales.</i>	1938-39..	—	—	—	—	1) 4	—	1) 4	1) 4
	1947-48..	—	—	—	—	12	—	12	12
	1948-49..	—	—	—	1	15	—	16	16
	1949-50..	—	—	2	21	78	—	101	101
	1950-51..	—	—	—	322	39	—	361	367
	1951-52..	—	—	9	21	1	—	31	32
	1952-53..	—	—	1	22	92	—	115	123
	1953-54..	—	—	60	147	42	—	249	251
1954-55..	—	—	7	95	43	—	145	146	
1955-56..	—	—	13	201	60	—	274	276	
<i>Sperm- whales.</i>	1938-39..	315	946	535	498	168	—	2,462	2,468
	1947-48..	452	857	641	348	171	—	2,469	2,494
	1948-49..	846	1,397	771	557	280	1	3,852	3,865
	1949-50..	24	1,855	415	225	34	—	2,553	2,570
	1950-51..	1,028	2,580	565	316	234	—	4,723	4,742
	1951-52..	1,077	3,502	323	355	70	—	5,327	5,344
	1952-53..	62	1,431	211	155	313	—	2,172	2,185
	1953-54..	141	1,865	282	195	203	—	2,686	2,700
1954-55..	424	3,472	1,060	333	373	—	5,662	5,708	
1955-56..	665	4,179	1,064	578	359	—	6,845	6,881	

1) 1 right-whale included.

Table h.—Antarctic, pelagic whaling. Catch by months in percentage figures.

Species of whales and seasons.	Nov.	Dec.	Jan.	Feb.	March.	April.	Total.	The Whaling Statistics' total figures.	
<i>Total animals</i>	1938-39	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	1947-48	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	
	
<i>Blue-whales</i>	1938-39	62.4	50.6	33.8	23.7	23.6	-	37.8	37.8
	1947-48	0.4	43.2	21.4	21.7	17.1	-	24.3	24.2
	1948-49	-	36.2	26.5	23.3	23.2	-	26.0	26.0
	1949-50	-	10.5	24.5	24.7	21.7	-	21.3	21.3
	1950-51	-	17.4	26.1	22.7	26.8	-	22.4	22.3
	1951-52	-	0.1	18.2	18.8	17.0	-	15.8	15.7
	1952-53	1.6	0.4	17.5	12.8	9.9	-	13.7	13.7
	1953-54	-	0.1	4.6	13.3	11.8	-	8.7	8.6
	1954-55	-	-	5.0	8.5	9.2	-	6.3	6.3
1955-56	-	-	-	10.2	5.7	-	4.6	4.5	
<i>Fin-whales</i>	1938-39	4.7	35.6	55.1	70.7	69.8	-	53.1	53.1
	1947-48	-	40.7	71.6	73.2	80.0	100.0	66.9	67.0
	1948-49	-	36.6	65.6	69.2	71.0	-	60.3	60.4
	1949-50	-	34.3	65.3	72.4	75.1	-	62.1	62.2
	1950-51	-	40.1	63.6	56.3	62.2	-	55.9	56.1
	1951-52	-	-	79.2	66.8	78.7	-	62.9	63.0
	1952-53	1.5	0.4	80.8	75.8	81.0	-	74.8	74.8
	1953-54	-	0.5	92.6	77.7	84.2	-	79.9	80.0
	1954-55	-	0.1	86.6	83.5	83.8	-	75.2	75.3
1955-56	-	-	92.2	74.9	71.6	-	71.2	71.3	
<i>Hump-backs</i>	1938-39	9.8	4.5	1.9	0.6	-	-	2.4	2.4
	1947-48	0.2	-	-	-	-	-	-	-
	1948-49	0.2	0.1	-	-	0.1	-	-	-
	1949-50	-	24.0	6.3	-	-	-	7.3	7.3
	1950-51	-	-	-	15.1	-	-	5.2	5.2
	1951-52	-	-	-	11.5	-	-	4.7	4.8
	1952-53	-	0.1	-	9.6	2.1	-	3.4	3.4
	1953-54	-	-	-	5.7	-	-	1.9	1.9
	1954-55	-	0.1	-	4.3	-	-	1.5	1.4
1955-56	-	0.1	-	9.6	-	-	4.0	4.0	
<i>Sei-whales</i>	1938-39	-	-	-	-	0.1	-	-	-
	1947-48	-	-	-	-	0.2	-	-	-
	1948-49	-	-	-	-	0.3	-	0.1	-
	1949-50	-	-	-	0.3	2.2	-	0.4	0.3
	1950-51	-	-	-	3.0	1.6	-	1.2	1.2
	1951-52	-	-	0.1	0.2	0.1	-	0.1	0.1
	1952-53	-	-	-	0.2	-	-	0.4	0.4
	1953-54	-	-	0.5	1.4	0.7	-	0.8	0.8
	1954-55	-	-	0.1	0.8	0.7	-	0.4	0.4
1955-56	-	-	0.1	1.4	3.3	-	0.8	0.8	
<i>Sperm-whales</i>	1938-39	23.1	9.3	4.2	5.0	6.5	-	6.7	6.7
	1947-48	99.4	16.1	7.0	5.1	2.7	-	8.8	8.8
	1948-49	99.8	27.1	7.9	7.5	5.4	100.0	13.6	13.6
	1949-50	100.0	31.2	3.9	2.6	1.0	-	8.9	8.9
	1950-51	100.0	42.5	5.3	2.9	9.4	-	15.3	15.2
	1951-52	100.0	99.9	2.5	2.7	4.2	-	16.5	16.4
	1952-53	96.9	99.1	1.7	1.6	7.0	-	7.7	7.7
	1953-54	100.0	99.4	2.3	1.9	3.3	-	8.7	8.7
	1954-55	100.0	99.8	8.3	2.9	6.3	-	16.6	16.6
1955-56	100.0	99.9	7.7	3.9	19.4	-	19.4	19.4	

Table i.—Average size of whales killed in the Antarctic, by whaling grounds and species of whales 1938/39 and 1945/46—1955/56.

Whaling grounds and species of whales.	1938-39	1945-46	1946-47	1947-48	1948-49	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
Pelagic whaling.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.
<i>Blue-whales.</i>												
Males	76.6	76.8	76.8	77.1	77.5	77.7	77.3	76.4	75.8	76.0	75.7	75.6
Females	79.5	79.9	79.7	79.9	80.8	80.7	79.4	79.5	79.1	79.6	79.5	78.9
Total animals.....	78.0	78.3	78.3	78.4	79.1	79.0	78.2	78.0	77.5	78.0	77.8	77.3
<i>Fin-whales.</i>												
Males	65.7	66.1	65.8	66.6	66.4	66.0	65.2	66.4	65.7	65.6	65.1	65.1
Females	68.9	69.2	69.0	69.6	69.6	69.1	68.2	69.4	68.8	68.7	68.0	68.1
Total animals.....	67.2	67.5	67.4	67.9	67.9	67.5	66.6	67.9	67.3	67.1	66.5	66.5
<i>Humpbacks.</i>												
Males	37.7	-	-	-	39.7	39.7	39.7	39.3	39.5	39.6	39.9	39.0
Females	40.5	-	48.0	46.0	42.5	41.4	41.6	41.4	42.0	41.1	41.8	40.7
Total animals.....	39.6	-	48.0	46.0	41.8	40.6	40.8	40.4	40.9	40.3	41.1	40.0
South Georgia.												
<i>Blue-whales, total ...</i>	75.8	73.4	77.1	76.3	76.3	74.3	76.9	72.0	74.0	73.3	73.0	81.3
<i>Fin-whales, total ...</i>	65.4	66.2	67.5	65.8	65.6	65.2	66.0	66.0	65.4	64.0	64.8	65.0
<i>Humpbacks, total ...</i>	-	41.5	38.6	41.4	40.2	40.0	40.1	39.8	40.1	39.4	40.0	-
<i>Sperm-whales, total..</i>	50.3	47.7	45.1	46.7	46.0	48.6	46.9	48.1	46.7	47.0	48.7	46.8

figures are, however, influenced by the sperm-whale catch, which has varied considerably during the last seasons. In 1955-56 19.4 per cent of all whales killed were sperm-whales, as against 16.6 per cent in 1954-55 and 8.7 per cent in 1953-54.

Table j.—Average size of whales killed, by species and sex 1938/39 and 1945/46—1955/56, excl. of blue-whales less than 70', fin-whales less than 60' and humpbacks less than 35'. Antarctic, pelagic whaling.

Species of whales.	1938-39	1945-46	1946-47	1947-48	1948-49	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56
	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.
<i>Blue-whales.</i>												
Males	77.3	77.2	77.6	77.6	77.9	78.2	77.8	77.1	76.3	76.4	76.1	76.1
Females	80.3	80.3	80.5	80.4	81.2	81.3	80.0	80.1	79.5	80.1	80.0	79.4
Total animals.....	78.8	78.7	79.1	79.0	79.5	79.6	78.8	78.6	78.0	78.5	78.2	77.9
<i>Fin-whales.</i>												
Males	66.5	66.4	66.4	67.1	66.9	66.7	66.3	66.7	66.0	65.9	65.9	65.2
Females	69.8	69.6	69.5	70.1	70.2	70.0	69.3	69.7	69.1	69.0	68.9	68.3
Total animals.....	68.1	67.8	68.0	68.4	68.5	68.3	67.8	68.1	67.6	67.4	67.4	66.7
<i>Humpbacks.</i>												
Males	38.1	-	-	-	39.7	40.1	40.1	39.6	39.7	39.7	40.0	39.1
Females	40.8	-	48.0	46.0	43.6	41.8	41.8	41.7	42.2	41.3	41.9	40.8
Total animals.....	40.0	-	48.0	46.0	42.6	41.0	41.1	40.7	41.1	40.5	41.1	40.1

In the following survey is stated the number of blue- and fin-whales killed and the correlation between the catch of these two most important species of baleen whales during a number of seasons:

Season	Blue-whales		Fin-whales	
	Number	Per cent	Number	Per cent
1930-31	28,325	76.7	8,601	23.3
1932-33	18,624	80.7	4,441	19.3
1936-37	14,183	51.6	13,302	48.4
1937-38	14,826	35.9	26,457	64.1
1938-39	13,849	41.6	19,477	58.4
1947-48	6,862	26.5	18,999	73.5
1948-49	7,399	30.1	17,201	69.9
1949-50	6,168	25.5	18,061	74.5
1950-51	6,966	28.5	17,474	71.5
1951-52	5,124	20.0	20,520	80.0
1952-53	3,866	15.4	21,197	84.6
1953-54	2,684	9.7	24,986	90.3
1954-55	2,163	7.7	25,878	92.3
1955-56	1,611	6.0	25,289	94.0

During the seasons previous to 1937-38 the predominant species of the baleen whales taken in Antarctic waters were blue-whales. During the seasons 1930-31 and 1932-33 about 80 per cent of the total blue- and fin-whale catch were blue-whales, whereas the number of blue-whales killed during the season 1955-56 only represented 6.0 per cent of the total blue- and fin-whale catch. The figures in the survey above do not give a correct picture of the presence of blue-whales at previous and present times. It will appear from the statistics of previous years recorded for pelagic whaling in the Antarctic that the presence of blue-whales is more abundant during the Antarctic spring months, i.e. October, November and December. Later in the season the fin-whale is the prevailing species. In order to obtain a larger oil output of the whale the opening day of the pelagic season has gradually been postponed ever since the early thirties. During post-war seasons the efforts of reducing the taxation of blue-whales have also contributed to this postponement of the whaling period. In the season 1955-56 the opening day of the blue-whale season was February 1st, while the blue-whale catch in 1932-33 commenced on October 20th.

In tables *g* and *h*, pages 16 and 17, the monthly catch of the various species of whales is recorded in absolute and percentage figures for a series of years. These figures show that the blue-whale catch in each month during the post-war seasons from and including 1947-48 has represented an ever smaller part of the total catch. Most of the figures are, however, to a great extent influenced by the above mentioned postponement and curtailment of the whaling period, viz. all the figures for the months of December and March as well as the January figures for the seasons 1953-54

and 1954-55. Only the month of January during the seasons 1947/48-1952/53 and the month of February during all seasons have been unaffected by the postponement of the whaling period, but also here the percentage figures for the blue-whale catch show a marked decrease.

The survey below gives a more correct basis of comparison between the blue-whale catch of later seasons and of previous years, showing the percentage proportion of blue-whales in relation to the total blue- and fin-whale catch during the period February 1st (incl.)—March 4th (incl.) for each season since 1931-32. During the said period whaling operations have been carried on at full capacity throughout all the seasons.

