

INTERNATIONAL
WHALING STATISTICS

LXXI

EDITED BY
THE COMMITTEE FOR WHALING STATISTICS



OSLO 1973

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PREFACE

This publication comprises the world aggregate whaling results for 1972, i.e. the catch of the Antarctic pelagic expeditions in the Southern Hemisphere in the 1971/72 season and the catch of other expeditions and shore stations during the calendar year 1972. For comparison with previous statistics, see Introduction.

Statistical data have not been received from Chile. Further statistical data relating to sex and size of whales killed have not been received from Spain, the Azores and Madeira.

Oslo, December 1973.

Birger Bergersen.

Einar Vangstein.

INTRODUCTION

As will be known, two separate numbers of the International Whaling Statistics are published each year, one of which covers the Antarctic catch (south of 40° S. Lat.). The other one comprises catches on whaling grounds outside Antarctic and also the Antarctic catch for the corresponding Antarctic season. The last mentioned publication therefore includes the total annual catches, referred to as the world catches. The International Whaling Statistics No. LXIX, for example, covers the world catches in 1971, which are the Antarctic catch (south of 40° S. Lat.) in the season 1970/71, and the catches on whaling grounds outside the Antarctic in the calendar year 1971.

In some of the seasons the Antarctic pelagic expeditions have caught a considerable number of sperm whales north of 40° S. Lat., mainly on their voyages to and from the Antarctic, but sometimes also in the Antarctic season. These catches have been specified for the following areas: South Atlantic Ocean (70° W. Long. — 20° E. Long.), Indian Ocean (20° E. Long. — 150° E. Long.), South Pacific Ocean (150° E. Long. — 70° W. Long.). The catches specified for these three areas in tables 1, 2 and 3 in International Whaling Statistics No. LXIX are therefore the catches made by Antarctic expeditions after the Antarctic season 1970/71 (contingently also during this season from the 1st of January 1971), and before the season 1971/72 (contingently also during this season until the 31st of December 1971).

At the annual meeting of the International Whaling Commission in 1972 it was agreed to that "The number of sperm whales taken in the Southern Hemisphere in the 1972/73 pelagic season and the 1973 coastal season shall not exceed 8,000 males and 5,000 females." This means that the catches of the Antarctic expeditions north of 40° S. Lat. shall refer to the Antarctic season, and not to the calendar year.

In the present publication (I.W.S. No. LXXI) corrections have been made accordingly. The catches specified for South Atlantic Ocean, Indian Ocean and South Pacific Ocean in tables 1, 2 and 3 therefore cover the catches made by Antarctic expeditions north of 40° South Lat. before and after the season 1971/72 (contingently also during the season). Under South Atlantic Ocean is in addition entered the catch of a combined catcher/floating factory ship which has not operated in the Antarctic.

Corresponding corrections have also been made for 1969, 1970 and 1971 (see introduction tables a to g and m, v, w). These tables are therefore in disagreement with the corresponding tables in earlier I.W.S. publications.

In the introduction tables some small corrections with regard to catch and production have been made due to information received after I.W.S. No. LXIX was published.

This publication comprises the world aggregate whaling results for 1972, i.e. the catch of the Antarctic pelagic expeditions in the Southern Hemisphere in the 1971/72 season and the catch of other expeditions/shore stations during the calendar year 1972.

Details of the catch of the Antarctic pelagic expeditions in the season 1971/72 will be found in publication No. LXX.

In the introduction to publication No. LXIX some unofficial catch figures for the combined catcher/floating factory ship "Run" were given (see page 7). These figures have now been confirmed and are repeated in table m 2 together with figures for the catch in 1972. "Run" was operated by the former owner, "Run Fishing Co." in January and February 1972 and caught 72 sei whales. Mid 1972 the ship was sold to Sierra Fishing Agency, and resumed operation in November 1972, and 76 sei whales were caught up to 31/12 1972.

The other small factory ship, "Sao Nicolau", mentioned in the same introduction has not been in operation in 1972. According to the owner of the ship only a few whales have been caught since 1970, which have been delivered to "Run". "Sao Nicolau" has mainly been used for freezing and transporting whale products for "Run".

Reports of the catch from Chile in 1968 and 1969 have now been received and are quoted in table u. No reports have been received for the catch in 1972.

Reports have also been received of the Spanish catch in 1971, and of the production of oil and other products from Peru in the same year.

From Ministerio de Pesqueria, Lima, Peru the following information has been received concerning sizes of whales caught in 1972.

Size in meters	Sei	Fin	Sperm	Total
10	12	—	747	759
11	20	—	523	543
12	107	—	177	284
13	143	—	53	196
14	48	—	33	81
15	7	—	16	23
16	—	—	1	1
17	—	4	—	4
18	—	5	—	5
Total	337	9	1,550	1,896

Two shore stations have suspended whaling in 1972, one of which operated in Norway and one in California.

Seven floating factories operated in the Antarctic in the season 1971/72, one of which caught minke whales only. Details of catch and production are given in International Whaling Statistics No. LXX.

In the North Pacific three Japanese and two U.S.S.R. expeditions operated in 1972. The set quota and the actual catch for the North Pacific for 1972 (excluding the catch in the East China Sea) were as follows:

	Fin whales	Sei/Bryde's whales	Sperm whales
Quota	1,046	3,768	10,841
The actual catch	724	2,528	6,323

The total quota was divided into national quotas.

The national quotas and the actual catch were:

	Japan		U.S.S.R.		U.S.A.	
	Quota	Catch	Quota	Catch	Quota	Catch
Fin whales	454	474	560	250	32	—
Sei whales	2,506	2,386	1,222	142	40	—
Sperm whales	4,608	4,587	6,173	1,736	60	—

The catch of fin whales respective to sei/Bryde's whales could be exceeded by not more than 10 % provided that an appropriate reduction was made in the catch of the other species. The Japanese catch of fin whales is thus 20 animals above the national quota, whilst the catch of sei/Bryde's whales is 120 below the quota. In addition the Japanese whaling companies caught 34 fin whales in the East China Sea.

At the 24th meeting of the International Whaling Commission it was agreed to request Denmark, U.S.A. and U.S.S.R. to obtain information on the aboriginal kill of bowhead, gray and other whales and report this to the Bureau of International Whaling Statistics.

In International Whaling Statistics No. LXIX, page 8 last paragraph, and page 9 first paragraph, some preliminary information from U.S. Department of State was quoted. More detailed information is given in a letter from Mr. Robert F. Hutton, Associate Director for Resource Management of U.S. Department of Commerce. This letter is quoted on page 27. No further information as to the catch in 1972 is available.

The U.S.S.R. aboriginal catch of gray whales in the Arctic zone of the Bering and Chukotsk Seas was 182 in 1972. The catch results for 1969,

1970 and 1971 were given in International Whaling Statistics No. LXIX, page 9 first paragraph.

According to information from the Ministry of Fishery of Denmark, the annual catch reports from Greenland and Faroe Islands sent to the Bureau of International Whaling Statistics comprise all catches of great whales as well as small whales.

The Marine Research Institute of Iceland has reported that 35 minke whales were caught in 1972, and that catch statistics for small whales are now being prepared. The Institute hope to be able to send the Bureau of International Whaling Statistics all necessary information in the future.

Tables Z²—Z¹¹ show catch of small whales from 1969. Table Z⁹ in publication No. LXIX showed "Catch of others or unspecified small whales". This table has been broken down to catch of "Narwhal" Z⁹, "Common Porpoises" Z¹⁰ and "Others or unspecified" Z¹¹. See also Z².

Annex.
Supplementary Tables to the Introduction.

Table a.—Whaling matériel in operation.

