

INTERNATIONAL
WHALING STATISTICS
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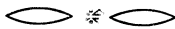


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PREFACE

The present publication, International Whaling Statistics No. L, embraces the results of the Antarctic whaling during the season 1961-62.

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

Oslo, December 1962.

Gunnar Juhn.

Birger Bergersen.

Einar Vangstein.

INTRODUCTION

Regulative provisions.

At the meeting of the International Whaling Commission in 1960 it was — as will appear from the introduction to International Whaling Statistics No. XLVIII — resolved to suspend the maximum catch for the seasons 1960–61 and 1961–62.

Further, the following resolution was passed:—

“In view of the action taken to suspend the limit on the Antarctic pelagic whale catch until the season 1962–63, the Commission resolves it to be of extreme importance that each of the countries engaged in pelagic whaling should limit the size of its national catch to a level in no event greater than that adopted for the season of 1959–60; and that the Secretary be instructed so to inform those Governments.”

For the season 1961–62 the various countries stipulated the following maximum catches:

	Season 1961–62 Blue-whale units
Norway	5,100
Japan	6,680
United Kingdom	1,800
The Netherlands.....	1,200
U.S.S.R.	3,000

When these maximum catches were stipulated, it was taken into consideration that two floating factories, which in 1959–60 were operated for British and Norwegian companies, had later been sold to Japan.

At the meeting of the Commission in 1961 it was resolved that the opening date for the taking of fin- and sei-whales should be December 12th, instead of December 28th, as in the previous seasons.

The most important regulations in the International Whaling Convention for countries operating in the Antarctic in the season 1961–62 were thus as follows:—

1. The open season for the taking of fin- and sei-whales was from December 12th.
2. The open season for the taking of blue-whales was from February 1st.
3. The season was open to April 7th inclusive for the taking of blue-, fin- and sei-whales.

4. The open season for taking of humpback whales was January 20th, 21st, 22nd and 23rd.
5. 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, and female whales accompanied by a calf. The Convention also contained a provision enjoining full utilization of whales.

6. The taking of humpback whales was prohibited between 0° and 60° West Longitude.
7. The open season for sperm-whales was 8 months and the minimum size limit was 38 feet.

The shore station on South Georgia was allowed a 6 months' consecutive catching period, and was otherwise subject to the same provisions as stated in paragraphs 5, 6 and 7, except that the minimum size limit for sperm-whales was 35 feet.

Whaling period.

At the last meeting of the Commission it was resolved that the catch of fin- and sei-whales could commence on December 12th with the same date of termination as previously, viz. April 7th.

Below is given the period of operation and the number of catching days during the last season for the various expeditions or groups of expeditions:

Expeditions	Whaling period	season 1961—62	Catching days
Norwegian	December	12th—April	7th 117
British	December	12th—April	7th 117
Netherlands	December	12th—April	7th 117
Russian	December	12th—April	7th 117
Japanese:			
Nisshin Maru	December	12th—March	28th 107
Nisshin Maru No. 2 . . .	December	12th—March	29th 108
Nisshin Maru No. 3 . . .	December	12th—April	2nd 112
Tonan Maru	December	12th—March	29th 108
Tonan Maru No. 2 . . .	December	12th—March	29th 108
Kyokuyo Maru No. 2 . . .	December	12th—April	7th 117
Kyokuyo Maru No. 3 . . .	December	12th—April	7th 117

Average 115

The catching period for all floating factories averaged about 115 days in 1961-62 as compared with 95 days in 1960-61, 99 days in 1959-60 and 69 days in the three previous seasons.

The whaling period and number of catching days for the pelagic baleen whaling operations in the seasons 1932-33, 1934-35, 1936-37 and as from 1945-46 will be seen from the survey below:

Season	Whaling period	Catching days
1932-33.....	October 20th-April 14th	177
1934-35.....	December 1st-March 31st	121
1936-37.....	December 8th-March 7th	90
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
1956-57.....	January 7th-March 16th	69
1957-58.....	January 7th-March 16th	69
1958-59.....	January 7th-March 16th	69
1959-60.....	December 28th-April 7th	102
1960-61.....	December 28th-April 7th	101
1961-62.....	December 12th-April 7th	117

The whaling period for blue-whales was until and including the season 1952-53 the same as the period for fin-whales. From and including the season 1953-54 the whaling period and the number of catching days for blue-whales have been as follows:—

Season	Whaling period	Catching days
1953-54	January 16th-March 18th	62
1954-55	January 21st-March 19th	58
1955-56	February 1st-March 4th	33
1956-57	February 1st-March 16th	44
1957-58	February 1st-March 16th	44
1958-59	February 1st-March 16th	44
1959-60	February 1st-April 7th	67
1960-61	February 1st-April 7th	66
1961-62	February 1st-April 7th	66

Pursuant to International regulations any catch of humpback whales in the Antarctic waters was forbidden during the seasons 1938/39–1948/49. During each of the seasons 1949/50–1952/53 it was permitted to kill 1,250 humpbacks, and from and including the season 1953–54 4 days have been open for humpback catching. The whaling period for humpbacks since 1949–50 will be seen from the following survey:—

Season	Whaling period	Catching days
1949–50	December 22–January 3rd	13
1950–51	February 1st– 7th	7
1951–52	February 1st– 5th	5
1952–53	{ February 1st– 3rd and February 16th–18th	6
1953–54	February 1st– 4th	4
1954–55	February 1st– 4th	4
1955–56	February 1st– 4th	4
1956–57	February 1st– 4th	4
1957–58	February 1st– 4th	4
1958–59	February 1st– 4th	4
1959–60	January 20th–23rd	4
1960–61	January 20th–23rd	4
1961–62	January 20th–23rd	4

Weekly catch in blue-whale units.

The weekly catch of the last three seasons, based on the telegraphic reports from the whaling grounds, are recorded in table *a*, page 11. When considering the heavy decline in the catch, converted into blue-whale units, towards the end of these seasons, it must be taken into account that some of the expeditions terminated their operations during the period from March 15th to April 1st. As will appear from the table, the highest weekly catch during the last season (from March 18th to March 24th) was 1,406 blue-whale units, and the lowest (from December 24th to December 30th) with all expeditions in operation, was 541 blue-whale units. The corresponding figures for the season 1960–61 were 1,687 units (February 5th–11th) and 1,071 units (February 26th–March 4th).

Whaling matériel.

During the Antarctic season 1961–62 5 countries were participating with a total of 21 floating factories and 261 catchers. This was the same number of floating factories as in the previous season. In 1961–62 U.S.S.R. put into operation another new factory ship, namely “Sovietskaya Rossia”. The Norwegian factory ship “Kosmos III”, which in 1961 was sold to Japan, was this season operating under the name “Nisshin Maru No. 3”.

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

Season 1959—60.		Season 1960—61.		Season 1961—62.	
Week ending	Number of blue-whale units	Week ending	Number of blue-whale units	Week ending	Number of blue-whale units
$28/12$ — $2/1$	1) 1,400	$28/12$ — $31/12$	3) 1,079	$12/12$ — $23/12$	1,483
$9/1$	1,416	$7/1$	1,221	$30/12$	541
$16/1$	1,323	$14/1$	1,394	$6/1$	796
$23/1$	1,490	$21/1$	1,549	$13/1$	1,190
$30/1$	1,151	$28/1$	1,173	$20/1$	962
$6/2$	1,455	$4/2$	1,268	$27/1$	1,134
$13/2$	1,019	$11/2$	1,687	$3/2$	1,187
$20/2$	1,150	$18/2$	1,175	$10/2$	1,271
$27/2$	1,118	$25/2$	1,222	$17/2$	1,142
$5/3$	937	$4/3$	1,071	$24/2$	803
$12/3$	627	$11/3$	1,139	$3/3$	833
$19/3$	901	$18/3$	941	$10/3$	860
$26/3$	794	$25/3$	740	$17/3$	884
$2/4$	267	$1/4$	463	$24/3$	1,406
$7/4$	2) 458	$7/4$	300	$31/3$	478
				$7/4$	272
Total $28/12$ — $7/4$ (102 days)	15,506	Total $28/12$ — $7/4$ (101 days)	16,422	Total $12/12$ — $7/4$ (117 days)	15,242

1) Includes the catch of one expedition from and incl. December 16th 1959.

2) Includes the catch of one expedition up to and incl. April 15th 1960.

3) Includes the catch of one expedition from and incl. November 28th 1960.

Table b.—Number and gross tonnage of floating factories and catchers engaged in pelagic whaling in the Antarctic 1943/44—1961/62.

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	1,751
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
1956-57....	20	320,268	16,013	225	122,569	545	2,073
1957-58....	20	321,656	16,083	237	135,024	570	2,190
1958-59....	20	329,136	16,457	235	140,755	599	2,390
1959-60....	20	357,574	17,879	220	139,266	633	2,557
1960-61....	21	378,835	18,040	252	161,808	642	2,614
1961-62....	21	406,402	19,352	261	170,870	657	2,723

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

The Japanese factory ship "Kinjyo Maru" was, however, withdrawn from Antarctic operations so that the Japanese — as in the previous season — were operating with 7 floating factories.

In the survey below is shown the number of floating factories and catchers operated by the respective countries during the last three seasons:

Countries	Season 1959—60		Season 1960—61		Season 1961—62	
	Floating factories	Catchers	Floating factories	Catcher	Floating factories	Catchers
Norway	8	70	8	81	7	71
United Kingdom	3	31	2	22	2	22
Netherlands	1	13	1	14	1	15
Japan	6	69	7	83	7	86
U. S. S. R.	2	37	3	52	4	67
Total	20	220	21	252	21	261

In addition to the pelagic whaling fleet one shore station with 8 catchers was in the season 1961—62 operating from South Georgia. During most of the previous seasons back to 1945—46 three shore stations carried on whaling from South Georgia.

Table *b*, page 11, gives the number of floating factories and catchers engaged in pelagic whaling since the season 1943—44. The table also shows the average gross tonnage of the floating factories and the average gross tonnage and engine power of the catchers.

The average gross tonnage of the floating factories was 19,352 in 1961—62 as compared with 18,040, 17,879 and 16,457 during the three preceding seasons. The average engine capacity of the catchers increased from 2,557 I.H.P. in 1959—60 to 2,614 I.H.P. in 1960—61 and to 2,723 I.H.P. in the last season.

The increase in the average gross tonnage of the floating factories in the three last seasons is due to the fact that three new Russian floating factories were put into service in the Antarctic in the said seasons, namely: "Sovietskaya Ukraina" in 1959—60, "Juri Dolgorukij" in 1960—61 and "Sovietskaya Rossia" in 1961—62. The average gross tonnage and engine power of the catchers in 1961—62 was almost twice as high as in the season 1947—48. This large increase can also be ascribed to the new Soviet Russian catch matériel. During the 6 last seasons U.S.S.R. has put into service 63 new catchers, each of 843 gross tons and 3,600 I.H.P. During the same period the Japanese whaling fleet has been increased with 29, the Norwegian with 2 and the Netherlands with 3 new catchers.

From the survey on page 14 will be seen the number of floating factories, the number of catchers and the average number of catchers engaged per floating factory from and including the season 1945—46.

Table c.—Total whaling in the 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.	Float-ing factories.	Catch-ers.	
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 ²⁾ 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 ³⁾ 1	33,997	2,303,690	3	19	260	131
1951-52	5,130	22,527	1,556	530	5,485	4 ⁴⁾ 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 ⁴⁾ 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 ⁴⁾ 42	38,580	2,307,171	3	19	278	139
1956-57	1,512	27,757	679	1,692	4,429	4 ⁴⁾ 46	36,115	2,246,922	3	20	246	147
1957-58	1,690	27,473	396	3,309	6,535	4 ⁴⁾ 493	39,896	2,317,638	2	20	257	155
1958-59	1,192	27,128	2,394	2,421	5,652	4 ⁴⁾ 103	38,890	2,152,659	3	20	256	152
1959-60	1,239	27,575	1,338	4,309	4,227	4 ⁴⁾ 204	38,892	2,148,438	3	20	241	161
1960-61	1,744	28,761	718	5,102	4,800	5 ⁵⁾ 164	41,289	2,232,884	3	21	268	154
1961-62	1,118	27,099	309	5,196	4,829	6 ⁶⁾ 4	38,555	2,051,776	1	21	269	143

¹⁾ Right-whales. ²⁾ 703 "Baleen-whales" no specification given, 2 right-whales. ³⁾ Bottlenose. ⁴⁾ Minke-whales. ⁵⁾ 2 right-whales and 162 Minke-whales. ⁶⁾ 1 right-whale, 2 Minke-whales and 1 Baird's beaked whale.

Number of floating factories and catchers engaged in the pelagic whaling:

Season	Number of floating factories	Number of catchers	Average number of catchers per floating factory
1945-46	9	77	8.6
1946-47	15	129	8.6
1947-48	17	162	9.5
1948-49	18	191	10.6
1949-50	18	216	12.0
1950-51	19	239	12.6
1951-52	19	263	13.8
1952-53	16	230	14.4
1953-54	17	206	12.1
1954-55	19	233	12.3
1955-56	19	257	13.5
1956-57	20	225	11.3
1957-58	20	237	11.9
1958-59	20	235	11.8
1959-60	20	220	11.0
1960-61	21	252	12.0
1961-62	21	261	12.4

In 1961-62 the Norwegian expeditions used on an average 10.1 catchers per floating factory, the British expeditions 11.0, the Japanese expeditions 12.3, the Netherlands expedition 15.0 and the Russian expeditions 16.8 catchers.

Catch results.

The total catch of the pelagic expeditions in the season 1961-62 amounted to 32,615 baleen whales, which, converted into blue-whale units, gave 15,252.6 units. This was 1,181 units less than obtained in the season 1960-61. The catch in 1961-62 with specification in respect to the various species of whales killed, was as follows:

Species of whales	Processed whales	Lost whales	Total captured whales	Catch in blue-whale units
Blue-whales	1,116	2	1,118	1,118.0
Fin-whales	26,378	60	26,438	13,219.0
Humpbacks	309	—	309	123.6
Sei-whales	4,720	29	4,749	791.5
Right-whales	1	—	1	0.5
Total baleen whales	32,524	91	32,615	15,252.6
Sperm-whales	4,723	20	4,743	—
Total of whales	37,247	111	37,358	15,252.6

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) ¹ 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) ¹ 10	6,394	378,850	1	14	47	136
1926-27	2,856	3,958	189	413	22	2) ¹ 12	7,450	455,070	1	16	57	131
1927-28	6,209	3,102	23	788	12	2) ¹ 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 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 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 1	36,681	2,709,281	—	34	270	136
1939-40	11,392	17,757	2	1	1,853	3) ¹ 704	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	175
1947-48	6,862	18,999	2	12	2,494	—	28,369	1,940,653	—	17	162	149
1948-49	7,399	17,201	13	16	3,865	—	28,494	2,047,427	—	18	191	179
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 1	31,180	2,152,498	—	19	239	130
1951-52	5,124	20,520	1,546	32	5,344	5) ¹ 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) ¹ 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) ¹ 42	35,531	2,134,808	—	19	257	138
1956-57	1,505	25,700	679	712	4,345	5) ¹ 46	32,987	2,098,854	—	20	225	147
1957-58	1,684	25,222	396	2,385	6,310	5) ¹ 493	36,490	2,146,206	—	20	237	154
1958-59	1,191	25,837	2,394	1,402	5,437	5) ¹ 103	36,364	2,050,241	—	20	235	155
1959-60	1,230	26,415	1,338	3,234	4,138	5) ¹ 204	36,559	2,050,892	—	20	220	166
1960-61	1,740	27,374	718	4,310	4,666	6) ¹ 164	38,972	2,123,157	—	21	252	155
1961-62	1,118	26,438	309	4,749	4,743	7) ¹ 4	37,361	2,001,961	—	21	261	143

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. ⁶) 2 right-whales and 162 Minke-whales. ⁷) 1 right-whale, 2 Minke-whales and 1 Baird's beaked whale.