Season	Number of blue-whales killed Febr. 1st—March 4th	Blue-whales in per cent of all blue- and fin-whales killed Febr. 1st—March 4th
1931-32	1,013	61.9
1932-33	2,312	50.3
1933-34	1,781	46.6
1934-35	2,919	38.4
1935-36	3,569	50.8
1936-37	2,850	29.9
1937-38	2,342	16.5
1938-39	2,636	24.5
1945-46	1,326	31.9
1946-47	2,000	31.9
1947-48	1,654	22.9
1948-49	1,987	25.2
1949-50	2,423	25.7
1950-51	2,707	28.7
1951-52	2,731	25.9
1952-53	1,373	14.0
1953-54	1,500	14.0
1954-55	1,119	9.5
1955-56	1,609	11.5

While the percentage proportion of blue-whales in relation to the total blue- and fin-whale catch varied between 31.9 per cent and 22.9 per cent during the post-war seasons until and including 1951-52, there has been a strongly reduced blue-whale catch during the last seasons. In 1954-55 the percentage proportion of blue-whales reached a minimum figure of 9.5, but increased in 1955-56 to 11.5.

It should be noted that the number of blue-whales killed during the season 1955-56 also include blue-whales killed in area I, which was opened to hunting in this season. In area I 489 blue-whales were killed. In the other areas 1,122 blue-whales were killed. During the season 1954-55

Table k.—Antarctic, pelagic whaling. Catch of immature and mature whales 1938/39 and 1947/48—1955/56.

	1938—39.		1947—48.		1948—49.		1949—50.		1950—51.		1951—52.		1952—53.		1953—54.		1954—55.		1955—56.	
	Number of whales.	Per cent.	Number of whales.	Per cent.	Number of whales.	Per cent.	Number of whales.	Per cent.	Number of whales.	Per cent.	Number of whales.	Per cent.	Number of whales.	Per cent.	Number of whales.	Per cent.	Number of whales.	Per cent.	Number of whales.	Per cent.
Blue-whales.																				
Immature																				
males	1,940	27.8	870	24.6	797	20.6	650	19.1	875	23.3	778	31.7	677	36.8	409	33.5	374	37.4	289	37.4
females . . .	2,343	34.1	1,088	32.9	933	26.7	764	28.0	1,164	36.7	1,015	38.4	827	41.2	564	39.0	439	38.0	352	42.0
animals . . .	4,283	30.9	1,958	28.6	1,730	23.5	1,414	23.1	2,039	29.4	1,793	35.1	1,504	39.1	973	36.5	813	37.7	641	39.8
Mature																				
males	5,034	72.2	2,667	75.4	3,077	79.4	2,755	80.9	2,882	76.7	1,680	68.3	1,165	63.2	811	66.5	626	62.6	484	62.6
females . . .	4,522	65.9	2,220	67.1	2,564	73.3	1,963	72.0	2,007	63.3	1,628	61.6	1,178	58.8	883	61.0	715	62.0	486	58.0
animals . . .	9,556	69.1	4,887	71.4	5,641	76.5	4,718	76.9	4,889	70.6	3,308	64.9	2,343	60.9	1,694	63.5	1,341	62.3	970	60.2
Fin-whales.																				
Immature																				
males	2,097	20.2	1,241	11.9	1,215	13.7	1,557	16.8	2,037	22.7	1,495	14.2	2,151	20.6	2,593	20.4	3,348	26.3	3,169	24.7
females . . .	2,039	22.4	1,365	16.2	1,279	15.5	1,645	19.1	2,092	25.1	1,867	19.1	2,486	23.6	2,802	23.4	3,645	28.2	3,269	26.7
animals . . .	4,136	21.2	2,606	13.8	2,494	14.6	3,202	17.9	4,129	23.9	3,362	16.6	4,637	22.1	5,395	21.9	6,993	27.3	6,438	25.7
Mature																				
males	8,297	79.8	9,216	88.1	7,627	86.3	7,726	83.2	6,919	77.3	9,025	85.8	8,296	79.4	10,106	79.6	9,358	73.7	9,688	75.3
females . . .	7,044	77.6	7,042	83.8	6,960	84.5	6,948	80.9	6,248	74.9	7,925	80.9	8,031	76.4	9,174	76.6	9,257	71.8	8,976	73.3
animals . . .	15,341	78.8	16,258	86.2	14,587	85.4	14,674	82.1	13,167	76.1	16,950	83.4	16,327	77.9	19,280	78.1	18,615	72.7	18,664	74.3
Humpbacks.																				
Immature																				
males	182	69.2	—	—	2	66.7	400	41.1	298	43.4	347	48.9	207	50.7	159	52.1	87	43.5	341	56.9
females . . .	310	50.0	—	—	4	40.0	424	37.5	315	33.6	330	40.1	183	34.3	132	45.8	107	36.6	392	47.5
animals . . .	492	55.7	—	—	6	46.1	824	39.1	613	37.7	677	44.2	390	41.4	291	49.1	194	39.4	733	51.4
Mature																				
males	81	30.8	—	—	1	33.3	573	58.9	388	56.6	363	51.1	201	49.3	146	47.9	113	56.5	258	43.1
females . . .	310	50.0	2	100.00	6	60.0	708	62.5	623	66.4	492	59.9	350	65.7	156	54.2	185	63.4	434	52.5
animals . . .	391	44.3	2	100.00	7	53.9	1,281	60.9	1,011	62.3	855	55.8	551	58.6	302	50.9	298	60.6	692	48.6

Table I.—Number and average size of whales caught

No.	Species of whales. Seasons.	Area II.			Area III.			Area IV.		
		Number of whales caught.	Per cent.	Average size of the whales. Eng. ft.	Number of whales caught.	Per cent.	Average size of the whales. Eng. ft.	Number of whales caught.	Per cent.	Average size of the whales. Eng. ft.
Blue-whales.										
1	1931/32-1937/38	¹⁾ 17,214	16.7	79.0	48,125	46.8	78.4	37,210	36.2	80.2
2	1938-39	3,454	25.0	79.0	4,455	32.2	77.0	4,915	35.5	77.9
3	1939-40	3,441	61.9	78.2	734	13.2	76.8	1,386	24.9	78.7
4	1940/41-1944/45	2,106	90.8	77.9	214	9.2	78.5	-	-	-
5	1945-46	599	17.0	78.3	2,917	83.0	78.3	-	-	-
6	1946-47	1,857	21.0	78.6	2,968	33.5	78.4	3,346	37.7	78.1
7	1947-48	1,536	22.5	76.7	1,890	27.6	78.6	1,952	28.5	79.4
8	1948-49	2,022	27.4	78.6	2,981	40.4	79.3	1,325	18.0	79.1
9	1949-50	1,064	17.3	78.4	1,512	24.7	78.5	925	15.1	78.9
10	1950-51	1,559	22.5	77.4	1,427	20.6	77.8	1,076	15.5	77.7
11	1951-52	447	8.8	78.2	1,836	36.0	79.2	1,199	23.5	77.7
12	1952-53	727	18.9	78.9	1,454	37.8	77.7	837	21.8	77.0
13	1953-54	542	20.3	78.1	1,569	58.8	78.2	356	13.4	77.2
14	1954-55	470	21.8	79.0	685	31.8	78.1	310	14.4	77.6
15	1955-56	440	27.3	77.1	300	18.6	78.8	322	20.0	77.7
	1931/32-1955/56	37,478	20.9	78.6	73,067	40.7	78.4	55,159	30.7	79.6
Fin-whales.										
1	1931/32-1937/38	²⁾ 25,970	36.3	67.8	31,251	43.6	67.7	14,373	20.1	68.7
2	1938-39	6,252	32.1	67.4	5,710	29.3	66.4	5,540	28.5	67.5
3	1939-40	7,840	73.7	67.4	2,218	20.9	66.9	574	5.4	67.5
4	1940/41-1944/45	2,039	97.7	66.5	49	2.3	67.4	-	-	-
5	1945-46	4,901	63.6	67.7	2,800	36.4	67.1	-	-	-
6	1946-47	4,655	36.2	66.7	4,382	34.0	68.5	3,355	26.1	67.3
7	1947-48	6,136	32.5	68.1	6,483	34.4	67.8	4,654	24.7	67.9
8	1948-49	4,995	29.2	67.4	6,457	37.8	68.5	3,068	18.0	67.4
9	1949-50	7,150	40.0	67.5	5,117	28.6	67.5	2,940	16.5	66.6
10	1950-51	5,543	32.1	66.5	4,133	23.9	66.2	4,210	24.3	66.5
11	1951-52	5,977	29.4	67.9	7,122	35.1	68.1	2,141	10.5	67.3
12	1952-53	4,551	21.7	68.1	11,364	54.2	67.1	1,449	6.9	66.2
13	1953-54	7,751	31.4	67.4	11,459	46.4	67.0	2,195	8.9	67.0
14	1954-55	4,963	19.4	67.3	13,607	53.1	66.4	2,790	10.9	66.4
15	1955-56	6,744	26.9	66.2	7,088	28.2	66.8	3,208	12.8	66.5
	1931/32-1955/56	105,467	33.8	67.4	119,240	38.2	67.3	50,497	16.2	67.5
Humpbacks.										
1	1931/32-1937/38	³⁾ 1,057	8.4	41.0	6,209	49.1	40.8	5,384	42.5	40.7
2	1938-39	-	-	-	-	-	-	859	97.3	39.6
3	1940-41	231	82.8	42.6	48	17.2	41.2	-	-	-
4	1946/47-1948/49	6	37.5	44.0	9	56.3	41.7	1	6.2	45.0
5	1949-50	172	8.2	41.0	251	11.9	41.4	779	37.0	40.4
6	1950-51	264	16.3	41.4	20	1.2	38.8	1,112	68.5	40.5
7	1951-52	33	2.2	42.9	189	12.3	42.0	1,127	73.6	39.9
8	1952-53	14	1.5	44.6	218	23.2	41.2	191	20.3	39.1
9	1953-54	13	2.2	41.2	172	29.0	41.0	258	43.5	39.3
10	1954-55	2	0.4	42.5	142	28.9	41.4	-	-	-
11	1955-56	-	-	-	64	4.5	41.1	824	57.8	39.8
	1931/32-1955/56	1,792	7.9	41.3	7,322	32.5	40.8	10,535	46.7	40.4

¹⁾ Incl. 608 blue-whales, length not stated. ²⁾ Incl. 193 fin-whales, length not stated. ³⁾ Incl. 2 humpbacks

in the different areas of Antarctic. Pelagic whaling.

Area V.			Area I.			All areas.			The Whaling Statistics' total figures for whales caught.	No.
Number of whales caught.	Per cent.	Average size of the whales.	Number of whales caught.	Per cent.	Average size of the whales.	Number of whales caught.	Per cent.	Average size of the whales.		
		Eng. ft.			Eng. ft.			Eng. ft.		
311	0.3	80.5	3	-	75.3	102,863	100	79.2	102,950	1
1,015	7.3	79.7	-	-	-	13,839	100	78.0	13,849	2
-	-	-	-	-	-	5,561	100	78.2	11,392	3
-	-	-	-	-	-	2,320	100	77.9	6,161	4
-	-	-	-	-	-	3,516	100	78.3	3,526	5
693	7.8	77.6	-	-	-	8,864	100	78.3	8,865	6
1,467	21.4	78.7	-	-	-	6,845	100	78.4	6,862	7
1,043	14.2	79.2	-	-	-	7,371	100	79.1	7,399	8
2,631	42.9	79.6	-	-	-	6,132	100	79.0	6,168	9
2,866	41.4	79.2	-	-	-	6,928	100	78.2	6,966	10
1,619	31.7	76.9	-	-	-	5,101	100	78.0	5,124	11
829	21.5	76.6	-	-	-	3,847	100	77.5	3,866	12
200	7.5	77.3	-	-	-	2,667	100	78.0	2,684	13
689	32.0	76.6	-	-	-	2,154	100	77.8	2,163	14
60	3.7	76.7	489	30.4	76.3	1,611	100	77.3	1,611	15
13,423	7.5	78.6	492	0.2	76.3	179,619	100	78.8	189,586	
18	-	69.6	2	-	65.5	71,614	100	67.9	71,649	1
1,975	10.1	68.1	-	-	-	19,477	100	67.2	19,477	2
-	-	-	-	-	-	10,632	100	67.3	17,757	3
-	-	-	-	-	-	2,088	100	66.6	8,289	4
-	-	-	-	-	-	7,701	100	67.5	7,729	5
478	3.7	65.9	-	-	-	12,870	100	67.4	12,877	6
1,591	8.4	67.9	-	-	-	18,864	100	67.9	18,999	7
2,561	15.0	68.2	-	-	-	17,081	100	67.9	17,201	8
2,669	14.9	68.2	-	-	-	17,876	100	67.5	18,061	9
3,410	19.7	67.7	-	-	-	17,296	100	66.6	17,474	10
5,072	25.0	67.8	-	-	-	20,312	100	67.9	20,520	11
3,600	17.2	67.3	-	-	-	20,964	100	67.3	21,197	12
3,270	13.3	66.8	-	-	-	24,675	100	67.1	24,986	13
4,245	16.6	66.1	3	-	64.3	25,608	100	66.5	25,878	14
1,741	6.9	66.0	6,321	25.2 ³⁾	66.8	25,102	100	66.5	25,289	15
30,630	9.8	67.3	6,326	2.0	66.8	312,160	100	67.4	327,383	
4	-	43.0	-	-	-	12,654	100	40.7	12,665	1
24	2.7	39.8	-	-	-	883	100	39.6	883	2
-	-	-	-	-	-	279	100	42.4	2,675	3
-	-	-	-	-	-	16	100	42.8	16	4
903	42.9	40.5	-	-	-	2,105	100	40.6	2,117	5
228	14.0	41.8	-	-	-	1,624	100	40.8	1,630	6
183	11.9	41.6	-	-	-	1,532	100	40.4	1,546	7
518	55.0	41.4	-	-	-	941	100	40.9	954	8
150	25.3	41.3	-	-	-	593	100	40.3	594	9
348	70.7	40.9	-	-	-	492	100	41.1	493	10
467	32.8	40.1	70	4.9	40.2	1,425	100	40.0	1,432	11
2,825	12.5	40.9	70	0.4	40.2	22,544	100	40.7	25,007 ⁴⁾	

length not stated. ⁴⁾ 2 humpbacks caught in the season 1939/40 are included.