Years. ¹⁾	All whaling grounds.			Antarctic.			Others.		
	Shore stations.	Floating factories.	Catchers.	Shore stations.	Floating factories.	Catchers.	Shore stations.	Floating factories.	Catchers.
1968—69	22	12	195	—	6	84	22	6	111
1969—70	21	11	191	—	6	85	21	5	106
1970—71	20	11	176	—	6	86	20	5	90
1971—72	19	12	169	—	7 ²⁾	88 ²⁾	19	5	81

¹⁾ 1968/69 = Antarctic season 1968/69 and outside the Antarctic in the calendar year 1969 a.s.o. ²⁾ Of which 1 floating factory with 4 catchers caught minke whales only.

Table b.—Whales killed, by species.¹⁾

Years.	Blue.	Fin.	Hump-back.	Sei/Bryde's.	Sperm.	Others.	Total of whales.
1968—69	—	5,320	9	12,483	23,929	350	42,091
1969—70	1	5,212	15	11,561	25,521	146	42,456
1970—71	9	4,547	24	11,372	22,642	152	38,746
1971—72	—	4,191	6	8,804	18,558	221	31,780

¹⁾ Exclusive small whales — See tables Z² — Z¹¹.

Table c.—Whales killed in the various main areas.¹⁾

Years.	All areas.	Antarctic.	Africa.	North Atlantic and Arctic. ²⁾	California.	Japan.	North Pacific Ocean and Bering Sea (pelagic).	
							Japan.	U.S.S.R.
1968—69	42,091	11,478	2,078	1,249	183	4,299	7,167	9,895
1969—70	42,456	11,949	1,880	1,204	73	4 118	6,453	9,845
1970—71	38,746	12,098	2,143	1,368	53	3,842	4,874	6,649
1971—72	31,780	11,508	1,698	1,037		3,442	4,039	2,128
	Chile.	Peru.	Australia.	South Atlantic Ocean.	Indian Ocean.	South Pacific Ocean.	Others.	
1968—69	253	2,305	679	1,101	570	—	834	
1969—70	291	1,935	799	1,617	1,226	156	910	
1970—71	253	1,773	860	1,587	1,571	736	939	
1971—72	³⁾	1,896	953	1,463	1,691	971	954	

¹⁾ Exclusive small whales — See tables Z² — Z¹¹. ²⁾ Excluding Spain, Azores and Madeira. ³⁾ No information

Table d.—Oil production in the various main areas.

Years.	All areas.	Antarctic.	Africa.	North Atlantic and Arctic ¹	California.	Japan.	North Pacific Ocean and Bering Sea (pelagic)	
							Japan.	U.S.S.R.
	Barrels.	Barrels.	Barrels.	Barrels.	Barrels.	Barrels.	Barrels.	Barrels.
1968—69 ...	1,205,332	385,822	50,657	43,329	4,533	87,124	174,900	322,436
1969—70 ...	1,216,851	393,291	45,002	38,252	1,724	74,273	181,159	308,518
1970—71 ...	1 123,614	390,423	46,959	40,250	1,115	73,532	145,571	231,746
1971—72 ...	923,282	387,064	46,194	31,848	—	64,720	112,071	78,600
	Chile.	Peru.	Australia.	South Atlantic Ocean.	Indian Ocean.	South Pacific Ocean.	Others.	
	Barrels.	Barrels.	Barrels.	Barrels.	Barrels.	Barrels.	Barrels.	
1968—69 ...	5,300	46,978	27,045	³)19,824	18,234	—	19,150	
1969—70 ...	6,500	40,245	33,307	30,749	35,357	5,289	23,185	
1970—71 ...	²) 5,500	31,271	34,894	34,279	43,366	21,892	22,816	
1971—72 ...		29,741	34,590	⁴)38,432	48,131	31,384	20,507	

¹) Excluding Spain, Azores and Madeira. ²) Calculated. ³) Excluding oil produced of 446 whales. See table m 2. ⁴) Excluding oil produced of 148 sei whales.

Table e.—Whaling results for the various countries. All areas.
Number of whales killed.¹)

Years.	All countries.	Australia.	Brazil.	Canada.	Chile.	Iceland.	Japan.	Bahamas.	Somali Rep.
1968—69	42,091	679	137	695	253	423	16,782	446	—
1969—70	42,456	799	102	712	291	377	16,251	628	—
1970—71	38,746	860	75	710	253	554	15,794	602	—
1971—72	31,780	953	72	586	²)	446	14,039	—	148
		Denmark	Norway.	Peru.	Portugal.	Spain.	South Africa.	United States of America.	U.S.S.R.
1968—69		3	128	2,305	228	315	2,078	183	17,436
1969—70		1	228	1,935	249	413	1,880	73	18,517
1970—71		5	196	1,773	353	361	2,143	53	15,014
1971—72		5	33	1,896	390	271	1,698	39	11,204

¹) Exclusive small whales. — See tables Z²—Z¹¹. ²) No information.

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

Years.	All countries.	Australia.	Brazil.	Canada.	Chile.	Iceland.	Japan.	Bahamas.
1968—69 ...	1,205,332	27,045	5,046	20,376	5,300	16,518	423,955	³)
1969—70 ...	1,216,851	33,307	5,592	18,978	6,500	14,647	425,391	2,147
1970—71 ...	1 123,614	34,894	5,687	19,130	²)5,500	16,863	420,555	4,088
1971—72 ...	923,282	34,590	5,203	17,298	³)	14,550	358,742	

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Table f cont.

	Norway.	Peru.	Portugal.	Spain.	South Africa.	United States of America.	U.S.S.R.
1968—69	6,435	46,978	5,364	²⁾ 8,740	50,657	4,533	584,385
1969—70	6,835	40,245	6,293	²⁾ 11,300	45,002	1,724	598,890
1970—71	6,248	31,271	8,149	²⁾ 8,980	46,959	1,115	514,175
1971—72	836	29,741	8,084	²⁾ 7,220	46,194	—	400,824

¹⁾ Barrel = 170 kg. (Barrel = abt. 1/6 long ton, 1 long ton = 1,016 kg) ²⁾ Calculated. ³⁾ No information.

Table g.—Sperm-oil production.

Grounds	¹⁾ 1968/69	1969/70	1970/71	1971/72
	Barrels	Barrels	Barrels	Barrels
Antarctic, pelagic	113,764	125,027	116,714	133,377
Arfica:				
Natal	42,200	42,319	42,624	42,923
South Atlantic, pelagic	19,824	29,114	32,526	38,432
Brazil	4,166	932	862	1,047
North Atlantic and Arctic:				
Azores	3,999	5,432	6,984	6,785
Madeira	1,365	861	1,165	1,299
Spain	²⁾ 3,860	²⁾ 5,220	5,460	3,620
Norway	5,820	2,711	3,117	
Iceland	5,378	3,254	5,532	3,887
Newfoundland	342	94	—	76
Nova Scotia	—	1,153	1,853	1,799
Pacific North:				
California	1,034	1,520	918	
Pelagic, Japan	100,882	123,582	89,388	72,365
Pelagic, U.S.S.R.	290,487	288,567	216,832	70,512
Japan, coastal	79,300	67,827	63,148	60,314
Indian Ocean	18,234	35,357	42,941	48,131
South Pacific Ocean	—	5,289	21,892	31,334
Peru	36,663	31,047	24,174	26,629
Chile	4,900	²⁾ 6,000	²⁾ 5,250	³⁾
Australia	27,045	33,307	34,894	34,590
	759,263	808,613	721,324	577,170
Of which produced by:				
Norway	5,820	4,619	5,108	800
South Africa	42,200	42,319	42,624	42,923
Japan	180,182	201,421	192,754	158,885
U.S.S.R.	442,309	470,922	391,411	294,830
Canada	342	1,247	1,853	1,875
Portugal	5,364	6,293	8,149	8,084
Australia	27,045	33,307	34,894	34,590
Spain	²⁾ 3,860	²⁾ 5,220	5,460	3,620
Iceland	5,378	3,254	5,532	3,887
Peru	36,663	31,047	24,174	26,629
Brazil	4,166	932	862	1,047
Chile	4,900	²⁾ 6,000	²⁾ 5,250	³⁾
U.S.A.	1,034	1,520	918	
Bahamas	³⁾	512	2,335	

¹⁾ 1968/69 = Antarctic season 1968/69 and outside the Antarctic in the calendar year 1969 a.s.o. ²⁾ Calculated.