Table e.—Average production per floating factory and catcher in the pelagic whaling in Antarctic 1930/31—1938/39 and 1948/49—1961/62.

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.
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
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
1956-57	1,883,961	20	94,198	1,371	69	27,304	1,374
1957-58	1,845,147	20	92,257	1,381	69	26,741	1,336
1958-59	1,798,447	20	89,922	1,385	69	26,064	1,299
1959-60	1,859,375	20	92,969	1,973	99	18,782	942
1960-61	1,915,118	21	91,196	2,004	95	20,159	956
1961-62	1,797,178	21	85,580	2,415	115	15,628	744

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 ¹⁾ per catcher's day-work
				Total.	Average per catcher.		
	Barrels.		Barrels.			Barrels.	
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
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
1956-57....	1,883,961	225	8,373	15,429	69	122	1.85
1957-58....	1,845,147	237	7,785	16,344	69	113	1.82
1958-59....	1,798,447	235	7,653	16,275	69	111	1.89
1959-60....	1,859,375	220	8,452	21,356	97	87	1.52
1960-61....	1,915,118	252	7,600	23,998	95	80	1.42
1961-62....	1,797,178	261	6,886	29,952	115	60	1.09

¹⁾ 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
1956-57.....	4.6	78.0	2.0	2.2	13.2	100
1957-58.....	4.7	70.1	1.1	6.6	17.5	100
1958-59.....	3.3	71.2	6.6	3.9	15.0	100
1959-60.....	3.4	72.6	3.7	8.9	11.4	100
1960-61.....	4.5	70.5	1.9	11.1	12.0	100
1961-62.....	3.0	70.8	0.8	12.7	12.7	100

The pelagic catch in blue-whale units in the season 1961-62 was apportioned among the participating countries as follows:

Japan	6,574.2	blue-whale units
Norway	3,701.6	—»—
U. S. S. R.	3,292.3	—»—
United Kingdom	1,069.7	—»—
The Netherlands	614.8	—»—

Total 15,252.6 blue-whale units

In 1961-62 the pelagic expeditions processed 15,215.8 blue-whale units, from which were produced 1,797,178 barrels whale-oil. From 4,723 sperm-whales there were produced 204,783 barrels sperm-oil.

The total whaling results in the Antarctic from 1919-20 up to and including 1961-62 are given in table *c*, page 13. In table *d*, page 15, the *pelagic* results during the same period have been recorded separately.

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

Species of whales, and seasons.	Nov.	Dec.	Jan.	Feb.	March.	April.	Total.	The Whaling Statistics' total figures.	
<i>Total animals.</i>	1938-39..	1,362	10,138	12,618	9,978	2,569	—	1) 36,665	1) 36,681
	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
	1956-57..	373	2,753	11,483	14,000	4,114	—	32,723	32,941
	1957-58..	1,259	3,669	11,428	11,886	7,575	—	35,817	35,997
	1958-59..	731	3,477	12,623	12,800	6,453	—	36,089	36,261
	1959-60..	359	4,464	12,917	10,710	6,584	1,144	36,178	36,355
1960-61..	1,086	4,104	12,445	11,491	8,559	996	38,681	38,808	
1961-62..	1,356	5,431	10,135	9,458	9,857	985	37,222	37,357	
<i>Blue- whales.</i>	1938-39..	849	5,128	4,892	2,365	605	—	13,839	13,849
	1953-54..	1	1	567	1,365	734	—	2,668	2,684
	1954-55..	—	—	645	965	544	—	2,154	2,163
	1955-56..	—	1	1	1,503	106	—	1,611	1,611
	1956-57..	—	1	1	1,178	325	—	1,505	1,505
	1957-58..	—	1	1	1,476	205	—	1,683	1,684
	1958-59..	—	—	—	780	407	—	1,187	1,191
	1959-60..	—	2	—	485	716	25	1,228	1,230
1960-61..	—	1	—	1,267	457	14	1,739	1,740	
1961-62..	—	—	1	690	319	106	1,116	1,118	
<i>Fin- whales.</i>	1938-39..	64	3,608	6,956	7,057	1,792	—	19,477	19,477
	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
	1956-57..	—	3	10,777	11,345	3,377	—	25,502	25,700
	1957-58..	—	6	10,746	8,805	5,510	—	25,067	25,222
	1958-59..	—	7	11,818	8,615	5,247	—	25,687	25,837
	1959-60..	2	1,892	10,721	8,153	4,579	924	26,271	26,415
1960-61..	73	2,074	10,714	7,871	5,983	584	27,299	27,374	
1961-62..	—	4,100	8,408	7,002	6,647	207	26,364	26,438	
<i>Hump- backs.</i>	1938-39..	134	456	235	58	—	—	883	883
	1953-54..	—	—	—	587	6	—	593	594
	1954-55..	—	3	2	487	—	—	492	493
	1955-56..	—	2	2	1,421	—	—	1,425	1,432
	1956-57..	—	—	—	673	—	—	673	679
	1957-58..	—	—	1	395	—	—	396	396
	1958-59..	—	—	—	2,393	—	—	2,393	2,394
	1959-60..	—	—	1,257	74	1	—	1,332	1,338
1960-61..	—	7	698	4	—	—	709	718	
1961-62..	—	1	306	—	—	2	309	309	
<i>Sei- whales.</i>	1938-39..	—	—	—	—	1) 4	—	1) 4	1) 4
	1953-54..	—	—	60	147	42	—	249	251
	1954-55..	—	—	7	95	43	—	145	146
	1955-56..	—	—	13	201	60	—	274	276
	1956-57..	—	—	83	428	197	—	708	712
	1957-58..	—	—	46	681	1,648	—	2,375	2,385
	1958-59..	—	—	205	586	603	—	1,394	1,402
	1959-60..	—	22	556	1,532	1,010	99	3,219	3,234
1960-61..	—	4	602	1,901	1,583	190	4,280	4,310	
1961-62..	—	198	598	1,336	2,242	342	4,716	4,749	
<i>Sperm- whales.</i>	1938-39..	315	946	535	498	168	—	2,462	2,468
	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
	1956-57..	373	2,749	622	376	215	—	4,335	4,345
	1957-58..	1,259	3,662	634	529	212	—	6,296	6,310
	1958-59..	731	3,470	605	426	196	—	5,428	5,437
	1959-60..	357	2,548	383	466	278	96	4,128	4,138
1960-61..	1,013	2,018	431	448	536	208	4,654	4,666	
1961-62..	1,356	1,132	822	430	649	328	4,717	4,743	

1) 1 right-whale included.

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

Species of whales. 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
	1953-54	100.0	100.0	100.0	100.0	100.0	100.0	100.0

<i>Blue-whales</i>	1938-39	62.4	50.6	38.8	23.7	23.6	-	37.8
	1953-54	1.6	0.1	4.6	13.3	11.8	-	8.7
	1954-55	-	-	5.0	8.5	9.2	-	6.3
	1955-56	-	-	-	10.2	5.7	-	4.6
	1956-57	-	-	-	8.4	7.9	-	4.6
	1957-58	-	-	-	12.4	2.7	-	4.7
	1958-59	-	-	-	6.1	6.3	-	3.3
	1959-60	-	-	-	4.5	10.9	2.2	3.4
1960-61	-	-	-	11.0	5.3	1.4	4.5	
1961-62	-	-	-	7.3	3.2	10.8	3.0	
<i>Fin-whales</i>	1938-39	4.7	35.6	55.1	70.7	69.8	-	53.1
	1953-54	1.5	0.5	92.6	77.7	84.2	-	79.9
	1954-55	-	0.1	86.6	83.5	83.8	-	75.2
	1955-56	-	-	92.2	74.9	71.6	-	71.2
	1956-57	-	0.1	93.9	81.0	82.1	-	77.9
	1957-58	-	0.2	94.0	74.1	72.7	-	70.0
	1958-59	-	0.2	93.6	67.3	81.3	-	71.2
	1959-60	0.6	42.4	83.0	76.1	69.5	80.8	72.6
1960-61	6.7	50.5	86.1	68.5	69.9	58.6	70.6	
1961-62	-	75.5	83.0	74.0	67.4	21.0	70.8	
<i>Hump-backs</i>	1938-39	9.8	4.5	1.9	0.6	-	-	2.4
	1953-54	-	-	-	5.7	-	-	1.9
	1954-55	-	0.1	-	4.3	-	-	1.5
	1955-56	-	0.1	-	9.6	-	-	4.0
	1956-57	-	-	-	4.8	-	-	2.1
	1957-58	-	-	-	3.3	-	-	1.1
	1958-59	-	-	-	18.7	-	-	6.6
	1959-60	-	-	9.7	0.7	0.1	-	3.7
1960-61	-	0.2	5.6	0.1	-	-	1.8	
1961-62	-	-	3.0	-	-	0.2	0.8	
<i>Sei-whales</i>	1938-39	-	-	-	-	0.1	-	-
	1953-54	-	-	0.5	1.4	0.7	-	0.8
	1954-55	-	-	0.1	0.8	0.7	-	0.4
	1955-56	-	-	0.1	1.4	3.3	-	0.8
	1956-57	-	-	0.7	3.1	4.8	-	2.2
	1957-58	-	-	0.4	5.7	21.8	-	6.6
	1958-59	-	-	1.6	4.6	9.4	-	3.9
	1959-60	-	0.5	4.3	14.3	15.3	8.6	8.9
1960-61	-	0.1	4.8	16.5	18.5	19.1	11.1	
1961-62	-	3.6	5.9	14.1	22.8	34.7	12.7	
<i>Sperm-whales</i>	1938-39	23.1	9.3	4.2	5.0	6.5	-	6.7
	1953-54	100.0	99.4	2.3	1.9	3.3	-	8.7
	1954-55	100.0	99.8	8.3	2.9	6.3	-	16.6
	1955-56	100.0	99.9	7.7	3.9	19.4	-	19.4
	1956-57	100.0	99.9	5.4	2.7	5.2	-	13.2
	1957-58	100.0	99.8	5.6	4.5	2.8	-	17.6
	1958-59	100.0	99.8	4.8	3.3	3.0	-	15.0
	1959-60	99.4	57.1	3.0	4.4	4.2	8.4	11.4
1960-61	93.3	49.2	3.5	3.9	6.3	20.9	12.0	
1961-62	100.0	20.9	8.1	4.6	6.6	33.3	12.7	

In the season 1961–62 a total of 1,118 blue-whales were killed by the pelagic expeditions as compared with 1,740 in 1960–61 and 1,230 in 1959–60. Of these catches a number of about 360 blue-whales in 1961–62, about 1,100 blue-whales in 1960–61 and about 250 blue-whales in 1959–60 were taken in the waters between 40° and 50° South. In the fields south of 50° South the catch of blue-whales in 1961–62 amounted to about 750, as compared with about 600 in 1960–61 and about 1,000 in 1959–60.

The catch of fin-whales in 1961–62 amounted to 26,438 animals as compared with 27,374 in the preceding season. The catch of fin-whales in the season 1960–61 was, however, the largest ever recorded in one single season. The catch of humpbacks has declined considerably since the season 1958–59, when 2,394 humpbacks were killed. In 1959–60 the catch was 1,338, in 1960–61 718 and in 1961–62 309 humpbacks. The sei-whale catch in the season 1961–62 amounted to 4,749 animals, and this was the highest catch ever recorded for one season in the Antarctic pelagic whaling. The catch of sperm-whales last season amounted to 4,743 animals as compared with 4,666 in 1960–61.

Table *e*, page 16, gives *i.a.* the average daily production of whale oil per floating factory as well as per catcher. The average daily production per floating factory in 1961–62 amounted to 744 barrels as against 956 and 942 barrels in the two previous seasons. During the seasons 1949/50–1958/59 the corresponding figures have varied between 1,266 and 1,690 barrels.

The average daily production of whale oil per catcher in 1961–62 was only 60 barrels, which is the lowest figure ever recorded in pelagic whaling. During the seasons 1949/50–1958/59 the average daily production per catcher varied between 103 and 126 barrels.

Table *f*, page 17, illustrates the relation between the various species of whales killed in pelagic operations in the Antarctic from 1928–29. In the season 1961–62 only 3.0 per cent of all whales killed were blue-whales against 4.5 and 3.4 per cent in the two preceding seasons. The fin-whale catch in 1961–62 represented 70.8 per cent. In the two preceding seasons the figures were 70.5 and 72.6 per cent, respectively. During the four last seasons the number of humpbacks killed has declined considerably, from 6.6 per cent in 1958–59 to 3.7 per cent in 1959–60, to 1.9 per cent in 1960–61 and to only 0.8 per cent in the last season. On the other hand, the catch of sei-whales increased from 3.9 per cent in 1958–59 to 8.9, 11.1 and 12.7 per cent, respectively, during the three following seasons. The sperm-whale catch represented 12.7 per cent of all whales killed in 1961–62 against 12.0 per cent in the preceding season.

In the survey on next page 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.

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

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
1956-57	1,505	5.5	25,700	94.5
1957-58	1,684	6.3	25,222	93.7
1958-59	1,191	4.4	25,837	95.6
1959-60	1,230	4.4	26,415	95.6
1960-61	1,740	6.0	27,374	94.0
1961-62	1,118	4.1	26,438	95.9

during the 2 last seasons represented only about 5 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 blue-whales occur most frequently during the Antarctic spring months, i.e. October, November and December. Later in the season the fin-whale is more abundant. In order to obtain a larger oil output, 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 seven last seasons, 1955/56-1961/62, the opening day of the blue-whale season was February 1st, while the blue-whale catch in 1932-33 commenced on October 20th.