Table m.—Number of whales killed during the seasons 1931/32—1955/56.

— 1 —

Areas	Blue-whales		Fin-whales		Humpbacks		Sperm-whales		Total	
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
II	37,478	20.9	105,467	33.8	1,792	7.9	8,553	19.2	153,290	27.4
III	73,067	40.7	119,240	38.2	7,322	32.5	18,407	41.3	218,036	39.0
IV	55,159	30.7	50,497	16.2	10,535	46.7	10,973	24.6	127,164	22.8
V	13,423	7.5	30,630	9.8	2,825	12.5	5,851	13.1	52,729	9.4
I	492	0.2	6,326	2.0	70	0.4	782	1.8	7,670	1.4
Total	179,619	100.0	312,160	100.0	22,544	100.0	44,566	100.0	558,889	100.0

— 2 —

Species of whales	Area II		Area III		Area IV		Area V		Area I		Total	
	No. of whales	Per cent	No. of whales	Per cent	No. of whales	Per cent	No. of whales	Per cent	No. of whales	Per cent	No. of whales	Per cent
Blue.....	37,478	24.4	73,067	33.5	55,159	43.4	13,423	25.4	492	6.4	179,619	32.1
Fin.....	105,467	68.8	119,240	54.7	50,497	39.7	30,630	58.1	6,326	82.5	312,160	55.9
Humpback	1,792	1.2	7,322	3.4	10,535	8.3	2,825	5.4	70	0.9	22,544	4.0
Sperm....	8,553	5.6	18,407	8.4	10,973	8.6	5,851	11.1	782	10.2	44,566	8.0
Total.....	153,290	100.0	218,036	100.0	127,164	100.0	52,729	100.0	7,670	100.0	558,889	100.0

2,154 blue-whales were killed in areas II–V. Comparing the blue-whale catch within the same period of the two seasons, as done in the survey on page 20, it will appear that the number of blue-whales killed in 1954–55 was 1,119, or approximately the same as in 1955–56, when the figure was 1,122.

The average size of blue-whales, fin-whales and humpbacks killed in the pelagic whaling and off South Georgia has been specified for all the post-war seasons in table *i*, page 18. In the pelagic operations the average size of the blue-whales killed declined by 0.5 ft. in 1955–56 as compared with the previous season, while the average size of the fin-whales killed was the same. The average size of the humpbacks killed was 40 ft., against 41.1 ft. in the season 1954–55. For the seasons covered by the table the minimum length settled for blue-whales and humpbacks has been 70 ft. and 35 ft. respectively. The minimum length settled for fin-whales was 55 ft. until and including the season 1950–51, during the 3 successive seasons 60 ft. and during the last two seasons 57 ft. In order to eliminate the possible influence which a variation in the legal size and in the number of undersized whales killed might have on the average size, table *j*, on page 18, has been prepared. This table records the average size of blue-whales of 70 ft. and over, fin-whales of 60 ft. and over, and humpbacks of 35 ft. and over. The average size of blue-whales (of 70 ft. and over) and

Table n.—Antarctic, pelagic whaling results for the various countries 1937/38—1955/56.

Seasons	All countries			Norway			British Commonwealth			Of which						Japan		
	Number of whales killed	Oil production	Catchers employed	Number of whales killed	Oil production	Catchers employed	Number of whales killed	Oil production	Catchers employed	United Kingdom			Union of South Africa			Number of whales killed	Oil production	Catchers employed
										Number of whales killed	Oil production	Catchers employed	Number of whales killed	Oil production	Catchers employed			
		Barrels ¹			Barrels			Barrels			Barrels		Barrels			Barrels		
1937-38	44,152	3,250,064	244	²⁾ 14,960	³⁾ 1,157,993	83	15,286	1,114,865	80	12,461	921,192	64	2,825	193,673	16	5,582	388,683	30
1938-39	36,681	2,709,281	270	²⁾ 11,521	³⁾ 842,712	90	10,541	847,127	74	9,371	746,182	65	1,170	100,945	9	7,540	483,476	49
1939-40	31,709	2,479,471	228	11,040	909,790	79	11,279	856,819	81	9,389	737,909	65	1,890	118,910	16	6,990	538,862	51
1946-47	23,043	1,794,424	129	11,766	937,318	57	8,946	671,501	44	6,380	466,622	32	2,566	204,879	12	1,175	73,295	12
1947-48	28,369	1,940,653	162	14,678	995,115	85	10,249	697,096	49	7,291	516,040	35	2,958	181,056	14	1,324	104,912	12
1948-49	28,494	2,047,427	191	15,209	1,050,100	101	9,169	694,802	54	6,561	534,034	40	2,608	160,728	14	1,643	119,361	14
1949-50	29,017	2,019,368	216	15,556	1,048,432	119	8,478	615,997	56	6,596	470,699	41	1,882	145,298	15	2,114	168,754	16
1950-51	31,180	2,152,498	239	15,873	1,062,260	124	7,718	579,666	58	5,177	417,755	43	2,541	161,911	15	2,741	170,596	18
1951-52	32,575	2,334,805	268	14,763	1,088,085	132	8,455	632,224	61	5,961	446,262	45	2,494	185,962	16	3,831	259,476	32
1952-53	28,325	1,998,094	230	10,381	767,960	95	8,633	599,670	62	6,173	449,215	46	2,460	150,455	16	2,645	207,335	30
1953-54	31,218	2,100,884	206	13,632	963,085	100	8,571	618,409	53	6,345	471,138	40	2,226	147,271	13	4,218	252,677	26
1954-55	34,388	2,061,789	233	13,428	809,488	101	8,352	500,679	53	6,656	400,870	40	1,696	99,809	13	5,958	366,915	36
1955-56	35,531	2,134,808	257	13,371	788,554	110	8,530	519,240	59	6,346	409,701	44	2,184	109,539	15	6,462	408,853	40

Seasons	Germany			Panama			United States of America			Netherlands			U.S.S.R.		
	Number of whales killed	Oil production	Catchers employed	Number of whales killed	Oil production	Catchers employed	Number of whales killed	Oil production	Catchers employed	Number of whales killed	Oil production	Catchers employed	Number of whales killed	Oil production	Catchers employed
1937-38	5,237	356,858	33	1,527	117,650	10	1,560	114,015	8	-	-	-	-	-	-
1938-39	5,066	374,149	41	907	68,853	8	1,106	92,964	8	-	-	-	-	-	-
1939-40	-	-	-	1,421	113,000	8	979	61,000	9	-	-	-	-	-	-
1946-47	-	-	-	-	-	-	-	-	-	770	77,310	8	386	35,000	8
1947-48	-	-	-	-	-	-	-	-	-	1,294	85,130	8	824	58,400	8
1948-49	-	-	-	-	-	-	-	-	-	1,366	109,849	10	1,107	73,335	12
1949-50	-	-	-	-	-	-	-	-	-	1,295	82,792	11	1,574	103,393	14
1950-51	-	-	-	1,497	126,522	12	-	-	-	1,660	103,560	12	1,691	109,894	15
1951-52	-	-	-	1,408	97,073	16	-	-	-	1,650	110,300	12	2,468	147,647	15
1952-53	-	-	-	2,365	164,150	16	-	-	-	1,575	103,710	12	2,726	155,269	15
1953-54	-	-	-	-	-	-	-	-	-	1,711	97,596	12	3,086	169,117	15
1954-55	-	-	-	2,512	147,880	16	-	-	-	848	64,739	12	3,290	172,088	15
1955-56	-	-	-	2,730	160,960	15	-	-	-	1,665	103,465	18	2,773	153,736	15

¹⁾ Barrel = 170 kg. (Barrel = abt. 1/6 long ton. 1 long ton = 1,016 kg.) ²⁾ Including the catch of two Norwegian expeditions hired by Germany—in 1937-38 2,153 whales and in 1938-39 1,658 whales. ³⁾ Incl. the production of two Norwegian expeditions hired by Germany—in 1937-38 180,750 barrels and in 1938-39 118,880 barrels.

Table o.—South Georgia.

Years.	Species of whales caught.							Oil production.	Expeditions.			Number of whales per boat.
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.	
								Barrels.				
1919-20	987	1,673	79	71	8	1) ¹ 14	2,832	147,029	6	—	26	109
1920-21	856	2,643	103	36	31	1) ¹ 13	3,682	177,137	5	—	21	175
1921-22	2,570	710	9	103	3	—	3,395	249,042	5	—	20	170
1922-23	3,569	1,445	320	10	19	—	5,363	347,553	5	1	23	233
1923-24	1,927	1,378	130	191	49	—	3,675	247,463	5	1	23	160
1924-25	3,512	2,019	262	1	24	—	5,818	406,176	5	1	24	242
1925-26	1,855	5,709	236	13	12	—	7,825	404,457	5	1	23	340
1926-27	3,689	1,144	—	365	17	—	5,215	417,292	5	1	23	227
1927-28	2,125	1,357	—	95	60	—	3,637	303,480	5	1	23	158
1928-29	1,560	3,130	15	396	31	—	5,132	348,629	5	1	23	223
1929-30	488	3,396	46	216	39	1) ¹ 1	4,186	247,963	5	—	27	155
1930-31	1,085	1,416	66	144	24	1) ¹ 1	2,736	187,938	5	—	27	101
1931-32	438	1,735	6	16	10	—	2,205	122,205	2	—	12	184
1932-33	267	727	—	2	—	—	996	54,583	1	—	6	166
1933-34	536	1,728	92	—	7	—	2,363	132,187	2	—	12	197
1934-35	556	836	37	125	21	—	1,575	108,141	2	—	10	158
1935-36	1,221	520	41	—	3	—	1,785	143,185	2	—	10	179
1936-37	121	1,079	17	471	70	—	1,758	81,629	2	—	12	147
1937-38	97	1,552	40	155	43	—	1,887	90,266	2	—	12	157
1938-39	232	1,307	—	19	117	—	1,675	111,490	2	—	11	152
1939-40	88	937	—	80	85	1) ¹ 1	1,191	64,782	2	—	12	99
1940-41	7	747	—	88	26	—	868	44,498	1	—	5	174
1941-42	59	1,189	16	52	109	—	1,425	77,819	2	—	12	119
1942-43	125	776	—	73	24	—	998	50,960	1	—	6	166
1943-44	28	632	4	197	101	—	962	50,001	1	—	7	137
1944-45	128	987	60	76	45	—	1,296	75,540	1	—	7	185
1945-46	80	1,456	238	82	57	—	1,913	78,877	3	—	16	120
1946-47	327	1,670	28	391	133	1) ¹ 1	2,550	145,318	3	—	18	142
1947-48	46	2,142	24	609	128	—	2,949	163,398	3	—	21	140
1948-49	226	1,922	18	562	213	—	2,941	172,194	3	—	21	140
1949-50	14	1,999	26	1,183	157	—	3,379	147,121	3	—	21	161
1950-51	82	1,982	8	519	226	—	2,817	151,192	3	—	21	134
1951-52	6	2,007	10	498	141	—	2,662	144,375	3	—	21	127
1952-53	4	1,670	9	498	147	—	2,328	120,003	3	—	21	111
1953-54	13	2,673	11	778	179	—	3,654	184,836	3	—	21	174
1954-55	13	2,746	2	423	82	—	3,266	180,766	3	—	21	156
1955-56	3	2,669	—	284	93	—	3,049	172,363	3	—	21	145

¹⁾ Right-whale.

fin-whales (of 60 ft. and over) killed during the last season is the lowest recorded during the seasons covered by the table.

Table *k*, page 21, gives particulars of the catch of mature and immature whales in absolute and relative figures during a series of seasons.

Animals of the following sizes are regarded as mature:

Blue-whales: Female	.....	77 feet and over
Male	.....	74 —,—
Fin-whales: Female	.....	65 —,—
Male	.....	63 —,—
Humpbacks: Female	.....	41 —,—
Male	.....	40 —,—

Table p.—South Georgia. Catch by months in absolute figures.