³⁾ No information.

Table h.—Average size of whales killed in the different grounds.

Species of whales and whaling grounds	1972	1971	1970	1969
	Engl.ft.	Engl.ft.	Engl.ft.	Engl.ft.
<u>Fin whales.</u>				
Antarctic:—				
Pelagic whaling	65,7	65,7	66,40	66,63
Africa:—				
Natal	61,5	62,3	60,55	61,28
Brazil	—	—	—	—
North Atlantic and Arctic:—				
Norway	—	60,7	63,09	57,69
Iceland	60,5	60,7	60,86	61,11
Newfoundland	59,5	59,3	59,30	59,33
Nova Scotia	56,8	57,6	56,89	56,73
Pacific North:—				
California	—	56,0	59,20	58,48
Pelagic, Japan	60,7	60,9	62,48	61,33
Pelagic, U.S.S.R.	60,0	60,4	60,89	60,37
Japan, coastal	58,4	59,6	60,10	60,58
<u>Sei whales.</u>				
Antarctic:—				
Pelagic whaling	47,1	47,4	47,90	47,97
Africa:—				
Natal	44,5	42,2	44,75	42,67
Brazil	48,4	46,9	49,85	—
North Atlantic and Arctic:—				
Norway	—	—	—	—
Iceland	43,2	43,8	44,95	44,87
Newfoundland	—	—	—	—
Nova Scotia	43,7	44,5	44,55	44,51
Pacific North:—				
California	—	47,5	44,75	44,30
Pelagic, Japan	44,5	44,7	45,15	44,92
Pelagic, U.S.S.R.	46,0	43,4	44,71	44,50
Japan coastal	42,1	43,9	42,95	44,96
South Atlantic Ocean, pelagic	45,4	—	—	—
<u>Bryde's whales.</u>				
Pacific North:—				
Pelagic, Japan	—	41,4	—	—
Pelagic, U.S.S.R.	41,0	42,6	—	—
Japan coastal	40,2	41,9	—	—
<u>Minke whales.</u>				
Antarctic:—				
Pelagic whaling	28,0	—	—	—
Africa:—				
Natal	26,5	26,4	—	—
Brazil	29,3	27,6	—	—
North Atlantic and Arctic:—				
Newfoundland	21,3	22,5	—	—
<u>Sperm whales.</u>				
Antarctic:—				
Pelagic whaling	44,7	43,4	44,90	45,48
Africa:—				
Natal	37,8	35,8	37,10	36,29

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Table h cont.

Species of whales and whaling grounds	1972	1971	1970	1969
	Engl.ft.	Engl.ft.	Engl.ft.	Engl.ft.
South Atlantic, pelagic	41,1	41,2	41,50	41,55
Brazil	35,7	36,2	37,16	—
North Atlantic and Arctic:—				
Norway	—	—	49,59	49,32
Iceland	49,4	50,4	49,85	49,41
Newfoundland	—	—	—	—
Nova Scotia	45,8	47,4	—	—
Pacific North:—				
California	—	38,4	38,74	38,62
Pelagic, Japan	44,8	45,5	44,65	41,96
Pelagic, U.S.S.R.	43,1	42,1	41,20	42,33
Japan coastal	36,4	37,1	36,82	37,25
South Pacific Ocean, pel	41,5	40,4	40,99	—
Indian Ocean, pel	40,8	40,5	40,59	41,45
Australia	40,9	43,3	43,59	42,74

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

Grounds.	Years.	Species of whales caught.							Oil production.	Expeditions.				
		Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Float-ing factories.	Catch-ers.		
<i>North Atlantic and Arctic. Total</i>	1969	—	800	8	222	219	—	1,249	43,329	6	—	13		
	1970	—	911	15	139	139	—	1,204	38,252	5	—	12		
	1971	—	663	24	476	205	—	1,368	40,250	5	—	10		
	1972	—	599	3	315	120	—	1,037	31,848	4	—	8		
<i>Norway.</i>	1969	—	16	—	1	111	—	128	6,435	2	—	4		
	1970	—	44	—	—	51	—	95	4,327	1	—	2		
	1971	—	37	—	—	62	—	99	4,257	1	—	3		
	1972	—	—	—	—	—	—	—	—	—	—	—		
<i>Iceland.</i>	1969	—	251	—	69	103	—	423	16,518	1	—	4		
	1970	—	272	—	44	61	—	377	14,647	1	—	4		
	1971	—	208	—	240	106	—	554	16,863	1	—	4		
	1972	—	238	—	132	76	—	446	14,550	1	—	4		
<i>Greenland</i>	1969	—	—	3	—	—	—	3	—	—	—	—		
	1970	—	—	—	1	—	—	1	—	—	—	—		
	1971	—	—	4	1	—	—	5	—	—	—	—		
	1972	—	1	3	—	1	—	5	—	—	—	—		
<i>Nova Scotia.</i>	1969	—	157	—	149	—	—	306	7 033	1	—	2		
	1970	—	170	1	93	25	—	289	7,168	1	—	2		
	1971	—	117	4	235	37	—	393	9,951	1	—	1		
	1972	—	95	—	183	41	—	319	8,325	1	—	1		
<i>Newfoundland and Labrador.</i>	1969	—	376	5	3	5	—	389	13,343	2	—	3		
	1970	—	406	14	1	2	—	423	11,810	2	—	3		
	1971	—	301	16	—	—	—	317	9,179	2	—	2		
	1972	—	265	—	—	2	²⁾	267	³⁾ 8,973	2	—	3		
<i>Pelagic.</i>	1970	—	19	—	—	—	—	19	300	—	—	1		

¹⁾ Barrel = 170 kg. (Barrel = abt. $\frac{1}{6}$ long ton). ²⁾ In addition minke whales — See table Z². ³⁾ Incl. oil from minke whales.

Table j.—Azores.

Years	Species of whales caught.							Oil production.	Expeditions. ¹⁾		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
1969	-	-	-	-	145	-	145	3,999	-	-	-
1970	-	-	-	-	205	-	205	5,432	-	-	-
1971	-	-	-	-	286	-	286	6,984	-	-	-
1972	-	-	-	-	327	-	327	6,785	-	-	-

¹⁾ Several small shore stations.

Table k.—Madeira.

Years	Species of whales caught.							Oil production.	Expeditions. ¹⁾		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
1969	-	-	-	-	83	-	83	1,365	-	-	-
1970	-	-	-	-	44	-	44	861	-	-	-
1971	-	-	-	-	67	-	67	1,165	-	-	-
1972	-	-	-	-	63	-	63	1,299	-	-	-

¹⁾ Several small shore stations.

Table l.—Spain.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
								Barrels.			
1969	-	-	-	-	193	¹⁾ 122	315	²⁾ 8,740	3	-	3
1970	-	152	-	-	261	-	413	²⁾ 11,300	3	-	3
1971	-	88	-	-	273	-	361	²⁾ 8,980	3	-	³⁾
1972	-	90	-	-	181	-	271	²⁾ 7,220	3	-	³⁾

¹⁾ Baleen whales. No specification. ²⁾ Calculated. ³⁾ No information.

Table m.—South Atlantic Ocean. (North of 40° South Lat.)