Table i.—Number and average size of whales caught

No.	Species of whales. Seasons.	Area II (60° W.-0°)			Area III (0°-70° E.)			Area IV (70° E.-130° E.)		
		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	1931/32-1939/40	¹⁾ 24,101	19.7	78.9	53,314	43.6	78.3	43,511	35.6	79.9
2	1940/41-1946/47	4,562	31.0	78.2	6,099	41.5	78.3	3,346	22.8	78.1
3	1947-48	1,536	22.5	76.7	1,890	27.6	78.6	1,952	28.5	79.4
4	1948-49	2,022	27.4	78.6	2,981	40.4	79.3	1,325	18.0	79.1
5	1949-50	1,064	17.3	78.4	1,512	24.7	78.5	925	15.1	78.9
6	1950-51	1,514	21.9	77.3	1,427	20.6	77.8	1,076	15.5	77.7
7	1951-52	447	8.8	78.2	1,836	36.0	79.2	1,199	23.5	77.7
8	1952-53	727	18.9	78.9	1,454	37.8	77.7	837	21.8	77.0
9	1953-54	542	20.3	78.1	1,569	58.8	78.2	356	13.4	77.2
10	1954-55	470	21.8	79.0	685	31.8	78.1	310	14.4	77.6
11	1955-56	439	27.3	77.1	300	18.6	78.8	322	20.0	77.7
12	1956-57	330	21.9	76.9	275	18.3	78.4	80	5.3	78.5
13	1957-58	236	14.0	77.8	620	36.9	77.4	186	11.1	76.7
14	1958-59	57	4.8	80.5	373	31.4	79.0	335	28.2	78.0
15	1959-60	58	4.7	79.2	231	18.8	77.4	403	32.8	73.3
16	1960-61	128	7.4	79.7	1,152	66.2	72.6	151	8.7	71.8
17	1961-62	189	16.9	77.6	477	42.8	72.9	97	8.7	74.0
	1931/32-1961/62	38,422	20.4	78.6	76,195	40.5	78.2	56,411	30.0	79.5
Fin-whales.										
1	1931/32-1939/40	²⁾ 39,987	39.3	67.7	39,179	38.5	67.5	20,487	20.2	68.3
2	1940/41-1946/47	11,595	51.2	67.1	7,231	31.9	68.0	3,355	14.8	67.3
3	1947-48	6,136	32.5	68.1	6,483	34.4	67.8	4,654	24.7	67.9
4	1948-49	4,995	29.2	67.4	6,457	37.8	68.5	3,068	18.0	67.4
5	1949-50	7,150	40.0	67.5	5,117	28.6	67.5	2,940	16.5	66.6
6	1950-51	5,081	29.4	66.4	4,133	23.9	66.2	4,210	24.3	66.5
7	1951-52	5,977	29.4	67.9	7,122	35.1	68.1	2,141	10.5	67.3
8	1952-53	4,551	21.7	68.1	11,364	54.2	67.1	1,449	6.9	66.2
9	1953-54	7,653	31.0	67.4	11,459	46.4	67.0	2,195	8.9	67.0
10	1954-55	4,963	19.4	67.3	13,607	53.1	66.4	2,790	10.9	66.4
11	1955-56	6,619	26.4	66.2	7,088	28.2	66.8	3,208	12.8	66.5
12	1956-57	10,697	41.9	67.4	3,812	15.0	67.2	291	1.1	64.6
13	1957-58	5,211	20.8	67.3	9,197	36.7	66.7	3,579	14.3	65.6
14	1958-59	4,298	16.7	67.1	9,385	36.6	66.4	7,277	28.3	66.5
15	1959-60	4,920	18.7	66.9	9,307	35.4	66.7	6,501	24.8	66.3
16	1960-61	5,223	19.1	66.6	13,269	48.6	67.5	2,086	7.7	65.7
17	1961-62	6,650	25.2	67.5	11,847	44.9	66.7	3,129	11.9	64.8
	1931/32-1961/62	141,706	30.2	67.4	176,057	37.6	67.2	73,360	15.7	67.1
Humpbacks.										
1	1931/32-1940/41	³⁾ 1,288	9.3	41.3	6,257	45.3	40.8	6,243	45.2	40.6
2	1946/47-1948/49	6	37.5	44.0	9	56.3	41.7	1	6.2	45.0
3	1949-50	172	8.2	41.0	251	11.9	41.7	779	37.0	40.4
4	1950-51	2	0.1	38.5	20	1.2	38.8	1,112	68.5	40.5
5	1951-52	33	2.2	42.9	189	12.3	42.0	1,127	73.6	39.9
6	1952-53	14	1.5	44.6	218	23.2	41.2	191	20.3	39.1
7	1953-54	13	2.2	41.2	172	29.0	41.0	258	43.5	39.3
8	1954-55	2	0.4	42.5	142	28.9	41.4	-	-	-
9	1955-56	-	-	-	64	4.5	41.1	824	57.8	39.8
10	1956-57	-	-	-	8	1.2	40.8	-	-	-
11	1957-58	-	-	-	116	29.3	41.0	-	-	-
12	1958-59	-	-	-	95	4.0	42.4	1,796	75.0	39.6
13	1959-60	-	-	-	156	11.7	41.5	66	5.0	39.6
14	1960-61	3	0.4	37.3	117	16.5	41.1	4	0.6	47.5
15	1961-62	3	1.0	42.7	33	10.7	42.1	56	18.1	39.6
	1931/32-1961/62	1,536	5.4	41.3	7,847	27.7	40.9	12,457	43.9	40.3

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 (130° E.-170° W.)			Area VI (170° W.-120° W.)			Area I (120° W.-60° W.)			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	Number of whales caught.	Per cent.	Average size of the whales.		
		Eng. ft.			Eng. ft.			Eng. ft.			Eng. ft.		
1,326	1.1	79.9	1	—	82.0	10	—	72.9	^{b)} 122,263	100	79.0	128,191	1
693	4.7	77.6	—	—	—	—	—	—	14,700	100	78.2	18,552	2
1,467	21.4	78.7	—	—	—	—	—	—	6,845	100	78.4	6,862	3
1,013	13.8	79.1	30	0.4	80.9	—	—	—	7,371	100	79.1	7,399	4
1,494	24.4	79.8	1,137	18.5	79.4	—	—	—	6,132	100	79.0	6,168	5
2,211	31.9	79.3	655	9.5	78.8	45	0.6	77.7	6,928	100	78.2	6,966	6
1,462	28.6	76.9	157	3.1	77.5	—	—	—	5,101	100	78.0	5,124	7
512	13.3	76.4	317	8.2	76.9	—	—	—	3,847	100	77.5	3,866	8
83	3.1	78.2	117	4.4	76.7	—	—	—	2,667	100	78.0	2,654	9
561	26.0	76.4	128	6.0	77.0	—	—	—	2,154	100	77.8	2,163	10
15	0.9	79.1	281	17.4	76.2	254	15.8	76.3	1,611	100	77.3	1,611	11
—	—	—	617	41.0	76.3	203	13.5	76.9	1,505	100	77.0	1,505	12
76	4.5	76.9	440	26.1	76.9	125	7.4	76.1	1,683	100	77.1	1,684	13
176	14.9	78.5	246	20.7	76.9	—	—	—	1,187	100	78.3	1,191	14
391	31.8	76.6	127	10.4	76.9	18	1.5	78.7	1,228	100	75.9	1,230	15
90	5.2	78.6	213	12.2	78.0	5	0.3	77.0	1,739	100	74.0	1,740	16
74	6.6	77.4	58	5.2	76.4	221	19.8	78.2	1,116	100	75.3	1,118	17
11,644	6.2	78.5	4,524	2.4	77.8	881	0.5	77.0	188,077	100	78.7	198,054	
1,993	2.0	68.1	—	—	—	77	—	64.7	^{b)} 101,723	100	67.7	108,883	1
478	2.1	65.9	—	—	—	—	—	—	22,659	100	67.4	28,895	2
1,591	8.4	67.9	—	—	—	—	—	—	18,864	100	67.9	18,999	3
2,489	14.6	68.2	72	0.4	68.4	—	—	—	17,081	100	67.9	17,201	4
1,664	9.3	67.6	1,005	5.6	69.0	—	—	—	17,876	100	67.5	18,061	5
2,198	12.7	67.4	1,212	7.0	68.2	462	2.7	68.5	17,296	100	66.6	17,474	6
2,768	13.6	67.9	2,304	11.4	67.6	—	—	—	20,312	100	67.9	20,520	7
1,709	8.2	66.8	1,891	9.0	67.7	—	—	—	20,964	100	67.3	21,197	8
654	2.7	66.9	2,616	10.6	66.8	98	0.4	66.6	24,675	100	67.1	24,986	9
3,021	11.8	66.0	1,227	4.8	66.4	—	—	—	25,608	100	66.5	25,878	10
1,494	5.9	66.0	2,585	10.3	66.2	4,108	16.4	67.1	25,102	100	66.5	25,289	11
23	0.1	65.0	5,064	19.9	65.9	5,615	22.0	66.8	25,502	100	66.9	25,700	12
1,130	4.5	64.4	4,107	16.4	65.1	1,843	7.3	66.1	25,067	100	66.2	25,222	13
2,625	10.2	65.6	2,102	8.2	64.6	—	—	—	25,687	100	66.3	25,837	14
4,730	18.0	66.8	401	1.5	65.1	412	1.6	64.5	26,271	100	66.6	26,415	15
3,174	11.6	66.9	3,174	11.6	64.9	373	1.4	65.2	27,299	100	66.8	27,374	16
1,098	4.2	65.5	1,120	4.2	64.9	2,520	9.6	66.0	26,364	100	66.5	26,438	17
32,839	7.0	66.9	28,880	6.2	66.1	15,508	3.3	66.6	468,350	100	67.1	484,369	
28	0.2	40.3	—	—	—	—	—	—	^{b)} 13,816	100	40.7	16,223	1
—	—	—	—	—	—	—	—	—	16	100	42.8	16	2
903	42.9	40.5	—	—	—	—	—	—	2,105	100	40.6	2,117	3
162	10.0	42.0	66	4.1	41.2	262	16.1	41.5	1,624	100	40.8	1,630	4
146	9.5	41.6	37	2.4	41.7	—	—	—	1,532	100	40.4	1,546	5
505	53.6	41.3	13	1.4	45.3	—	—	—	941	100	40.9	954	6
14	2.4	42.7	136	22.9	41.2	—	—	—	593	100	40.3	594	7
171	34.8	39.8	177	35.9	41.9	—	—	—	492	100	41.1	493	8
194	13.6	39.4	329	23.1	40.3	14	1.0	43.3	1,425	100	40.0	1,432	9
—	—	—	10	1.5	42.3	655	97.3	41.4	673	100	41.4	679	10
23	5.8	41.0	167	42.2	41.8	90	22.7	41.9	396	100	41.5	396	11
502	21.0	40.7	—	—	—	—	—	—	2,393	100	40.0	2,394	12
931	69.9	40.8	—	—	—	179	13.4	41.8	1,332	100	40.9	1,338	13
293	41.3	40.9	210	29.6	41.7	82	11.6	42.5	709	100	41.4	718	14
—	—	—	92	29.8	41.1	125	40.4	42.1	309	100	41.4	309	15
3,872	13.6	40.7	1,237	4.4	41.3	1,407	5.0	41.7	28,356	100	40.7	^{b)} 30,841	

length not stated. ^{a)} 2 humpbacks caught in the season 1939/40 are included.

Table j.—Number of whales killed during the seasons 1931/32—1961/62.

— 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.....	38,422	20.4	141,706	30.2	1,536	5.4	16,168	21.8	197,832	26.1
III.....	76,195	40.5	176,057	37.6	7,847	27.7	27,341	36.9	287,440	37.9
IV.....	56,411	30.0	73,360	15.7	12,457	43.9	16,422	22.2	158,650	20.9
V.....	11,644	6.2	32,839	7.0	3,872	13.6	10,085	13.6	58,440	7.7
VI.....	4,523	2.4	28,880	6.2	1,237	4.4	2,171	2.9	36,811	4.8
I.....	881	0.5	15,508	3.3	1,407	5.0	1,940	2.6	19,736	2.6
Total.....	188,076	100.0	468,350	100.0	28,356	100.0	74,127	100.0	758,909	100.0

— 2 —

Species of whales	Area II		Area III		Area IV		Area V		Area VI		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	No. of whales	Per cent
Blue.....	38,422	19.4	76,195	26.5	56,411	35.6	11,644	19.9	4,523	12.3	881	4.5	188,076	24.8
Fin.....	141,706	71.6	176,057	61.3	73,360	46.2	32,839	56.2	28,880	78.4	15,508	78.6	468,350	61.7
Humpback	1,536	0.8	7,847	2.7	12,457	7.8	3,872	6.6	1,237	3.4	1,407	7.1	28,356	3.7
Sperm....	16,168	8.2	27,341	9.5	16,422	10.4	10,085	17.3	2,171	5.9	1,940	9.8	74,127	9.8
Total....	197,832	100.0	287,440	100.0	158,650	100.0	58,440	100.0	36,811	100.0	19,736	100.0	758,909	100.0

In tables *g* and *h*, pages 18 and 19, the monthly catch of the various species of whales is recorded in absolute and percentage figures for a series of years. These figures and the corresponding figures for the preceding post-war seasons show that the blue-whale catch in each month during the post-war seasons has represented an ever smaller part of the total catch. Most of the figures are, however, to some extent influenced by the above mentioned postponement and curtailment of the whaling period. Only the month of January during the seasons up to and including 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 on next page gives a more correct basis of comparison between the blue-whale catch of later and 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	Blue-whales in per cent of all blue- and fin-whales killed Febr. 1st—March 4th	Season	Blue-whales in per cent of all blue- and fin-whales killed Febr. 1st—March 4th
1931–32	.... 61.9	1949–50	.... 25.7
1932–33	.... 50.3	1950–51	.... 28.7
1933–34	.... 46.6	1951–52	.... 25.9
1934–35	.... 38.4	1952–53	.... 14.0
1935–36	.... 50.8	1953–54	.... 14.0
1936–37	.... 29.9	1954–55	.... 9.5
1937–38	.... 16.5	1955–56	.... 11.5
1938–39	.... 24.5	1956–57	.... 9.4
1945–46	.... 31.9	1957–58	.... 13.5
1946–47	.... 31.9	1958–59	.... 7.8
1947–48	.... 22.9	1959–60	.... 5.7
1948–49	.... 25.2	1960–61	.... 13.5
		1961–62	.... 8.6

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 latest seasons. In 1959–60 the percentage proportion of blue-whales reached a minimum figure of 5.7. In 1960–61 it increased to 13.5, but decreased again in 1961–62 to 8.6.

Catch in the different areas.

For the purpose of obtaining more detailed information on the pelagic activities in the Antarctic the area round the South Pole cap has been divided into the following 6 areas:—

Area	I	between	60°	west	and	120°	west
"	II	"	0°	"	60°	"	"
"	III	"	0°	"	70°	east	"
"	IV	"	70°	east	"	130°	"
"	V	"	130°	"	"	170°	west
"	VI	"	170°	west	"	120°	"

From the survey on the next page will be seen the whaling results in the individual areas during the three latest seasons.

Table k.—Average size of whales killed in the Antarctic, by whaling grounds and species of whales 1938/39 and 1951/52—1961/62.

