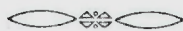


INTERNATIONAL
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LVIII

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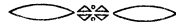
OSLO 1966

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OSLO 1966

PRINTED BY
GRØNDAHL & SØN, OSLO

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PREFACE

The present publication, International Whaling Statistics No. LVIII, embraces the results of the Antarctic Whaling during the season 1965-66.

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

It has not been possible to receive from United Kingdom details of the South Georgia catch. All tables dealing with the length and sex of the whales caught from South Georgia in 1965-66 have therefore not been completed.

Oslo, December 1966.

Gunnar Jahn.

Birger Bergersen.

Einar Vangstein.

INTRODUCTION

Regulative provisions.

At the special meeting of the International Whaling Commission in May 1965 Commissioners agreed to recommend to their Governments a quota for the 1965-66 Antarctic season of 4,500 blue-whale units, and that there should be further reductions for the seasons 1966-67 and 1967-68, which will assure that the total catch for 1967-68 will be less than the combined sustainable yields of the fin- and sei-whale stocks as determined on the basis of more precise scientific evidence. During the seventeenth meeting this recommendation was implemented by an amendment on the Schedule. No objections were received to this, and the amendment became therefore binding on all Contracting Governments.

The national quota allocation for the season 1965-66 was as follows:

Japan	52 per cent = 2,340 blue-whale units
Norway	28 —»— = 1,260 —»—
U.S.S.R.	20 —»— = 900 —»—
<hr/>	
Total	100 per cent = 4,500 blue-whale units

The most important regulations governing the pelagic whaling in the season 1965-66 were as follows:

1. The open season for the taking of fin- and sei-whales was from December 12th to April 7th, both days inclusive.
2. At the sixteenth meeting of the Commission it was decided that it should be forbidden to kill blue-whales in the Antarctic. This amendment of the Schedule was, however, objected to by all Antarctic pelagic whaling countries. Consequently expeditions under the flag of these members were in the season 1964-65 allowed to catch blue-whales from February 1st to April 7th, in the waters between 40°-55° South Latitude and from 0° eastwards to 80° East Longitude. In the other areas of the Antarctic the blue-whales were protected. Prior to the commencement of the 1965-66 season the pelagic whaling countries withdrew the objection lodged against this amendment with the effect that the blue-whales were totally protected in the Antarctic.

3. At the seventeenth meeting of the Commission it was decided:
 «It is forbidden to use a whale catcher attached to a factory ship for the purpose of killing or attempting to kill sperm-whales in the waters between 40° South Latitude and 40° North Latitude.»
 This amendment of the Schedule was objected to within the prescribed period by Norway, Japan and the Union of Soviet Socialist Republics. This paragraph was therefore not binding on these countries.
4. The open season for taking of sperm-whales was 8 months.
5. It was forbidden to take fin-whales under 57 feet, sei-whales under 40 feet and sperm-whales under 38 feet. Further it was forbidden to kill blue-whales, humpback whales, right-whales, grey-whales and female whales accompanied by a calf.
6. The number of baleen whales taken during the open season in waters south of 40° South Latitude by whale catchers attached to factory ships under jurisdiction of the Contracting Governments should not exceed 4,500 blue-whale units in 1965-66. (As one blue-whale unit is reckoned 2 fin-whales or 6 sei-whales.)

The land station on South Georgia was allowed a 6 months' consecutive catching period, and was otherwise subject to the same provisions as stated in paragraphs 4 and 5, except that the minimum size limit for sperm-whales was 35 feet.

Whaling period.

All the pelagic expeditions commenced the taking of fin- and sei-whales on December 12th 1965. The Japanese and Russian factory ships ceased the operations gradually as the stipulated quotas were reached. The first Japanese factory ship ceased the baleen whale catch on March 5th and the last on March 23rd 1966. The first Russian factory ship ceased the baleen whale catch on March 25th and the last on April 7th 1966. The two Norwegian factory ships, which did not reach the stipulated quotas, ceased the operations on April 7th 1966, which was the latest closing date according to the provisions of the International Whaling Convention.

The whaling period and number of catching days for the pelagic baleen whaling operations in the seasons 1956/57-1965/66 will be seen from the following survey:

Seasons	Whaling period	Catching days
1956-57	January 7th-March 16th	69
1957-58	January 7th-March 16th	69
1958-59	January 7th-March 16th	69

Seasons	Whaling period	Catching days
1959-60.....	December 28th-April 7th	102
1960-61.....	December 28th-April 7th	101
1961-62.....	December 12th-April 7th	117
1962-63.....	December 12th-April 7th	117
1963-64.....	December 12th-April 7th	118
1964-65.....	December 12th-April 7th	117
1965-66.....	December 12th-April 7th	117

In the last seven seasons some of the expeditions closed their baleen whale operations at an earlier date. The average catching periods during these seasons were therefore:

Seasons	Average catching period
1959-60	99 days
1960-61	96 »
1961-62	115 »
1962-63	111 »
1963-64	111 »
1964-65	104 »
1965-66	103 »

Whaling matériel.

In pelagic whaling during the Antarctic season 1965-66, 10 floating factories with a total of 128 catching boats were in operation. This was 5 floating factories and 44 catching boats less than in the previous season, as the Norwegian factory ships "Sir James Clark Ross" and "Thorshøvdi", the Japanese factory ships "Nisshin Maru No. 2" and "Kyokuyo Maru No. 2" and the Russian factory ship "Slava" were not taking part in the Antarctic this season.

The number of floating factories and catchers operated by the respective countries during the last three seasons were as follows:

Countries	Season 1963-64		Season 1964-65		Season 1965-66	
	Floating factories	Catchers	Floating factories	Catchers	Floating factories	Catchers
Japan	7	78	7	71	5	52
Netherlands	1	11	—	—	—	—
Norway	4	33	4	36	2	21
U. S. S. R.	4	68	4	65	3	55
Total	16	190	15	172	10	128

On South Georgia a Japanese company carried on whaling from one shore station with 10 catching boats. The season commenced on October 1st and closed December 15th 1965, when the catchers were transferred to the pelagic catch.

Table a.—Number and gross tonnage of floating factories and catchers engaged in pelagic whaling in the Antarctic 1947/48—1965/66.

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.
1947-48. . . .	17	234,759	13,809	162	56,156	347	1,302
1948-49. . . .	18	254,406	14,134	191	76,272	399	1,501
1949-50. . . .	18	257,112	14,284	216	91,499	424	1,582
1950-51. . . .	19	271,646	14,297	239	108,493	454	1,705
1951-52 ¹⁾ . .	19	289,120	15,217	263	124,374	473	1,774
1952-53. . . .	16	238,448	14,903	230	113,608	494	1,862
1953-54. . . .	17	261,898	15,406	206	102,525	498	1,874
1954-55. . . .	19	286,205	15,063	233	119,011	511	1,933
1955-56. . . .	19	305,765	16,093	257	131,881	513	1,945
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
1962-63. . . .	17	354,581	20,858	201	141,327	703	2,957
1963-64. . . .	16	339,132	21,196	190	134,751	709	3,011
1964-65. . . .	15	312,302	20,820	172	123,005	715	3,041
1965-66. . . .	10	217,112	21,711	128	95,122	743	3,226

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

Table a, above, gives the number of floating factories and catchers engaged in pelagic whaling since the season 1947-48. The table also shows the average gross tonnage of the floating factories and the average tonnage and engine power of the catchers.

From the following survey 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 1947-48.

Seasons	Number of floating factories	Number of catchers	Average number of catchers per floating factory	Seasons	Number of floating factories	Number of catchers	Average number of catchers per floating factory
1947-48	17	162	9.5	1957-58	20	237	11.9
1948-49	18	191	10.6	1958-59	20	235	11.8
1949-50	18	216	12.0	1959-60	20	220	11.0
1950-51	19	239	12.6	1960-61	21	252	12.0
1951-52	19	263	13.8	1961-62	21	261	12.4
1952-53	16	230	14.4	1962-63	17	201	11.8
1953-54	17	206	12.1	1963-64	16	190	11.9
1954-55	19	233	12.3	1964-65	15	172	11.5
1955-56	19	257	13.5	1965-66	10	128	12.8
1956-57	20	225	11.3				

The following survey shows the average number of catchers per floating factory specified for each country during the last four seasons:

Countries	Average number of catchers per floating factory			
	Season 1962—63	Season 1963—64	Season 1964—65	Season 1965—66
Japan	11.3	11.1	10.1	10.4
Netherlands	11.0	11.0	—	—
Norway	8.0	8.3	9.0	10.5
United Kingdom	9.0	—	—	—
U.S.S.R.	17.5	17.0	16.3	18.3
All the countries	11.8	11.9	11.5	12.8

Catch results.

During the Antarctic season 1965—66 the pelagic expeditions caught in all 24,441 whales, of which 35 were lost. Thus the number of whales actually processed was 24,406, as will be seen from the following survey:

Species of whales	Whales captured	Lost whales	Processed whales	Captured whales in blue-whale units
Blue-whales	1	—	1	1.0
Fin-whales	2,318	4	2,314	1,159.0
Humpbacks	1	—	1	0.4
Sei-whales	17,583	25	17,558	2,930.5
Total baleen whales	19,903	29	19,874	4,090.9
Sperm-whales	4,538	6	4,532	—
Total of whales	24,441	35	24,406	4,090.9

Outside the Antarctic (North of 40° South Lat., in the South Atlantic Ocean, the Indian Ocean and the South Pacific Ocean) the pelagic expeditions captured in all 1,566 sperm-whales, of which were produced 44,961 barrels sperm-oil. These whales and the oil production are included in the publications dealing with the catch on grounds outside the Antarctic.

The pelagically caught baleen whales converted into blue-whale units amounted to 4,090.9 units in the season 1965—66 as compared with 6,986.1 units in 1964—65. The survey below shows the total catch in blue-whale units and the agreed maximum catch from and including the season 1947—48:

Seasons	Catch in blue-whale units	Agreed maximum quota Blue-whale units
1947—48	16,364.3	16,000
1948—49	16,007.4	16,000
1949—50	16,062.1	16,000

(Cont. on next page.)