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

Years.	Species of whales caught.							Oil production. Barrels.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1969	-	-	-	-	655	-	655	19,824	-	¹⁾ (2)	¹⁾ -
1970	-	-	-	-	907	-	907	26,846	-	¹⁾ (2)	¹⁾ -
1971	-	-	-	2	886	-	888	28,200	-	¹⁾ (2)	¹⁾ -
1972	-	-	-	8	1,277	-	1,285	37,632	-	¹⁾ (2)	¹⁾ -

¹⁾ The material is included in the Antarctic statistics.

Cont. next p.

Table m cont.

2. Catch by combined floating factory/catcher.

Years.	Species of whales caught.							Oil production. Barrels.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1969	-	-	-	318	128	-	446	1)	-	-	1
1970	-	-	-	455	255	-	710	3,903	-	-	2
1971	-	-	-	378	321	-	699	6,079	-	-	2
1972	-	-	-	148	30	-	178	2) 800	-	-	2

1) No information. 2) No information. Oil produced of 148 sei whales.

Table n.—Africa.

Grounds.	Years.	Species of whales caught.							Oil production. ²⁾	Expeditions.				
		Blue	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.		
<i>Natal.</i>	1969	-	150	-	40	1,885	1)	3	2,078	50,657	1	-	7	
	1970	-	47	-	8	1,824	1)	1	1,880	45,002	1	-	7	
	1971	-	64	-	10	2,068	1)	1	2,143	46,959	1	-	6	
	1972	-	51	-	4	1,640	1)	3	1,698	46,194	1	-	6	

1) Bryde's whales. 2) In addition minke whales — see table Z². 3) Incl. oil from minke whales.

Table o.—Pacific North.

(Exclusive Japan, Bering Sea, and Kuril Islands.)

Grounds.	Years.	Species of whales caught.							Oil production.	Expeditions.				
		Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.		
<i>California.</i>	1969	-	31	-	10	68	1)	74	183	4,533	1	-	3	
	1970	-	5	-	4	64	-	-	73	1,724	1	-	3	
	1971	-	4	-	2	47	-	-	53	1,115	1	-	3	
	1972	-	-	-	-	-	-	-	-	-	-	-	-	
<i>U. S. S. R. Coastal</i>	1969	-	-	-	-	-	1)	154	154	-	-	-	-	
	1970	-	-	-	-	-	1)	146	146	-	-	-	-	
	1971	-	-	-	-	-	1)	150	150	-	-	-	-	
	1972	-	-	-	-	-	1)	182	182	-	-	-	-	
<i>U. S. A.</i>	1972	-	-	-	-	-	2)	39	39	-	-	-	-	

1) Gray whales. 2) 38 right whales and 1 gray whale.

Table p.—Japan.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1969	—	76	—	466	3,668	¹⁾ 89	4,299	Barrels. 87,124	7	—	14
1970	—	77	—	484	3,484	¹⁾ 73	4,118	74,273	7	—	12
1971	—	66	—	276	3,328	¹⁾ 172	3,842	73,532	6	—	12
1972	—	82	—	215	3,020	¹⁾ 125	3,442	64,720	8	—	12

¹⁾ Bryde's whales.

Table q.—North Pacific Ocean and Bering Sea. — Japan.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1969	—	576	—	3,591	3,000	—	7,167	Barrels. 174,900	—	3	27
1970	—	518	—	3,235	2,700	—	6,453	181,159	—	3	27
1971	—	542	—	2,431	1,803	¹⁾ 98	4,874	145,571	—	3	26
1972	—	426	—	2,041	1,567	¹⁾ 5	4,039	112,071	—	3	25

¹⁾ Bryde's whales.

Table r.—North Pacific Ocean and Bering Sea — U.S.S.R.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1969	—	593	—	1,091	8,211	—	9,895	Barrels. 322,436	—	3	31
1970	—	412	—	782	8,585	¹⁾ 66	9,845	308,518	—	2	30
1971	—	190	—	296	5,525	¹⁾ 638	6,649	231,746	—	2	28
1972	—	250	—	71	1,736	¹⁾ 71	2,128	78,600	—	2	19

¹⁾ Bryde's whales.

Table s.—Brazil.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1969	—	—	—	62	75	—	¹⁾ 137	Barrels 5,046	1	—	1
1970	—	—	—	26	76	—	102	5,592	1	—	1
1971	—	—	—	20	55	—	75	5,687	1	—	1
1972	—	1	—	5	66	—	72	5,203	1	—	1

¹⁾ In addition minke whales — see table Z³.

Table t.—Peru.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1969	—	74	—	784	1,447	—	2,305	Barrels. 46,978	1	—	5
1970	—	85	—	414	1,436	—	1,935	40,245	1	—	4
1971	—	37	—	415	1,321	—	1,773	31,271	1	—	¹⁾
1972	—	9	—	337	1,550	—	1,896	29,741	1	—	4

¹⁾ No information.**Table u.—Chile.**

Years.	Species of whales caught.							Oil production. Barrels.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1968	—	25	1	83	319	—	428	¹⁾ 8,350	1	—	5
1969	—	—	1	31	221	²⁾	253	¹⁾ 5,300	1	—	4
1970	1	3	—	17	270	—	291	¹⁾ 6,500	1	—	3
1971	1	3	—	1	246	2	253	¹⁾ 5,500	1	—	³⁾
1972	—	—	—	—	—	—	³⁾	—	—	—	—

¹⁾ Calculated. ²⁾ In addition 1 killer whale. ³⁾ No information.**Table v.—South Pacific Ocean. (North of 40° South Lat.)¹⁾**

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1969	—	—	—	—	—	—	—	Barrels. —	—	—	—
1970	—	—	—	—	156	—	156	5,289	—	²⁾ (1)	²⁾ —
1971	3	—	—	1	732	—	736	21,892	—	²⁾ (2)	²⁾ —
1972	—	—	—	—	971	—	971	31,384	—	²⁾ (2)	²⁾ —

¹⁾ Catch by fl. factories outside the Antarctic grounds. ²⁾ Incl. in the Antarctic statistics.**Table w.—Indian Ocean. (North of 40° South Lat.)¹⁾**

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1969	—	—	—	—	570	—	570	18,234	—	²⁾ (3)	²⁾ —
1970	—	—	—	—	1,226	—	1,226	35,357	—	²⁾ (4)	²⁾ —
1971	5	—	—	2	1,564	—	1,571	43,366	—	²⁾ (5)	²⁾ —
1972	—	—	—	—	1,691	—	1,691	48,131	—	²⁾ (4)	²⁾ —

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

Table x.—Australia.

Years.	Species of whales caught.							Oil production.	Expeditions.		
	Bluc.	Fin.	Hump-back.	Sci.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1969	-	-	-	-	679	-	679	Barrels. 27,045	1	-	3
1970	-	-	-	-	799	-	799	33,307	1	-	3
1971	-	-	-	-	860	-	860	34,894	1	-	3
1972	-	-	-	-	953	-	953	34,590	1	-	4

Table Z¹. — Production of by-products in the Antarctic and on other whaling grounds.