Whaling grounds and species of whales.	1938-39	1951-52	1952-53	1953-54	1954-55	1955-56	1956-57	1957-58	1958-59	1959-60	1960-61	1961-62
	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.
Pelagic whaling.												
<i>Blue-whales.</i>												
Males	76.6	76.4	75.8	76.0	75.7	75.6	75.8	75.4	76.0	74.5	72.8	73.8
Females	79.5	79.5	79.1	79.6	79.5	78.9	78.4	79.0	80.2	77.0	75.2	76.7
Total animals	78.0	78.0	77.5	78.0	77.8	77.3	77.0	77.1	78.3	75.9	74.0	75.3
<i>Fin-whales.</i>												
Males	65.7	66.4	65.7	65.6	65.1	65.1	65.3	64.7	64.8	65.0	65.1	64.4
Females	68.9	69.4	68.8	68.7	68.0	68.1	68.6	67.7	67.8	68.1	68.4	68.2
Total animals	67.2	67.9	67.3	67.1	66.5	66.5	66.9	66.2	66.3	66.6	66.8	66.5
<i>Humpbacks.</i>												
Males	37.7	39.3	39.5	39.6	39.9	39.0	40.7	40.8	39.2	39.8	40.6	40.4
Females	40.5	41.4	42.0	41.1	41.8	40.7	42.1	42.1	40.7	41.8	42.2	41.9
Total animals	39.6	40.4	40.9	40.3	41.1	40.0	41.4	41.5	40.0	40.9	41.4	41.4
<i>Sei-whales.</i>												
Males	49.3	49.9	49.6	47.0	44.9	48.5	48.7	48.3	48.8	48.7	48.6	48.7
Females	56.0	51.9	52.3	50.8	47.9	51.3	51.3	51.3	51.4	51.3	51.4	51.3
Total animals	51.0	51.0	51.6	49.2	46.5	50.4	50.4	50.3	50.8	50.5	50.2	50.3
<i>Sperm-whales.</i>												
Males	52.8	49.9	49.9	49.2	48.9	48.4	48.7	47.5	47.2	47.3	46.8	46.3
Females	—	—	—	—	—	—	—	36.5	—	39.0	—	41.0
Total animals	52.8	49.9	49.9	49.2	48.9	48.4	48.7	47.5	47.2	47.3	46.8	46.3
South Georgia.												
<i>Blue-whales</i> , total ...	75.8	72.0	74.0	73.3	73.0	81.3	71.7	74.5	64.0	73.0	72.8	—
<i>Fin-whales</i> , total ...	65.4	66.0	65.4	64.0	64.8	65.0	63.8	66.1	65.9	66.4	64.0	62.9
<i>Humpbacks</i> , total ...	—	39.8	40.1	39.4	40.0	—	—	—	—	—	—	—
<i>Sei-whales</i> , total ...	50.9	50.5	50.1	49.3	50.0	50.0	49.5	50.1	49.8	49.5	49.3	48.6
<i>Sperm-whales</i> , total..	50.3	48.1	46.7	47.0	48.7	46.8	45.7	47.1	46.5	47.6	46.9	46.7

Areas	Catch in blue-whale units 1959-60		Catch in blue-whale units 1960-61		Catch in blue-whale units 1961-62	
	Number	Per cent	Number	Per cent	Number	Per cent
Total	15,421	100.0	16,375	100.0	15,229	100.0
Of which in:						
Area II.....	2,585	16.8	2,929	17.9	3,729	24.5
” III.....	4,983	32.3	7,885	48.1	6,488	42.6
” IV.....	3,765	24.4	1,211	7.4	1,792	11.8
” V.....	3,401	22.0	1,887	11.5	693	4.5
” VI.....	365	2.4	2,222	13.6	718	4.7
” I.....	322	2.1	241	1.5	1,809	11.9

Also in the season 1961-62 the most favourable whaling results were obtained in Areas II and III, viz. 10,200 blue-whale units, or about 67 per cent of the total catch. In this connection it may be mentioned that from the season 1945-46 inclusive, 60 per cent of the total catch has been obtained in those areas. In Areas V and VI the whaling operations resulted

Table I.—Average size of whales killed, by species and sex 1938/39 and 1951/52—1961/62, 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	1951 -52	1952 -53	1953 -54	1954 -55	1955 -56	1956 -57	1957 -58	1958 -59	1959 -60	1960 -61	1961 -62
<i>Blue-whales.</i>	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.
Males	77.3	77.1	76.3	76.4	76.1	76.1	76.3	75.8	76.3	74.9	73.1	74.1
Females	80.3	80.1	79.5	80.1	80.0	79.4	79.0	79.4	80.6	77.5	75.5	76.9
Total animals.	78.8	78.6	78.0	78.5	78.2	77.9	77.5	77.6	78.7	76.3	74.3	75.7
<i>Fin-whales.</i>												
Males	66.5	66.7	66.0	65.9	65.9	65.2	66.2	65.8	65.9	63.1	66.2	66.0
Females	69.8	69.7	69.1	69.0	68.9	68.3	69.6	69.0	69.0	69.3	69.5	69.8
Total animals.	68.1	68.1	67.6	67.4	67.4	66.7	67.9	67.5	67.4	67.8	67.9	68.1
<i>Humpbacks.</i>												
Males	38.1	39.6	39.7	39.7	40.0	39.1	40.8	40.9	39.2	39.9	40.6	40.4
Females	40.8	41.7	42.2	41.3	41.9	40.8	42.3	42.3	40.9	41.9	42.3	42.0
Total animals.	40.0	40.7	41.1	40.5	41.1	40.1	41.6	41.6	40.1	41.1	41.4	41.4

in about 1,400 blue-whale units, or 9.2 per cent of the total catch, as compared with some 4,000 units or 25 per cent in the season 1960-61. In Area I (part of the previously closed sector) the catch amounted to 1,809 units, corresponding to 11.9 per cent of the total catch. Apart from the seasons 1955-56 and 1956-57 the result in the season 1961-62 was the largest ever recorded in this area.

In the previously closed sector (between 70° West and 160° West) the whaling operations resulted in a total of 2,068 units. During the 7 seasons, in which this sector has been open for pelagic catch, the results obtained have been as follows:

Season	Catch in blue-whale units	Per cent of total catch
1955-56	3,682	24.9
1956-57	5,804	39.7
1957-58	3,687	25.0
1958-59	1,188	7.8
1959-60	402	2.6
1960-61	2,009	12.3
1961-62	2,068	13.5
Total	18,840	17.7

Table *i*, page 22, records the number and average size of blue-whales, fin-whales and humpbacks killed in the above mentioned areas for a series of years. In the last season, 1961-62, the largest number of blue-whales was killed in Area III, viz. 477 animals or 42.8 per cent of the total blue-whale catch. Next comes Area I with a catch of 221 blue-whales or 19.8 per cent.

The largest fin-whale catch in 1961-62 took place in Area III, where 11,847 animals or 44.9 per cent were caught.

The largest number of humpbacks was killed in Area I with a total catch of 125 animals or 40.4 per cent. In Area VI 92 humpbacks or 29.8 per cent were caught.

The total number and percentage proportion of sei- and sperm-whales killed in the season 1961-62 was as follows:

Area	Sei-whales caught in Number	1961-62 Per cent	Sperm-whales caught Number	in 1961-62 Per cent
II.....	1,249	26.5	2,017	42.8
III.....	427	9.1	1,565	33.2
IV.....	633	13.4	578	12.2
V.....	409	8.7	362	7.7
VI.....	369	7.8	46	1.0
I.....	1,629	34.5	149	3.1
Total.....	4,716	100.0	4,717	100.0

Table *j*, page 24, contains a summary of the number of whales killed by species in each area during the period 1931/32-1961/62. Of a total catch of 188,076 blue-whales during this period, 76,195 or 40.5 per cent have been taken in Area III. Next comes Area IV with a catch of 56,411 animals or 30.0 per cent. Of a total catch of 468,350 fin-whales, 176,057 or 37.6 per cent have been killed in Area III. In Area II, 141,706 fin-whales or 30.2 per cent were caught.

During the same period the total catch of humpbacks amounted to 28,356 animals, of which 12,457 or 43.9 per cent have been taken in Area IV.

Average size of the whales killed.

Table *k*, page 26, gives the average size of whales killed in the pelagic whaling operations and from South Georgia in the seasons 1938/39 and 1951/52-1961/62.

The average size of the blue-whales killed last season was 75.3 feet, which is an increase of 1.3 feet as compared with 1960-61, but a decline of 3.0 feet as compared with blue-whales taken in 1958-59. For fin-whales killed the average size was 66.5 feet, or approximately the same as in all seasons from 1954-55 inclusive. The average size of the humpbacks was the same as in the season 1960-61, namely 41.4 feet. The sei-whales killed had an average size of 50.3 feet or approximately the same as in the seasons from and including 1955-56, whereas the average size of the sperm-whales showed a decline from 46.8 feet in 1960-61 to 46.3 feet last season. In 1938-39 the average size of sperm-whales was 52.8 feet.

Table m.—Antarctic, pelagic whaling. Catch of immature and mature whales 1938/39 and 1953/54—1961/62.

	1938—39.		1953—54.		1954—55.		1955—56.		1956—57.		1957—58.		1958—59.		1959—60.		1960—61.		1961—62.	
	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	409	33.5	374	37.4	289	37.4	268	33.7	316	36.9	175	33.0	267	46.5	618	71.3	310	61.0
females	2,343	34.1	564	39.0	439	38.0	352	42.0	312	44.0	332	40.2	219	33.3	351	56.7	629	72.1	347	57.1
animals	4,283	30.9	973	36.5	813	37.7	641	39.8	580	38.5	648	38.5	394	33.2	618	50.3	1,247	71.7	657	58.9
Mature																				
males	5,034	72.2	811	66.5	626	62.6	484	62.6	528	66.3	541	63.1	355	67.0	307	53.5	249	28.7	198	39.0
females	4,522	65.9	883	61.0	715	62.0	486	58.0	397	56.0	494	59.8	438	66.7	303	43.3	243	27.9	261	42.9
animals	9,556	69.1	1,694	63.5	1,341	62.3	970	60.2	925	61.5	1,035	61.5	793	66.8	610	49.7	492	28.3	459	41.1
Fin-whales.																				
Immature																				
males	2,097	20.2	2,593	20.4	3,348	26.3	3,169	24.7	3,089	23.9	3,629	30.0	3,654	28.9	3,445	27.0	3,575	27.4	4,083	34.3
females	2,039	22.4	2,802	23.4	3,645	28.2	3,269	26.7	3,281	26.1	4,052	31.3	4,041	31.0	3,816	28.2	3,996	28.1	4,335	30.0
animals	4,136	21.2	5,395	21.9	6,993	27.3	6,438	25.7	6,370	25.0	7,681	30.6	7,695	30.0	7,261	27.6	7,571	27.7	8,418	31.9
Mature																				
males	8,297	79.8	10,106	79.6	9,358	73.7	9,688	75.3	9,835	76.1	8,484	70.0	8,976	71.1	9,290	73.0	9,494	72.6	7,816	65.7
females	7,044	77.6	9,174	76.6	9,257	71.8	8,976	73.3	9,297	73.9	8,902	68.7	9,016	69.0	9,720	71.8	10,234	71.9	10,130	70.0
animals	15,341	78.8	19,280	78.1	18,615	72.7	18,664	74.3	19,132	75.0	17,386	69.4	17,992	70.0	19,010	72.4	19,728	72.3	17,946	68.1
Humpbacks.																				
Immature																				
males	182	69.2	159	52.1	87	43.5	341	56.9	85	26.1	58	30.9	658	57.2	271	47.7	140	37.8	40	35.7
females	310	50.0	132	45.8	107	36.6	392	47.5	102	29.4	63	30.3	607	48.8	287	37.6	109	32.2	64	32.5
animals	492	55.7	291	49.1	194	39.4	733	51.4	187	27.8	121	30.6	1,265	52.9	558	41.9	249	35.1	104	33.7
Mature																				
males	81	30.8	146	47.9	113	56.5	258	43.1	241	73.9	130	69.1	492	42.8	297	52.3	230	62.2	72	64.3
females	310	50.0	156	54.2	185	63.4	434	52.5	245	70.6	145	69.7	636	51.2	477	62.4	230	67.8	133	67.5
animals	391	44.3	302	50.9	298	60.6	692	48.6	486	72.2	275	69.4	1,128	47.1	774	58.1	460	64.9	205	66.3

Table n.—Antarctic, pelagic whaling results for the various countries 1938/39 and 1950/51—1961/62.

Seasons	All countries			Norway			United Kingdom			South Africa			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	Number of whales killed	Oil production	Catchers employed	Number of whales killed	Oil production	Catchers employed
1938-39	36,681	2,709,281	270	²⁾ 11,521	³⁾ 842,712	90	9,371	746,182	65	1,170	100,945	9	7,540	483,476	49
1950-51	31,180	2,152,498	239	15,873	1,062,260	124	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	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	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	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	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	6,346	409,701	44	2,184	109,539	15	6,462	408,853	40
1956-57	32,987	2,098,854	225	14,008	955,599	94	5,281	333,967	35	1,596	86,586	10	8,093	492,507	54
1957-58	36,490	2,146,206	237	13,289	853,810	94	5,534	323,472	37	-	-	-	11,763	627,849	68
1958-59	36,364	2,050,241	235	13,292	796,986	93	4,601	259,723	37	-	-	-	12,558	646,130	69
1959-60	36,559	2,050,892	220	10,656	655,033	70	4,432	257,368	31	-	-	-	12,359	617,141	69
1960-61	38,972	2,123,157	252	12,490	743,298	81	3,496	196,472	22	-	-	-	13,592	667,350	83
1961-62	37,361	2,001,961	261	9,304	568,768	71	3,130	162,552	22	-	-	-	14,351	735,895	86

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
1938-39	5,066	374,149	41	907	68,853	8	1,106	92,964	8	-	Barrels	-	-	Barrels	-
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
1956-57	-	-	-	-	-	-	-	-	-	1,409	92,489	14	2,600	137,706	18
1957-58	-	-	-	-	-	-	-	-	-	1,867	116,497	14	4,037	224,578	24
1958-59	-	-	-	-	-	-	-	-	-	2,226	126,488	12	3,687	220,914	24
1959-60	-	-	-	-	-	-	-	-	-	2,081	143,050	13	7,031	378,300	37
1960-61	-	-	-	-	-	-	-	-	-	2,212	139,774	14	7,182	376,263	52
1961-62	-	-	-	-	-	-	-	-	-	1,628	90,305	15	8,948	444,441	67

¹⁾ Barrel = 170 kg. (Barrel = abt. 1/8 long ton. 1 long ton = 1,016 kg.) ²⁾ Including the catch of two Norwegian expeditions hired by Germany, in 1938-39 1,658 whales. ³⁾ Incl. the production of two Norwegian expeditions hired by Germany, in 1938-39 118,380 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	2) ²⁾ 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
1956-57	7	2,057	—	980	84	—	3,128	148,068	3	—	21	149
1957-58	6	2,251	—	924	225	—	3,406	171,432	2	—	2) ²⁾ 20	150
1958-59	1	1,291	—	1,019	215	—	2,526	102,418	3	—	21	120
1959-60	9	1,160	—	1,075	89	—	2,333	97,546	3	—	21	111
1960-61	4	1,387	—	792	134	—	2,317	109,727	3	—	2) ²⁾ 16	138
1961-62	—	661	—	447	86	—	1,194	49,815	1	—	8	149

1) Right-whale. 2) In addition some whaling boats, which in advance of and after the pelagic baleen whale season were operating from South Georgia. These whaling boats are included under the pelagic whaling. To this fact due consideration has been taken by calculating the "Number of whales per boat."