Seasons	Catch in blue-whale units	Agreed maximum quota Blue-whale units
1950-51	16,416.2	16,000
1951-52	16,007.7	16,000
1952-53	14,866.6	16,000
1953-54	15,456.4	15,500
1954-55	15,323.5	15,500
1955-56	14,874.3	15,000
1956-57	14,745.2	14,500
1957-58	14,850.9	14,500
1958-59	15,300.8	15,000
1959-60	15,511.7	15,000
1960-61	16,433.5	1) ¹⁾ —
1961-62	15,252.6	1) ¹⁾ —
1962-63	11,306.1	15,000
1963-64	8,429.0	10,000
1964-65	6,986.1	8,000
1965-66	4,090.9	4,500

¹⁾ No maximum quota.

In the season 1965-66 the pelagic expeditions in the Antarctic processed 4,084.8 blue-whale units yielding 447,718 barrels of whale-oil, and 4,532 sperm-whales yielding 186,029 barrels of sperm-oil.

The catch in blue-whale units in the last four seasons apportioned between the individual countries was as follows:

Countries	Catch in blue-whale units			
	Season 1962-63	Season 1963-64	Season 1964-65	Season 1965-66
Japan	6,149.6	4,600.1	4,124.6	2,340.1
Netherlands	457.5	343.3	—	—
Norway	1,380.5	1,484.5	1,273.4	829.2
United Kingdom	502.5	—	—	—
U.S.S.R.	2,816.0	2,001.1	1,588.1	921.6
Total	11,306.1	8,429.0	6,986.1	4,090.9

In addition Japan was operating from two shore stations on South Georgia in each of the seasons 1963-64 and 1964-65 and had a catch resulting in 344.2 and 335.8 blue-whale units, respectively. In the last season 1965-66 Japan was operating from one shore station on South Georgia and the catch amounted to 111.7 blue-whale units.

The total whaling results in the Antarctic from 1947-48 up to and including 1965-66 are given in table b, page 13. In table c, page 13, the pelagic results during the same period have been recorded separately.

Table b.—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.	Floating factories.	Catchers.	
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	—	33,996	2,303,690	3	19	260	131
1951-52	5,130	22,527	1,556	530	5,485	—	35,228	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	—	34,869	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	—	38,538	2,307,171	3	19	278	139
1956-57	1,512	27,757	679	1,692	4,429	—	36,069	2,246,922	3	20	246	147
1957-58	1,690	27,473	396	3,309	6,535	—	39,403	2,317,638	2	20	257	153
1958-59	1,192	27,128	2,394	2,421	5,652	—	38,787	2,152,659	3	20	256	152
1959-60	1,239	27,575	1,338	4,309	4,227	—	38,688	2,148,438	3	20	241	161
1960-61	1,744	28,761	718	5,102	4,800	¹⁾ 2	41,127	2,232,884	3	21	268	153
1961-62	1,118	27,099	309	5,196	4,829	¹⁾ 1	38,552	2,051,776	1	21	269	143
1962-63	947	18,668	270	5,503	4,771	—	30,159	1,495,779	—	17	201	150
1963-64	112	14,422	2	8,695	6,711	—	29,942	1,340,758	2	16	194	154
1964-65	20	7,811	—	20,380	4,352	—	32,563	1,063,416	2	15	177	184
1965-66	1	2,536	1	17,587	4,555	—	24,680	644,263	1	10	128	193

¹⁾ Right-whales.

Table c.—Pelagic 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.	Floating factories.	Catchers.	
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	—	31,179	2,152,498	—	19	239	130
1951-52	5,124	20,520	1,546	32	5,344	—	32,566	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	—	31,215	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	—	35,489	2,134,808	—	19	257	138
1956-57	1,505	25,700	679	712	4,345	—	32,941	2,098,854	—	20	225	146
1957-58	1,684	25,222	396	2,385	6,310	—	35,997	2,146,206	—	20	237	152
1958-59	1,191	25,837	2,394	1,402	5,437	—	36,261	2,050,241	—	20	235	154
1959-60	1,230	26,415	1,338	3,234	4,138	—	36,355	2,050,892	—	20	220	165
1960-61	1,740	27,374	718	4,310	4,666	¹⁾ 2	38,810	2,123,157	—	21	252	154
1961-62	1,118	26,438	309	4,749	4,743	¹⁾ 1	37,358	2,001,961	—	21	261	143
1962-63	947	18,668	270	5,503	4,771	—	30,159	1,495,779	—	17	201	150
1963-64	112	13,870	2	8,286	6,651	—	28,921	1,299,476	—	16	190	152
1964-65	20	7,308	—	19,874	4,211	—	31,413	1,017,611	—	15	172	183
1965-66	1	2,318	1	17,583	4,538	—	24,441	634,299	—	10	128	191

¹⁾ Right-whales.

From table c it will appear that the pelagic catch of baleen whales during the two last seasons has consisted mostly of sei-whales. Thus in 1964-65 73.1 per cent and in 1965-66 88.3 per cent of the total baleen whale catch were sei-whales. The corresponding percentage figures for the number of fin-whales caught were 26.9 and 11.6, respectively.

The sperm-whale catch in the pelagic whaling in Antarctic (South of 40° South Lat.) in the season 1965–66 amounted to 4,538 animals. In addition the pelagic expeditions caught outside the Antarctic (north of 40° South Lat.) approximately 1,500 sperm-whales. The survey below shows the total catch of sperm-whales during the 5 last seasons, specified for each country and for grounds:

Seasons Countries	Number of sperm-whales caught in the pelagic whaling			Total
	On voyage to the Antarctic	In the Antarctic	On voyage from the Antarctic	
1961–62				
Japan	—	1,064	—	1,064
Netherlands	—	406	—	406
Norway	83	1,657	—	1,740
United Kingdom ..	—	333	—	333
U.S.S.R.	38	1,283	—	1,321
Total	121	4,743	—	4,864
1962–63				
Japan	461	1,314	64	1,839
Netherlands	—	347	29	376
Norway	137	899	5	1,041
United Kingdom ..	39	258	—	297
U.S.S.R.	256	1,953	11	2,220
Total	893	4,771	109	5,773
1963–64				
Japan	2,804	1,877	25	4,706
Netherlands	—	335	—	335
Norway	269	917	—	1,186
U.S.S.R.	477	3,522	35	4,034
Total	3,550	6,651	60	10,261
1964–65				
Japan	2,792	279	—	3,071
Norway	412	1,231	5	1,648
U.S.S.R.	1,052	2,701	1,334	5,087
Total	4,256	4,211	1,339	9,806
1965–66				
Japan	160	264	58	482
Norway	16	652	—	668
U.S.S.R.	704	3,622	628	4,954
Total	880	4,538	686	6,104

In the seasons prior to 1961–62 the catch of sperm-whales on voyage to and from the Antarctic whaling grounds was insignificant.

Table d, page 16, illustrates the relation between the various species of whales killed in pelagic whaling in the Antarctic from 1947-48. During the last season 1965-66 the fin-whale catch represented only 9.5 per cent of the total catch compared with 23, 48 and 62 per cent during the three preceding seasons. On the other hand the sei-whale catch increased from about 29 per cent in 1963-64 to 63 per cent in 1964-65 and to 72 per cent in the last season. The catch of sperm-whales in the Antarctic (i.e. south of 40° South Latitude) amounted to about 19 per cent last season as against 13 and 23 per cent in the two preceding seasons.

Table e, on next page, gives i.a. the average daily production of whale oil per floating factory as well as per catcher. The average daily production of whale-oil per floating factory in 1965-66 amounted to 433 barrels as against 543 and 611 barrels in the two preceding seasons. During the ten seasons 1949/50-1958/59 the corresponding figures varied between 1,266 and 1,690 barrels of whale-oil.

The average daily production of whale-oil per catcher in 1965-66 was 34 barrels, which is the lowest result ever recorded in pelagic whaling. During the seasons 1949/50-1958/59 the average daily production per catcher varied between 103 and 126 barrels.

In tables f and g, pages 17 and 18, the monthly catch of the various species of whales is recorded in absolute and percentage figures for a series of years.

The movement of the whaling activities northwards continued in the last season. Between 40°-50° South Lat. the catch resulted in 2,868 blue-whale units, and this represents about 70 per cent of the total catch, as compared with about 38 per cent in the season 1964-65. The survey below will show the catch between each 10 degrees latitude in the Antarctic for the seasons 1958-59 and 1962/63-1965/66.

Catch between each 10 degrees latitude in the Antarctic:

	Catch in blue-whale units				
	Season 1958/59	Season 1962/63	Season 1963/64	Season 1964/65	Season 1965/66
40°-50° South Lat.	—	2,746	1,543	2,695	2,868
50°-60° » »	5,299	5,560	6,124	4,006	639
60°-70° » »	9,194	2,972	781	351	578
70°-80° » »	741	28	—	—	—
Total	15,234	11,306	8,448	7,052	4,085

(To be continued on page 19.)

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

Years.	Species of whales caught.					
	Blue.	Fir.	Hump-back.	Sei.	Sperm.	Total.
	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.
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
1962-63.....	3.1	61.9	0.9	18.3	15.8	100
1963-64.....	0.4	48.0	—	28.6	23.0	100
1964-65.....	—	23.3	—	63.3	13.4	100
1965-66.....	—	9.5	—	71.9	18.6	100

Table e.—Average production per floating factory and catcher in the pelagic whaling in Antarctic 1956/57—1965/66.

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.
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
1962-63.....	1,293,491	17	76,088	1,878	110	11,759	689
1963-64 ¹⁾	1,016,670	15	67,778	1,663	111	9,159	611
1964-65.....	844,457	15	56,297	1,554	104	8,120	543
1965-66.....	448,020	10	44,802	1,034	103	4,350	433

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 ²⁾ per catcher's day-work
				Total.	Average per catcher.		
	Barrels.		Barrels.			Barrels.	
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	1.51
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
1962-63....	1,293,491	201	6,435	22,504	112	57	1.13
1963-64 ¹⁾ ..	1,016,670	180	5,646	19,876	110	51	1.10
1964-65....	844,457	172	4,910	17,475	102	48	1.56
1965-66....	448,020	128	3,500	13,122	103	34	1.52

¹⁾ Excl. one expedition, which mostly caught sperm-whales. ²⁾ Not including sperm-whales.