	Whale meal, bone meal	Whale liver	Liveroil	Whale meat, blubber, ventral grooves	Whale solubles	Other products
	L. tons	L. tons	L. tons	L. tons	L. tons	L. tons
1968-69 Total	49,705	1,964	21	159,021	5,934	24,140
1969-70 »	45,183	1,887	10	163,458	8,438	24,117
1970-71 »	38,852	1,778	¹⁾	158,644	9,282	16,308
1971-72 »	41,127	1,829	²⁾	158,405	5,801	2,361
<i>Summary by grounds</i>						
Antarctic 1971-72 ³⁾	13,397	1,791	⁴⁾	104,438	1,574	1,211
<i>Africa:—</i>						
Natal.....	⁵⁾ 6,242	-	-	⁵⁾ 795	-	⁵⁾ 160
Brazil	⁵⁾ 422	2	-	⁵⁾ 1,954	-	-
<i>North Atlantic and Arctic:—</i>						
Azores	75	-	-	49	-	32
Madeira.....	54	-	-	21	-	-
Spain ⁶⁾	-	-	-	-	-	-
Iceland	1,790	-	-	2,014	-	122
Newfoundland	-	-	-	2,504	-	-
Nova Scotia.....	5,425	36	-	1,896	-	11
<i>North Pacific Ocean, pel.</i>						
Japan	332	-	-	29,071	1,575	44
U.S.S.R.	3,017	-	⁷⁾	3,577	-	307
Japan, coastal.....	5,475	-	-	9,685	-	474
Peru	3,285	-	-	2,401	-	-
Chile ⁸⁾	-	-	-	-	-	-
Australia.....	1,613	-	-	-	2,652	-
Total	41,127	1,829	²⁾	158,405	5,801	2,361

¹⁾ 11,049,000 Mill. units of Vitamin A were produced. ²⁾ 4,393,000 Mill. units of Vitamin A were produced.
³⁾ See publication No. LXX, page 11. ⁴⁾ 1,253,000 Mill. units of Vitamin A were produced. ⁵⁾ Inclusive products from minke whales. ⁶⁾ No information. ⁷⁾ 3,140,000 Mill. units of Vitamin A were produced.

Table Z.² — Catch of small whales by species and countries.

Years countries	Species of whales caught								
	Minke- whales	Bottle- noses	Pilot whales	Killer whales	White- whales	Baird's beaked whales	Nar- whal	Common porp.	Others
1969.....	3,690	486	1,552	248	1,126	138	220	1,328	56
1970.....	3,823	536	738	277	1,488	113	417	1,184	315,091
1971.....	4,057	213	1,215	94	843	118	232	1,320	205,106
1972.....	7,159	19	603	50	1,280	86	174	1,047	205,017
1969.									
Brazil.....	617	—	—	—	—	—	—	—	—
Canada.....	50	—	—	—	178	—	—	—	—
Faroe Islands	—	—	1,395	—	—	—	—	—	—
Greenland...	231	—	—	1	948	—	220	1,328	—
Japan.....	272	—	130	16	—	138	—	—	56
Norway.....	2,391	485	27	231	—	—	—	—	—
South Africa	112	—	—	—	—	—	—	—	—
U.S.S.R.....	17	1	—	—	—	—	—	—	—
Total.....	3,690	486	1,552	248	1,126	138	220	1,328	56
1970.									
Brazil.....	701	—	—	—	—	—	—	—	—
Canada.....	86	—	155	—	72	—	—	—	—
Faroe Islands	—	—	388	—	—	—	—	—	60
Greenland ..	197	1	—	1	1,416	—	417	1,184	2
Japan.....	330	—	152	12	—	113	—	—	29
Norway.....	2,308	535	43	257	—	—	—	—	—
South Africa	171	—	—	—	—	—	—	—	—
U.S.A.....	—	—	—	—	—	—	—	—	¹⁾ 315,000
U.S.S.R.....	30	—	—	7	—	—	—	—	—
Total.....	3,823	536	738	277	1,488	113	417	1,184	315,091
1971.									
Brazil.....	900	—	—	—	—	—	—	—	—
Canada.....	73	—	—	2	106	—	—	—	—
Faroe Islands	3	—	1,032	1	—	—	—	—	80
Greenland ..	186	—	—	2	737	—	232	1,320	1
Japan.....	289	—	181	10	—	118	—	—	25
Norway.....	2,362	213	—	70	—	—	—	—	—
South Africa	204	—	—	—	—	—	—	—	—
U.S.A.....	—	—	—	—	—	—	—	—	¹⁾ 205,000
U.S.S.R.....	40	—	2	9	—	—	—	—	—
Total.....	4,057	213	1,215	94	843	118	232	1,320	205,106
1972.									
Brazil.....	702	—	—	—	—	—	—	—	—
Canada.....	97	—	—	—	254	—	54	—	—
Faroe Islands	—	—	511	—	—	—	—	—	—
Greenland...	145	—	1	—	841	—	120	1,047	—
Iceland.....	35	—	—	—	—	—	—	—	—
Japan.....	3,354	—	91	3	—	86	—	—	17
Norway.....	2,650	17	—	28	—	—	—	—	—
South Africa	135	—	—	17	—	—	—	—	—
U.S.A.....	—	—	—	—	185	—	—	—	¹⁾ 205,000
U.S.S.R.....	41	2	—	2	—	—	—	—	—
Total.....	7,159	19	603	50	1,280	86	174	1,047	205,017

¹⁾ Estimated — See page 9 publication No. LXIX.

**Table Z³.—Catch of Minke-whales (*Balaenoptera acutorostrata*)
by months and whaling grounds.**

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Norway:—														
Total	1969	—	—	17	73	583	1,246	106	363	3	—	—	—	2,391
	1970	—	—	3	85	695	916	200	372	36	—	—	1	2,308
	1971	—	—	7	69	559	1,077	246	362	42	—	—	—	2,362
	1972	—	—	—	63	791	1,370	164	239	23	—	—	—	2,650
Of which:														
Coastal districts ...	1969	—	—	17	19	271	457	25	75	—	—	—	—	864
	1970	—	—	3	63	151	361	67	94	4	—	—	—	743
	1971	—	—	4	48	152	224	68	27	10	—	—	—	533
	1972	—	—	—	32	273	79	8	4	1	—	—	—	397
Barents Sea, Spitzbergen and Bear Island	1969	—	—	—	19	215	559	1	18	—	—	—	—	812
	1970	—	—	—	2	471	391	4	16	—	—	—	—	884
	1971	—	—	—	—	305	696	—	—	—	—	—	—	1,001
	1972	—	—	—	7	423	1,146	—	—	—	—	—	—	1,576
Shetland, Iceland, Greenland, Jan Mayen	1969	—	—	—	35	97	230	80	270	3	—	—	—	715
	1970	—	—	—	20	73	164	129	262	32	—	—	—	680
	1971	—	—	3	6	85	157	178	335	32	—	—	—	796
	1972	—	—	—	24	95	145	156	235	22	—	—	—	677
Antarctic ¹⁾	1969/70	—	—	—	—	—	—	—	—	—	—	—	—	1
	1970/71	—	—	—	15	17	—	—	—	—	—	—	—	32
Denmark:—														
Faroe Islands	1969	—	—	—	—	—	—	—	—	—	—	—	—	—
	1970	—	—	—	—	—	—	—	—	—	—	—	—	—
	1971	—	—	—	—	—	3 ²⁾	—	—	—	—	—	—	3
Greenland	1969	2	—	3	16	23	41	38	51	31	24	1	1	231
	1970	1	1	2	8	31	31	40	26	28	22	7	—	197
	1971	—	—	1	17	16	20	26	38	27	31	10	—	186
	1972	—	—	—	6	14	28	30	23	17	10	17	—	145
Iceland	1972	—	—	—	—	—	—	—	—	—	—	—	—	35
Canada:—														
Newfoundland ...	1969	—	—	—	—	3	26	19	1	1	—	—	—	50
	1970	—	—	—	—	26	45	15	—	—	—	—	—	86
	1971	—	—	—	—	31	34	8	—	—	—	—	—	73
	1972	—	—	—	—	36	27	31	2	1	—	—	—	97
Japan:—														
Coastal districts ..	1969	—	—	2	32	66	61	52	13	4	—	—	—	230
	1970	—	—	6	51	146	73	29	8	5	2	—	—	320
	1971	—	—	8	59	46	85	50	23	12	2	—	—	285
	1972	—	—	1	72	56	64	91	35	18	4	—	—	341
Pacific, pelagic ...	1970	—	—	—	—	—	1	1	8	—	—	—	—	10
Antarctic ¹⁾	1968/69	41	—	1	—	—	—	—	—	—	—	—	—	42
	1969/70	—	—	—	—	—	—	—	—	—	—	—	—	—
	1970/71	—	—	4	—	—	—	—	—	—	—	—	—	4
	1971/72	1029	671	13	—	—	—	—	—	—	—	105	1195	3,013
Brazil	1969	—	—	—	—	—	6	49	88	137	150	153	34	617
	1970	—	—	—	—	—	8	99	135	154	148	136	21	701
	1971	—	—	—	—	—	6	77	100	251	313	153	—	900
	1972	—	—	—	—	—	5	22	84	165	187	178	61	702
Africa:—														
Natal	1969	—	—	—	12	19	31	13	21	16	—	—	—	112
	1970	—	—	—	12	25	9	19	28	78	—	—	—	171
	1971	—	—	—	14	31	30	32	55	42	—	—	—	204
	1972	—	—	—	10	9	32	33	11	40	—	—	—	135
U.S.S.R.:—														
Antarctic ¹⁾	1968/69	14	3	—	—	—	—	—	—	—	—	—	—	17
	1969/70	6	8	12	—	—	—	—	—	—	—	4	—	30
	1970/71	18	—	2	—	—	—	—	—	—	—	14	6	40
	1971/72	3	4	—	—	—	—	—	—	—	—	16	18	41