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

Species of whales. Seasons.	Oct.	Nov.	Dec.	Jan.	Feb.	March.	April.	Total.	The Whal- ing Statis- tics' total figures.	
<i>Total animals.</i>	1938-39.....	51	240	453	332	218	343	38	1,675	1,675
	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
	1956-57.....	314	404	460	562	627	701	-	3,068	3,128
	1957-58.....	234	488	869	465	665	636	-	3,357	3,406
	1958-59.....	342	288	378	278	516	702	-	2,504	2,526
	1959-60.....	345	214	253	481	654	353	-	2,300	2,333
	1960-61.....	298	160	353	456	546	460	-	2,273	2,317
1961-62.....	187	200	186	184	229	197	-	1,183	1,194	
<i>Blue- whales.</i>	1938-39.....	-	7	131	35	24	32	3	232	232
	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
	1956-57.....	2	1	1	1	1	1	-	7	7
	1957-58.....	-	1	2	-	2	1	-	6	6
	1958-59.....	-	-	-	-	1	-	-	1	1
	1959-60.....	5	1	1	-	-	2	-	9	9
	1960-61.....	-	1	1	2	-	-	-	4	4
1961-62.....	-	-	-	-	-	-	-	-	-	
<i>Fin- whales.</i>	1938-39.....	51	232	318	292	189	211	14	1,307	1,307
	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
	1956-57.....	312	387	446	438	336	94	-	2,013	2,057
	1957-58.....	203	486	847	418	200	61	-	2,215	2,251
	1958-59.....	342	283	329	177	100	45	-	1,276	1,291
	1959-60.....	338	211	243	261	83	7	-	1,143	1,160
	1960-61.....	297	124	270	154	240	273	-	1,358	1,387
1961-62.....	182	190	172	35	64	13	-	656	661	
<i>Hump- backs.</i>	1938-39.....	-	-	-	-	-	-	-	-	-
	1953-54.....	-	-	2	6	1	2	-	11	11
	1954-55.....	-	2	-	-	-	-	-	2	2
	1955-56.....	-	-	-	-	-	-	-	-	-
	1961-62.....	-	-	-	-	-	-	-	-	-
<i>Sei- whales.</i>	1938-39.....	-	-	1	-	-	13	6	19	19
	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
	1956-57.....	-	-	1	103	271	589	-	964	980
	1957-58.....	-	-	-	30	388	494	-	912	924
	1958-59.....	-	-	-	63	340	609	-	1,012	1,019
	1959-60.....	-	-	4	182	539	335	-	1,060	1,075
	1960-61.....	1	-	45	284	289	158	-	777	792
1961-62.....	-	-	13	133	147	149	-	442	447	
<i>Sperm whales.</i>	1938-39.....	-	1	4	5	5	87	15	117	117
	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
	1956-57.....	-	16	12	20	19	17	-	84	84
	1957-58.....	31	1	20	17	75	80	-	224	225
	1958-59.....	-	5	49	38	75	48	-	215	215
	1959-60.....	2	2	5	38	32	9	-	88	89
	1960-61.....	-	35	37	16	17	29	-	134	134
1961-62.....	5	10	1	16	18	35	-	85	86	

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

Species of whales. Seasons.	Oct.	Nov.	Dec.	Jan.	Feb.	March.	April.	Total.	The Whal- ing Statis- tics' total figures.
<i>Total animals</i>	1938-39	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	1953-54	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
	1953-54	0.4	0.2	1.0	0.5	—	0.2	4.3	0.4
	1954-55	0.2	—	1.4	0.5	0.5	0.2	—	0.4
	1955-56	0.3	—	0.4	—	—	0.2	—	0.1
	1956-57	0.6	0.2	0.2	0.2	0.2	0.2	—	0.2
	1957-58	—	0.2	0.2	—	0.3	0.2	—	0.2
	1958-59	—	—	—	—	0.2	—	—	—
	1959-60	1.4	0.5	0.4	—	—	0.6	—	0.4
	1960-61	—	0.6	0.3	0.4	—	—	—	0.2
1961-62	—	—	—	—	—	—	—	—	
<i>Fin-whales</i>	1938-39	100.0	95.7	70.2	88.0	86.7	61.5	35.8	78.0
	1953-54	99.2	99.4	95.5	76.9	58.1	31.6	5.2	72.9
	1954-55	93.7	99.0	94.1	91.0	60.2	47.5	—	83.9
	1955-56	98.6	98.7	98.5	91.8	74.3	75.6	—	87.3
	1956-57	99.4	95.8	97.0	77.9	53.6	13.4	—	65.6
	1957-58	86.8	99.6	97.5	89.9	30.1	9.6	—	66.0
	1958-59	100.0	98.3	87.0	63.7	19.4	6.4	—	51.0
	1959-60	98.0	98.6	96.0	54.3	12.7	2.0	—	49.7
	1960-61	99.7	77.5	76.5	33.8	44.0	59.4	—	59.7
1961-62	97.3	95.0	92.5	19.0	27.9	6.6	—	55.4	
<i>Hump-backs</i>	1938-39	—	—	—	—	—	—	—	—
	1953-54	—	—	0.3	0.7	0.1	0.4	—	0.3
	1954-55	—	0.3	—	—	—	—	—	0.1
	1955-56	—	—	—	—	—	—	—	—
	1961-62	—	—	—	—	—	—	—	—
<i>Sei-whales</i>	1938-39	—	—	—	—	—	3.8	15.8	1.1
	1953-54	—	—	0.2	20.1	38.6	47.0	74.8	21.5
	1954-55	0.1	—	0.2	6.5	38.3	45.5	—	13.1
	1955-56	—	—	—	4.1	23.1	18.8	—	9.5
	1956-57	—	—	0.2	18.3	43.2	84.0	—	31.4
	1957-58	—	—	—	6.5	58.3	77.7	—	27.2
	1958-59	—	—	—	22.7	65.9	86.8	—	40.4
	1959-60	—	—	1.6	37.8	82.4	94.9	—	46.1
	1960-61	0.3	—	12.7	62.3	52.9	34.3	—	34.2
1961-62	—	—	7.0	72.3	64.2	75.6	—	37.4	
<i>Sperm-whales</i>	1938-39	—	0.4	0.9	1.5	2.3	25.4	39.5	7.0
	1953-54	0.4	0.4	3.0	1.8	3.2	20.8	20.0	4.9
	1954-55	1.0	0.7	4.3	2.0	1.0	6.8	—	2.5
	1955-56	1.1	1.3	1.1	4.1	2.6	5.4	—	3.1
	1956-57	—	4.0	2.6	3.6	3.0	2.4	—	2.8
	1957-58	13.2	0.2	2.3	3.6	11.3	12.5	—	6.6
	1958-59	—	1.7	13.0	13.6	14.5	6.8	—	8.6
	1959-60	0.6	0.9	2.0	7.9	4.9	2.5	—	3.8
	1960-61	—	21.9	10.5	3.5	3.1	6.3	—	5.9
1961-62	2.7	5.0	0.5	8.7	7.9	17.8	—	7.2	

Table r.—South Georgia. Catch of immature and mature whales 1938/39 and 1953/54—1961/62.

	1938—39		1953—54.		1954—55.		1955—56.		1956—57.		1957—58.		1958—59.		1959—60.		1960—61.		1961—62.	
	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	1	33.3	4	66.7	1	100.0	5	100.0	4	100.0	1	100.0	3	100.0	1	100.0	—	—
females	65	48.5	8	80.0	7	100.0	—	—	1	50.0	1	50.0	—	—	4	66.7	2	66.7	—	—
animals	109	47.0	9	69.2	11	84.6	1	33.3	6	85.7	5	83.3	1	100.0	7	77.8	3	75.0	—	—
Mature																				
males	54	55.1	2	65.7	2	33.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
females	69	51.5	2	20.0	—	—	2	100.0	1	50.0	1	50.0	—	—	2	33.3	1	33.3	—	—
animals	123	53.0	4	30.8	2	15.4	2	66.7	1	14.3	1	16.7	—	—	2	22.2	1	25.0	—	—
Fin-whales.																				
Immature																				
males	188	30.7	660	52.5	584	47.6	515	41.9	489	51.7	366	38.4	228	39.9	159	35.7	322	48.5	179	59.5
females	231	33.2	747	54.9	605	42.0	583	41.9	537	50.3	402	31.9	222	31.5	226	32.4	347	50.0	207	58.3
animals	419	32.1	1,407	53.8	1,189	44.5	1,098	41.9	1,026	51.0	768	34.7	450	35.3	385	33.7	669	49.3	386	58.8
Mature																				
males	424	69.3	597	47.5	643	52.4	715	58.1	457	48.3	588	61.6	344	60.1	286	64.3	342	51.5	122	40.5
females	464	66.8	613	45.1	837	58.0	808	58.1	530	49.7	859	68.1	482	68.5	472	67.6	347	50.0	148	41.7
animals	888	67.9	1,210	46.2	1,480	55.5	1,523	58.1	987	49.0	1,447	65.3	826	64.7	758	66.3	689	50.7	270	41.2

Table s.—Antarctic whaling results for the various countries 1938/39 and 1948/49—1961/62.

Years.	All countries.		Norway.		United Kingdom.		South Africa.		Japan.		Argentina.	
	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.		Barrels		Barrels.		Barrels.		Barrels.
1938-39.....	38,356	2,820,771 ²⁾	11,521 ³⁾	842,712	10,022	790,846	1,170	100,945	7,540	483,476	1,024	66,826
1948-49.....	31,435	2,219,621	16,196	1,108,027	7,596	595,803	2,608	160,728	1,643	119,361	919	52,518
1949-50.....	32,396	2,166,489	16,799	1,106,487	7,786	518,417	1,882	145,298	2,114	168,754	946	41,348
1950-51.....	33,997	2,303,690	16,844	1,116,384	6,227	474,330	2,541	161,911	2,741	170,596	796	40,593
1951-52.....	35,237	2,479,180	15,650	1,136,643	6,938	500,254	2,494	185,962	3,831	259,476	798	41,825
1952-53.....	30,653	2,118,097	11,240	813,979	6,964	491,012	2,460	150,455	2,645	207,335	678	32,187
1953-54.....	34,872	2,285,720	14,928	1,027,807	7,620	537,774	2,226	147,271	4,218	252,677	1,083	53,478
1954-55.....	37,654	2,242,555	14,491	869,241	7,912	471,315	1,696	99,809	5,958	366,915	947	50,568
1955-56.....	38,580	2,307,171	14,510	852,482	7,444	474,760	2,184	109,539	6,462	408,853	812	43,376
1956-57.....	36,115	2,246,922	15,043	1,004,373	6,266	381,931	1,596	86,586	8,093	492,507	1,108	51,330
1957-58.....	39,896	2,317,638	13,289	853,810	7,080	400,705	—	—	11,763	627,849	1,860	94,199
1958-59.....	38,890	2,152,659	14,071	826,037	5,425	293,660	—	—	12,558	646,130	923	39,430
1959-60.....	38,892	2,148,438	11,324	681,330	5,165	288,117	—	—	12,359	617,141	932	40,500
1960-61.....	41,289	2,232,884	12,490	743,298 ⁴⁾	5,813	4) 306,199	—	—	13,592	667,350	—	—
1961-62.....	38,555	2,051,776	9,304	568,768 ⁴⁾	4,324	4) 212,367	—	—	14,351	735,895	—	—
<i>In per cent</i>	%	%	%	%	%	%	%	%	%	%	%	%
1938-39.....	100.0	100.0	30.0	29.9	26.1	28.0	3.1	3.6	19.6	17.1	2.7	2.4
1948-49.....	100.0	100.0	51.5	49.9	24.2	26.9	8.3	7.2	5.2	5.4	2.9	2.4
1949-50.....	100.0	100.0	51.9	51.1	24.0	23.9	5.8	6.7	6.5	7.8	2.9	1.9
1950-51.....	100.0	100.0	49.5	48.5	18.3	20.6	7.5	7.0	8.1	7.4	2.3	1.7
1951-52.....	100.0	100.0	44.4	45.8	19.7	20.2	7.1	7.5	10.9	10.5	2.2	1.7
1952-53.....	100.0	100.0	36.7	38.4	22.8	23.2	8.0	7.1	8.6	9.8	2.2	1.5
1953-54.....	100.0	100.0	42.8	45.0	21.8	23.5	6.4	6.5	12.1	11.0	3.1	2.3
1954-55.....	100.0	100.0	38.5	38.8	21.0	21.0	4.5	4.5	15.8	16.3	2.5	2.2
1955-56.....	100.0	100.0	37.6	36.9	19.3	20.6	5.7	4.7	16.7	17.7	2.1	1.9
1956-57.....	100.0	100.0	41.6	44.7	17.4	17.0	4.4	3.9	22.4	21.9	3.1	2.3
1957-58.....	100.0	100.0	33.3	36.8	17.7	17.3	—	—	29.5	27.1	4.7	4.1
1958-59.....	100.0	100.0	36.2	38.4	13.9	13.6	—	—	32.3	30.0	2.4	1.8
1959-60.....	100.0	100.0	29.1	31.7	13.3	13.4	—	—	31.8	28.7	2.4	1.9
1960-61.....	100.0	100.0	30.2	33.3	4) 14.1	4) 13.7	—	—	32.9	29.9	—	—
1961-62.....	100.0	100.0	24.2	27.7	4) 11.2	4) 10.4	—	—	37.2	35.9	—	—

1), 2), 3), 4) See notes on next page.

Table s (continued).

Years.	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.
		Barrels. ¹⁾		Barrels.		Barrels.		Barrels.		Barrels.
1938-39....	5,066	374,149	907	68,853	1,106	92,964	-	-	-	-
1948-49....	-	-	-	-	-	-	1,366	109,849	1,107	73,335
1949-50....	-	-	-	-	-	-	1,295	82,792	1,574	103,393
1950-51....	-	-	1,497	126,522	-	-	1,660	103,560	1,691	109,894
1951-52....	-	-	1,408	97,073	-	-	1,650	110,300	2,468	147,647
1952-53....	-	-	2,365	164,150	-	-	1,575	103,710	2,726	155,269
1953-54....	-	-	-	-	-	-	1,711	97,596	3,086	169,117
1954-55....	-	-	2,512	147,880	-	-	848	64,739	3,290	172,088
1955-56....	-	-	2,730	160,960	-	-	1,665	103,465	2,773	153,736
1956-57....	-	-	-	-	-	-	1,409	92,489	2,600	137,706
1957-58....	-	-	-	-	-	-	1,867	116,497	4,037	224,578
1958-59....	-	-	-	-	-	-	2,226	126,488	3,687	220,914
1959-60....	-	-	-	-	-	-	2,081	143,050	7,031	378,300
1960-61....	-	-	-	-	-	-	2,212	139,774	7,182	376,263
1961-62....	-	-	-	-	-	-	1,628	90,305	8,948	444,441
<i>In per cent</i>	%	%	%	%	%	%	%	%	%	%
1938-39....	13.2	13.3	2.4	2.4	2.9	3.3	-	-	-	-
1948-49....	-	-	-	-	-	-	4.4	4.9	3.5	3.3
1949-50....	-	-	-	-	-	-	4.0	3.8	4.9	4.8
1950-51....	-	-	4.4	-	-	-	4.9	4.5	5.0	4.8
1951-52....	-	-	4.0	5.5	-	-	4.7	4.4	7.0	6.0
1952-53....	-	-	7.7	3.9	-	-	5.1	4.9	8.9	7.3
1953-54....	-	-	-	7.8	-	-	4.9	4.3	8.9	7.4
1954-55....	-	-	6.7	-	-	-	2.3	2.9	8.7	7.7
1955-56....	-	-	7.1	6.6	-	-	4.3	4.5	7.2	6.7
1956-57....	-	-	-	7.0	-	-	3.9	4.1	7.2	6.1
1957-58....	-	-	-	-	-	-	4.7	5.0	10.1	9.7
1958-59....	-	-	-	-	-	-	5.7	5.9	9.5	10.3
1959-60....	-	-	-	-	-	-	5.3	6.7	18.1	17.6
1960-61....	-	-	-	-	-	-	5.4	6.3	17.4	16.8
1961-62....	-	-	-	-	-	-	4.2	4.4	23.2	21.6

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 1938-39 1,658 whales. ³⁾ Including the production of two Norwegian expeditions hired by Germany—in 1938-39 118,380 barrels. ⁴⁾ Including the catch and production of one British company registered at Falkland Islands, in 1960-61 1,262 whales and 58,016 barrels of oil or 3,1 and 2,6 per cent, respectively, in 1961-62 1,194 whales and 49,815 barrels of oil or 3.1 and 2.4 per cent, respectively.