Species of whales and seasons.	Oct.	Nov.	Dec.	Jan.	Feb.	March.	April.	Total.	The Whaling Statistics' total figures.	
<i>Total animals.</i>	1938-39.....	51	240	453	332	218	343	38	1,675	1,675
	1947-48.....	272	440	662	657	433	378	107	2,949	2,949
	1948-49.....	204	359	532	668	638	436	104	2,941	2,941
	1949-50.....	106	344	823	951	500	512	120	3,356	3,379
	1950-51.....	245	346	472	432	405	707	210	2,817	2,817
	1951-52.....	59	550	547	488	651	222	113	2,630	2,662
	1952-53.....	148	441	301	539	346	425	70	2,270	2,328
	1953-54.....	268	508	604	880	762	453	115	3,590	3,654
1954-55.....	607	716	506	443	399	510	-	3,181	3,266	
1955-56.....	371	391	266	757	572	644	-	3,001	3,049	
<i>Blue-whales.</i>	1938-39.....	-	7	131	35	24	32	3	232	232
	1947-48.....	1	2	3	18	3	18	1	46	46
	1948-49.....	40	100	5	16	16	2	-	226	226
	1949-50.....	2	3	4	-	-	4	1	14	14
	1950-51.....	2	5	42	22	4	7	-	82	82
	1951-52.....	-	2	-	-	2	2	-	6	6
	1952-53.....	-	-	1	-	-	-	3	4	4
	1953-54.....	1	1	6	4	-	1	-	13	13
1954-55.....	1	-	7	2	2	1	-	13	13	
1955-56.....	1	-	1	-	-	1	-	3	3	
<i>Fin-whales.</i>	1938-39.....	51	232	318	292	189	211	14	1,307	1,307
	1947-48.....	265	433	631	550	112	112	39	2,142	2,142
	1948-49.....	151	244	468	616	223	197	23	1,922	1,922
	1949-50.....	90	328	791	602	93	51	22	1,977	1,999
	1950-51.....	234	333	421	405	156	365	68	1,982	1,982
	1951-52.....	58	542	527	436	314	84	16	1,977	2,007
	1952-53.....	144	422	293	387	194	150	25	1,615	1,670
	1953-54.....	266	505	577	677	443	143	6	2,617	2,673
1954-55.....	599	709	476	403	240	242	-	2,669	2,746	
1955-56.....	366	386	262	695	425	487	-	2,621	2,669	
<i>Hump-backs.</i>	1938-39.....	-	-	-	-	-	-	-	-	-
	1947-48.....	-	1	12	8	2	1	-	24	24
	1948-49.....	1	6	4	5	1	1	-	18	18
	1949-50.....	-	3	13	5	4	1	-	26	26
	1950-51.....	2	3	2	-	-	1	-	8	8
	1951-52.....	-	-	9	1	-	-	-	10	10
	1952-53.....	1	4	1	-	-	3	-	9	9
	1953-54.....	-	-	2	6	1	2	-	11	11
1954-55.....	-	2	-	-	-	-	-	2	2	
1955-56.....	-	-	-	-	-	-	-	-	-	
<i>Sei-whales.</i>	1938-39.....	-	-	-	-	-	13	6	19	19
	1947-48.....	-	-	-	57	302	188	62	609	609
	1948-49.....	-	-	-	18	310	174	60	562	562
	1949-50.....	-	-	-	305	393	398	87	1,183	1,183
	1950-51.....	-	-	-	2	222	205	90	519	519
	1951-52.....	1	2	-	37	307	103	46	496	498
	1952-53.....	-	-	-	137	147	185	26	495	498
	1953-54.....	-	-	1	177	294	213	86	771	778
1954-55.....	1	-	1	29	153	232	-	416	423	
1955-56.....	-	-	-	31	132	121	-	284	284	
<i>Sperm-whales.</i>	1938-39.....	-	1	4	5	5	87	15	117	117
	1947-48.....	6	4	16	24	14	59	5	128	128
	1948-49.....	12	9	8	13	88	62	21	213	213
	1949-50.....	14	10	15	39	10	58	10	156	157
	1950-51.....	7	5	7	3	23	129	52	226	226
	1951-52.....	-	4	11	14	28	33	51	141	141
	1952-53.....	3	15	6	15	5	87	16	147	147
	1953-54.....	1	2	18	16	24	94	23	178	179
1954-55.....	6	5	22	9	4	35	-	81	82	
1955-56.....	4	5	3	31	15	35	-	93	93	

Table q.—South Georgia. Catch by months in percentage figures.

Species of whales and seasons.		Oct.	Nov.	Dec.	Jan.	Feb.	March.	April.	Total.	The Whaling Statistics' total figures.
<i>Total animals</i>	1938-39	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	1947-48	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

<i>Blue-whales</i>	1938-39	-	2.9	28.9	10.5	11.0	9.3	7.9	13.9	13.9
	1947-48	0.4	0.5	0.5	2.7	0.7	4.8	0.9	1.6	1.6
	1948-49	19.6	27.8	9.8	2.4	2.5	0.5	-	7.7	7.7
	1949-50	1.9	0.9	0.5	-	-	0.8	0.8	0.4	0.4
	1950-51	0.8	1.4	8.9	5.1	1.0	1.0	-	2.9	2.9
	1951-52	-	0.4	-	-	0.3	0.9	-	0.2	0.2
	1952-53	-	-	0.3	-	-	-	4.3	0.2	0.2
	1953-54	0.4	0.2	1.0	0.5	-	0.2	-	0.4	0.4
	1954-55	0.2	-	1.4	0.5	0.5	0.2	-	0.4	0.4
1955-56	0.3	-	0.4	-	-	0.2	-	0.1	0.1	
<i>Fin-whales</i>	1938-39	100.0	96.7	70.2	88.0	86.7	61.5	36.8	78.0	78.0
	1947-48	97.4	98.4	95.3	83.7	25.9	29.6	36.5	72.6	72.6
	1948-49	74.0	68.0	88.0	92.2	34.9	45.2	22.1	65.4	65.4
	1949-50	84.9	95.3	96.1	63.3	18.6	10.0	18.4	58.9	59.2
	1950-51	95.5	96.3	89.2	93.7	38.5	51.6	32.4	70.4	70.4
	1951-52	98.3	98.5	96.4	89.3	48.2	37.8	14.2	75.2	75.4
	1952-53	97.3	95.7	97.4	71.8	56.1	35.3	35.7	71.1	71.7
	1953-54	99.2	99.4	95.5	76.9	58.1	31.6	5.2	72.9	73.1
	1954-55	98.7	99.0	94.1	91.0	60.2	47.5	-	83.9	84.1
1955-56	98.6	98.7	98.5	91.8	74.3	75.6	-	87.3	87.5	
<i>Hump-backs</i>	1938-39	-	-	-	-	-	-	-	-	-
	1947-48	-	0.2	1.8	1.2	0.5	0.3	-	0.8	0.8
	1948-49	0.5	1.7	0.7	0.7	0.2	0.2	-	0.6	0.6
	1949-50	-	0.9	1.6	0.5	0.8	0.2	-	0.8	0.8
	1950-51	0.8	0.9	0.4	-	-	0.1	-	0.3	0.3
	1951-52	-	-	1.6	0.2	-	-	-	0.4	0.4
	1952-53	0.7	0.9	0.3	-	-	0.7	-	0.4	0.4
	1953-54	-	-	0.3	0.7	0.1	0.4	-	0.3	0.3
	1954-55	-	0.3	-	-	-	-	-	0.1	0.1
1955-56	-	-	-	-	-	-	-	-	-	
<i>Sei-whales</i>	1938-39	-	-	-	-	-	3.8	15.8	1.1	1.1
	1947-48	-	-	-	8.7	69.7	49.7	57.9	20.7	20.7
	1948-49	-	-	-	2.7	48.6	39.9	57.7	19.1	19.1
	1949-50	-	-	-	32.1	78.6	77.7	72.5	35.3	35.0
	1950-51	-	-	-	0.5	54.8	29.0	42.8	18.4	18.4
	1951-52	1.7	0.4	-	7.6	47.2	46.4	40.7	18.9	18.7
	1952-53	-	-	-	25.4	42.5	43.5	37.1	21.8	21.4
	1953-54	-	-	0.2	20.1	38.6	47.0	74.8	21.5	21.3
	1954-55	0.1	-	0.2	6.5	38.3	45.5	-	13.1	12.9
1955-56	-	-	-	4.1	23.1	18.8	-	9.5	9.3	
<i>Sperm-whales</i>	1938-39	-	0.4	0.9	1.5	2.3	25.4	39.5	7.0	7.0
	1947-48	2.2	0.9	2.4	3.7	3.2	15.6	4.7	4.3	4.3
	1948-49	5.9	2.5	1.5	2.0	13.8	14.2	20.2	7.2	7.2
	1949-50	13.2	2.9	1.8	4.1	2.0	11.3	8.3	4.6	4.6
	1950-51	2.9	1.4	1.5	0.7	5.7	18.3	24.8	8.0	8.0
	1951-52	-	0.7	2.0	2.9	4.3	14.9	45.1	5.3	5.3
	1952-53	2.0	3.4	2.0	2.8	1.4	20.5	22.9	6.5	6.3
	1953-54	0.4	0.4	3.0	1.8	3.2	20.8	20.0	4.9	4.9
	1954-55	1.0	0.7	4.3	2.0	1.0	6.8	-	2.5	2.5
1955-56	1.1	1.3	1.1	4.1	2.6	5.4	-	3.1	3.1	

Table r.—South Georgia. Catch of immature and mature whales 1938/39 and 1947/48—1955/56.

	1938—39.		1947—48.		1948—49.		1949—50.		1950—51.		1951—52.		1952—53.		1953—54.		1954—55.		1955—56.	
	Number of whales.	Per cent.	Number of whales.	Per cent.	Number of whales.	Per cent.	Number of whales.	Per cent.	Number of whales.	Per cent.	Number of whales.	Per cent.	Number of whales.	Per cent.	Number of whales.	Per cent.	Number of whales.	Per cent.	Number of whales.	Per cent.
Blue-whales.																				
Immature males	44	44.9	6	42.9	49	50.5	6	85.7	19	45.2	2	100.0	1	100.0	1	33.3	4	66.7	1	100.0
females	65	48.5	13	40.6	51	39.5	3	42.9	16	40.0	3	75.0	2	66.7	8	80.0	7	100.0	—	—
animals	109	47.0	19	41.3	100	44.2	9	64.3	35	42.7	5	83.3	3	75.0	9	69.2	11	84.6	1	33.3
Mature males	54	55.1	8	57.1	48	49.5	1	14.3	23	54.8	—	—	—	—	2	66.7	2	33.3	—	—
females	69	51.5	19	59.4	78	60.5	4	57.1	24	60.0	1	25.0	1	33.3	2	20.0	—	—	2	100.0
animals	123	53.0	27	58.7	126	55.8	5	35.7	47	57.3	1	16.7	1	25.0	4	30.8	2	15.4	2	66.7
Fin-whales.																				
Immature males	188	30.7	300	27.3	314	31.4	353	37.3	259	30.4	319	34.6	307	38.9	660	52.5	584	47.6	515	41.9
females	231	33.2	335	32.1	277	30.0	349	33.9	357	31.6	383	36.3	323	39.1	747	54.9	605	42.0	583	41.9
animals	419	32.1	635	29.7	591	30.8	702	35.5	616	31.1	702	35.5	630	39.0	1,407	53.8	1,189	44.5	1,098	41.9
Mature males	424	69.3	799	72.7	686	68.6	594	62.7	593	69.6	604	65.4	482	61.1	597	47.5	643	52.4	715	58.1
females	464	66.8	708	67.9	645	70.0	681	66.1	773	68.4	671	63.7	503	60.9	613	45.1	837	58.0	808	58.1
animals	888	67.9	1,507	70.3	1,331	69.2	1,275	64.5	1,366	68.9	1,275	64.5	985	61.0	1,210	46.2	1,480	55.5	1,523	58.1

Table s.—Antarctic whaling results for the various countries 1937/38—1955/56. Absolute and percentage figures.