Table f.—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>	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	12,628	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
	1962-63..	1,307	4,988	7,805	8,499	6,223	1,267	30,089	30,159
	1963-64..	1,158	4,534	8,874	7,840	5,331	1,125	28,862	28,921
1964-65..	365	4,192	10,035	10,096	5,856	822	31,366	31,413	
1965-66..	178	4,328	7,443	6,513	4,711	1,231	24,404	24,441	
<i>Blue-whales.</i>	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
	1962-63..	—	—	—	227	490	227	944	947
	1963-64..	—	—	—	29	49	34	112	112
1964-65..	—	—	—	11	8	1	20	20	
1965-66..	—	—	—	—	1	—	1	1	
<i>Fin-whales.</i>	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
	1962-63..	—	3,477	6,099	5,639	3,228	193	18,636	18,668
	1963-64..	—	2,732	4,338	4,164	2,482	137	13,853	13,870
1964-65..	—	2,452	2,353	1,328	1,083	90	7,306	7,308	
1965-66..	—	327	624	403	878	82	2,314	2,318	
<i>Hump-backs.</i>	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
	1962-63..	—	1	269	—	—	—	270	270
	1963-64..	—	—	—	—	—	2	2	2
1965-66..	—	—	—	—	1	—	1	1	
<i>Sei-whales.</i>	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	1,522	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
	1962-63..	—	392	659	1,954	2,112	365	5,482	5,503
	1963-64..	—	552	3,204	2,451	1,867	182	8,256	8,286
1964-65..	—	1,001	7,116	7,690	3,870	161	19,838	19,874	
1965-66..	—	3,202	5,701	5,579	2,923	153	17,558	17,583	
<i>Sperm-whales.</i>	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	46	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
	1962-63..	¹⁾ 1,307	1,118	778	679	393	482	4,757	4,771
	1963-64..	1,158	1,250	1,332	1,196	933	770	6,639	6,651
1964-65..	365	739	566	1,067	895	²⁾ 570	4,202	4,211	
1965-66..	178	799	1,120	531	908	996	4,532	4,538	

¹⁾ Of which 101 caught in October. ²⁾ Of which 190 caught in May.

Table g.—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>	1956-57	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	
	
<i>Blue-whales</i>	1956-57	—	—	—	8.4	7.9	—	4.6	4.6
	1957-58	—	—	—	12.4	2.7	—	4.7	4.7
	1958-59	—	—	—	6.1	6.3	—	3.3	3.3
	1959-60	—	—	—	4.5	10.9	2.2	3.4	3.4
	1960-61	—	—	—	11.0	5.3	1.4	4.5	4.5
	1961-62	—	—	—	7.3	3.2	10.8	3.0	3.0
	1962-63	—	—	—	2.7	7.9	17.9	3.1	3.1
	1963-64	—	—	—	0.3	0.9	3.0	0.4	0.4
	1964-65	—	—	—	—	0.1	0.1	—	—
1965-66	—	—	—	—	0.1	—	—	—	
<i>Fin-whales</i>	1956-57	—	0.1	93.9	81.0	82.1	—	77.9	78.0
	1957-58	—	0.2	94.0	74.1	72.7	—	70.0	70.1
	1958-59	—	0.2	93.6	67.3	81.3	—	71.2	71.2
	1959-60	0.6	42.4	83.0	76.1	69.5	80.8	72.6	72.6
	1960-61	6.7	50.5	86.1	68.5	69.9	58.6	70.6	70.5
	1961-62	—	75.5	83.0	74.0	67.4	21.0	70.8	70.8
	1962-63	—	69.7	78.1	66.3	51.9	15.2	62.0	61.9
	1963-64	—	60.3	48.9	53.1	46.6	12.2	48.0	48.0
	1964-65	—	58.5	23.5	13.2	18.5	10.9	23.3	23.3
1965-66	—	7.5	8.4	6.2	18.6	6.7	9.5	9.5	
<i>Hump-backs</i>	1956-57	—	—	—	4.8	—	—	2.1	2.0
	1957-58	—	—	—	3.3	—	—	1.1	1.1
	1958-59	—	—	—	18.7	—	—	6.6	6.6
	1959-60	—	—	9.7	0.7	0.1	—	3.7	3.7
	1960-61	—	0.2	5.6	0.1	—	—	1.8	1.9
	1961-62	—	—	3.0	—	—	0.2	0.8	0.8
	1962-63	—	—	3.5	—	—	—	0.9	0.9
	1963-64	—	—	—	—	—	0.2	—	—
1965-66	—	—	—	—	—	—	—	—	
<i>Sei-whales</i>	1956-57	—	—	0.7	3.1	4.8	—	2.2	2.2
	1957-58	—	—	0.4	5.7	21.8	—	6.6	6.6
	1958-59	—	—	1.6	4.6	9.4	—	3.9	3.9
	1959-60	—	0.5	4.3	14.3	15.3	8.6	8.9	8.9
	1960-61	—	0.1	4.8	16.5	18.5	19.1	11.1	11.1
	1961-62	—	3.6	5.9	14.1	22.8	34.7	12.7	12.7
	1962-63	—	7.9	8.4	23.0	33.9	28.8	18.2	18.3
	1963-64	—	12.2	36.1	31.3	35.0	16.2	28.6	28.6
	1964-65	—	23.9	70.9	76.2	66.1	19.6	63.3	63.3
1965-66	—	74.0	76.6	85.7	62.0	12.4	71.9	71.9	
<i>Sperm-whales</i>	1956-57	100.0	99.9	5.4	2.7	5.2	—	13.2	13.2
	1957-58	100.0	99.8	5.6	4.5	2.8	—	17.6	17.5
	1958-59	100.0	99.8	4.8	3.3	3.0	—	15.0	15.0
	1959-60	99.4	57.1	3.0	4.4	4.2	8.4	11.4	11.4
	1960-61	93.3	49.2	3.5	3.9	6.3	20.9	12.0	12.0
	1961-62	100.0	20.9	8.1	4.6	6.6	33.3	12.7	12.7
	1962-63	100.0	22.4	10.0	8.0	6.3	38.1	15.8	15.8
	1963-64	100.0	27.5	15.0	15.3	17.5	68.4	23.0	23.0
	1964-65	100.0	17.6	5.6	10.6	15.3	69.4	13.4	13.4
1965-66	100.0	18.5	15.0	8.1	19.3	80.9	18.6	18.6	

The distribution of the various species of whales caught in the season 1965-66 was as follows:

Catch between each 10 degrees latitude in the Antarctic.

	Blue-whales	Fin-whales	Hump-backs	Set-whales	Sperm-whales	Total of whales
40°-50° South Lat. . .	—	829	—	14,722	2,019	17,570
50°-60° " " ..	1	849	1	1,278	1,013	3,142
60°-70° " " ..	—	636	—	1,558	1,500	3,694
Total	1	2,314	1	17,558	4,532	24,406

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 II	between	60° West	and	0°
" III	"	0°	"	70° East
" IV	"	70° East	"	130° "
" V	"	130° "	"	170° West
" VI	"	170° West	"	120° "
" I	"	120° "	"	60° "

From the following survey will be seen the whaling results in blue-whale units in the individual areas during the last 10 seasons:

Seasons]	Area II		Area III		Area IV		Area V		Area VI		Area I		Total blue-whale units
	Blue-whale units	Per cent	Blue-whale units	Per cent	Blue-whale units	Per cent	Blue-whale units	Per cent	Blue-whale units	Per cent	Blue-whale units	Per cent	
1956-57..	5,724	39.1	2,186	14.9	226	1.5	12	0.1	3,174	21.7	3,315	22.7	14,637
1957-58..	2,872	19.5	5,267	35.7	2,022	13.7	716	4.8	2,721	18.4	1,172	7.9	14,770
1958-59..	2,215	14.5	5,117	33.6	4,739	31.1	1,776	11.7	1,388	9.1	—	—	15,235
1959-60..	2,585	16.8	4,983	32.3	3,765	24.4	3,401	22.0	365	2.4	322	2.1	15,421
1960-61..	2,929	17.9	7,885	48.1	1,211	7.4	1,887	11.5	2,222	13.6	241	1.5	16,375
1961-62..	3,729	24.5	6,488	42.6	1,792	11.8	693	4.5	718	4.7	1,809	11.9	15,229
1962-63..	3,109	27.5	5,491	48.6	1,010	8.9	586	5.2	257	2.3	853	7.5	11,306
1963-64..	4,368	51.7	2,808	33.2	367	4.4	882	10.4	—	—	22	0.3	8,447
1964-65..	4,918	69.8	687	9.7	658	9.3	749	10.6	—	—	40	0.6	7,052
1965-66..	2,439	59.7	963	23.6	106	2.6	361	8.8	202	4.9	14	0.4	4,085

In the last season 1965-66 the largest catch was obtained in Area II with 2,439 blue-whale units, or about 60 per cent of the total pelagic catch. In Area III the catch amounted to 963 blue-whale units or about 24 per cent.

Table h, page 20, records the number and average size of blue-whales, fin-whales and humpbacks killed in the different areas for a series of years.