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
1925-26.....	84.0	84.8	1944-45.....	111.5	118.0
1926-27.....	96.4	91.1	1945-46.....	83.1	98.6
1927-28.....	106.4	92.8	1946-47.....	112.5	113.1
1928-29.....	108.2	98.3	1947-48.....	128.3	111.2
1929-30.....	110.7	109.6	1948-49.....	126.5	115.9
1930-31.....	100.1	105.6	1949-50.....	115.0	118.6
1931-32.....	92.9	102.6	1950-51.....	121.5	117.3
1932-33.....	86.5	114.6	1951-52.....	127.6	129.4
1933-34.....	91.8	111.9	1952-53.....	126.3	128.0
1934-35.....	105.1	102.2	1953-54.....	121.1	128.6
1935-36.....	95.5	101.6	1954-55.....	124.6	117.3
1936-37.....	104.5	111.7	1955-56.....	123.6	121.6
1937-38.....	95.7	111.1	1956-57.....	122.9	128.7
1938-39.....	117.6	107.1	1957-58.....	126.9	124.9
1939-40.....	106.1	117.2	1958-59.....	114.0	118.2
1940-41.....	109.1	105.8	1959-60.....	123.0	120.5
1941-42.....	110.1	—	1960-61.....	127.2	116.9
1942-43.....	95.2	—	1961-62.....	112.9	118.1
1943-44.....	120.2	142.9			

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. 1/6 long ton. 1 long ton = 1,016 kg.)

For the seasons covered by table *k* 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 1950-51, during the 3 successive seasons 60 ft. and from and including 1954-55 57 feet. In order to eliminate the possible influence which a variation in the legal size and the number of undersized whales killed might have on the average size, table *l*, page 27 has been prepared. The average size of blue-whales killed (of 70 feet and over) was in 1961-62 75.7 feet compared with 74.3 feet in the season 1960-61. The average size of the fin-whales killed (of 60 feet and over) was approximately the same as in the two preceding seasons, or 68.1 feet. The average size of the humpbacks killed (of 35 feet and over) was 41.4 feet both in 1961-62 and 1960-61.

The average size of blue- and fin-whales killed in the different areas during a number of seasons were as follows:

Season	Average size of blue-whales killed, in Engl. feet.						All areas
	Area II	Area III	Area IV	Area V	Area VI	Area I	
1938-39	79.0	77.0	77.9	79.7	—	70.0	78.0
1957-58	77.8	77.4	76.7	76.9	76.9	76.1	77.1
1958-59	80.5	79.0	78.0	78.5	76.9	—	78.3
1959-60	79.2	77.4	73.3	76.6	76.9	78.7	75.9
1960-61	79.7	72.6	71.8	78.6	78.0	77.0	74.0
1961-62	77.6	72.9	74.0	77.4	76.4	78.2	75.3

Season	Average size of fin-whales killed, in Engl. feet.						
	Area II	Area III	Area IV	Area V	Area VI	Area I	All areas
1938-39	67.4	66.4	67.5	68.1	—	64.5	67.2
1957-58	67.3	66.7	65.6	64.4	65.1	66.1	66.2
1958-59	67.1	66.4	66.5	65.6	64.6	—	66.3
1959-60	66.9	66.7	66.3	66.8	65.1	64.5	66.6
1960-61	66.6	67.5	65.7	66.9	64.9	65.2	66.8
1961-62	67.5	66.7	64.8	65.5	64.9	66.0	66.5

In the season 1961-62 the pelagic expeditions, according to reports from the whaling companies, caught 34 blue-whales, 305 fin-whales, 2 humpbacks, 2 sei-whales and 5 sperm-whales which were below the minimum size. The corresponding figures in 1960-61 were 73 blue-whales, 285 fin-whales and 5 humpbacks.

Mature and immature whales.

Table *m*, page 29, 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	—,,—

From table *m*, it will appear that 58.9 per cent of all blue-whales killed in 1961-62 were immature as compared with 71.7 and 50.3 per cent in the two preceding seasons. Of the fin-whales killed in 1961-62 31.9 per cent were immature against 27.7 per cent in 1960-61. Of the humpbacks killed during the last season 33.7 per cent were immature.

The percentage number of immature blue- and fin-whales killed in the different areas will be seen from this survey:

Areas	Immature blue-whales			Immature fin-whales		
	1959-60 Engl. ft.	1960-61 Engl. ft.	1961-62 Engl. ft.	1959-60 Engl. ft.	1960-61 Engl. ft.	1961-62 Engl. ft.
II	32.8	29.7	41.8	29.0	31.7	26.8
III	45.5	86.4	84.1	26.6	22.3	30.2
IV	78.7	89.4	72.2	29.4	37.4	45.7
V	34.8	27.1	27.0	23.5	25.4	35.2
VI	29.9	25.1	32.8	33.4	38.8	38.3
I	16.7	20.0	30.8	49.5	37.5	32.2
Total	50.3	71.7	58.9	27.6	27.7	31.9

*Pelagic whaling results in relation to the whaling matériel
and whaling period.*

From the survey below it will be seen that the average result per catcher's day's work in the last season was only 0.51 blue-whale units, as compared with 0.68, 0.73 and 0.94 units in the three preceding seasons. This represents a decline of 25 per cent compared with 1960-61 and 46 per cent compared with 1958-59. The decrease from 1960-61 to 1961-62 was largest in area IV, VI and V.

Season	Average result of blue-whale units per catcher's day's work.						
	Area II	Area III	Area IV	Area V	Area VI	Area I	All areas
1956-57	0.93	0.92	1.04	0.43	1.01	0.95	0.95
1957-58	0.73	0.95	1.10	0.92	0.99	0.72	0.90
1958-59	0.79	0.94	1.03	0.93	0.93	—	0.94
1959-60	0.55	0.68	0.91	0.87	0.57	0.62	0.73
1960-61	0.59	0.74	0.85	0.61	0.64	0.47	0.68
1961-62	0.45	0.57	0.57	0.39	0.38	0.53	0.51

Table *n*, page 30, gives a survey of the pelagic whaling results of the individual participating countries as from 1938-39 (excl. the seasons 1939/40-1949/50) 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 31. During all the post-war seasons, except the seasons 1957-58 and 1961-62, when only 2 shore stations and one shore station, respectively, were operating, 3 shore stations have carried on whaling from South Georgia. In the season 1960-61 two of these stations were, however, operated as one unit. In 1961-62 only 1,194 whales were killed, against 2,317 in the preceding season. During the 15 post-war seasons 1946/47-1960/61 the annual average number of whales killed has been about 2,900. During the earlier of these 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 1961-62 no blue-whale was 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 most of the post-war seasons a greater number of sei-whales has been killed here than in pelagic whaling.

The oil production in the season 1961-62 amounted to 45,359 barrels of whale-oil and 4,456 barrels of sperm-oil, or a total of 49,815 barrels.

Table u.—Average weekly production of whale-oil per blue-whale unit in the pelagic whaling 1960-61 and 1961-62.

Season 1960—61.				Season 1961—62.			
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.
31/12 1960 ¹⁾	106,716	1,077.9	99.0	23/12 1961	153,788	1,478.0	104.1
7/1 1961	126,460	1,215.5	104.0	30/12 „	58,358	540.6	108.0
14/1 „	150,355	1,401.4	107.3	6/1 1962	84,986	795.3	106.9
21/1 „	178,477	1,561.9	114.3	13/1 „	133,862	1,184.8	113.0
28/1 „	132,962	1,162.2	114.4	20/1 „	112,092	958.7	116.9
4/2 „	127,717	1,277.0	100.0	27/1 „	127,651	1,133.6	112.6
11/2 „	179,344	1,679.2	106.8	3/2 „	124,876	1,194.6	104.5
18/2 „	140,759	1,145.9	122.8	10/2 „	151,808	1,261.2	120.4
25/2 „	150,033	1,240.9	120.9	17/2 „	148,092	1,139.1	130.0
4/3 „	146,406	1,037.4	141.1	24/2 „	88,645	804.2	110.2
11/3 „	138,737	1,164.4	119.1	3/3 „	100,000	831.7	120.2
18/3 „	119,926	914.9	131.1	10/3 „	113,453	860.0	131.9
25/3 „	99,033	724.6	136.7	17/3 „	101,110	887.6	113.9
1/4 „	66,495	470.5	141.3	24/3 „	191,606	1,407.9	136.1
7/4 „	47,956	300.0	159.9	31/3 „	72,078	482.3	149.4
				7/4 „	34,349	268.7	127.8
Total	1,911,376	16,373.7	116.7	Total	1,796,754	15,228.3	118.0

¹⁾ Include the catch and production of one expedition from and incl. November 28th 1960.

During the previous season the output was 103,318 barrels of whale-oil and 6,409 barrels of sperm-oil, or a total of 109,727 barrels.

Tables *p* and *q*, pages 32 and 33, 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 1953-54. Table *r*, page 34, shows the proportion of mature and immature animals killed.

Oil production by participating countries.

In table *s*, pages 35 and 36, the total whaling results in the Antarctic during the seasons 1938-39 and from and including 1948-49 have been distributed in respect to the individual participating countries. During the last 5 seasons the percentage proportion of the oil production of the individual countries has been as follows:—

	Oil production during the last 5 seasons				
	1957/58 Per cent	1958/59 Per cent	1959/60 Per cent	1960/61 Per cent	1961/62 Per cent
Norway	36.8	38.4	31.7	33.3	27.7
United Kingdom	17.3	13.6	13.4	13.7	10.4
Japan	27.1	30.0	28.7	29.9	35.9
U.S.S.R.	9.7	10.3	17.6	16.8	21.6
Netherlands	5.0	5.9	6.7	6.3	4.4
Argentina	4.1	1.8	1.9	—	—
Total	100.0	100.0	100.0	100.0	100.0

Oil production per blue-whale unit.

The average output of oil per blue-whale unit for South Georgia and for the pelagic expeditions from and including the season 1925-26 has been recorded in table *t*, page 37. For pelagic whaling the average output was 118.1 barrels during the season 1961-62 against 116.9 barrels during the preceding season. In the survey below is given the average output of oil per blue-whale unit in the individual areas from and including 1956-57.

Season	Average oil output per blue-whale unit during the last 6 seasons						Total Barrels
	Area II Barrels	Area III Barrels	Area IV Barrels	Area V Barrels	Area VI Barrels	Area I Barrels	
1956-57 ..	133.0	139.3	145.5	88.2	118.3	122.9	128.7
1957-58 ..	133.6	125.6	126.5	99.7	116.7	126.9	124.9
1958-59 ..	131.0	123.6	107.0	112.3	117.7	-	118.2
1959-60 ..	132.2	128.9	101.3	120.2	121.1	117.7	120.5
1960-61 ..	140.3	112.8	101.9	115.1	110.1	108.5	116.9
1961-62 ..	136.7	111.5	95.8	114.7	120.7	125.0	118.1

The highest yield last season was in Area II with 136.7 barrels. Next comes Area I with 125.0 barrels. The lowest output was in Area IV with 95.8 barrels per blue-whale unit. In the other areas the yield varied between 111.5 and 120.7 barrels.

Table *u*, page 40, is recording the average weekly production per blue-whale unit for the pelagic expeditions during the seasons 1960-61 and 1961-62. It will be observed that the average yield per blue-whale unit is increasing as the whaling season proceeds, from 100-115 barrels in December/January up to about 130-140 barrels in March/April.

By-products.

In table *v*, page 42, detailed information is given on the production of by-products in the Antarctic during the post-war seasons. From and including the season 1957-58 the figures are distributed in respect to the individual countries.

The production of by-products reached a new record figure during the last season. The production of whale meat amounted to 178,670 tons compared with 124,698 and 95,997 tons during the two preceding seasons. Of whale meal there was produced 47,696 tons against 56,031 tons in 1960-61.

Whaling fleet crews.

From the survey, page 43, will be seen the number of men of different nationalities employed in the Antarctic whaling industry during the 3 latest

Table v.—Production of by-products in the Antarctic whaling in the seasons 1946/47—1961/62.

By-products Seasons Countries	Whale meat-meal, bone-meal, grax meal, guano	Whale liver or liver flakes	Liver- oil	Liver meal	Whale meat, blubber, ventral grooves	Whale solubles	Other by- products ¹⁾
	L. tons	L. tons	L. tons	L. tons	L. tons	L. tons	L. tons
1946-47 Total	19,302	671	79	380	21,914	-	137
1947-48 Total	24,460	918	112	495	30,062	-	1,369
1948-49 Total	26,792	1,173	166	596	39,635	-	2,215
1949-50 Total	25,852	817	250	573	46,824	779	1,629
1950-51 Total	25,821	841	264	622	28,389	2,444	990
1951-52 Total	24,116	823	195	435	28,299	5,760	874
1952-53 Total	25,584	601	155	456	28,581	5,390	191
1953-54 Total	35,660	185	199	385	34,792	9,885	2,072
1954-55 Total	35,519	669	218	115	42,681	8,508	3,956
1955-56 Total	43,189	755	252	162	45,835	7,546	2,815
1956-57 Total	42,735	692	255	156	70,720	6,526	4,871
<i>1957-58.</i>							
Norway	5,099	57	47	-	401	1,486	182
United Kingdom . .	21,611	1	39	113	4,822	8,147	428
Netherlands	2,242	-	15	-	-	-	43
U.S.S.R.	3,942	537	-	-	-	-	-
Japan	881	-	137	-	80,372	-	11,447
Argentina	11,139	-	-	-	-	-	-
Total	44,914	595	238	113	85,595	9,633	12,100
<i>1958-59.</i>							
Norway	9,609	25	40	-	1,375	-	402
United Kingdom . .	16,656	-	23	138	3,887	2,153	717
Netherlands	3,507	-	12	-	-	-	41
U.S.S.R.	4,528	620	-	-	-	-	-
Japan	1,199	-	112	-	73,396	-	20,120
Argentina	5,785	-	-	-	-	-	-
Total	41,284	645	187	138	78,658	2,153	21,280
<i>1959-60.</i>							
Norway	9,142	10	26	-	2,159	-	995
United Kingdom . .	18,129	-	4	-	6,080	1,038	1,197
Netherlands	4,635	-	11	-	1,699	-	55
U.S.S.R.	12,150	1,306	-	-	2,106	-	-
Japan	2,810	-	90	-	83,953	-	20,401
Argentina	6,158	-	-	-	-	-	3
Total	53,024	1,316	131	-	95,997	1,038	22,651
<i>1960-61.</i>							
Norway	6,580	5	12	-	4,954	-	1,474
United Kingdom . .	²⁾ 24,015	-	-	-	²⁾ 715	2,169	1,325
Netherlands	3,885	544	-	-	7,332	-	45
U.S.S.R.	14,853	1,388	12	-	6,924	-	-
Japan	6,698	-	110	-	104,773	-	26,874
Total	56,031	1,937	134	-	124,698	2,169	29,718
<i>1961-62.</i>							
Norway	5,138	28	3	-	20,999	-	386
United Kingdom . .	³⁾ 16,874	-	8	-	-	-	566
Netherlands	1,702	402	-	-	8,970	-	30
U.S.S.R.	17,843	1,876	12	-	12,683	-	-
Japan	6,139	30	79	-	136,018	-	39,003
Total	47,696	2,336	102	-	178,670	-	39,985

¹⁾ Products such as: Teeth, baleen, ambergris, pancreas, processed bone, bone fertilizer, protein, hypophyses, internal organs, blubber for leather, gelatin material, tail flukes, etc. ²⁾ Including 6,321 long-tons whale meal and 715 long tons whale meat etc. produced by a British company registered at Falkland Islands. ³⁾ Incl. 7,168 long tons whale meal produced by a British company registered at Falkland Islands.

seasons. The figures include the crews employed on the freezing- and refrigeratorships operating in the Antarctic.