Years.	All countries.		Norway.		British Commonwealth.		Of which				Japan.	
	Number of whales.	Oil production.	Number of whales.	Oil production.	Number of whales.	Oil production.	United Kingdom.		Union of South Africa.		Number of whales.	Oil production.
							Number of whales.	Oil production.	Number of whales.	Oil production.		
		Barrels. ¹⁾		Barrels. ¹⁾		Barrels. ¹⁾		Barrels. ¹⁾		Barrels. ¹⁾		Barrels. ¹⁾
1937-38	46,039	3,340,330	²⁾ 14,960	³⁾ 1,157,993	16,111	1,153,365	13,286	959,692	2,825	193,673	5,582	388,683
1938-39	38,356	2,820,771	²⁾ 11,521	³⁾ 842,712	11,192	891,791	10,022	790,846	1,170	100,945	7,540	483,476
1939-40	32,900	2,544,253	11,040	909,790	11,765	882,169	9,875	763,259	1,890	118,910	6,990	538,862
1940-41	16,363	1,100,008	2,387	203,317	3,116	229,780	3,116	229,780	-	-	9,992	622,413
1945-46	13,387	818,652	7,246	520,873	5,059	252,751	5,059	252,751	-	-	-	-
1946-47	25,593	1,939,742	12,533	980,838	9,872	725,469	7,306	520,500	2,566	204,879	1,175	73,295
1947-48	31,318	2,104,051	15,656	1,050,831	11,406	759,813	8,448	578,757	2,958	181,056	1,324	104,912
1948-49	31,435	2,219,621	16,196	1,108,027	10,204	756,531	7,596	595,803	2,608	160,728	1,643	119,361
1949-50	32,396	2,166,489	16,799	1,106,487	9,668	663,715	7,786	518,417	1,882	145,298	2,114	168,754
1950-51	33,997	2,303,690	16,844	1,116,284	8,768	636,241	6,227	474,330	2,541	161,911	2,741	170,596
1951-52	35,237	2,479,180	15,650	1,136,643	9,432	686,216	6,938	500,254	2,494	185,962	3,831	259,476
1952-53	30,653	2,118,097	11,240	813,979	9,424	641,467	6,964	491,012	2,460	150,455	2,645	207,335
1953-54	34,872	2,285,720	14,928	1,027,807	9,846	685,045	7,620	537,774	2,226	147,271	4,218	252,677
1954-55	37,654	2,242,555	14,491	869,241	9,608	571,124	7,912	471,315	1,696	99,809	5,958	366,915
1955-56	38,580	2,307,171	14,510	852,482	9,628	584,299	7,444	474,760	2,184	109,539	6,462	408,853
<i>In per cent</i>	%	%	%	%	%	%	%	%	%	%	%	%
1937-38	100.0	100.0	32.5	34.7	35.0	34.5	28.9	28.7	6.1	5.8	12.1	11.6
1938-39	100.0	100.0	30.0	29.9	29.2	31.6	26.1	28.0	3.1	3.6	19.6	17.1
1939-40	100.0	100.0	33.6	35.8	35.8	34.7	30.0	30.0	5.8	4.7	21.2	21.2
1940-41	100.0	100.0	14.6	18.5	19.0	20.9	19.0	20.9	-	-	61.1	56.6
1945-46	100.0	100.0	54.1	63.6	37.8	30.9	37.8	30.9	-	-	-	-
1946-47	100.0	100.0	49.0	50.5	38.6	37.4	28.5	26.8	10.1	10.6	4.6	3.8
1947-48	100.0	100.0	50.0	49.9	36.4	36.1	27.0	27.5	9.4	8.6	4.2	5.0
1948-49	100.0	100.0	51.5	49.9	32.5	34.1	24.2	26.9	8.3	7.2	5.2	5.4
1949-50	100.0	100.0	51.9	51.1	29.8	30.6	24.0	23.9	5.8	6.7	6.5	7.8
1950-51	100.0	100.0	49.5	48.5	25.8	27.6	18.3	20.6	7.5	7.0	8.1	7.4
1951-52	100.0	100.0	44.4	45.8	26.8	27.7	19.7	20.2	7.1	7.5	10.9	10.5
1952-53	100.0	100.0	36.7	38.4	30.8	30.3	22.8	23.2	8.0	7.1	8.6	9.8
1953-54	100.0	100.0	42.8	45.0	28.2	30.0	21.8	23.5	6.4	6.5	12.1	11.0
1954-55	100.0	100.0	38.5	38.8	25.5	25.5	21.0	21.0	4.5	4.5	15.8	16.3
1955-56	100.0	100.0	37.6	36.9	25.0	25.3	19.3	20.6	5.7	4.7	16.7	17.7

Years.	Argentina.		Germany.		Panama.		United States of America.		Netherlands.		U.S.S.R.	
	Number of whales.	Oil production.	Number of whales.	Oil production.	Number of whales.	Oil production.	Number of whales.	Oil production.	Number of whales.	Oil production.	Number of whales.	Oil production.
		Barrels. ¹⁾		Barrels. ¹⁾		Barrels. ¹⁾		Barrels. ¹⁾		Barrels. ¹⁾		Barrels. ¹⁾
1937-38. . . .	1,062	51,766	5,237	3 6,858	1,527	117,650	1,560	114,015	-	-	-	-
1938-39. . . .	1,024	66,826	5,066	374,149	907	68,853	1,106	92,964	-	-	-	-
1939-40. . . .	705	39,432	-	-	1,421	113,000	979	61,000	-	-	-	-
1940-41. . . .	868	44,498	-	-	-	-	-	-	-	-	-	-
1945-46. . . .	1,082	45,028	-	-	-	-	-	-	-	-	-	-
1946-47. . . .	857	47,830	-	-	-	-	-	-	770	77,310	386	35,000
1947-48. . . .	814	44,965	-	-	-	-	-	-	1,294	85,130	824	58,400
1948-49. . . .	919	52,518	-	-	-	-	-	-	1,366	109,849	1,107	73,335
1949-50. . . .	946	41,348	-	-	-	-	-	-	1,295	82,792	1,574	103,393
1950-51. . . .	796	40,593	-	-	1,497	126,522	-	-	1,660	103,560	1,691	109,894
1951-52. . . .	798	41,825	-	-	1,408	97,073	-	-	1,650	110,300	2,468	147,647
1952-53. . . .	678	32,187	-	-	2,365	164,150	-	-	1,575	103,710	2,726	155,269
1953-54. . . .	1,083	53,478	-	-	-	-	-	-	1,711	97,596	3,086	169,117
1954-55. . . .	947	50,568	-	-	2,512	147,880	-	-	848	64,739	3,290	172,088
1955-56. . . .	812	43,376	-	-	2,730	160,960	-	-	1,665	103,465	2,773	153,736
<i>In per cent</i>	%	%	%	%	%	%	%	%	%	%	%	%
1937-38. . . .	2.3	1.6	11.4	10.7	3.3	3.5	3.4	3.4	-	-	-	-
1938-39. . . .	2.7	2.4	13.2	13.3	2.4	2.4	2.9	3.3	-	-	-	-
1939-40. . . .	2.1	1.5	-	-	4.3	4.4	3.0	2.4	-	-	-	-
1940-41. . . .	5.3	4.0	-	-	-	-	-	-	-	-	-	-
1945-46. . . .	8.1	5.5	-	-	-	-	-	-	-	-	-	-
1946-47. . . .	3.3	2.5	-	-	-	-	-	-	3.0	4.0	1.5	1.8
1947-48. . . .	2.6	2.1	-	-	-	-	-	-	4.2	4.1	2.6	2.8
1948-49. . . .	2.9	2.4	-	-	-	-	-	-	4.4	4.9	3.5	3.3
1949-50. . . .	2.9	1.9	-	-	-	-	-	-	4.0	3.8	4.9	4.8
1950-51. . . .	2.3	1.7	-	-	4.4	5.5	-	-	4.9	4.5	5.0	4.8
1951-52. . . .	2.2	1.7	-	-	4.0	3.9	-	-	4.7	4.4	7.0	6.0
1952-53. . . .	2.2	1.5	-	-	7.7	7.8	-	-	5.1	4.9	8.9	7.3
1953-54. . . .	3.1	2.3	-	-	-	-	-	-	4.9	4.3	8.9	7.4
1954-55. . . .	2.5	2.2	-	-	6.7	6.6	-	-	2.3	2.9	8.7	7.7
1955-56. . . .	2.1	1.9	-	-	7.1	7.0	-	-	4.3	4.5	7.2	6.7

¹⁾ Barrel = 170 kg. (Barrel = abt. $\frac{1}{6}$ long ton. 1 long ton = 1,016 kg.) ²⁾ Including the catch of two Norwegian expeditions hired by Germany—in 1937-38 2,158 whales and in 1938-39 1,658 whales. ³⁾ Including the production of two Norwegian expeditions hired by Germany—in 1937-38 180,750 barrels and in 1938-39 118,380 barrels.

Table t.—Average production of oil per blue-whale unit.¹⁾

Years.	South Georgia.	Pelagic whaling.	Years.	South Georgia.	Pelagic whaling.
	Barrels ²⁾	Barrels ²⁾		Barrels	Barrels
1924-25.....	87.5	85.0	1940-41.....	109.1	105.8
1925-26.....	84.0	84.8	1941-42.....	110.1	-
1926-27.....	96.4	91.1	1942-43.....	95.2	-
1927-28.....	106.4	92.8	1943-44.....	120.2	142.9
1928-29.....	108.2	98.3	1944-45.....	111.5	118.0
1929-30.....	110.7	109.6	1945-46.....	83.1	98.6
1930-31.....	100.1	105.6	1946-47.....	112.5	113.1
1931-32.....	92.9	102.6	1947-48.....	128.3	111.2
1932-33.....	86.5	114.6	1948-49.....	126.5	115.9
1933-34.....	91.8	111.9	1949-50.....	115.0	118.6
1934-35.....	105.1	102.2	1950-51.....	121.5	117.3
1935-36.....	95.5	101.6	1951-52.....	127.6	129.4
1936-37.....	104.5	111.7	1952-53.....	126.3	128.0
1937-38.....	95.7	111.1	1953-54.....	121.1	128.6
1938-39.....	117.6	107.1	1954-55.....	124.6	117.3
1939-40.....	106.1	117.2	1955-56.....	123.6	121.6

¹⁾ Other whales are reduced to blue-whale units on the following basis: — 1 blue-whale = 2 fin whales = 2½ humpbacks = 6 sei-whales. ²⁾ Barrel = 170 kg. (Barrel = abt. ¼ long ton. 1 long ton = 1,016 kg.)

During the last season 39.8 per cent of the total number of blue-whales killed were immature animals, against 37.7 per cent during the preceding season and 36.5 per cent in 1953-54. Of the total fin-whale catch 25.7 per cent were immature animals against 27.3 per cent in 1954-55. The number of immature humpbacks killed amounted to 51.4 per cent against 39.4 per cent during the previous season.

For the purpose of obtaining more detailed information on the pelagic activities in the Antarctic the area around the South Pole cap has been divided into the following areas:—

Area	I	between	70° west	and	160° west
"	II	"	0°	and	70° west
"	III	"	0°	"	70° east
"	IV	"	70° east	"	130° east
"	V	"	130° east	"	160° west

As previously mentioned the Pacific sector (area I) was opened to baleen whale hunting for 3 seasons from and including the season 1955-56. For a series of years pelagic hunting of baleen whales has not been permitted in this area.

A survey of the number and average size of the blue-whales, fin-whales and humpbacks killed in the individual areas from 1931-32 is given in table l, page 22. The results for the seasons 1931/32-1937/38 are added together, and the same is the case in respect to the war seasons. 3 blue-whales and 2 fin-whales killed in area I during the season 1933-34 and

3 fin-whales killed in area I during the season 1954-55 were in the previous statistics included in area V. The figures have now been revised.

As it will appear from the figures below the whaling results in area I were considerable:

	Catch in blue-whale units during the season 1955-56	
	Number of blue-whale units	Per catcher's day-work
Total	14,779	0.99
Of which in:		
Area I	3,681	1.16
“ II	3,853	0.99
“ III	3,871	0.89
“ IV	2,256	0.96
“ V	1,118	1.00

The whaling operations in area I resulted in 3,681 blue-whale units or about 25 per cent of the total catch, and as far as the catch in blue-whale units per catcher's day-work is concerned the most favourable result was obtained in area I. In areas II-V the catch consequently amounted to 11,098 blue-whale units during the season 1955-56 against 15,180 units during the season 1954-55.

The catch of fin- and blue-whales during the season 1955-56 has been divided over the areas as follows:

	Fin-whales killed during the season 1955-56		Blue-whales killed during the season 1955-56	
	Number	Per catcher's day-work	Number	Per catcher's day-work
Total	25,102	1.69	1,611	0.19
Of which in:				
Area I	6,321	1.99	489	0.25
“ II	6,744	1.73	440	0.19
“ III	7,088	1.63	300	0.13
“ IV	3,208	1.36	322	0.21
“ V	1,741	1.56	60	0.16

In area I 6,321 fin-whales were killed, in the other areas a total of 18,781 against 25,608 during the season 1954-55. 489 blue-whales were killed in area I and 1,122 in the other areas against 2,154 during the season 1954-55. This indicates that the opening of area I has resulted in a reduced taxation of the whales in the other areas during the last season as compared to the preceding one, assumed that the whales in area I belong to a separate stock, of which only an insignificant number has moved into other areas.

The taking of humpback whales is prohibited between 0° and 70° west. The humpback catch during the last two seasons was divided over the individual areas as follows:

	Season 1954-55	Season 1955-56
Area I	—	4.9 per cent
“ II	0.4 per cent	—
“ III	28.9 » »	4.5 » »
“ IV	—	57.8 » »
“ V	70.7 » »	32.8 » »

Table *m*, page 24, contains a summary of the aggregate catch of blue-, fin-, humpback- and sperm-whales in the individual areas throughout the entire period 1931/32–1955/56. During this period 40.7 per cent of the blue-whales, 38.2 per cent of the fin-whales and 41.3 per cent of the sperm-whales killed have been taken in area III. The largest number of humpbacks has been killed in area IV, viz. 46.7 per cent.

During the period 1931/32–1955/56 a total number of 514,323 baleen whales (excluding sei-whales) have been killed. In the survey below the percentage proportion of the catch specified for each area in respect to the entire period is compared with the corresponding figures for the season 1955–56.