Table h.—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	1940/41-1944/45	2,106	90.8	77.9	214	9.2	78.5	—	—	—
3	1945/46-1950/51	8,592	21.7	78.0	13,695	34.5	78.6	8,624	21.8	78.6
4	1951-52	447	8.8	78.2	1,836	36.0	79.2	1,199	23.5	77.7
5	1952-53	727	18.9	78.9	1,454	37.8	77.7	837	21.8	77.0
6	1953-54	542	20.3	78.1	1,569	58.8	78.2	356	13.4	77.2
7	1954-55	470	21.8	79.0	685	31.8	78.1	310	14.4	77.6
8	1955-56	439	27.3	77.1	300	18.6	78.8	322	20.0	77.7
9	1956-57	330	21.9	76.9	275	18.3	78.4	80	5.3	78.5
10	1957-58	236	14.0	77.8	620	36.9	77.4	186	11.1	76.7
11	1958-59	57	4.8	80.5	373	31.4	79.0	335	28.2	78.0
12	1959-60	58	4.7	79.2	231	18.8	77.4	403	32.8	73.3
13	1960-61	128	7.4	79.7	1,152	66.2	72.6	151	8.7	71.8
14	1961-62	189	16.9	77.6	477	42.8	72.9	97	8.7	74.0
15	1962-63	14	1.5	83.8	741	78.5	71.2	40	4.2	74.7
16	1963-64	—	—	—	93	83.0	70.6	19	17.0	69.7
17	1964-65	—	—	—	11	55.0	69.2	9	45.0	70.3
	1931/32-1965/66	²⁾ 38,437	20.3	78.6	77,040	40.7	78.2	56,479	29.9	79.5
Fin-whales.										
1	1931/32-1939/40	³⁾ 39,987	39.3	67.7	39,179	38.5	67.5	20,487	20.2	68.3
2	1940/41-1944/45	2,039	97.7	66.6	49	2.3	67.4	—	—	—
3	1945/46-1951/52	38,895	34.7	67.4	36,494	32.6	67.8	20,368	18.2	67.2
4	1952-53	4,551	21.7	68.1	11,364	54.2	67.1	1,449	6.9	66.2
5	1953-54	7,653	31.0	67.4	11,459	46.4	67.0	2,195	8.9	67.0
6	1954-55	4,963	19.4	67.3	13,607	53.1	66.4	2,790	10.9	66.4
7	1955-56	6,619	26.4	66.2	7,088	28.2	66.8	3,208	12.8	66.5
8	1956-57	10,697	41.9	67.4	3,812	15.0	67.2	291	1.1	64.6
9	1957-58	5,211	20.8	67.3	9,197	36.7	66.7	3,579	14.3	65.6
10	1958-59	4,298	16.7	67.1	9,385	36.6	66.4	7,277	28.3	66.5
11	1959-60	4,920	18.7	66.9	9,307	35.4	66.7	6,501	24.8	66.3
12	1960-61	5,223	19.1	66.6	13,269	48.6	67.5	2,086	7.7	65.7
13	1961-62	6,650	25.2	67.5	11,847	44.9	66.7	3,129	11.9	64.8
14	1962-63	5,570	29.9	67.0	8,977	48.2	65.9	1,725	9.3	65.4
15	1963-64	7,319	52.8	67.4	4,753	34.3	66.0	603	4.4	64.5
16	1964-65	4,528	62.0	65.6	1,199	16.4	65.7	766	10.5	64.6
17	1965-66	636	27.5	64.5	1,008	43.6	66.4	64	2.8	64.5
	1931/32-1965/66	159,759	31.3	67.3	191,994	37.6	67.1	76,518	15.0	66.9
Humpbacks.										
1	1931/32-1940/41	⁴⁾ 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
16	1962-63	—	—	—	32	11.9	41.6	—	—	—
	1931/32-1965/66	⁶⁾ 1,537	5.4	41.3	⁵⁾ 7,881	27.5	40.9	12,457	43.5	40.3

¹⁾ Incl. 608 blue-whales, length not stated. ²⁾ Incl. 1 blue-whale caught in Area II in 1965/66. ³⁾ Incl. 198 in 1963-64. ⁴⁾ Incl. 1 humpback caught in Area II in 1965/66.

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	122,263	100	79.0	128,191	1
—	—	—	—	—	—	—	—	—	2,320	100	77.9	6,161	2
6,878	17.3	79.1	1,822	4.6	79.2	45	0.1	77.7	39,656	100	78.6	39,786	3
1,462	23.6	76.9	157	3.1	77.5	—	—	—	5,101	100	78.0	5,124	4
512	13.3	76.4	317	8.2	76.9	—	—	—	3,847	100	77.5	3,866	5
83	3.1	78.2	117	4.4	76.7	—	—	—	2,667	100	78.0	2,684	6
561	26.0	76.4	128	6.0	77.0	—	—	—	2,154	100	77.8	2,163	7
15	0.9	79.1	281	17.4	76.2	254	15.8	76.3	1,611	100	77.3	1,611	8
—	—	—	617	41.0	76.3	203	13.5	76.9	1,505	100	77.0	1,505	9
76	4.5	76.9	439	26.1	76.9	125	7.4	76.1	1,682	100	77.1	1,684	10
176	14.9	78.5	246	20.7	76.9	—	—	—	1,187	100	78.3	1,191	11
391	31.8	76.6	127	10.4	76.9	18	1.5	78.7	1,228	100	75.9	1,230	12
90	5.2	78.6	213	12.2	78.0	5	0.3	77.0	1,739	100	74.0	1,740	13
74	6.6	77.4	58	5.2	76.4	221	19.8	78.2	1,116	100	75.3	1,118	14
115	12.2	82.1	25	2.6	77.9	9	1.0	75.6	944	100	73.1	947	15
—	—	—	—	—	—	—	—	—	112	100	70.4	112	16
—	—	—	—	—	—	—	—	—	20	100	69.7	20	17
11,759	6.2	78.6	4,548	2.4	77.8	890	0.5	76.9	189,153	100	78.6	199,134	
1,993	2.0	68.1	—	—	—	77	—	64.7	101,723	100	67.7	108,883	1
—	—	—	—	—	—	—	—	—	2,088	100	66.6	8,289	2
11,188	10.0	67.7	4,593	4.1	68.1	462	0.4	68.5	112,000	100	67.6	112,861	3
1,709	8.2	66.8	1,891	9.0	67.7	—	—	—	20,964	100	67.3	21,197	4
654	2.7	66.9	2,616	10.6	66.8	98	0.4	66.6	24,675	100	67.1	24,986	5
3,021	11.8	66.0	1,227	4.8	66.4	—	—	—	25,608	100	66.5	25,878	6
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	7
23	0.1	65.0	5,064	19.9	65.9	5,615	22.0	66.8	25,502	100	66.9	25,700	8
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	9
2,625	10.2	65.6	2,102	8.2	64.6	—	—	—	25,687	100	66.3	25,837	10
4,730	18.0	66.8	401	1.5	65.1	412	1.6	64.5	26,271	100	66.6	26,415	11
3,174	11.6	66.9	3,174	11.6	64.9	373	1.4	65.2	27,299	100	66.8	27,374	12
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	13
645	3.5	66.7	346	1.8	64.8	1,373	7.3	65.7	18,636	100	66.2	18,668	14
1,144	8.3	67.5	—	—	—	34	0.2	65.9	13,853	100	66.8	13,870	15
747	10.2	65.5	—	—	—	66	0.9	62.8	7,306	100	65.5	7,308	16
385	16.6	65.7	204	8.8	67.1	17	0.7	62.3	2,314	100	65.8	2,318	17
35,760	17.0	66.9	29,430	5.8	66.1	16,998	3.3	66.5	510,459	100	67.1	526,533	
28	0.2	40.3	—	—	—	—	—	—	13,816	100	40.7	16,225	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
188	69.6	41.6	1	0.4	41.0	49	18.1	41.6	270	100	41.6	270	16
4,060	14.2	40.8	1,238	4.3	41.3	1,456	5.1	41.7	28,629	100	40.7	31,114	

fin-whales, length not stated. *) Incl. 2 humpbacks, length not stated. *) Incl. 2 humpbacks caught in Area III

The total number of sei-whales and sperm-whales killed in the different areas during the seasons 1964-65 and 1965-66 were as follows:

Areas	Sei-whales caught				Sperm-whales caught			
	Season 1964/65		Season 1965/66		Season 1964/65		Season 1965/66	
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
Total	19,838	100.0	17,558	100.0	4,202	100.0	4,532	100.0
Of which in:								
Area II	15,584	78.6	12,718	72.4	1,186	28.2	914	20.2
„ III	443	2.2	2,756	15.7	506	12.0	534	11.8
„ IV	1,564	7.9	442	2.5	827	19.7	617	13.6
„ V	2,207	11.1	1,008	5.8	1,503	35.8	2,209	48.7
„ VI	—	—	599	3.4	22	0.5	247	5.5
„ I	40	0.2	35	0.2	158	3.8	11	0.2

Table i, below, contains a summary of the number of whales killed by species in each area during the period 1931/32—1965/66. Of a total catch of 891,806 whales during this period about 57 per cent have been fin-whales, 21 per cent blue-whales, 11 per cent sperm-whales, 8 per cent sei-whales and 3 per cent humpbacks. About 65 per cent of the total catch have been taken in Areas II and III, i.e. from 60° West eastwards to 70° East Longitude.

Table i.—Number of whales killed during the seasons 1931/32—1965/66.

— 1 —

Areas	Blue-whales		Fin-whales		Humpbacks		Sei-whales		Sperm-whales		Total	
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
II . . .	38,437	20.3	159,759	31.3	1,537	5.4	38,877	56.1	20,933	22.2	259,543	29.1
III . .	77,040	40.7	191,994	37.6	7,881	27.5	7,793	11.3	31,373	33.3	316,081	35.4
IV . .	56,479	29.9	76,518	15.0	12,457	43.5	4,723	6.8	20,063	21.3	170,240	19.1
V . . .	11,759	6.2	35,760	7.0	4,060	14.2	9,066	13.1	16,963	18.0	77,608	8.7
VI . .	4,548	2.4	29,430	5.8	1,238	4.3	5,217	7.5	2,553	2.7	42,986	4.8
I . . .	890	0.5	16,998	3.3	1,456	5.1	3,632	5.2	2,372	2.5	25,348	2.9
Total	189,153	100.0	510,459	100.0	28,629	100.0	69,308	100.0	94,257	100.0	891,806	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	38,437	14.8	77,040	24.4	56,479	33.2	11,759	15.2	4,548	10.6	890	3.5	189,153	21.2
Fin	159,759	61.6	191,994	60.7	76,518	44.9	35,760	46.1	29,430	68.5	16,998	67.1	510,459	57.2
Humpback	1,537	0.6	7,881	2.5	12,457	7.3	4,060	5.2	1,238	2.9	1,456	5.8	28,629	3.2
Sei	38,877	15.0	7,793	2.5	4,723	2.8	9,066	11.7	5,217	12.1	3,632	14.4	69,308	7.8
Sperm	20,933	8.0	31,373	9.9	20,063	11.8	16,963	21.8	2,553	5.9	2,372	9.2	94,257	10.6
Total	259,543	100.0	316,081	100.0	170,240	100.0	77,608	100.0	42,986	100.0	25,348	100.0	891,806	100.0

Average size of the whales killed.

Table j, below, gives the average size of whales killed in the pelagic whaling operations in the seasons 1956/57–1965/66 and from South Georgia in the seasons 1956/57–1964/65.

The average size of the fin-whales killed in 1965–66 was 65.8 feet, which together with the corresponding average size in 1964–65, was the lowest average size recorded for fin-whales in the pelagic whaling in Antarctic. In the previous 10 seasons the average size varied between 66.2 and 66.9 feet.

The average size of the sei-whales killed declined by 1.3 feet to 48.0 feet, and this was also the lowest average size for sei-whales ever recorded in the pelagic whaling.

Table j.—Average size of whales killed in the Antarctic, by whaling grounds and species of whales 1956/57—1965/66.