¹⁾ Incl. catch north of 40° South. ²⁾ June—July.

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

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Norway:—														
Total	1969	—	—	—	81	139	226	29	8	2	—	—	—	485
	1970	—	—	—	48	128	358	—	1	—	—	—	—	535
	1971	—	—	—	1	49	161	2	—	—	—	—	—	213
	1972	—	—	—	11	4	2	—	—	—	—	—	—	17
Of which:														
Coastal districts ...	1969	—	—	—	—	4	4	—	—	—	—	—	—	8
	1970	—	—	—	1	—	4	—	1	—	—	—	—	6
Barents Sea, Spitzbergen and Bear Island	1969	—	—	—	65	67	16	—	2	—	—	—	—	150
	1970	—	—	—	43	38	—	—	—	—	—	—	—	81
Shetland, Iceland, Greenland, Jan Mayen	1969	—	—	—	16	68	206	29	6	2	—	—	—	327
	1970	—	—	—	4	90	354	—	—	—	—	—	—	448
	1971	—	—	—	1	49	161	2	—	—	—	—	—	213
	1972	—	—	—	11	4	2	—	—	—	—	—	—	17
Denmark:—														
Greenland.....	1970	—	—	—	—	—	—	—	—	1	—	—	—	1
U.S.S.R.:—														
Antarctic	1968/69	1	—	—	—	—	—	—	—	—	—	—	—	1
	1969/70	—	—	—	—	—	—	—	—	—	—	—	—	—
	1970/71	—	—	—	—	—	—	—	—	—	—	—	—	—
	1971/72	—	2	—	—	—	—	—	—	—	—	—	—	2

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

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Norway:—														
Total	1969	—	—	—	—	2	6	1	18	—	—	—	—	27
	1970	—	—	—	—	—	4	1	38	—	—	—	—	43
Of which:														
Coastal districts ...	1969	—	—	—	—	—	—	—	3	—	—	—	—	3
	1970	—	—	—	—	—	4	—	38	—	—	—	—	42
Shetland, Iceland, Greenland, Jan Mayen	1969	—	—	—	—	2	6	1	15	—	—	—	—	24
	1970	—	—	—	—	—	—	1	—	—	—	—	—	1
Denmark:—														
Faroe Islands	1969	121	—	24	456	—	71	86	172	292	124	—	49	1,395
	1970	—	—	—	198	—	—	—	101	—	—	89	—	388
	1971	—	—	—	—	—	—	¹⁾ 17	433	394	145	—	43	1,032
	1972	—	—	—	—	—	—	29	235	188	59	—	—	511
Greenland.....	1972	—	—	—	—	—	—	—	1	—	—	—	—	1
Canada:—														
Newfoundland ...	1969	—	—	—	—	—	—	—	—	—	—	—	—	—
	1970	—	—	—	—	—	—	155	—	—	—	—	—	155
Japan:—														
Coastal districts ..	1969	6	4	9	8	30	15	7	—	2	—	24	25	130
	1970	14	21	5	14	24	28	16	—	—	18	12	—	152
	1971	10	—	10	20	37	27	7	—	23	24	10	13	181
	1972	16	—	—	—	5	5	—	1	2	18	16	28	91
U.S.S.R.:—														
Antarctic	1970/71	1	—	—	—	—	—	—	—	—	—	—	1	2

¹⁾ June/July.

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

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Norway:—														
Total	1969	—	—	167	5	19	6	—	28	6	—	—	—	231
	1970	5	137	66	12	16	8	3	1	6	3	—	—	257
	1971	9	—	—	9	10	7	9	26	—	—	—	—	70
	1972	—	—	—	18	10	—	—	—	—	—	—	—	28
Of which:														
Coastal districts ...	1969	—	—	167	4	9	3	—	6	—	—	—	—	189
	1970	5	135	66	9	14	2	1	—	—	—	—	—	232
	1971	9	—	—	3	—	6	—	—	—	—	—	—	18
	1972	—	—	—	2	5	—	—	—	—	—	—	—	7
Barents Sea, Spitzbergen and Bear Island ...	1969	—	—	—	1	—	2	—	—	—	—	—	—	3
	1970	—	—	—	—	2	—	—	—	—	—	—	—	2
Shetland, Iceland, Greenland, Jan Mayen	1969	—	—	—	—	10	1	—	22	6	—	—	—	39
	1970	—	—	—	3	—	6	2	1	—	—	—	—	12
	1971	—	—	—	—	2	1	9	26	—	—	—	—	38
	1972	—	—	—	16	5	—	—	—	—	—	—	—	21
Antarctic	1968/69	—	—	—	—	—	—	—	—	—	—	—	—	—
	1969/70	—	2	—	—	—	—	—	—	6	3	—	—	11
	1970/71	—	—	—	6	8	—	—	—	—	—	—	—	14
Denmark:—														
Greenland	1969	—	—	—	—	—	—	—	—	—	1	—	—	1
	1970	—	—	—	—	—	—	—	—	1	—	—	—	1
	1971	—	—	—	—	—	—	—	—	1	1	—	—	2
Faroe Islands	1971	—	—	—	—	—	—	—	—	—	—	—	—	1
Canada:—														
Newfoundland ...	1971	—	—	—	—	—	—	2	—	—	—	—	—	2
Japan:—														
Coastal districts ..	1969	—	2	2	1	—	—	—	—	5	3	—	3	16
	1970	—	2	—	—	—	—	—	—	8	—	2	—	12
	1971	—	—	—	2	—	—	2	—	—	3	3	—	10
	1972	—	—	—	—	—	—	—	2	—	—	1	—	3
Africa:—														
Natal	1972	—	—	—	2	10	—	—	—	5	—	—	—	17
U.S.S.R.:—														
Antarctic ¹⁾	1968/69	—	—	—	—	—	—	—	—	—	—	—	—	—
	1969/70	—	—	5	2	—	—	—	—	—	—	—	—	7
	1970/71	1	—	6	—	—	—	—	—	—	—	2	—	9
	1971/72	2	—	—	—	—	—	—	—	—	—	—	—	2

¹⁾ Incl. catch north of 40° South.