	Blue-, fin- and humpback-whales killed Seasons 1931/32-1955/56	Season 1955/56
Area I	1.3 per cent	24.5 per cent
“ II	28.2 “ “	25.5 “ “
“ III	38.8 “ “	26.5 “ “
“ IV	22.6 “ “	15.5 “ “
“ V	9.1 “ “	8.0 “ “

It will be seen from these figures that the catch in area I during the period 1931/32–1955/56 represented only 1.3 per cent of the total pelagic catch during the same years. This is a consequence of the preservation of baleen whales in this area since 1938, pursuant to the International Whaling Convention. However, even during the seasons prior to 1938, the whaling activities in area I were quite insignificant, as it will appear from table *l*.

Table *n*, page 25, gives a survey of the pelagic whaling results of the individual participating countries as from 1937–38 (excl. the war seasons) regarding the number of whales killed, oil production and number of catchers employed in each season.

South Georgia.

The whaling results from South Georgia for each season since 1919–20 are given in table *o*, page 26. During all the post-war seasons 3 shore stations have carried on whaling from South Georgia, and since 1947–48

Table u.—Average weekly production of whale-oil per blue-whale unit in the pelagic whaling 1954-55 and 1955-56.

Season 1954-55.				Season 1955-56.			
Week ending	Production of whale-oil.	Number of blue-whale units.	Prod. per blue-whale unit.	Week ending	Production of whale-oil.	Number of blue-whale units.	Prod. per blue-whale unit.
	Barrels.		Barrels.		Barrels.		Barrels.
8/1 1955	49,327	710.5	69.4	7/1 1956	20,881	323.6	64.5
15/1 "	141,761	1,284.0	110.4	14/1 "	185,411	1,791.7	103.5
22/1 "	217,641	2,118.7	102.7	21/1 "	211,830	1,909.0	111.0
29/1 "	186,035	1,631.5	114.0	28/1 "	184,422	1,640.8	112.4
5/2 "	183,998	1,492.0	123.3	4/2 "	233,383	2,049.4	113.9
12/2 "	159,500	1,366.9	116.7	11/2 "	219,015	1,701.8	128.7
19/2 "	186,833	1,567.8	119.2	18/2 "	239,429	1,842.6	129.9
26/2 "	171,253	1,421.4	120.5	25/2 "	224,797	1,664.8	135.0
5/3 "	193,908	1,487.8	130.3	3/3 "	245,153	1,637.8	149.7
12/3 "	142,503	1,043.2	136.6	4/3 "	29,310	217.4	134.8
19/3 "	142,729	1,055.9	135.2				
Total	1,775,488	15,179.7	117.0	Total	1,793,631	14,778.9	121.4

each of the stations has been operating with 7 catchers, In 1955-56 3,049 whales were killed, against 3,266 whales in the preceding season. During the 10 post-war seasons 1946/47-1955/56 the annual average number of whales killed has been about 3,000. During some of the earlier post-war seasons quite a considerable number of blue-whales was killed off South Georgia, viz. 327 in 1946-47, 226 in 1948-49 and 82 in 1950-51. During later seasons the blue-whale catch has been insignificant. In 1955-56 only 3 blue-whales were killed. The fin-whale is the prevailing species killed in the pelagic operations as well as off South Georgia, but on this ground the catch of sei-whales is also important. During all the post-war seasons a greater number of sei-whales was killed here than in pelagic whaling.

The oil production amounted to 168,244 barrels of whale-oil and 4,119 barrels of sperm-oil, or a total of 172,363 barrels. During the previous season the output was 176,612 barrels of whale-oil and 4,154 barrels of sperm-oil, or a total of 180,766 barrels.

Tables *p* and *q*, pages 27 and 28, give the catch off South Georgia by months in absolute and percentage figures for 1938-39 and for the post-war seasons from and including 1947-48. Table *r*, page 29 shows the proportion of mature and immature animals killed.

In table *s*, pages 30 and 31, the total whaling results in the Antarctic from 1937-38 up to and including 1955-56 have been distributed in respect to the individual participating countries. The percentage proportion of the oil production of the individual countries during the 4 last seasons was as follows (page 37):

Table v.—Production of by-products in the Antarctic whaling in the seasons
1945/46—1955/56.

By-products Seasons Countries	Whale meat-meal, bone-meal, grax meal, guano, dehydrated whale meat	Blue-, sei-, and sperm- whale liver or liver flakes, salted or frozen	Liver- oil, vitamin oil	Liver meal	Meat extract, liver extract	Whale meat, blubber, ventral grooves. Frozen, salted, or canned	Whale solubles	Other by- products ¹
	Long tons	L. tons	L. tons	L. tons	L. tons	L. tons	L. tons	L. tons
1945-46..... Total	13,191	575	6	38	—	—	—	16
1946-47..... Total	19,302	671	79	380	104	21,914	—	33
1947-48..... Total	24,460	918	112	495	138	30,062	—	1,231
1948-49..... Total	26,792	1,173	166	596	88	39,635	—	2,127
1949-50..... Total	25,852	817	250	573	97	46,824	779	1,532
1950-51..... Total	25,821	841	264	622	44	28,389	2,444	946
1951-52.								
Norway.....	3,879	415	84	46	—	—	659	—
United Kingdom ..	12,351	—	56	389	53	2,635	5,101	32
Union of S. Africa .	2,986	147	—	—	—	—	—	—
Netherlands	—	—	12	—	—	—	—	6
U.S.S.R.	1,230	261	—	—	—	—	—	—
Japan	—	—	43	—	—	25,664	—	769
Argentina	3,670	—	—	—	—	—	—	14
Panama	—	—	—	—	—	—	—	—
Total	24,116	823	195	435	53	28,299	5,760	821
1952-53.								
Norway.....	2,961	128	41	54	—	64	—	—
United Kingdom ..	15,051	—	57	402	134	4,668	5,390	25
Union of S. Africa .	3,009	193	—	—	—	—	—	—
Netherlands	—	—	16	—	—	—	—	—
U.S.S.R.	1,417	280	—	—	—	—	—	—
Japan	—	—	41	—	—	23,849	—	24
Argentina	3,146	—	—	—	—	—	—	8
Panama	—	—	—	—	—	—	—	—
Total	25,584	601	155	456	134	28,581	5,390	57
1953-54.								
Norway.....	5,489	74	88	—	—	65	711	16
United Kingdom ..	20,177	—	51	385	286	5,598	9,174	17
Union of S. Africa .	3,203	111	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—
U.S.S.R.	1,629	—	—	—	—	—	—	409
Japan	—	—	60	—	—	29,129	—	1,337
Argentina	5,162	—	—	—	—	—	—	7
Total	35,660	185	199	385	286	34,792	9,885	1,786
1954-55.								
Norway.....	5,413	113	84	—	69	73	949	29
United Kingdom ..	20,804	—	28	115	390	5,660	7,559	21
Union of S. Africa .	2,809	—	25	—	—	—	—	—
Netherlands	—	5	8	—	—	65	—	29
U.S.S.R.	1,919	551	—	—	—	502	—	3
Panama	—	—	4	—	—	—	—	—
Japan	—	—	69	—	—	36,381	—	3,412
Argentina	4,574	—	—	—	—	—	—	3
Total	35,519	669	218	115	459	42,681	8,508	3,497
1955-56.								
Norway.....	10,249	134	63	—	82	104	1,101	30
United Kingdom ..	21,455	—	37	162	183	2,932	6,445	6
Union of S. Africa .	3,404	—	29	—	—	—	—	—
Netherlands	1,936	—	14	—	—	—	—	—
U.S.S.R.	2,021	621	—	—	—	497	—	—
Panama	—	—	15	—	—	—	—	70
Japan	—	—	94	—	—	42,302	—	2,437
Argentina	4,124	—	—	—	—	—	—	7
Total	43,189	755	252	162	265	45,835	7,546	2,550

¹) Products such as: Sinews, teeth, baleen, ambergris, pancreas, processed bone, bone fertilizer, protein, whale meat cakes, liver paste, whale hypophyses, internal organs.

	Oil production during the last 4 seasons			
	1952-53 Per cent	1953-54 Per cent	1954-55 Per cent	1955-56 Per cent
Norway	38.4	45.0	38.8	36.9
British Commonwealth	30.3	30.0	25.5	25.3
Japan	9.8	11.0	16.3	17.7
Panama	7.8	—	6.6	7.0
U.S.S.R.	7.3	7.4	7.7	6.7
Netherlands	4.9	4.3	2.9	4.5
Argentina	1.5	2.3	2.2	1.9

The average output of whale-oil per blue-whale unit for South Georgia and for the pelagic expeditions from and including the season 1924–25 has been recorded in table *t*, page 32. For pelagic whaling the average output was 121.6 barrels per blue-whale unit during the season 1955–56, against 117.3 barrels during the preceding season. This was an increase of 4.3 barrels per blue-whale unit, although the last season closed a fortnight earlier than the previous one. One of the reasons for the increased oil output in the last season is the opening of the Pacific area to pelagic whaling. The average output of oil per blue-whale unit in area I was namely 135.8 barrels, against 127.5 barrels in area II, 113.7 barrels in area III, 105.6 barrels in area IV and 110.8 barrels in area V.

Table *u*, page 35, shows the average *weekly* production of whale-oil per blue-whale unit for the pelagic expeditions during the seasons 1954–55 and 1955–56. It will appear from the table that the average weekly yield per blue-whale unit increased during the season 1954–55 from 110.4 barrels during the week 8/1–15/1 to 135.2 barrels during the last week 12/3–19/3, and during the season 1955–56 from 103.5 barrels during the week 7/1–14/1 to 149.7 barrels during the last week 25/2–3/3.

In table *v*, page 36, detailed information is given on the production of by-products in the Antarctic whaling. These data cover the post-war years 1945/46–1955/56, from and including 1951–52 distributed in respect to the individual countries.

During the season 1955–56 15,068 men were employed in the Antarctic whaling industry. Of these 7,594 were Norwegians, 4,071 Japanese, 1,198 British, 754 Russians and 1,451 of other nationalities.

Table No. 1.—Whaling in the Antarctic in the season 1955/56.

Geographical areas.	Species of whales caught.						Oil production. Barrels ¹⁾	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Total of whales.		Shore stations.	Floating factories.	Catchers.
South Georgia	3	2,669	—	284	93	3,049	172,363	3	—	21
Antarctic, pelagic whaling	1,611	25,289	1,432	276	6,881	35,489	²⁾ 2,134,808	—	19	257
Total	1,614	27,958	1,432	560	6,974	38,538	2,307,171	3	19	278

¹⁾ Barrel = 170 kg. (Barrel = abt. $\frac{1}{6}$ long ton, 1 long ton = 1,016 kg.) ²⁾ In addition 42 Minke-whales.

Table No. 2.—Whaling results for the various countries in the Antarctic in the season 1955/56.

Countries. Geographical areas.	Species of whales caught.						Oil production. Barrels ¹⁾	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Total of whales.		Shore stations.	Floating factories.	Catchers.
Norway:—							Barrels ¹⁾			
South Georgia	1	1,012	—	87	39	1,139	63,928	1	—	7
Antarctic, pelagic	567	9,394	588	97	2,725	13,371	788,554	—	9	110
British Commonwealth:—										
South Georgia	—	989	—	84	25	1,098	65,059	1	—	7
Antarctic, pelagic	193	6,244	166	19	1,907	²⁾ 8,529	519,240	—	4	59
Of which:—										
United Kingdom:—										
South Georgia	—	989	—	84	25	1,098	65,059	1	—	7
Antarctic, pel.	122	4,885	17	15	1,306	²⁾ 6,345	409,701	—	3	44
Union of S. Africa:—										
Antarctic, pel.	71	1,359	149	4	601	2,184	109,539	—	1	15
Japan:—										
Antarctic, pelagic	383	4,524	240	7	1,308	6,462	408,853	—	3	40
Panama:—										
Antarctic, pelagic	107	2,115	199	—	309	2,730	160,960	—	1	15
U.S.S.R.:—										
Antarctic, pelagic	164	2,152	50	138	228	³⁾ 2,732	153,736	—	1	15
The Netherlands:—										
Antarctic, pelagic	197	860	189	15	404	1,665	103,465	—	1	18
Argentina:—										
South Georgia	2	668	—	113	29	812	43,376	1	—	7
Total	1,614	27,958	1,432	560	6,974	38,538	2,307,171	3	19	278

¹⁾ Barrel = 170 kg. (Barrel = abt. $\frac{1}{6}$ long ton, 1 long ton = 1,016 kg.) ²⁾ In addition 1 Minke-whale. ³⁾ In addition 41 Minke-whales.

Table No. 3.—Average size of whales caught in the Antarctic in the season 1955/56.