Whaling grounds and species of whales.	1956 -57	1957 -58	1958 -59	1959 -60	1960 -61	1961 -62	1962 -63	1963 -64	1964 -65	1965 -66
Pelagic whaling.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.	Engl. feet.
<i>Blue-whales.</i>										
Males	75.8	75.4	76.0	74.5	72.8	73.8	72.9	69.7	66.2	—
Females	78.4	79.0	80.2	77.0	75.2	76.7	73.3	71.2	71.2	86.0
Total animals.....	77.0	77.1	78.3	75.9	74.0	75.3	73.1	70.4	69.7	86.0
<i>Fin-whales.</i>										
Males	65.3	64.7	64.8	65.0	65.1	64.4	64.1	64.7	63.6	64.0
Females	68.6	67.7	67.8	68.1	68.4	68.2	67.8	68.6	67.1	67.2
Total animals.....	66.9	66.2	66.3	66.6	66.8	66.5	66.2	66.8	65.5	65.8
<i>Humpbacks.</i>										
Males	40.7	40.8	39.2	39.8	40.6	40.4	39.9	—	—	43.0
Females	42.1	42.1	40.7	41.8	42.2	41.9	42.7	40.0	—	—
Total animals.....	41.4	41.5	40.0	40.9	41.4	41.4	41.6	40.0	—	43.0
<i>Sei-whales.</i>										
Males	48.7	48.3	48.8	48.7	48.6	48.7	48.4	48.5	48.3	47.5
Females	51.3	51.3	51.4	51.3	51.4	51.3	50.9	50.8	50.5	48.9
Total animals	50.4	50.3	50.8	50.5	50.2	50.3	49.8	49.6	49.3	48.0
<i>Sperm-whales.</i>										
Males	48.7	47.5	47.2	47.3	46.8	46.3	46.5	45.7	45.8	46.3
Females	—	36.5	—	39.0	—	41.0	38.6	38.6	38.2	37.8
Total animals	48.7	47.5	47.2	47.3	46.8	46.3	46.4	45.3	45.6	45.3
South Georgia.										
<i>Blue-whales, total</i>	71.7	74.5	64.0	73.0	72.8	—	—	—	—	—
<i>Fin-whales, total</i>	63.8	66.1	65.9	66.4	64.0	62.9	—	66.9	66.9	¹⁾
<i>Humpbacks, total</i>	—	—	—	—	—	—	—	—	—	—
<i>Sei-whales, total</i>	49.5	50.1	49.8	49.5	49.3	48.6	—	49.8	49.8	¹⁾
<i>Sperm-whales, total</i>	45.7	47.1	46.5	47.6	46.9	46.7	—	48.7	48.4	¹⁾

¹⁾ No details received.

Mature and immature whales.

Table k, page 25, 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	—,,—

Catch results in relation to the whaling matériel and whaling period.

From the survey below it will be seen that there has been a great decline in the average result of blue-whale units per catcher day during the latest seasons. Thus the catch in blue-whale units per catcher day amounted to 0.95 in 1956-57 and only 0.31 in the last season.

Seasons	Average result of blue-whale units per catcher day.						All areas
	Area II	Area III	Area IV	Area V	Area VI	Area I	
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
1962-63	0.51	0.59	0.36	0.46	0.42	0.36	0.50
1963-64	0.52	0.42	0.19	0.27	—	0.23	0.41
1964-65	0.47	0.38	0.29	0.25	—	0.54	0.40
1965-66	0.38	0.39	0.17	0.14	0.21	0.32	0.31

Table l, page 26, gives a survey of the pelagic whaling results of the individual participating countries as from 1956-57 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 1946-47 are given in table m, page 27. There were no whaling operations from South Georgia during the season 1962-63. Otherwise, whaling has been carried on from South Georgia ever since the Antarctic whaling commenced in 1904-05.

In 1965-66 one shore station was operating from South Georgia for a short period, while during each of the seasons 1963-64 and 1964-65 2 shore stations were in activity, but one of them, however, was operating only for a short period in each season.

Table k.—Antarctic, pelagic whaling. Catch of immature and mature whales 1956/57—1965/66.

	1956—57.		1957—58.		1958—59.		1959—60.		1960—61.		1961—62.		1962—63.		1963—64.		1964—65.		1965—66.	
	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.....	268	33.7	316	36.9	175	33.0	267	46.5	618	71.3	310	61.0	356	76.6	1)	1)	1)	1)	—	—
females ...	312	44.0	332	40.2	219	33.3	351	56.7	629	72.1	347	57.1	403	84.1	1)	1)	1)	1)	—	—
animals ...	580	38.5	648	38.5	394	33.2	618	50.3	1,247	71.7	657	58.9	759	80.4					—	—
Mature																				
males.....	528	66.3	541	63.1	355	67.0	307	53.5	249	28.7	198	39.0	109	23.4	1)	1)	1)	1)	—	—
females ...	397	56.0	494	59.8	438	66.7	303	43.3	243	27.9	261	42.9	76	15.9	1)	1)	1)	1)	1	100.0
animals ...	925	61.5	1,035	61.5	793	66.8	610	49.7	492	28.3	459	41.1	185	19.6					1	100.0
Fin-whales.																				
Immature																				
males.....	3,089	23.9	3,629	30.0	3,654	28.9	3,445	27.0	3,575	27.4	4,083	34.3	3,113	37.5	2,096	32.8	1,433	42.8	418	39.8
females ...	3,281	26.1	4,052	31.3	4,041	31.0	3,816	28.2	3,996	28.1	4,335	30.0	3,410	33.0	2,072	27.8	1,478	37.3	451	35.7
animals ...	6,370	25.0	7,681	30.6	7,695	30.0	7,261	27.6	7,571	27.7	8,418	31.9	6,523	35.0	4,168	30.1	2,911	39.8	869	37.6
Mature																				
males.....	9,835	76.1	8,484	70.0	8,976	71.1	9,290	73.0	9,494	72.6	7,816	65.7	5,187	62.5	4,303	67.2	1,915	57.2	632	60.2
females ...	9,297	73.9	8,902	68.7	9,016	69.0	9,720	71.8	10,234	71.9	10,130	70.0	6,926	67.0	5,382	72.2	2,480	62.7	813	64.3
animals ...	19,132	75.0	17,386	69.4	17,992	70.0	19,010	72.4	19,728	72.3	17,946	68.1	12,113	65.0	9,685	69.9	4,395	60.2	1,445	62.4
Humpbacks.																				
Immature																				
males.....	85	26.1	58	30.9	658	57.2	271	47.7	140	37.8	40	35.7	57	52.8	—	—	—	—	—	—
females ...	102	29.4	63	30.3	607	48.8	287	37.6	109	32.2	64	32.5	44	27.2	—	—	—	—	—	—
animals ...	187	27.8	121	30.6	1,265	52.9	558	41.9	249	35.1	104	33.7	101	37.4	—	—	—	—	—	—
Mature																				
males.....	241	73.9	130	69.1	492	42.8	297	52.3	230	62.2	72	64.3	51	47.2	—	—	—	—	1	100.0
females ...	245	70.6	145	69.7	636	51.2	477	62.4	230	67.8	133	67.5	118	72.8	2	100.0	—	—	—	—
animals ...	486	72.2	275	69.4	1,128	47.1	774	58.1	460	64.9	205	66.3	169	62.6	2	100.0	—	—	1	100.0

1) Data not available.

Table I.—Antarctic, pelagic whaling results for the various countries 1956/57—1965/66.

Seasons	All countries			Norway			United Kingdom			South Africa		
	Number of whales killed	Oil production	Catchers employed	Number of whales killed	Oil production	Catchers employed	Number of whales killed	Oil production	Catchers employed	Number of whales killed	Oil production	Catchers employed
1956-57.....	32,941	Barrels ¹ 2,098,854	225	14,008	Barrels 955,599	94	5,281	Barrels 333,967	35	1,596	Barrels 86,586	10
1957-58.....	35,997	2,146,206	237	13,289	853,810	94	5,534	323,472	37	-	-	-
1958-59.....	36,261	2,050,241	235	13,292	796,986	93	4,600	259,723	37	-	-	-
1959-60.....	36,355	2,050,892	220	10,656	655,033	70	4,431	257,368	31	-	-	-
1960-61.....	38,810	2,123,157	252	12,490	743,298	81	3,496	196,472	22	-	-	-
1961-62.....	37,358	2,001,961	261	9,304	568,768	71	3,130	162,552	22	-	-	-
1962-63.....	30,159	1,495,779	201	4,582	224,199	32	1,552	79,222	9	-	-	-
1963-64.....	28,921	1,299,476	190	5,631	247,432	33	-	-	-	-	-	-
1964-65.....	31,413	1,017,611	172	7,470	226,357	36	-	-	-	-	-	-
1965-66.....	24,441	634,299	128	4,751	126,696	21	-	-	-	-	-	-
Seasons	Japan			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			
1956-57.....	8,093	Barrels 492,507	54	1,409	Barrels 92,489	14	2,554	Barrels 137,706	18			
1957-58.....	11,763	627,849	68	1,867	116,497	14	3,544	224,578	24			
1958-59.....	12,558	646,130	69	2,226	126,488	12	3,585	220,914	24			
1959-60.....	12,359	617,141	69	2,081	143,050	13	6,828	378,300	37			
1960-61.....	13,592	667,350	83	2,212	139,774	14	7,020	376,263	52			
1961-62.....	14,351	735,895	86	1,628	90,305	15	8,945	444,441	67			
1962-63.....	13,617	716,838	79	1,301	79,515	11	9,107	396,005	70			
1963-64.....	12,398	625,394	78	1,182	63,382	11	9,710	363,268	68			
1964-65.....	15,465	504,023	71	-	-	-	8,478	287,231	65			
1965-66.....	12,484	246,644	52	-	-	-	7,206	260,959	55			

¹) Barrel = 170 kg. (Barrel = abt. 1/8 long ton. 1 long ton = 1,016 kg.)

Table m.—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.	Float-ing factories.	Catch-ers.			
								Barrels.						
1946-47	327	1,670	28	391	133	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)	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)	16	138
1961-62	—	661	—	447	86	—	—	1,194	49,815	1	—	—	8	149
1962-63	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1963-64	—	552	—	409	60	—	—	1,021	41,282	2	—	3)	16	—
1964-65	—	503	—	506	141	—	—	1,150	45,805	2	—	3)	21	—
1965-66	—	218	—	4	17	—	—	239	9,964	1	—	4)	10	—

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." 3) Some of these catchers were transferred to the pelagic expeditions after about 2 months' catch. 4) These catchers were transferred to the pelagic expeditions after about 2 months' catch.