Nationalities	Number of men employed in the Antarctic whaling industry					
	Season 1959/60		Season 1960/61		Season 1961/62	
	Number	Per cent	Number	Per cent	Number	Per cent
Norwegian	6,152	34	5,377	27	4,557	23
British	890	5	780	4	559	3
Japanese	8,100	45	9,680	50	9,748	50
Russian ¹⁾	2,000	11	2,900	15	4,050	20
Others ²⁾	787	5	759	4	727	4
Total.....	17,929	100	19,496	100	19,641	100

¹⁾ Estimated. ²⁾ Incl. also men whose nationality is unknown.

Table No. 1.—Whaling in the Antarctic in the season 1961/62.

Geographical areas.	Species of whales caught.						Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Total of whales.		Shore stations.	Floating factories.	Catchers.
South Georgia	—	661	—	447	86	1,194	Barrels ¹⁾ 49,815	1	—	8
Antarctic, pelagic whaling	1,118	26,438	309	4,749	4,743	²⁾ 37,357	2,001,961	—	21	261
Total	1,118	27,099	309	5,196	4,829	38,551	2,051,776	1	21	269

¹⁾ Barrel = 170 kg. (Barrel = abt. $\frac{1}{8}$ long ton, 1 long ton = 1,016 kg.) ²⁾ In addition 1 right-whale, 2 Minke-whales and 1 Baird's beaked whale.

Table No. 2.—Whaling results for the various countries in the Antarctic in the season 1961/62.

Countries. Geographical areas.	Species of whales caught.						Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Total of whales.		Shore stations.	Floating factories.	Catchers.
Japan:—							Barrels ¹⁾			
Antarctic, pelagic	489	11,855	2	941	1,064	14,351	735,895	—	7	86
Norway:—										
Antarctic, pelagic	132	6,943	12	560	1,657	9,304	568,768	—	7	71
United Kingdom:—										
Antarctic, pelagic	50	1,678	11	1,058	333	3,130	162,552	—	2	22
South Georgia ²⁾ . . .	—	661	—	447	86	1,194	49,815	1	—	8
U.S.S.R.:—										
Antarctic, pelagic	402	4,851	270	2,138	1,283	³⁾ 8,944	444,441	—	4	67
Netherlands:—										
Antarctic, pelagic	45	1,111	14	52	406	1,628	90,305	—	1	15
Total	1,118	27,099	309	5,196	4,829	38,551	2,051,776	1	21	269

¹⁾ Barrel = 170 kg. (Barrel = abt. $\frac{1}{8}$ long ton, 1 long ton = 1,016 kg.) ²⁾ Catch and production of a British company registered at Falkland Islands. ³⁾ In addition 1 right-whale, 2 Minke-whales and 1 Baird's beaked whale.

Table No. 3.—Average size of whales caught in the Antarctic in the season 1961/62.

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
<u>Blue-whales.</u>				
<i>Antarctic, pelagic whaling</i>	No. 1	81.33	82.50	82.23
Males 508 } Total 1,116.	" 2	77.39	81.80	79.71
Females 608 }	" 3	75.89	81.25	78.95
	" 4	75.90	81.68	78.86
	" 5	72.00	82.00	78.67
	" 6	78.25	78.00	78.08
	" 7	75.74	79.66	77.99
	" 8	75.88	77.59	76.78
	" 9	74.45	76.84	76.00
	" 10	75.63	75.76	75.70
	" 11	73.25	76.25	74.75
	" 12	73.13	76.61	74.67
	" 13	71.33	73.00	72.55
	" 14	70.00	75.00	72.50
	" 15	71.43	72.78	72.30
	" 16	71.02	72.85	71.96
	" 17	71.17	71.74	71.41
	" 18	70.67	71.83	71.25
	" 19	79.00	63.00	71.00
Average		73.75	76.65	75.33
<u>Fin-whales.</u>				
<i>South Georgia</i>	No. 1	61.67	64.01	62.94
Males 301 } Total 656.				
Females 355 }				
<i>Antarctic, pelagic whaling</i>	No. 1	65.60	70.78	68.32
Males 11,899 } Total 26,364.	" 2	66.10	70.02	68.26
Females 14,465 }	" 3	65.30	70.34	68.08
	" 4	65.05	69.60	67.65
	" 5	64.96	69.57	67.57
	" 6	64.68	70.13	67.42
	" 7	65.52	68.90	67.26
	" 8	64.53	68.96	67.19
	" 9	64.83	69.01	67.13
	" 10	65.22	68.26	66.78
	" 11	65.88	67.70	66.77
	" 12	64.41	68.57	66.73
	" 13	63.70	67.93	66.01
	" 14	64.24	67.35	65.85
	" 15	63.33	67.45	65.60
	" 16	63.69	67.04	65.63
	" 17	64.21	66.84	65.64
	" 18	63.25	66.74	65.34
	" 19	63.29	66.32	64.91
	" 20	62.40	66.31	64.60
	" 21	62.98	65.45	64.34
Average		64.44	68.19	66.49

Table No. 3 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
<u>Humpbacks.</u>				
<i>Antarctic, pelagic whaling</i>	No. 1	—	47.00	47.00
Males 112 } Total 309.	" 2	—	44.00	44.00
Females 197 }	" 3	42.33	43.29	43.00
	" 4	41.83	43.50	42.50
	" 5	41.56	42.36	42.13
	" 6	—	42.00	42.00
	" 7	39.33	43.38	41.64
	" 8	40.92	41.48	41.26
	" 9	39.55	41.86	40.98
	" 10	39.00	39.76	39.42
	" 11	38.00	—	38.00
Average		40.39	41.92	41.37
<u>Sei-whales.</u>				
<i>South Georgia</i>	No. 1	47.32	50.02	48.63
Males 227 } Total 442.				
Females 215 }				
<i>Antarctic, pelagic whaling</i>	No. 1	—	54.00	54.00
Males 1,750 } Total 4,716.	" 2	50.03	52.84	51.68
Females 2,966 }	" 3	50.67	52.50	51.40
	" 4	48.67	51.94	51.19
	" 5	49.23	51.75	50.99
	" 6	49.39	51.73	50.75
	" 7	48.84	51.71	50.72
	" 8	48.20	50.85	50.32
	" 9	49.38	50.96	50.31
	" 10	49.08	51.15	50.19
	" 11	48.77	51.28	50.19
	" 12	48.43	51.19	50.18
	" 13	47.53	51.76	50.00
	" 14	48.35	50.80	49.90
	" 15	48.95	50.63	49.71
	" 16	47.83	50.71	49.57
	" 17	47.61	50.48	49.56
	" 18	48.19	51.15	49.52
	" 19	45.67	49.87	49.17
	" 20	47.32	50.02	48.63
	" 21	47.45	49.05	48.42
Average		48.68	51.27	50.30
<u>Sperm-whales.</u>				
<i>South Georgia</i>	No. 1	46.65	—	46.65
Males 85.				

Table No. 3 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
<i>Antarctic, pelagic whaling</i> Males 4,706 } Total 4,717. Females 11 }	No. 1	Engl. feet. 49.53	Engl. feet. —	Engl. feet. 49.53
	” 2	48.14	—	48.14
	” 3	47.62	—	47.62
	” 4	47.19	—	47.19
	” 5	47.07	—	47.07
	” 6	46.83	—	46.83
	” 7	46.81	—	46.81
	” 8	46.53	—	46.53
	” 9	46.30	—	46.30
	” 10	46.39	41.25	46.27
	” 11	46.25	—	46.25
	” 12	46.23	—	46.23
	” 13	46.08	—	46.08
	” 14	45.80	—	45.80
	” 15	45.49	—	45.49
	” 16	45.09	—	45.09
	” 17	44.92	—	44.92
	” 18	44.56	—	44.56
	” 19	44.48	—	44.48
	” 20	43.45	40.86	43.10
	” 21	41.29	—	41.29
Average		46.27	41.00	46.26

Table No. 4.—Whales caught in the Antarctic in the season 1961/62, 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.	
59	2	—	2	81	14	14	28
60	—	1	1	82	13	22	35
61	—	—	—	83	10	14	24
62	1	—	1	84	5	11	16
63	3	3	6	85	5	19	24
64	—	3	3	86	4	22	26
65	2	1	3	87	2	20	22
66	3	1	4	88	1	18	19
67	5	5	10	89	1	10	11
68	1	1	2	90	—	7	7
69	2	—	2	91	—	5	5
70	102	94	196	92	—	4	4
71	90	61	151	93	—	1	1
72	55	60	115	94	—	3	3
73	44	37	81	Sum	508	608	1,116
74	29	29	58	Average size { Males: 73.75 feet Females: 76.65 „ Total animals: 75.33 „ Per cent { Males: 45.52 Females: 54.48			
75	24	31	55				
76	25	20	45				
77	11	29	40				
78	20	19	39				
79	16	23	39				
80	18	20	38				

Table No. 4 (continued).

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.		
	males.	females.			males.	females.			
46	2	—	2	70	746	888	1,634		
47	—	1	1	71	386	899	1,285		
48	—	—	—	72	257	1,074	1,331		
49	4	1	5	73	157	1,282	1,439		
50	6	5	11	74	45	918	963		
51	10	3	13	75	22	876	898		
52	18	12	30	76	11	618	629		
53	34	16	50	77	3	377	380		
54	46	27	73	78	2	212	214		
55	49	44	93	79	2	127	129		
56	22	15	37	80	—	64	64		
57	816	680	1,496	81	—	18	18		
58	716	599	1,315	82	—	8	8		
59	609	562	1,171	83	—	2	2		
60	655	578	1,233	84	—	1	1		
61	636	505	1,141	85	—	1	1		
62	639	501	1,140	Sum	12,200	14,820	¹⁾ 27,020		
63	724	510	1,234	Average size	Males: 64.37 feet	Females: 68.09 „	Total animals: 66.41 „		
64	764	483	1,247					Per cent	Males: 45.15	Females: 54.85
65	883	532	1,415						
66	1,003	548	1,551						
67	1,049	583	1,632						
68	984	565	1,549						
69	900	685	1,585						

¹⁾ In addition 14 fin-whales, length and sex not stated.

Humpbacks.

31	—	1	1	45	2	17	19		
33	—	1	1	46	2	12	14		
34	—	—	—	47	1	11	12		
35	2	4	6	48	1	7	8		
36	13	7	20	49	—	2	2		
37	5	12	17	Sum	112	197	309		
38	10	16	26	Average size	Males: 40.39 feet	Females: 41.92 „	Total animals: 41.37 „		
39	10	12	22					Per cent	Males: 36.25	Females: 63.75
40	16	11	27						
41	16	16	32						
42	14	21	35						
43	10	32	42						
44	10	15	25						

Sei-whales.

37	—	1	1	53	38	403	441		
38	—	—	—	54	28	298	326		
39	—	1	1	55	8	173	181		
40	7	2	9	56	3	84	87		
41	10	9	19	57	—	26	26		
42	11	4	15	58	—	15	15		
43	35	27	62	59	—	2	2		
44	52	32	84	60	—	3	3		
45	89	37	126	64	—	1	1		
46	167	67	234	Sum	1,977	3,181	¹⁾ 5,158		
47	242	106	348	Average size	Males: 48.52 feet	Females: 51.18 „	Total animals: 50.16 „		
48	321	174	495					Per cent	Males: 38.33	Females: 61.67
49	341	281	622						
50	316	403	719						
51	201	503	704						
52	108	529	637						

¹⁾ In addition 4 sei-whales, length and sex not stated.

Table No. 4 (continued).

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
34	1	—	1	51	242	—	242
35	1	—	1	52	162	—	162
36	1	—	1	53	82	—	82
37	3	—	3	54	34	—	34
38	70	1	71	55	22	—	22
39	105	—	105	56	9	—	9
40	157	5	162	57	2	—	2
41	149	1	150	58	2	—	2
42	235	1	236	59	1	—	1
43	337	2	339	Sum	4,791	11	¹⁾ 4,802
44	412	1	413	Average size	{	Males:	46.28 feet
45	467	—	467			Females:	41.00 „
46	517	—	517			Total animals:	46.27 „
47	484	—	484	Per cent	{	Males:	99.77
48	514	—	514			Females:	0.23
49	394	—	394				
50	388	—	388				

¹⁾ In addition 6 sperm-whales, length and sex not stated.

Right-whales.

1 Male of 48 feet.

a. South Georgia.

Fin-whales.

Engl. feet	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
47	—	1	1	69	5	12	17
51	1	—	1	70	8	8	16
52	1	1	2	71	2	11	13
53	2	1	3	72	1	13	14
54	—	2	2	73	—	9	9
55	—	1	1	74	—	10	10
57	31	33	64	75	—	10	10
58	50	29	79	76	—	5	5
59	15	19	34	77	—	1	1
60	36	30	66	78	—	2	2
61	26	22	48	Sum	301	355	656
62	17	20	37	Average size	{	Males:	61.67 feet
63	26	28	54			Females:	64.01 „
64	23	20	43			Total animals:	62.94 „
65	19	28	47	Per cent	{	Males:	45.88
66	17	13	30			Females:	54.12
67	11	14	25				
68	10	12	22				

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	54	1	15	16
41	2	2	4	55	—	3	3
42	1	—	1	56	—	1	1
43	4	3	7				
44	11	6	17	Sum	227	215	442
45	28	6	34				
46	28	3	31				
47	41	13	54				
48	43	16	59	Average size	{ Males: 47.32 feet		
49	42	28	70		{ Females: 50.02 „		
50	18	33	51		{ Total animals: 48.63 „		
51	5	41	46	Per cent	{ Males: 51.36		
52	3	24	27		{ Females: 48.64		
53	—	20	20				

Sperm-whales.

Engl. feet.	Number of males.	Engl. feet.	Number of males.
37	1	46	17
38	2	47	12
39	1	48	5
40	1	49	6
41	1	50	4
42	3	51	8
43	1	52	6
44	10	53	1
45	6		
		Sum	85

Average size: Males: 46.65 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.	
59	2	—	2	82	13	22	35
60	—	1	1	83	10	14	24
62	1	—	1	84	5	11	16
63	3	3	6	85	5	19	24
64	—	3	3	86	4	22	26
65	2	1	3	87	2	20	22
66	3	1	4	88	1	18	19
67	5	5	10	89	1	10	11
68	1	1	2	90	—	7	7
69	2	—	2	91	—	5	5
70	102	94	196	92	—	4	4
71	90	61	151	93	—	1	1
72	55	60	115	94	—	3	3
73	44	37	81	Sum	508	608	1,116
74	29	29	58	Average size { Males: 73.75 feet			
75	24	31	55	{ Females: 76.65 "			
76	25	20	45	{ Total animals: 75.33 "			
77	11	29	40	Per cent { Males: 45.52			
78	20	19	39	{ Females: 54.48			
79	16	23	39				
80	18	20	38				
81	14	14	28				

Fin-whales.