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
Blue-whales.				
<i>South Georgia</i>	No. 1	—	82 00	82.00
Males 1 } Total 3.	" 2	71.00	91.00	81.00
Females 2 }				
Average		71.00	86.50	81.33
<i>Antarctic, pelagic whaling</i>	No. 1	77.68	81.87	80.10
Males 773 } Total 1,611.	" 2	76.78	81.61	80.00
Females 838 }	" 3	77.86	80.66	79.71
	" 4	78.30	79.50	79.10
	" 5	77.02	80.66	79.10
	" 6	76.41	80.79	78.93
	" 7	74.93	79.33	77.75
	" 8	74.61	79.79	77.58
	" 9	74.00	78.60	77.29
	" 10	73.60	79.88	77.23
	" 11	74.85	79.08	77.19
	" 12	75.52	79.51	76.91
	" 13	73.56	78.64	76.50
	" 14	76.52	76.27	76.41
	" 15	76.23	76.11	76.16
	" 16	75.72	76.00	75.86
	" 17	74.71	76.81	75.68
	" 18	73.35	76.73	74.68
	" 19	73.57	75.45	74.68
Average		75.57	78.88	77.29
Fin-whales.				
<i>South Georgia</i>	No. 1	63.75	66.46	65.18
Males 1,230 } Total 2,621.	" 2	63.51	66.50	65.11
Females 1,391 }	" 3	62.88	66.04	64.54
Average		63.44	66.37	65.00
<i>Antarctic, pelagic whaling</i>	No. 1	66.13	70.13	68.34
Males 12,857 } Total 25,102.	" 2	66.00	69.43	67.56
Females 12,245 }	" 3	65.99	68.59	67.37
	" 4	65.73	68.97	67.30
	" 5	65.48	68.97	67.22
	" 6	65.35	68.66	67.02
	" 7	65.56	68.42	67.00
	" 8	64.97	68.89	66.88
	" 9	65.20	68.81	66.75
	" 10	64.93	68.15	66.47
	" 11	64.70	67.85	66.31
	" 12	64.85	67.97	66.31
	" 13	64.58	67.79	66.04
	" 14	64.86	67.25	66.02
	" 15	64.77	67.17	65.95
	" 16	64.60	67.32	65.87
	" 17	64.45	67.11	65.81
	" 18	64.50	67.04	65.77
	" 19	64.05	66.98	65.53
Average		65.05	68.10	66.54

Table No 3. (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
<u>Humpbacks.</u>				
<i>Antarctic, pelagic whaling</i>	No. 1	41.33	43.82	43.29
Males 599 } Total 1,425.	" 2	43.50	41.00	42.67
Females 826 }	" 3	40.33	43.33	42.33
	" 4	40.31	41.42	40.84
	" 5	—	40.50	40.50
	" 6	39.03	41.18	40.41
	" 7	39.50	41.33	40.38
	" 8	38.93	41.14	40.26
	" 9	39.18	40.86	40.23
	" 10	38.59	40.33	39.66
	" 11	38.75	40.22	39.58
	" 12	38.95	39.92	39.46
Average		39.03	40.68	39.99
<u>Sei-whales.</u>				
<i>South Georgia</i>	No. 1	48.40	51.34	50.25
Males 118 } Total 284.	" 2	48.62	50.55	49.88
Females 166 }	" 3	48.19	51.33	49.63
Average		48.37	51.07	49.95
<i>Antarctic, pelagic whaling</i>	No. 1	—	55.00	55.00
Males 85 } Total 274.	" 2	—	54.00	54.00
Females 189 }	" 3	49.40	53.00	51.62
	" 4	—	51.50	51.50
	" 5	49.17	52.33	51.28
	" 6	48.67	51.06	50.43
	" 7	49.14	51.26	50.40
	" 8	47.98	51.30	50.29
	" 9	48.33	50.08	49.73
	" 10	50.00	49.00	49.50
	" 11	—	49.00	49.00
	" 12	46.00	49.20	48.67
Average		48.49	51.29	50.42
<u>Sperm-whales.</u>				
<i>South Georgia</i>	No. 1	48.07	—	48.07
Males 93	" 2	46.43	—	46.43
	" 3	46.00	—	46.00
Average		46.83	—	46.83

Table No. 3. (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet	Engl. feet	Engl. feet
<i>Antarctic, pelagic whaling</i> Males 6,845.	No. 1	50.39	—	50.39
	" 2	49.85	—	49.85
	" 3	49.52	—	49.52
	" 4	49.34	—	49.34
	" 5	49.08	—	49.08
	" 6	49.06	—	49.06
	" 7	48.99	—	48.99
	" 8	48.46	—	48.46
	" 9	48.44	—	48.44
	" 10	48.20	—	48.20
	" 11	48.12	—	48.12
	" 12	48.03	—	48.03
	" 13	48.02	—	48.02
	" 14	47.97	—	47.97
	" 15	47.92	—	47.92
	" 16	47.64	—	47.64
	" 17	47.42	—	47.42
	" 18	47.05	—	47.05
	" 19	46.65	—	46.65
Average		48.39	—	48.39

Table No. 4.—Whales caught in the Antarctic in the season 1955/56, by species, sex and size.

Total Antarctic.

Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
58	—	1	1	82	30	35	65
60	—	1	1	83	13	38	51
62	1	1	2	84	20	43	63
63	1	2	3	85	6	39	45
64	5	4	9	86	7	32	39
65	7	3	10	87	2	40	42
66	9	3	12	88	3	26	29
67	10	6	16	89	1	25	26
68	7	9	16	90	—	25	25
69	4	4	8	91	—	11	11
70	56	56	112	92	—	5	5
71	50	36	86	93	—	5	5
72	71	52	123	94	—	2	2
73	69	55	124	97	—	1	1
74	55	38	93	Sum	774	840	1,614
75	59	34	93	Average size	Males: 75.56 feet		
76	58	47	105		Females: 78.89 "		
77	40	38	78		Total animals: 77.30 "		
78	44	32	76	Per cent	Males: 47.96		
79	47	27	74		Females: 52.04		
80	53	39	92				
81	46	25	71				

Table No. 4 (continued).

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
45	1	-	1	69	966	810	1,776
46	1	-	1	70	801	1,031	1,832
47	-	2	2	71	405	959	1,364
48	1	1	2	72	197	1,030	1,227
49	-	1	1	73	105	923	1,028
50	4	5	9	74	42	776	818
51	11	6	17	75	17	627	644
52	10	8	18	76	7	386	393
53	29	25	54	77	3	219	222
54	52	30	82	78	3	128	131
55	66	42	108	79	-	61	61
56	43	41	84	80	-	34	34
57	400	304	704	81	-	8	8
58	499	371	870	82	-	4	4
59	498	377	875	83	-	3	3
60	669	473	1,142	85	-	1	1
61	618	455	1,073	Sum	14,087	13,636	27,723
62	782	546	1,328	Average size		Males: 64.91 feet	
63	878	534	1,412			Females: 67.93 "	
64	1,153	631	1,784			Total animals: 66.40 "	
65	1,452	688	2,140	Per cent		Males: 50.81	
66	1,464	633	2,097			Females: 49.19	
67	1,543	700	2,243				
68	1,367	763	2,130				

Humpbacks.

30	-	1	1	44	22	65	87
31	1	1	2	45	7	50	57
32	1	2	3	46	3	36	39
33	1	3	4	47	1	14	15
34	7	1	8	48	-	2	2
35	30	23	53	49	-	3	3
36	55	61	116	51	-	1	1
37	82	58	140	Sum	599	826	1,425
38	91	72	163	Average size		Males: 39.03 feet	
39	73	71	144			Females: 40.68 "	
40	97	99	196			Total animals: 39.99 "	
41	68	103	171	Per cent		Males: 42.04	
42	39	87	126			Females: 57.96	
43	21	73	94				

Sei-whales.

39	1	-	1	53	4	52	56
40	1	1	2	54	2	36	38
42	3	-	3	55	-	21	21
43	2	2	4	56	-	10	10
44	3	-	3	57	-	2	2
45	6	4	10	58	-	1	1
46	12	9	21	Sum	203	355	558
47	24	13	37	Average size		Males: 48.42 feet	
48	42	25	67			Females: 51.19 "	
49	51	37	88			Total animals: 50.18 "	
50	37	43	80	Per cent		Males: 36.38	
51	8	57	65			Females: 63.62	
52	7	42	49				

Table No. 4 (continued).

Sperm-whales.

Engl. feet.	Number of males.	Engl. feet.	Number of males.
37	1	50	1,005
38	8	51	660
39	11	52	513
40	35	53	307
41	66	54	178
42	128	55	90
43	227	56	28
44	372	57	10
45	497	58	1
46	613	Sum	6,938
47	670	Average size:	
48	814	Males: 48.37 feet.	
49	704		

a. South Georgia.

Blue-whales.

Engl. feet.	Number of		Total animals.	Average size
	males.	females.		
71	1	-	1	Males: 71.00 feet Females: 86.50 Total animals: 81.33 "
82	-	1	1	
91	-	1	1	
Sum	1	2	3	Per cent { Males: 33.33 Females: 66.67

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
50	1	-	1	70	47	79	126
51	1	1	2	71	19	55	74
52	-	1	1	72	19	67	86
53	1	2	3	73	8	73	81
54	2	2	4	74	2	63	65
55	4	2	6	75	-	48	48
57	89	85	174	76	-	27	27
58	92	85	177	77	1	30	31
59	83	66	149	78	-	16	16
60	94	64	158	79	-	10	10
61	83	52	135	80	-	4	4
62	65	77	142	81	-	2	2
63	88	54	142	82	-	1	1
64	117	92	209	Sum	1,230	1,391	2,621
65	100	73	173	Average size { Males: 63.44 feet			
66	94	57	151	Females: 66.37			
67	65	52	117	Total animals: 65.00 "			
68	90	73	163	Per cent { Males: 46.93			
69	65	78	143	Females: 53.07			

Table No. 4 (continued).

Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
40	1	1	2	54	1	18	19
42	3	—	3	55	—	10	10
43	1	1	2	56	—	6	6
44	3	—	3	57	—	2	2
45	3	2	5	58	—	1	1
46	5	2	7				
47	12	6	18	Sum	118	166	284
48	27	14	41				
49	30	26	56	Average size	Males: 48.37 feet Females: 51.07 " Total animals: 49.95 "		
50	23	21	44	Per cent	Males: 41.55 Females: 58.45		
51	3	22	25				
52	3	19	22				
53	3	15	18				

Sperm-whales.

Engl. feet.	Number of males.	Engl. feet.	Number of males.
37	1	49	3
38	1	50	6
39	2	51	2
40	2	52	3
42	1	53	4
43	4	54	5
44	15	55	1
45	12	56	1
46	12		
47	6	Sum	93
48	12		

Average size: Males: 46.83 feet.

Table No. 4 (continued).

b. Antarctic, pelagic whaling.

Blue-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
58	—	1	1	83	13	38	51
60	—	1	1	84	20	43	63
62	1	1	2	85	6	39	45
63	1	2	3	86	7	32	39
64	5	4	9	87	2	40	42
65	7	3	10	88	3	26	29
66	9	3	12	89	1	25	26
67	10	6	16	90	—	25	25
68	7	9	16	91	—	10	10
69	4	4	8	92	—	5	5
70	56	56	112	93	—	5	5
71	49	36	85	94	—	2	2
72	71	52	123	97	—	1	1
73	69	55	124				
74	55	38	93	Sum	773	838	1,611
75	59	34	93				
76	58	47	105				
77	40	38	78				
78	44	32	76	Average size			
79	47	27	74	{ Males: 75.57 feet			
80	53	39	92	{ Females: 78.88 "			
81	46	25	71	{ Total animals: 77.29 "			
82	30	34	64	Per cent			
				{ Males: 47.98			
				{ Females: 52.02			

Fin-whales.

45	1	—	1	70	754	952	1,706
46	1	—	1	71	386	904	1,290
47	—	2	2	72	178	963	1,141
48	1	1	2	73	97	850	947
49	—	1	1	74	40	713	753
50	3	5	8	75	17	579	596
51	10	5	15	76	7	359	366
52	10	7	17	77	2	189	191
53	28	23	51	78	3	112	115
54	50	28	78	79	—	51	51
55	62	40	102	80	—	30	30
56	43	41	84	81	—	6	6
57	311	219	530	82	—	3	3
58	407	286	693	83	—	3	3
59	415	311	726	85	—	1	1
60	575	409	984	Sum	12,857	12,245	25,102
61	535	403	938				
62	717	469	1,186				
63	790	480	1,270	Average size			
64	1,036	539	1,575	{ Males: 65.05 feet			
65	1,352	615	1,967	{ Females: 68.10 "			
66	1,370	576	1,946	{ Total animals: 66.54 "			
67	1,478	648	2,126	Per cent			
68	1,277	690	1,967	{ Males: 51.22			
69	901	732	1,633	{ Females: 48.78			

Table No. 4 (continued).

Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
30	—	1	1	45	7	50	57
31	1	1	2	46	3	36	39
32	1	2	3	47	1	14	15
33	1	3	4	48	—	2	2
34	7	1	8	49	—	3	3
35	30	23	53	51	—	1	1
36	55	61	116	Sum	599	826	1,425
37	82	58	140	Average size { Males: 39.03 feet.			
38	91	72	163	{ Females: 40.68 "			
39	73	71	144	{ Total animals: 39.99 "			
40	97	99	196	Per cent { Males: 42.04			
41	68	103	171	{ Females: 57.96			
42	39	87	126				
43	21	73	94				
44	22	65	87				

Sei-whales.