The catch result in 1965-66 was 218 fin-whales, 4 sei-whales and 17 sperm-whales, yielding 9,229 barrels whale-oil and 735 barrels sperm-oil.

Tables n and o, pages 28 and 29, give the catch off South Georgia by months in absolute and percentage figures from and including 1956-57. Table p, page 30, shows the proportion of mature and immature whales killed.

Oil production by participating countries.

In table q, page 31, the total whaling results in the Antarctic during the seasons 1956/57-1965/66 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:

Countries	Oil production during the last 5 seasons				
	1961/62 Per cent	1962/63 Per cent	1963/64 Per cent	1964/65 Per cent	1965/66 Per cent
Japan	35.9	47.9	49.7	51.7	39.8
Netherlands	4.4	5.3	4.7	—	—
Norway	27.7	15.0	18.5	21.3	19.7
United Kingdom	10.4	5.3	—	—	—
U.S.S.R.	21.6	26.5	27.1	27.0	40.5
Total	100.0	100.0	100.0	100.0	100.0

Oil production per blue-whale unit, see page 33.

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

Species of whales. Seasons.	Oct.	Nov.	Dec.	Jan.	Feb.	March.	April.	Total.	The Whaling Statistics' total figures.	
<i>Total animals.</i>	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
	1962-63.....	-	-	-	-	-	-	-	-	-
	1963-64.....	179	372	51	223	145	40	-	1,010	1,021
1964-65.....	251	231	124	209	176	127	-	1,118	1,150	
1965-66.....	111	107	21	-	-	-	-	239	239	
<i>Blue-whales.</i>	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— 1965-66	-	-	-	-	-	-	-	-	-
<i>Fin-whales.</i>	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
	1962-63.....	-	-	-	-	-	-	-	-	-
	1963-64.....	164	339	29	6	3	-	-	541	552
1964-65.....	232	180	63	10	3	2	-	490	503	
1965-66.....	101	97	20	-	-	-	-	218	218	
<i>Sei-whales.</i>	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
	1962-63.....	-	-	-	-	-	-	-	-	-
	1963-64.....	-	1	17	215	138	38	-	409	409
1964-65.....	3	14	34	188	132	121	-	492	506	
1965-66.....	2	1	1	-	-	-	-	4	4	
<i>Sperm-whales.</i>	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
	1962-63.....	-	-	-	-	-	-	-	-	-
	1963-64.....	15	32	5	2	4	2	-	60	60
1964-65.....	16	37	27	11	41	4	-	136	141	
1965-66.....	8	9	-	-	-	-	-	17	17	

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

Species of whales. Seasons.	Oct.	Nov.	Dec.	Jan.	Feb.	March.	April.	Total.	The Whaling Statistics' total figures.
<i>Total animals</i> }	1956-57	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

<i>Blue-whales</i> }	1956-57	0.6	0.2	0.2	0.2	0.2	-	0.2	0.1
	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	-	-	-	-	-	-	-	-
	1965-66	-	-	-	-	-	-	-	-
<i>Fin-whales</i> }	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
	1962-63	-	-	-	-	-	-	-	-
	1963-64	91.6	91.1	56.9	2.7	2.0	-	-	53.6
	1964-65	92.4	77.9	50.8	4.7	1.7	1.5	-	43.8
1965-66	91.0	90.7	95.2	-	-	-	-	91.2	
<i>Sei-whales</i> }	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
	1962-63	-	-	-	-	-	-	-	-
	1963-64	-	0.3	33.3	96.4	95.2	95.0	-	40.5
	1964-65	-	6.1	27.4	90.0	75.0	95.3	-	44.0
1965-66	1.8	0.9	4.8	-	-	-	-	1.7	
<i>Sperm-whales</i> }	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
	1962-63	-	-	-	-	-	-	-	-
	1963-64	8.4	8.6	9.8	0.9	2.8	5.0	-	5.9
	1964-65	7.6	16.0	21.8	5.3	23.3	3.2	-	12.2
1965-66	7.2	8.4	-	-	-	-	-	7.1	

Table p.—South Georgia. Catch of immature and mature whales 1956/57—1965/66.

	1956—57.		1957—58.		1958—59.		1959—60.		1960—61.		1961—62.		1962—63.		1963—64.		1964—65.		1965—66. ¹⁾	
	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	5	100.0	4	100.0	1	100.0	3	100.0	1	100.0	-	-	-	-	-	-	-	-	-	-
Immature females	1	50.0	1	50.0	-	-	4	66.7	2	66.7	-	-	-	-	-	-	-	-	-	-
Immature animals	6	85.7	5	83.3	1	100.0	7	77.8	3	75.0	-	-	-	-	-	-	-	-	-	-
Mature males	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mature females	1	50.0	1	50.0	-	-	2	33.3	1	33.3	-	-	-	-	-	-	-	-	-	-
Mature animals	1	14.3	1	16.7	-	-	2	22.2	1	25.0	-	-	-	-	-	-	-	-	-	-
Fin-whales.																				
Immature males	489	51.7	366	38.4	228	39.9	159	35.7	322	48.5	179	59.5	-	-	72	33.3	75	40.8		
Immature females	537	50.3	402	31.9	222	31.5	226	32.4	347	50.0	207	58.3	-	-	91	28.0	83	27.1		
Immature animals	1,026	51.0	768	34.7	450	35.3	385	33.7	669	49.3	386	58.8	-	-	163	30.1	158	32.2		
Mature males	457	48.3	588	61.6	344	60.1	286	64.3	342	51.5	192	40.5	-	-	144	66.7	109	59.2		
Mature females	530	49.7	859	68.1	482	68.5	472	67.6	347	50.0	148	41.7	-	-	234	72.0	223	72.9		
Mature animals	987	49.0	1,447	65.3	826	64.7	758	66.3	689	50.7	270	41.2	-	-	378	69.9	332	67.8		

¹⁾ No specification received.

Table q.—Antarctic whaling results for the various countries 1956/57—1965/66.

Years	All countries.		Norway		United Kingdom		South Africa.	
	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.
1956-57....	36,069	2,246,922	15,043	1,004,373	6,266	381,931	1,596	86,586
1957-58....	39,403	2,317,638	13,289	853,810	7,080	400,705	—	—
1958-59....	38,787	2,152,659	14,071	826,037	5,424	293,660	—	—
1959-60....	38,688	2,148,438	11,324	681,330	5,164	288,117	—	—
1960-61....	41 127	2,232,884	12,490	743,298	²⁾ 5,813	²⁾ 306,199	—	—
1961-62....	38,552	2,051,776	9,304	568,768	²⁾ 4,324	²⁾ 212,367	—	—
1962-63....	30,159	1,495,779	4,582	224,199	1,552	79,222	—	—
1963-64....	29,942	1,340,758	5,631	247,432	—	—	—	—
1964-65....	32,563	1,063,416	7,470	226,357	—	—	—	—
1965-66....	24,680	644,263	4,751	126,696	—	—	—	—
<i>In per cent</i>	%	%	%	%	%	%	%	%
1956-57....	100.0	100.0	41.7	44.7	17.4	17.0	4.4	3.9
1957-58....	100.0	100.0	33.7	36.8	18.0	17.3	—	—
1958-59....	100.0	100.0	36.3	38.4	14.0	13.6	—	—
1959-60....	100.0	100.0	29.3	31.7	13.4	13.4	—	—
1960-61....	100.0	100.0	30.4	33.3	²⁾ 14.1	²⁾ 13.7	—	—
1961-62....	100.0	100.0	24.2	27.7	²⁾ 11.2	²⁾ 10.4	—	—
1962-63....	100.0	100.0	15.3	15.0	5.2	5.3	—	—
1963-64....	100.0	100.0	18.7	18.5	—	—	—	—
1964-65....	100.0	100.0	23.0	21.3	—	—	—	—
1965-66....	100.0	100.0	19.2	19.7	—	—	—	—

Years	Japan.		Argentina.		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.
		Barrels.		Barrels.		Barrels.		Barrels.
1956-57....	8,093	492,507	1,108	51,330	1,409	92,489	2,554	137,706
1957-58....	11,763	627,849	1,860	94,199	1,867	116,497	3,544	224,578
1958-59....	12,558	646,130	923	39,430	2,226	126,488	3,585	220,914
1959-60....	12,359	617,141	932	40,500	2,081	143,050	6,828	378,300
1960-61....	13,592	667,350	—	—	2,212	139,774	7,020	376,263
1961-62....	14,351	735,895	—	—	1,628	90,305	8,945	444,441
1962-63....	13,617	716,838	—	—	1,301	79,515	9,107	396,005
1963-64....	13,419	666,676	—	—	1,182	63,382	9,710	363,268
1964-65....	16,615	549,828	—	—	—	—	8,478	287,231
1965-66....	12,723	256,608	—	—	—	—	7,206	260,959
<i>In per cent</i>	%	%	%	%	%	%	%	%
1956-57....	22.4	21.9	3.1	2.3	3.9	4.1	7.1	6.1
1957-58....	29.9	27.1	4.7	4.1	4.7	5.0	9.0	9.7
1958-59....	32.4	30.0	2.4	1.8	5.7	5.9	9.2	10.3
1959-60....	31.9	28.7	2.4	1.9	5.4	6.7	17.7	17.6
1960-61....	33.0	29.9	—	—	5.4	6.3	17.1	16.8
1961-62....	37.2	35.9	—	—	4.2	4.4	23.2	21.6
1962-63....	44.8	47.9	—	—	4.3	5.3	30.3	26.5
1963-64....	45.0	49.7	—	—	4.0	4.7	32.4	27.1
1964-65....	51.0	51.7	—	—	—	—	26.0	27.0
1965-66....	51.6	39.8	—	—	—	—	29.2	40.5

¹⁾ Barrel = 170 kg. (Barrel = abt. $\frac{1}{4}$ long ton. 1 long ton = 1,016 kg.) ²⁾ 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 r.—Production of by-products in the Antarctic whaling in the seasons 1947/48—1965/66.