**Table Z¹⁰. — Catch of Common porpoises
by months and whaling grounds.**

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Denmark:—														
Greenland	1969	—	2	14	18	96	313	252	216	327	71	18	1	1328
	1970	—	—	2	9	35	113	350	307	236	100	18	14	1184
	1971	1	—	—	—	25	91	243	254	383	274	48	1	1320
	1972	—	1	1	12	24	77	180	229	294	171	58	—	1047

**Table Z¹¹.—Catch of others or unspecified small whales,
by months and whaling grounds.**

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Denmark:—														
Faroe Islands ..	1969	—	—	—	—	—	—	—	—	—	—	—	—	—
	1970	—	—	—	—	—	—	—	—	60	—	—	—	60
	1971	—	—	—	—	—	—	—	—	80	—	—	—	80
Greenland	1969	—	—	—	—	—	—	—	—	—	—	—	—	—
	1970	—	—	—	—	—	—	—	—	2	—	—	—	2
	1971	—	—	—	—	—	—	—	—	1	—	—	—	1
Japan:—														
Coastal districts	1969	39	—	1	—	1	1	—	3	2	4	4	1	56
	1970	—	2	—	—	6	—	—	5	11	2	3	—	29
	1971	5	—	—	7	4	4	1	—	2	2	—	—	25
	1972	—	—	—	—	1	—	—	2	2	3	9	—	17
U.S.A.....	1970	—	—	—	—	—	—	—	—	—	—	—	—	315000 ¹⁾
	1971	—	—	—	—	—	—	—	—	—	—	—	—	205000 ²⁾
	1972	—	—	—	—	—	—	—	—	—	—	—	—	205000 ²⁾
U.S.S.R.:—														
Antarctic	1969/70	1	—	—	—	—	—	—	—	—	—	—	—	1

¹⁾ 235,000 Spotted dolphin, 71,000 Spinner dolphin and 9,000 Common dolphin. See introduction. ²⁾ 153,000 Spotted dolphin, 46,000 Spinner dolphin and 6,000 Common dolphin. See introduction. to no LXIX. ³⁾ Estimated. See introduction No. LXIX.

Letter dated
December 20th, 1972 from

U.S. Department of Commerce
National Oceanic and Atmospheric Administration
National Marine Fisheries Service
to
Bureau of International Whaling Statistics and
International Whaling Commission

Dear Sir:

This letter is in response to an inquiry by Mr. R. Stacey, Secretary to the International Whaling Commission, regarding the U.S. aboriginal kill of bowhead and small whales. As Mr. Stacey requested, we are sending the available data to you directly.

The enclosed tables were compiled by Dr. George Harry, Director of our Marine Mammal Division. They represent the best information available on the Eskimo take of bowhead whales (tables 1 and 2). These data are from unpublished records of Dale Rice, Dr. Floyd Durham, the late Don Foote, and from Maher and Wilimovsky, Annual Catch of Bowhead Whales by Eskimos at Point Barrow, Alaska, 1928—1960, *Journal of Mammalogy*, Vol. 44, No. 1. Recent catch data have come from Dr. Durham as a result of his decade of research on bowhead whales and Eskimo whaling in Alaska. No effort data or biological information are available at the present time although Dr. Durham has some of this information in the form of unpublished manuscripts.

In addition to bowhead whales, other cetaceans commonly taken by the Eskimos are the beluga and gray whales. No systematic record of the Eskimo take of either of these species is available. Some information on the take of beluga whales is included in reports by Saario and Kessel and Foote and Williamson in *Environment of the Cape Thompson Region, Alaska*, edited by Wilimovsky and Wolfe, United States Atomic Energy Commission, 1966. Dr. Durham has also provided information on the take of belugas at Wainwright in 1967. These data are included in table 3.

Dr. Durham estimates that the recent annual take of beluga whales in the following areas is:

Kotzebue	100	Wainwright	25
Point Hope	50	Barrow	10

John Burns, of the Alaska Department of Fish and Game, estimates that 80 to 270 belugas a year are taken with an average of about 150. John Burns' estimates include the kill at the mouth of the Kuskokwim and

Yukon Rivers, as well as the eastern part of Norton Sound area, which are not included in Dr. Durham's estimates.

Mr. Stacey also asked that we confirm that there was no U.S. catch of gray whales in 1970 and 1971. Almost every year a few gray whales are taken by Eskimos living in Alaska.

In 1970 John Burns reports that four gray whales were taken, one at St. Lawrence Island, one at Wales, and two from unknown locations; in 1971 three were taken, one in Norton Sound, one in Bering Strait, and one from an unknown location; and in 1972 one was taken at St. Lawrence Island. No biological information are available on these whales.

Sincerely,

Robert F. Hutton

Associate Director

for Resource Management

Table 1. — Bowhead whale catch statistics.

Year	Area			Year	Area		
	Pt. Hope	Wainwright	Barrow		Pt. Hope	Wainwright	Barrow
1850—59	—	—	24	1930	—	—	7
1860—69	—	—	—	1931	1	—	11
1870—79	—	—	—	1932	—	—	7
1880—89	—	—	40	1933	—	—	5
1890	1	—	—	1934	—	—	4
1891	—	—	—	1935	—	—	6
1892	0	—	—	1936	4	—	4
1893	—	—	—	1937	—	—	9
1894	—	—	—	1938	—	—	4
1895	—	—	—	1939	—	—	6
1896	—	—	—	1940	5	—	0
1897	—	—	—	1941	8	1	2
1898	1	—	—	1942	—	—	10
1899	—	—	—	1943	—	—	6
1900	—	—	—	1944	—	2	0
1901	1	—	—	1945	3	—	3
1902	2	—	—	1946	2	—	9
1903	0	—	—	1947	6	—	4
1904	0	—	—	1948	—	—	5
1905	—	—	—	1949	4	1	0
1906	—	—	—	1950	—	2	4
1907	0	—	—	1951	4	—	9
1908	13	—	—	1952	2	—	0
1909	12	—	—	1953	4	—	17
1910	—	—	—	1954	3	—	1
1911	—	—	—	1955	1	—	15
1912	—	—	—	1956	2	—	2
1913	1	—	—	1957	3	—	0
1914	2	—	—	1958	2	—	0
1915	3	—	—	1959	1	—	0
1916	7	—	—	1960	4	—	15
1917	3	—	—	1961	2	1	2
1918	7	—	—	1962	6	1	2
1919	2	—	—	1963	3	0	2
1920	3	—	—	1964	1	1	11
1921	2	—	—	1965	2	0	4
1922	13	—	—	1966	4	1	7
1923	—	—	—	1967	1	0	3 ¹⁾
1924	16	—	—	1968	3	2	9
1925	10	—	—	1969	3	3	10
1926	13	—	—	1970	8	0	15
1927	3	—	—	1971	5	2	13
1928	—	—	11	1972	14	2	20 ²⁾
1929	—	—	13				

¹⁾ Does not include spring harvest. ²⁾ Includes a preliminary figure of 5 for the fall harvest.

**Table 2. — Miscellaneous Bowhead
Whale Catch Statistics From Other
U. S. Arctic Areas.**

Year	Village	Number taken
1910—40	Icy Cape	40
1930—40	Pt. Lay	2
1960—69	St. Lawrence	5
1964	Barter Island	2
1969	Wales	1
1972	St. Lawrence	2

**Table 3. — Miscellaneous Beluga Whale
take by Eskimos.**

Year	Area	Number
1953	Kivalina	6
1956	Kivalina	6
1958	Kivalina	16
1959	Kivalina	14
1960	Kivalina	7
1960	Point Hope	19
1960	Noatak	52
1961	Noatak	8
1967	Wainwright	68

TABLES

Table No. 1 — Whaling in the Antarctic season 1971/72 and outside the Antarctic in 1972.