39	1	—	1	54	1	18	19
43	1	1	2	55	—	11	11
45	3	2	5	56	—	4	4
46	7	7	14	Sum	85	189	274
47	12	7	19	Average size { Males: 48.49 feet.			
48	15	11	26	{ Females: 51.29 "			
49	21	11	32	{ Total animals: 50.42 "			
50	14	22	36	Per cent { Males: 31.02			
51	5	35	40	{ Females: 68.98			
52	4	23	27				
53	1	37	38				

Sperm-whales.

Engl. feet.	Number of males.	Engl. feet.	Number of males.
38	7	51	658
39	9	52	510
40	33	53	303
41	66	54	173
42	127	55	89
43	223	56	27
44	357	57	10
45	485	58	1
46	601	Sum	6,845
47	664	Average size:	
48	802	Males: 48.39 feet.	
49	701		
50	999		

**Table No. 5.—Whales caught in the Antarctic in the season 1955/56,
by species, sex and groups of size.**

Total Antarctic.

Blue-whales.

	Number of whales.	Per cent.
Group 1. (70 feet and less).....	190	11.77
" 2. (71 feet to and incl. 85 feet)	1,239	76.77
" 3. (above 85 feet).....	185	11.46
	1,614	100.00
Immature males	290	37.47
" females	352	41.90
" animals	642	39.78
Mature males	484	62.53
" females	488	58.10
" animals	972	60.22

Fin-whales.

	Number of whales.	Per cent.
Group 1. (55 feet and less)	295	1.06
" 2. (56 feet to and incl. 65 feet)	11,412	41.17
" 3. (above 65 feet).....	16,016	57.77
	27,723	100.00
Immature males.....	3,684	26.15
" females.....	3,852	28.25
" animals.....	7,536	27.18
Mature males	10,403	73.85
" females.....	9,784	71.75
" animals	20,187	72.82

a. South Georgia.

Blue-whales.

	Number of whales.	Per cent.
Group 1. (70 feet and less).....	—	—
" 2. (71 feet to and incl. 85 feet)	2	66.67
" 3. (above 85 feet).....	1	33.33
	3	100.00
Immature males.....	1	100.00
" females	—	—
" animals.....	1	33.33
Mature males	—	—
" females	2	100.00
" animals	2	66.67

Table No. 5 (continued).

Fin-whales.

	Number of whales.	Per cent.
Group 1. (55 feet and less)	17	0.65
„ 2. (56 feet to and incl. 65 feet)	1,459	55.67
„ 3. (above 65 feet)	1,145	43.68
	2,621	100.00
Immature males	515	41.87
„ females	583	41.91
„ animals	1,098	41.89
Mature males	715	58.13
„ females	808	58.09
„ animals	1,523	58.11

b. Antarctic, pelagic whaling.

Blue-whales.

	Number of whales.	Per cent.
Group 1. (70 feet and less)	190	11.79
„ 2. (71 feet to and incl. 85 feet)	1,237	76.79
„ 3. (above 85 feet)	184	11.42
	1,611	100.00
Immature males	289	37.39
„ females	352	42.00
„ animals	641	39.79
Mature males	484	62.61
„ females	486	58.00
„ animals	970	60.21

Fin-whales.

	Number of whales.	Per cent.
Group 1. (55 feet and less)	278	1.11
„ 2. (56 feet to and incl. 65 feet)	9,953	39.65
„ 3. (above 65 feet)	14,871	59.24
	25,102	100.00
Immature males	3,169	24.65
„ females	3,269	26.70
„ animals	6,438	25.65
Mature males	9,688	75.35
„ females	8,976	73.30
„ animals	18,664	74.35

Table No. 6.—Average production of oil per blue-whale unit in the Antarctic in the season 1955/56.

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

Geographical areas.	Company.	Blue-whale units. ¹⁾	Oil production.	
			Total.	Average per blue-whale unit.
<i>South Georgia</i>	No. 1	498.0	64,120	128.8
	„ 2	513.0	62,141	121.1
	„ 3	349.8	41,983	120.0
	Total	1,360.8	168,244	123.6
<i>Antarctic, pelagic whaling</i>	No. 1	1,015.9	155,221	152.8
	„ 2	718.7	101,902	141.8
	„ 3	874.2	120,164	137.5
	„ 4	655.2	87,446	133.5
	„ 5	1,149.0	150,765	131.2
	„ 6	674.5	84,478	125.2
	„ 7	962.5	119,241	123.9
	„ 8	694.1	85,193	122.7
	„ 9	559.3	67,931	121.5
	„ 10	631.3	74,707	118.3
	„ 11	1,242.7	146,420	117.8
	„ 12	296.8	33,606	113.2
	„ 13	492.0	55,299	112.4
	„ 14	1,281.0	143,171	111.8
	„ 15	629.2	68,883	109.5
	„ 16	654.8	71,026	108.5
	„ 17	781.1	81,477	104.3
	„ 18	666.7	69,460	104.2
	„ 19	798.7	80,679	101.0
Total		14,777.7	1,797,069	121.6

¹⁾ This refers to whales worked up. ²⁾ Barrel = 170 kg. (Barrel = abt. ¼ long ton. 1 long ton = 1,016 kg.)

Table No. 7.—Size of pregnant whale females caught in the Antarctic in the season 1955/56.

Blue-whale females.

Length of mothers.	Number of pregnant animals.	Length of mothers.	Number of pregnant animals.	
Engl. feet.		Engl. feet.		Number of foetuses measured
70	1	83	17	221
71	—	84	21	of which twin pairs.....
72	1	85	16	4
73	—	86	21	Total number of blue-whale females measured 840, of which pregnant animals 217, or 25.83 per cent.
74	1	87	20	Total number of mature blue-whale females (above 76 feet) measured 488, of which pregnant animals 205, or 42.01 per cent.
75	2	88	18	
76	7	89	14	
77	4	90	15	
78	7	91	7	
79	8	92	4	
80	9	93	3	
81	5			
82	16			
		Total	217	

Table No. 7 (continued).

Fin-whale females.

Length of mothers.	Number of pregnant animals.	Length of mothers.	Number of pregnant animals.	Number of fetuses measured 4,973 of which twin pairs 19 » » triplets. 1
Engl. feet.		Engl. feet.		
58	4	72	614	Total number of fin-whale females measured 13,636, of which pregnant animals 4,952, or 36.32 per cent. Total number of mature fin-whale females (above 64 feet) measured 9,784, of which pregnant animals 4,812, or 49.18 per cent.
59	1	73	556	
60	6	74	466	
61	5	75	365	
62	20	76	267	
63	31	77	128	
64	73	78	80	
65	128	79	41	
66	147	80	18	
67	239	81	3	
68	319	82	3	
69	378	83	3	
70	527			
71	530	Total	4,952	

Humpback females.

Length of mothers.	Number of pregnant animals.	Length of mothers.	Number of pregnant animals.	Number of fetuses measured 277 of which twin pairs. 1
Engl. feet.		Engl. feet.		
36	2	44	44	Total number of humpback females measured 826, of which pregnant animals 276, or 33.41 per cent. Total number of mature humpback females (above 40 feet) measured 434, of which pregnant animals 204, or 47.00 per cent.
37	7	45	29	
38	10	46	20	
39	13	47	9	
40	40	49	2	
41	31	51	1	
42	35			
43	33	Total	276	

Sei-whale females.

Length of mothers.	Number of pregnant animals.	Length of mothers.	Number of pregnant animals.	Number of fetuses measured 171 of which twin pairs 4
Engl. feet.		Engl. feet.		
45	1	54	21	
47	2	55	12	
48	7	56	7	
49	16	57	2	
50	19	58	1	
51	25			
52	20	Total	167	
53	34			

Table No. 8.—Whale fetuses measured in the Antarctic in the season 1955/56, by species and groups of size, in each month.

Blue-whale fetuses.

Groups of size. Engl. feet.	February	March	Total
Less than 1'	1	—	1
1'—1' 11"	1	—	1
2'—2' 11"	1	—	1
3'—3' 11"	2	—	2
4'—4' 11"	4	—	4
5'—5' 11"	3	—	3
6'—6' 11"	8	2	10
7'—7' 11"	10	—	10
8'—8' 11"	15	—	15
9'—9' 11"	10	1	11
10'—10' 11"	20	1	21
11'—11' 11"	18	3	21
12'—12' 11"	27	—	27
13'—13' 11"	12	1	13
14'—14' 11"	19	2	21
15'—15' 11"	12	1	13
16'—16' 11"	17	1	18
17'—17' 11"	11	—	11
18'—18' 11"	9	—	9
19'—19' 11"	1	—	1
20'—20' 11"	6	1	7
21'—21' 11"	1	—	1
Total blue-whale fetuses	208	13	221
Average size of fetuses	12' 0"	12' 1"	12' 0"

Fin-whale fetuses.

Groups of size. Engl. feet.	Oct.	Nov.	Dec.	Jan.	Febr.	March	Total
Less than 1'	2	1	—	14	13	1	31
1'—1' 11"	7	—	2	61	10	—	80
2'—2' 11"	9	3	—	93	51	4	160
3'—3' 11"	9	8	5	166	70	6	264
4'—4' 11"	4	5	11	212	114	9	355
5'—5' 11"	1	7	5	239	126	19	397
6'—6' 11"	1	3	10	306	186	11	517
7'—7' 11"	—	—	7	316	147	16	486
8'—8' 11"	—	1	4	283	221	36	545
9'—9' 11"	—	—	2	224	184	23	433
10'—10' 11"	—	1	1	211	251	30	494
11'—11' 11"	—	—	1	111	190	25	327
12'—12' 11"	—	—	—	75	221	42	338
13'—13' 11"	—	—	—	28	142	28	198
14'—14' 11"	—	—	—	17	122	27	166
15'—15' 11"	—	—	—	5	87	18	110
16'—16' 11"	—	—	—	—	28	12	40
17'—17' 11"	—	—	—	1	8	7	16
18'—18' 11"	—	—	—	2	7	1	10
19'—19' 11"	1	—	—	—	2	1	4
21'—21' 11"	—	—	—	—	—	2	2
Total fin-whale fetuses	34	29	48	2,364	2,180	318	4,973
Average size of fetuses	3' 0"	4' 3"	5' 6"	6' 11"	9' 3"	10' 7"	8' 1"

Table No. 8 (continued).

Humpback foetuses.

Groups of size.	Dec.	Jan.	Febr.	Total.
Engl. feet.				
Less than 1'.....	—	—	—	—
1'— 1' 11".....	—	—	37	37
2'— 2' 11".....	1	—	77	78
3'— 3' 11".....	—	1	91	92
4'— 4' 11".....	—	—	62	62
5'— 5' 11".....	—	—	7	7
6'— 6' 11".....	—	—	1	1
Total humpback foetuses.....	1	1	275	277
Average size of foetuses.....	2' 0"	3' 0"	2' 11"	2' 11"

Sei-whale foetuses.

Groups of size	Jan.	Febr.	March.	Total.
Engl. feet.				
Less than 1'.....	—	—	—	—
1'— 1' 11".....	—	—	—	—
2'— 2' 11".....	—	—	—	—
3'— 3' 11".....	1	1	1	3
4'— 4' 11".....	—	7	2	9
5'— 5' 11".....	1	7	2	10
6'— 6' 11".....	2	6	4	12
7'— 7' 11".....	2	14	4	20
8'— 8' 11".....	3	17	6	26
9'— 9' 11".....	3	19	11	33
10'—10' 11".....	3	15	12	30
11'—11' 11".....	1	6	9	16
12'—12' 11".....	—	1	5	6
13'—13' 11".....	—	—	2	2
14'—14' 11".....	—	—	1	1
15'—15' 11".....	—	—	1	1
16'—16' 11".....	—	—	1	1
17'—17' 11".....	—	1	—	1
Total sei-whale foetuses.....	16	94	61	171
Average size of foetuses.....	7' 11"	8' 0"	9' 5"	8' 6"

Table No. 9.—Whale foetuses measured in the Antarctic in the season 1955/56, by species and sex, in each month.

Kind of foetuses. Months.	Number of		Sex not stated.	Total foetuses.	Number of males per 100 females.
	males.	females.			
Blue-whale foetuses.					
February.....	98	110	—	208	89.09
March.....	5	8	—	13	62.50
Total	103	118	—	221	87.29

Table No. 9 (continued).

Kind of foetuses. Months.	Number of		Sex not stated.	Total foetuses.	Number of males per 100 females.
	males.	females.			
Fin-whale foetuses.					
October.....	25	9	—	34	277.78
November.....	15	14	—	29	107.14
December.....	29	19	—	48	152.63
January.....	1,167	1,191	6	2,364	97.98
February.....	1,092	1,081	7	2,180	101.02
March.....	145	172	1	318	84.30
Total	2,473	2,486	14	4,973	99.48
Humpback foetuses.					
December.....	1	—	—	1	—
January.....	1	—	—	1	—
February.....	136	139	—	275	97.84
Total	138	139	—	277	99.28
Sei-whale foetuses.					
January.....	6	10	—	16	60.00
February.....	50	44	—	94	113.64
March.....	33	28	—	61	117.86
Total	89	82	—	171	108.54