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
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
1957-58 Total	44,914	595	238	113	85,595	9,633	12,100
1958-59 Total	41,284	645	187	138	78,658	2,153	21,280
1959-60 Total	53,024	1,316	131	—	95,997	1,038	22,651
1960-61 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 . .	²⁾ 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
<i>1962-63.</i>							
Norway	2,815	—	—	—	21,643	—	52
United Kingdom . .	4,942	—	—	—	—	—	406
Netherlands	1,275	334	—	—	7,793	—	60
U.S.S.R.	19,139	1,160	—	—	13,229	—	—
Japan	7,332	196	87	—	121,023	—	28,174
Total	35,503	1,690	87	—	163,688	—	28,692
<i>1963-64.</i>							
Norway	4,260	—	—	—	21,125	—	968
Netherlands	977	317	—	—	6,922	—	48
U.S.S.R.	18,142	2,178	—	—	14,742	—	—
Japan	8,276	197	97	—	130,947	—	26,657
Total	31,655	2,692	97	—	173,736	—	27,673
<i>1964-65.</i>							
Norway	5,374	148	—	—	7,142	—	2,452
Japan	10,090	522	12	—	147,721	—	24,211
U.S.S.R.	18,214	2,542	³⁾ —	—	16,799	—	2
Total	33,678	3,212	12	—	171,662	—	26,665
<i>1965-66.</i>							
Norway	2,559	315	—	—	13,547	—	1,242
Japan	3,561	406	—	—	107,130	—	17,102
U.S.S.R.	12,638	1,603	⁴⁾ —	—	15,822	—	108
Total	18,758	2,324	—	—	136,499	—	18,452

¹⁾ Products such as: Teeth, baleen, ambergris, pancreas, processed bone, bone fertilizer, protein, hypophyses, internal organs, blubber for leather, gelatin material, tail flukes, whale meat-extract etc. ²⁾ Incl. 7,168 long tons whale meal produced by a British company registered at Falkland Islands. ³⁾ In addition 9,220,000 Mill. units of Vitamin A (Liver oil) were produced. ⁴⁾ In addition 8,650,000 Mill. units of Vitamin A (Liver oil) were produced.

Oil production per blue-whale unit.

The average output of oil per blue-whale unit from and including the season 1956-57 has been recorded in table s, below. For the pelagic expeditions the average output was 109.7 barrels in 1965-66 against 121 and 122 barrels during the two preceding seasons.

Table s.—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
1956-57.....	122.9	128.7	1961-62.....	112.9	118.1
1957-58.....	126.9	124.9	1962-63.....	-	114.6
1958-59.....	114.0	118.2	1963-64.....	112.1	122.0
1959-60.....	123.0	120.5	1964-65.....	117.9	121.0
1960-61.....	127.2	116.9	1965-66.....	84.1	109.7

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

In the survey below is given the average output of oil per blue-whale unit in the individual areas from 1956-57:

Seasons	Average oil output per blue-whale unit during the last 10 seasons						
	Area II Barrels	Area III Barrels	Area IV Barrels	Area V Barrels	Area VI Barrels	Area I Barrels	Total Barrels
1956-57 ..	133.0	139.3	146.5	88.2	118.3	122.9	128.7
1957-58 ..	133.6	125.6	125.6	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
1962-63 ..	131.0	106.1	105.9	122.8	103.2	114.4	114.6
1963-64 ..	130.3	112.8	101.4	109.9	-	-	122.0
1964-65 ..	123.7	110.5	103.9	114.7	-	134.3	119.7
1965-66 ..	105.5	108.7	116.7	119.2	139.9	109.7	109.6

The highest yield in the season 1965-66 was in Area VI with 139.9 barrels. Next came Area V with 119.2 barrels.

Table t, page 34, is recording the average weekly production of whale-oil per blue-whale unit for the pelagic expeditions during the last two seasons.

By-products.

In table r, page 32, detailed information is given on the production of by-products in the Antarctic during the seasons 1947/48-1965/66. From and including the season 1961-62 the figures are distributed in respect to the individual countries.

In the last season the production of whale meat (incl. blubber for food) amounted to 136,499 tons as compared with 171,662 tons in 1964-65. Of whale meal there was produced 18,758 tons in 1965-66 against 33,678 tons in the preceding season.

Table t.—Average weekly production of whale-oil per blue-whale unit in the pelagic whaling 1964-65 and 1965-66.

Season 1964-65.				Season 1965-66.			
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.
19/12 1964	54,341	556.6	97.6	18/12 1965	22,520	240.1	93.3
26/12 "	48,754	495.8	98.3	25/12 "	22,279	200.3	111.2
2/1 1965	50,885	446.4	114.0	1/1 1966	30,608	293.7	104.2
9/1 "	59,796	561.2	106.6	8/1 "	27,682	272.7	101.5
16/1 "	65,273	549.1	118.9	15/1 "	35,528	339.2	104.7
23/1 "	58,026	482.8	120.2	22/1 "	26,803	249.8	107.3
30/1 "	70,612	588.2	120.0	29/1 "	30,160	293.0	102.9
6/2 "	68,827	536.6	128.3	5/2 "	26,812	256.3	104.6
13/2 "	72,352	560.0	129.2	12/2 "	28,509	275.4	103.5
20/2 "	48,094	390.2	123.3	19/2 "	39,447	388.5	101.5
27/2 "	69,350	539.4	128.6	26/2 "	22,192	204.1	108.7
6/3 "	53,804	396.4	135.7	5/3 "	28,340	253.6	111.8
13/3 "	47,571	364.2	130.6	12/3 "	38,178	312.9	122.0
20/3 "	41,910	309.3	135.5	19/3 "	27,059	205.5	131.7
27/3 "	19,522	155.5	125.5	26/3 "	22,329	156.4	142.8
7/4 "	14,701	120.4	122.1	2/4 "	12,414	93.1	133.3
				7/4 "	6,304	50.2	125.6
Total	843,818	7,052.1	119.7	Total	447,164	4,084.8	109.5

TABLES

Antarctic season 1965/66.

Table No. 1.—Whaling in the Antarctic in the season 1965/66.

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	—	218	—	4	17	239	Barrels ¹⁾ 9,964	1	—	²⁾ 10
Antarctic, pelagic whaling	1	2,318	1	17,583	4,538	³⁾ 24,441	634,299	—	10	128
Total	1	2,536	1	17,587	4,555	³⁾ 24,680	644,263	1	10	128

¹⁾ Barrel = 170 kg. (Barrel = abt. $\frac{1}{6}$ long ton, 1 long ton = 1,016 kg.) ²⁾ From the beginning of the pelagic baleen whale season the catchers were transferred to the floating factories. ³⁾ In addition 10 Minke-whales, 1 bottlenose and 9 Killer-whales were taken.

Table No. 2.—Whaling results for the various countries in the Antarctic in the season 1965/66.

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⁾			
South Georgia . .	—	218	—	4	17	239	9,964	1	—	²⁾ 10
Antarctic, pelagic	—	910	—	11,310	264	12,484	246,644	—	5	52
U.S.S.R.:—										
Antarctic, pelagic	—	973	—	2,611	3,622	³⁾ 7,206	260,959	—	3	55
Norway:—										
Antarctic, pelagic	1	435	1	3,662	652	⁴⁾ 4,751	126,696	—	2	21
Total	1	2,536	1	17,587	4,555	24,680	644,263	1	10	128

¹⁾ Barrel = 170 kg. (Barrel = abt. $\frac{1}{6}$ long ton, 1 long ton = 1,016 kg.) ²⁾ From the beginning of the pelagic baleen whale season the catchers were transferred to the floating factories. ³⁾ In addition 8 Minke-whales and 7 Killer-whales were taken. ⁴⁾ In addition 2 Minke-whales, 1 bottlenose and 2 Killer-whales were taken.

**Table No. 3.—Average size of whales caught in the Antarctic
in the season 1965/66.**

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>			86.00	86.00
Females 1.				
<u>Fin-whales.</u>				
<i>South Georgia.</i> ¹⁾				
<i>Antarctic, pelagic whaling</i>	No. 1	66.00	69.25	68.60
Males 1,050} Total 2,314.	" 2	63.50	68.66	66.85
Females 1,264f	" 3	65.16	68.58	66.83
	" 4	64.14	68.11	66.46
	" 5	65.16	65.85	65.48
	" 6	62.83	66.78	65.15
	" 7	63.40	66.83	65.13
	" 8	63.23	66.15	64.97
	" 9	62.38	65.95	64.56
	" 10	62.73	66.03	64.44
Average		64.00	67.21	65.75
<u>Humpbacks.</u>				
<i>Antarctic, pelagic whaling</i>		43.00	—	43.00
Males 1.				
<u>Sei-whales.</u>				
<i>South Georgia.</i> ¹⁾				
<i>Antarctic, pelagic whaling</i>	No. 1	48.94	51.65	50.82
Males 10,172} Total 17,558.	" 2	48.99	51.21	50.04
Females 7,386f	" 3	48.79	49.80	49.20
	" 4	47.83	50.37	49.14
	" 5	47.85	49.01	48.26
	" 6	47.43	48.13	47.70
	" 7	46.95	47.76	47.31
	" 8	46.69	48.09	47.29
	" 9	46.96	47.73	47.26
	" 10	46.74	47.64	47.12
Average		47.46	48.85	48.04
<u>Sperm-whales.</u>				
<i>South Georgia.</i> ¹⁾				

¹⁾ No specification received.

Table No. 3 (continued).

Geographical areas. Number of whales measured.	Company.	Average size.		
		Males.	Females.	Total animals.
		Engl. feet.	Engl. feet.	Engl. feet.
<i>Antarctic, pelagic whaling</i>	No. 1	49.15	—	49.15
Males 4,040 } Total 4,532.	” 2	48.64	—	48.64
Females 492 }	” 3	47.61	—	47.61
	” 4	46.08	—	46.08
	” 5	45.01	38.13	44.77
	” 6	43.24	—	43.24
	” 7	44.38	37.81	42.88
	” 8	42.04	—	42.04
Average		46.26	37.81	45.34

Table No. 4.—Whales caught in the Antarctic in the season 1965/66, by species, sex and size.

Pelagic catch.

Blue-whales.

1 female of 86 feet.

Fin-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
51	1	—	1	71	37	60	97
52	2	1	3	72	20	86	106
53	1	4	5	73	11	90	101
54	2	2	4	74	7	65	72
55	5	2	7	75	1	59	60
56	4	2	6	76	—	32	32
57	72	48	120	77	—	22	22
58	55	51	106	78	—	21	21
59	74	65	139	79	—	8	8
60	52	57	109	80	—	5	5
61	74	46	120	81	—	1	1
62	76	61	137	82	—	1	1
63	66	55	121				
64	58	57	115	Sum	1,050	1,264	2,314
65	79	59	138				
66	84	77	161	Average size	{	Males: 64.00 feet	
67	79	49	128			Females: 67.21 ”	
68	84	57	141			Total animals: 65.75 ”	
69	59	56	115	Per cent	{	Males: 45.38	
70	47	65	112			Females: 54.62	

Humpbacks.