46	2	—	2	71	384	888	1,272
49	4	1	5	72	256	1,061	1,317
50	6	5	11	73	157	1,273	1,430
51	9	3	12	74	45	908	953
52	17	11	28	75	22	866	888
53	32	15	47	76	11	613	624
54	46	25	71	77	3	376	379
55	49	43	92	78	2	210	212
56	22	15	37	79	2	127	129
57	785	647	1,432	80	—	64	64
58	666	570	1,236	81	—	18	18
59	594	543	1,137	82	—	8	8
60	619	548	1,167	83	—	2	2
61	610	483	1,093	84	—	1	1
62	622	481	1,103	85	—	1	1
63	698	482	1,180	Sum	11,899	14,465	¹⁾ 26,364
64	741	463	1,204	Average size { Males: 64.44 feet			
65	864	504	1,368	{ Females: 68.19 "			
66	986	535	1,521	{ Total animals: 66.49 "			
67	1,038	569	1,607	Per cent { Males: 45.13			
68	974	553	1,527	{ Females: 54.87			
69	895	673	1,568				
70	738	880	1,618				

¹⁾ In addition 14 fin-whales, length and sex not stated.

Table No. 4 (continued).

Humpbacks.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
31	—	1	1	46	2	12	14	
33	—	1	1	47	1	11	12	
35	2	4	6	48	1	7	8	
36	13	7	20	49	—	2	2	
37	5	12	17	Sum	112	197	309	
38	10	16	26	Average size {				Males: 40.39 feet
39	10	12	22	Average size {				Females: 41.92 „
40	16	11	27	Average size {				Total animals: 41.37 „
41	16	16	32	Per cent {				Males: 36.25
42	14	21	35	Per cent {				Females: 63.75
43	10	32	42					
44	10	15	25					
45	2	17	19					

Sei-whales.

37	—	1	1	54	27	283	310	
39	—	1	1	55	8	170	178	
40	7	1	8	56	3	83	86	
41	8	7	15	57	—	26	26	
42	10	4	14	58	—	15	15	
43	31	24	55	59	—	2	2	
44	41	26	67	60	—	3	3	
45	61	31	92	64	—	1	1	
46	139	64	203	Sum	1,750	2,966	¹⁾ 4,716	
47	201	93	294	Average size {				Males: 48.68 feet
48	278	158	436	Average size {				Females: 51.27 „
49	299	253	552	Average size {				Total animals: 50.30 „
50	298	370	668	Per cent {				Males: 37.11
51	196	462	658	Per cent {				Females: 62.89
52	105	505	610					
53	38	383	421					

¹⁾ In addition 4 sei-whales, length and sex not stated.

Sperm-whales.

34	1	—	1	51	234	—	234	
35	1	—	1	52	156	—	156	
36	1	—	1	53	81	—	81	
37	2	—	2	54	34	—	34	
38	68	1	69	55	22	—	22	
39	104	—	104	56	9	—	9	
40	156	5	161	57	2	—	2	
41	148	1	149	58	2	—	2	
42	232	1	233	59	1	—	1	
43	336	2	338	Sum	4,706	11	¹⁾ 4,717	
44	402	1	403	Average size {				Males: 46.27 feet
45	461	—	461	Average size {				Females: 41.00 „
46	500	—	500	Average size {				Total animals: 46.26 „
47	472	—	472	Per cent {				Males: 99.77
48	509	—	509	Per cent {				Females: 0.23
49	388	—	388					
50	384	—	384					

¹⁾ In addition 6 sperm-whales, length and sex not stated.

Right-whales.

1 Male of 48 feet.

**Table No. 5.—Whales caught in the Antarctic in the season 1961/62,
by species, sex and groups of size.**

Total Antarctic.		
Blue-whales.		
	Number of whales.	Per cent.
Group 1. (70 feet and less)	230	20.61
„ 2. (71 feet to and incl. 85 feet)	788	70.61
„ 3. (above 85 feet)	98	8.78
	1,116	100.00
Immature males	310	61.02
„ females	347	57.07
„ animals	657	58.87
Mature males	198	38.98
„ females	261	42.93
„ animals	459	41.13

Fin-whales.		
	Number of whales.	Per cent.
Group 1. (55 feet and less)	278	1.03
„ 2. (56 feet to and incl. 65 feet)	11,429	42.30
„ 3. (above 65 feet)	15,313	56.67
	27,020	100.00
Immature males	4,262	34.93
„ females	4,542	30.65
„ animals	8,804	32.58
Mature males	7,938	65.07
„ females	10,278	69.35
„ animals	18,216	67.42

a. South Georgia.
Blue-whales.

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

Table No. 5 (continued).

Fin-whales.

	Number of whales.	Per cent.
Group 1. (55 feet and less)	10	1.52
„ 2. (56 feet to and incl. 65 feet)	472	71.95
„ 3. (above 65 feet)	174	26.53
	656	100.00
Immature males	179	59.47
„ females	207	58.31
„ animals	386	58.84
Mature males	122	40.53
„ females	148	41.69
„ animals	270	41.16

b. Antarctic, pelagic whaling.

Blue-whales.

	Number of whales.	Per cent.
Group 1. (70 feet and less)	230	20.61
„ 2. (71 feet to and incl. 85 feet)	788	70.61
„ 3. (above 85 feet)	98	8.78
	1,116	100.00
Immature males	310	61.02
„ females	347	57.07
„ animals	657	58.87
Mature males	198	38.98
„ females	261	42.93
„ animals	459	41.13

Fin-whales.

	Number of whales.	Per cent.
Group 1. (55 feet and less)	268	1.02
„ 2. (56 feet to and incl. 65 feet)	10,957	41.56
„ 3. (above 65 feet)	15,139	57.42
	26,364	100.00
Immature males	4,083	34.31
„ females	4,335	29.97
„ animals	8,418	31.93
Mature males	7,816	65.69
„ females	10,130	70.03
„ animals	17,946	68.07

Table No. 6.—Average production of oil per blue-whale unit in the Antarctic in the season 1961/62.

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	401.7	Barrels ² 45,359	Barrels ² 112.9
<i>Antarctic, pelagic whaling</i>	No. 1	456.7	68,175	149.3
	„ 2	599.5	86,787	144.8
	„ 3	588.5	84,539	143.7
	„ 4	537.8	73,389	136.5
	„ 5	483.8	66,026	136.5
	„ 6	614.0	82,154	133.8
	„ 7	605.1	78,990	130.5
	„ 8	579.0	74,106	128.0
	„ 9	1,004.0	126,765	126.3
	„ 10	1,250.5	150,481	120.3
	„ 11	611.9	72,770	118.9
	„ 12	856.1	101,000	118.0
	„ 13	697.4	81,998	117.6
	„ 14	283.1	33,013	116.6
	„ 15	729.6	84,365	115.6
	„ 16	611.2	68,703	112.4
	„ 17	952.0	106,294	111.7
	„ 18	972.5	96,212	98.9
	„ 19	1,050.6	100,647	95.8
	„ 20	903.5	84,588	93.6
	„ 21	829.0	76,176	91.9
Total		15,215.8	1,797,178	118.1

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 1961/62.

Blue-whale females.

Length of mothers.	Number of pregnant animals.	Length of mothers.	Number of pregnant animals.	
Engl. feet.		Engl. feet.		
70	9	82	5	Number of fetuses measured
71	4	83	1		96
72	4	84	2	Total number of blue-whale females measured 608, of which
73	4	85	10	pregnant animals 96, or 15.79
74	3	86	9	per cent.
75	3	87	8	Total number of mature blue-whale females (above 76 feet)
76	2	88	7	measured 261, of which pregnant
77	4	89	4	animals 67, or 25.67 per cent.
78	3	90	2	
79	6	92	2	
80	2			
81	2			
		Total	96	

Table No. 7 (continued).

Fin-whale females.

Length of mothers.	Number of pregnant animals.	Length of mothers.	Number of pregnant animals.	
Engl. feet.		Engl. feet.		Number of fetuses measured..... 5,925
57	1	72	633	of which twin pairs..... 65
59	2	73	786	» » triplets..... 2
60	3	74	604	Total number of fin-whale females measured 14,820, of which pregnant animals 5,856, or 39.51 per cent.
61	6	75	598	Total number of mature fin-whale females (above 64 feet) measured 10,278, of which pregnant animals 5,762, or 56.06 per cent.
62	13	76	432	
63	23	77	253	
64	46	78	133	
65	93	79	89	
66	164	80	44	
67	249	81	12	
68	268	82	6	
69	347	83	1	
70	496	84	1	
71	553	Total	5,856	

Humpback females.

Length of mothers.	Number of pregnant animals.	Length of mothers.	Number of pregnant animals.	
Engl. feet.		Engl. feet.		Number of fetuses measured..... 106
36	1	44	12	Total number of humpback females measured 197, of which pregnant animals 106, or 53.81 per cent.
37	1	45	13	Total number of mature humpback females (above 40 feet) measured 133, of which pregnant animals 89, or 66.92 per cent.
38	3	46	9	
39	4	47	9	
40	8	48	7	
41	7	Total	106	
42	15			
43	17			

Sei-whale females.

Length of mothers.	Number of pregnant animals.	Length of mothers.	Number of pregnant animals.	
Engl. feet.		Engl. feet.		Number of fetuses measured..... 1,501
43	2	53	198	of which twin pairs..... 16
44	4	54	152	
45	4	55	86	
46	21	56	41	
47	43	57	12	
48	75	58	6	
49	134	59	1	
50	196	60	1	
51	248	64	1	
52	260	Total	1,485	

Sperm-whale females.

2 pregnant animals of 40 feet. — Number of fetuses measured 2.

Table No. 8.—Whale fetuses measured in the Antarctic in the season 1961/62, by species and groups of size, in each month.

Blue-whale fetuses.

Groups of size. Engl. feet.	February	March	April	Total
0'—0' 11"	—	—	1	1
1'—1' 11"	—	—	1	1
3'—3' 11"	2	—	—	2
4'—4' 11"	—	—	—	—
5'—5' 11"	1	—	—	1
6'—6' 11"	3	—	—	3
7'—7' 11"	1	—	—	1
8'—8' 11"	5	1	—	6
9'—9' 11"	5	—	—	5
10'—10' 11"	1	3	—	4
11'—11' 11"	6	—	—	6
12'—12' 11"	8	3	—	11
13'—13' 11"	14	4	—	18
14'—14' 11"	2	4	—	6
15'—15' 11"	5	4	—	9
16'—16' 11"	6	—	3	9
17'—17' 11"	3	1	1	5
18'—18' 11"	1	3	—	4
19'—19' 11"	1	—	—	1
20'—20' 11"	—	1	1	2
23'—23' 11"	—	—	1	1
Total blue-whale fetuses	64	24	8	96
Average size of fetuses	12' 2"	14' 2"	13' 10"	12' 10"

Fin-whale fetuses.

Groups of size. Engl. feet.	Oct.	Nov.	Dec.	Jan.	Febr.	March	April	Total
0'—0' 11"	—	—	28	50	10	1	—	89
1'—1' 11"	3	—	66	72	27	9	—	177
2'—2' 11"	1	2	96	134	73	29	—	335
3'—3' 11"	—	3	138	150	97	47	1	436
4'—4' 11"	—	1	117	206	111	41	1	477
5'—5' 11"	—	—	138	237	113	57	—	545
6'—6' 11"	—	2	96	250	141	65	4	558
7'—7' 11"	—	—	88	200	166	96	1	551
8'—8' 11"	—	—	43	190	181	91	3	508
9'—9' 11"	—	—	19	124	170	89	3	405
10'—10' 11"	—	—	6	138	164	114	2	424
11'—11' 11"	—	—	1	61	118	96	1	277
12'—12' 11"	—	—	—	57	132	102	1	292
13'—13' 11"	—	—	—	13	89	143	1	246
14'—14' 11"	—	—	—	18	67	127	2	214
15'—15' 11"	—	—	1	1	35	97	6	140
16'—16' 11"	—	—	—	1	15	71	3	90
17'—17' 11"	—	—	—	3	4	63	4	74
18'—18' 11"	—	—	—	—	3	50	5	58
19'—19' 11"	—	—	—	—	1	12	1	14
20'—20' 11"	—	—	1	—	—	8	2	11
21'—21' 11"	—	—	—	—	—	1	—	1
22'—22' 11"	—	—	—	—	—	2	—	2
23'—23' 11"	—	—	—	—	—	1	—	1
Total fin-whale fetuses	4	8	838	1,905	1,717	1,412	41	5,925
Average size of fetuses	1' 8"	3' 7"	4' 8"	6' 4"	8' 5"	11' 2"	12' 11"	7' 11"

Table No. 8 (continued)

Humpback foetuses.

Groups of size. Engl. feet.	Jan.	April	Total.
0'—0' 11"	1	—	1
1'—1' 11"	32	—	32
2'—2' 11"	51	—	51
3'—3' 11"	15	—	15
4'—4' 11"	5	1	6
5'—5' 11"	1	—	1
Total humpback foetuses	105	1	106
Average size of foetuses	2' 4"	4' 0"	2' 4"

Sei-whale foetuses.

Groups of size. Engl. feet	Dec.	Jan.	Febr.	March.	April.	Total.
1'— 1' 11"	1	1	1	1	—	4
2'— 2' 11"	4	2	2	2	—	10
3'— 3' 11"	9	18	13	5	—	45
4'— 4' 11"	15	34	20	22	1	92
5'— 5' 11"	6	39	31	20	—	96
6'— 6' 11"	4	55	66	35	4	164
7'— 7' 11"	1	37	81	45	5	169
8'— 8' 11"	—	24	87	76	3	190
9'— 9' 11"	—	7	76	84	8	175
10'—10' 11"	—	3	76	106	7	192
11'—11' 11"	—	1	35	100	14	150
12'—12' 11"	—	—	16	81	17	114
13'—13' 11"	—	—	8	49	14	71
14'—14' 11"	—	—	1	13	4	18
15'—15' 11"	—	—	—	9	—	9
16'—16' 11"	—	—	—	2	—	2
Total sei-whale foetuses	40	221	513	650	77	1,501
Average size of foetuses	4' 4"	6' 2"	8' 4"	9' 10"	11' 0"	8' 8"

Sperm-whale foetuses.

Groups of size. Engl. feet	November
2'— 2' 11"	1
11'—11' 11"	1
Total sperm-whale foetuses	2
Average size of foetuses ..	7' 3"

Table No. 9.—Whale foetuses measured in the Antarctic in the season 1961/62, 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	33	31	—	64	106.45
March	12	12	—	24	100.00
April	4	4	—	8	100.00
Total	49	47	—	96	104.26

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	2	2	—	4	100.00
November	5	3	—	8	166.67
December	438	393	7	838	111.45
January	934	966	5	1,905	96.69
February	847	870	—	1,717	97.36
March	710	702	—	1,412	101.14
April	15	26	—	41	57.69
Total	2,951	2,962	12	5,925	99.63
Humpback foetuses.					
January	56	49	—	105	114.29
April	—	1	—	1	—
Total	56	50	—	106	112.00
Sei-whale foetuses.					
December	30	10	—	40	300.00
January	120	100	1	221	120.00
February	270	243	—	513	111.11
March	315	333	2	650	94.59
April	32	45	—	77	71.11
Total	767	731	3	1,501	104.92
Sperm-whale foetuses.					
November	1	1	—	2	100.00