1 male of 43 feet.

Table No. 4 (continued).

Sei-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
34	—	1	1	52	443	1,056	1,499
35	4	—	4	53	104	678	782
36	2	—	2	54	22	400	422
37	—	6	6	55	8	226	234
38	12	5	17	56	2	76	78
39	10	7	17	57	1	28	29
40	377	310	687	58	—	10	10
41	390	346	736	59	—	1	1
42	276	271	547	Sum	10,172	7,386	17,558
43	337	287	624	Average size { Males: 47.46 feet Females: 48.85 „ Total animals: 48.04 „ Per cent { Males: 57.93 Females: 42.07			
44	376	258	634				
45	462	251	713				
46	755	294	1,049				
47	1,111	295	1,406				
48	1,537	432	1,969				
49	1,769	565	2,334				
50	1,446	755	2,201				
51	728	828	1,556				

Sperm-whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
30	—	1	1	48	477	—	477
31	—	4	4	49	401	—	401
32	—	3	3	50	348	—	348
33	—	8	8	51	243	—	243
34	—	11	11	52	198	—	198
35	3	18	21	53	77	—	77
36	4	14	18	54	31	—	31
37	—	3	3	55	11	—	11
38	149	306	455	56	5	—	5
39	246	120	366	Sum	4,040	492	4,532
40	124	1	125	Average size { Males: 46.26 feet Females: 37.81 „ Total animals: 45.34 „ Per cent { Males: 89.14 Females: 10.86			
41	139	3	142				
42	116	—	116				
43	205	—	205				
44	238	—	238				
45	272	—	272				
46	338	—	338				
47	415	—	415				

South Georgia.

No specification received.

**Table No. 5.—Whales caught in the Antarctic in the season 1965/66,
by species, sex and groups of size.**

Antarctic, pelagic whaling.

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)	1	100.00
	1	100.00
Immature males	—	—
„ females	—	—
„ animals	—	—
Mature males	—	—
„ females	1	100.00
„ animals	1	100.00

Fin-whales.

	Number of whales.	Per cent.
Group 1. (55 feet and less)	20	0,87
„ 2. (56 feet to and incl. 65 feet)	1,111	48,01
„ 3. (above 65 feet)	1,183	51,12
	2,314	100,00
Immature males	418	39,81
„ females	451	35,68
„ animals	869	37,66
Mature males	632	60,19
„ females	813	64,32
„ animals	1,445	62,34

Table No. 6.—Average production of whale oil per blue-whale unit in the Antarctic in the season 1965/66.

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.	Expedition.	Blue-whale units. ¹⁾	Oil production.	
			Total.	Average per blue-whale unit.
			Barrels ²⁾	Barrels ²⁾
<i>South Georgia</i>	No. 1	109.7	9,229	84.1
<i>Antarctic, pelagic whaling</i>	No. 1	340.0	43,002	126.5
	” 2	328.0	40,518	123.5
	” 3	421.6	51,493	122.1
	” 4	252.3	30,235	119.8
	” 5	403.5	44,824	111.1
	” 6	540.0	57,871	107.2
	” 7	382.0	39,535	103.5
	” 8	372.0	37,753	101.5
	” 9	507.7	51,218	100.9
	” 10	537.7	51,571	95.8
Total		4,084.8	448,020	109.7

¹⁾ This refers to whales worked up. ²⁾ Barrel = 170 kg. (Barrel = abt. 1/6 long ton, 1 long ton = 1,016 kg.)

Table No. 7.—Size of pregnant whale females caught in the Antarctic in the season 1965/66.

Blue-whale females.

Length of mothers.	Number of pregnant animals.	1 foetus measured.
Engl. feet. 86	1	

Fin-whale females.

Length of mothers.	Number of pregnant animals.	Length of mothers.	Number of pregnant animals.	Number of foetuses measured 385 of which twin pairs 2 » » triplets 2 Total number of fin-whale females measured 1,264, of which pregnant animals 379, or 29.98 per cent.
Engl. feet.		Engl. feet.		
61	1	73	44	
62	3	74	29	
63	7	75	36	
64	10	76	14	
65	7	77	13	
66	22	78	13	
67	19	79	4	
68	21	80	4	
69	25	81	1	
70	29	82	1	
71	32			
72	44	Total	379	

Table No. 7 (continued).

Sei-whale females.			
Length of mothers.	Number of pregnant animals.	Length of mothers.	Number of pregnant animals.
Engl. feet.		Engl. feet.	
42	1	51	417
43	2	52	548
44	5	53	384
45	14	54	220
46	41	55	139
47	81	56	54
48	149	57	13
49	241	58	3
50	380	Total	2,692

Number of foetuses measured 2,741
of which twin pairs 49
Total number of sei-whale females measured 7,386, of which pregnant animals 2,692, or 36.45 per cent.

Sperm-whale females.	
Engl. feet.	Number of pregnant animals.
31	1
33	4
34	3
35	3
36	2
38	35
39	14
41	1
Total	63

Number of foetuses measured 63.
Total number of sperm-whale females measured 492, of which pregnant animals 63, or 12.80 per cent.

Table No. 8.—Whale foetuses measured in the Antarctic in the season 1965/66, by species and groups of size, in each month. (Excl. South Georgia.)

Blue-whale foetuses.

One foetus of 15 Engl. feet measured in March.

Fin-whale foetuses.

Groups of size. Engl. feet.	Dec.	Jan.	Febr.	March	April	Total
0'—0' 11"	—	2	—	—	—	2
1'—1' 11"	5	5	2	—	—	12
2'—2' 11"	6	15	4	—	—	25
3'—3' 11"	15	12	4	—	—	31
4'—4' 11"	9	8	11	8	—	36
5'—5' 11"	4	12	4	12	—	32
6'—6' 11"	1	14	9	15	4	43
7'—7' 11"	4	9	7	12	—	32
8'—8' 11"	2	7	8	6	3	26
9'—9' 11"	1	9	3	10	1	24
10'—10' 11"	—	7	4	12	1	24
11'—11' 11"	—	5	4	11	—	20
12'—12' 11"	—	1	6	13	2	22
13'—13' 11"	—	—	6	13	—	19
14'—14' 11"	—	—	1	7	1	9
15'—15' 11"	—	—	—	10	1	11
16'—16' 11"	—	—	1	2	1	4
17'—17' 11"	1	—	—	3	—	4
18'—18' 11"	—	—	—	4	1	5
19'—19' 11"	—	—	—	1	—	1
20'—20' 11"	—	—	—	2	—	2
Total fin-whale foetuses	48	106	74	¹⁾ 142	15	¹⁾ 385
Average size of foetuses	4' 7"	6' 0"	7' 10"	10' 6"	10' 4"	8' 0"

¹⁾ Incl. 1 fin-whale foetus, length not stated.

Table No. 8 (continued).

Sei-whale foetuses.

Groups of size. Engl. feet.	Dec.	Jan.	Febr.	March.	April.	Total.
0'—0' 11"	4	1	—	—	—	5
1'—1' 11"	36	16	1	1	—	54
2'—2' 11"	71	54	6	1	—	132
3'—3' 11"	88	75	15	4	—	182
4'—4' 11"	117	114	31	9	—	271
5'—5' 11"	129	147	53	15	—	344
6'—6' 11"	80	204	114	29	—	427
7'—7' 11"	39	169	136	42	—	386
8'—8' 11"	14	103	134	51	3	305
9'—9' 11"	—	27	113	99	1	240
10'—10' 11"	1	7	59	115	6	188
11'—11' 11"	—	1	17	86	2	106
12'—12' 11"	—	—	3	60	5	68
13'—13' 11"	—	1	1	15	4	21
14'—14' 11"	—	—	1	5	1	7
15'—15' 11"	—	—	—	—	1	1
16'—16' 11"	—	—	—	—	1	1
Total sei-whale foetuses	¹⁾ 580	²⁾ 921	684	532	24	^{1, 2)} 2,741
Average size of foetuses	4' 7"	5' 11"	7' 9"	9' 8"	11' 5"	6' 11"

¹⁾ Incl. 1 sei-whale foetus, length not stated, ²⁾ Incl. 2 sei-whale foetuses, length not stated.

Sperm-whale foetuses.

Groups of size. Engl. feet.	Dec.	March	April	Total
0'—0' 11"	1	2	2	5
1'—1' 11"	4	1	4	9
2'—2' 11"	—	2	10	12
3'—3' 11"	—	—	2	2
4'—4' 11"	—	1	5	6
5'—5' 11"	2	—	1	3
6'—6' 11"	3	—	—	3
7'—7' 11"	1	—	—	1
8'—8' 11"	3	—	—	3
9'—9' 11"	—	—	—	—
10'—10' 11"	2	—	—	2
11'—11' 11"	—	—	1	1
12'—12' 11"	2	—	5	7
13'—13' 11"	—	—	5	5
14'—14' 11"	2	—	2	4
Total sperm-whale foetuses	20	6	37	63
Average size of foetuses	7' 2"	2' 3"	6' 6"	6' 4"

Table No. 9.—Whale foetuses measured in the Antarctic in the season 1965/66, by species and sex, in each month. (Excl. South Georgia.)

Kind of foetuses. Months.	Number of		Sex not stated.	Total foetuses.	Number of males per 100 females.
	males	females.			
Blue-whale foetuses.					
March	—	1	—	1	—
Fin-whale foetuses.					
December	23	25	—	48	92.00
January	49	57	—	106	85.96
February	46	28	—	74	164.29
March	67	74	1	142	90.54
April	5	10	—	15	50.00
Total	190	194	1	385	97.94
Sei-whale foetuses.					
December	283	296	1	580	95.61
January	482	438	1	921	110.05
February	373	309	2	684	120.71
March	259	273	—	532	94.87
April	7	17	—	24	41.18
Total	1,404	1,333	4	2,741	105.33
Sperm-whale foetuses.					
December	10	9	1	20	111.11
March	2	4	—	6	50.00
April	21	16	—	37	131.25
Total	33	29	1	63	113.79