Geographical areas	Species of whales caught							Oil production Barrels	Expeditions		
	Fin	Sei	Bryde's	Hump	Sperm	Others	Total		Shore stations	Float-ing fact.	Catch-ers
Antarctic, pelagic 1971/72 season...	2,683	5,456	—	3	3,366	¹⁾ —	11,508	²⁾ 387,064	—	³⁾ 7	³⁾ 89
Africa:—											
Natal	51	4	3	—	1,640	⁴⁾ —	1,698	²⁾ 46,194	1	—	6
Brazil	1	5	—	—	66	⁵⁾ —	72	²⁾ 5,203	1	—	1
North Atlantic and Arctic:—											
Azores	—	—	—	—	327	—	327	⁶⁾ 6,785	—	—	⁷⁾ —
Madeira	—	—	—	—	63	—	63	⁶⁾ 1,299	—	—	⁷⁾ —
Spain	90	—	—	—	181	—	271	⁶⁾ 7,220	3	—	⁷⁾ —
Iceland	238	132	—	—	76	—	446	14,550	1	—	4
Newfoundland ..	⁸⁾ 265	—	—	—	2	⁹⁾ —	267	²⁾ 8,973	2	—	¹⁰⁾ 3
Nova Scotia.....	95	183	—	—	41	—	319	8,325	1	—	1
Greenland	1	—	—	3	1	—	5	⁷⁾ —	—	—	⁷⁾ —
Pacific North:—											
North Pacific and Bering Sea, pelagic:—											
Japan	426	2,041	5	—	1,567	—	4,039	112,071	—	3	25
U.S.S.R.	250	71	71	—	1,736	—	2,128	78,600	—	2	19
Japan coastal ...	82	215	125	—	3,020	—	3,442	64,720	8	—	12
U.S.S.R. ¹¹⁾	—	—	—	—	—	¹²⁾ 182	182	—	—	—	—
U.S.A. ¹¹⁾	—	—	—	—	—	¹³⁾ 39	39	—	—	—	—
Peru	9	337	—	—	1,550	—	1,896	29,741	1	—	4
Chile ⁷⁾	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	953	—	953	34,590	1	—	4
South Atlantic Ocean, pelagic ¹⁴⁾ .	—	156	—	—	1,307	¹⁵⁾ —	1,463	38,432	—	—	¹⁴⁾ 1
Indian Ocean, pelagic ¹⁶⁾	—	—	—	—	1,691	—	1,691	48,131	—	—	—
South Pacific Ocean, pelagic ¹⁶⁾	—	—	—	—	971	—	971	31,384	—	—	—
Total	4,191	8,600	204	6	18,558	221	31,780	923,282	19	¹⁷⁾ 12	¹⁷⁾ 169

¹⁾ In addition 3,021 minke whales. ²⁾ Inclusive oil produced from minke whales. ³⁾ Of which 1 floating factory with 4 catchers caught minke whales only, and one combined catcher/floating factory. ⁴⁾ In addition 135 minke whales and 17 killer whales. ⁵⁾ In addition 702 minke whales. ⁶⁾ Calculated. ⁷⁾ No information. ⁸⁾ Of which 26 lost at sea. ⁹⁾ In addition 97 minke whales. ¹⁰⁾ Three small vessels were used to catch minke whales. ¹¹⁾ Aboriginal catch. ¹²⁾ Gray whales. ¹³⁾ 38 Right whales and 1 gray whale. ¹⁴⁾ Floating factories on voyage to and from Antarctic and one combined catcher/floating factory which caught 148 sei whales and 1 minke whale, but production unknown. ¹⁵⁾ In addition 1 minke whale. ¹⁶⁾ Floating factories on voyage to and from Antarctic. ¹⁷⁾ In addition floating factories and catchers mentioned under notes 14 and 16.

Table No. 2. — Japanese whaling in the Antarctic season 1971/72 and outside the Antarctic in 1972.

Geographical areas	Species of whales caught							Oil production Barrels	Expeditions		
	Fin	Sei	Bryde's	Hump	Sperm	Others	Total		Shore stations	Floating fact.	Catchers
Antarctic, pelagic..	1,252	4,320	—	—	126	¹⁾ —	5,698	²⁾ 159,610	—	³⁾ 4	³⁾ 41
North Pacific Ocean and Bering Sea, pelagic.....	426	2,041	5	—	1,567	—	4,039	112,071	—	3	25
Japan coastal.....	82	215	125	—	3,020	—	3,442	64,720	8	—	12
South Pacific Ocean, pelagic ⁴⁾	—	—	—	—	860	—	860	22,341	—	—	—
Total	1,760	6,576	130	—	5,573	—	14,039	358,742	8	7	78

¹⁾ In addition 3,013 minke whales were caught. ²⁾ Inclusive 5,912 barrels produced from minke whales. ³⁾ Of which 1 floating factory with 4 catchers caught minke whales only. ⁴⁾ One floating factory on voyage to Antarctic.

Table No. 3 — Whaling of U.S.S.R. in the Antarctic season 1971/72 and outside the Antarctic in 1972.

Antarctic, pelagic..	1,431	1,133	—	3	3,240	¹⁾ —	5,807	227,418	—	3	47
North Pacific Ocean and Bering Sea, pelagic.....	250	71	71	—	1,736	—	2,128	78,600	—	2	19
Coastal.....	—	—	—	—	—	²⁾ 182	182	—	—	—	—
South Atlantic Ocean ³⁾	—	8	—	—	1,277	—	1,285	37,632	—	—	—
Indian Ocean, pelagic ³⁾	—	—	—	—	1,265	—	1,265	36,579	—	—	—
South Pacific Ocean, pelagic ³⁾	—	—	—	—	537	—	537	20,595	—	—	—
Total	1,681	1,212	71	3	8,055	²⁾ 182	11,204	400,824	—	5	66

¹⁾ In addition 8 minke whales were caught. ²⁾ Gray whales. ³⁾ Floating factories on voyage to and from Antarctic.

Table No. 4. Whaling results for the various countries in the Antarctic season 1971/72 and outside the Antarctic in 1972. (See foot-notes to tables 1, 2 and 3).

Japan	1,760	6,576	130	—	5,573	—	14,039	358,742	8	7	78
U.S.S.R.	1,681	1,212	71	3	8,055	182	11,204	400,824	—	5	66
South Africa	51	4	3	—	1,640	—	1,698	46,194	1	—	6
Australia.....	—	—	—	—	953	—	953	34,590	1	—	4
Canada	360	183	—	—	43	—	586	17,298	3	—	4
Iceland	238	132	—	—	76	—	446	14,550	1	—	4
Portugal	—	—	—	—	390	—	390	8,084	—	—	—
Spain.....	90	—	—	—	181	—	271	7,220	3	—	—
Somali Republic ...	—	76	—	—	—	—	76	—	—	—	¹⁾ 1
Brazil	1	5	—	—	66	—	72	5,203	1	—	1
Bahamas.....	—	72	—	—	—	—	72	—	—	—	²⁾ —
U.S.A.	—	—	—	—	—	39	39	—	—	—	—
Greenland	1	—	—	3	1	—	5	—	—	—	—
Norway.....	—	3	—	—	30	—	33	836	—	—	¹⁾ 1
Peru	9	337	—	—	1550	—	1,896	29,741	1	—	4
Chile ³⁾	—	—	—	—	—	—	—	—	—	—	—
Total	4,191	8,600	204	6	18,558	221	31,780	923,282	19	12	169

¹⁾ Combined floating factory/catcher. ²⁾ Transferred to Somali Republic. ³⁾ No information.

Table No. 5 — Average size of whales caught in 1972.

Geographical areas Number of whales measured	Average size		
	Males	Females	Total animals
<u>A. Fin whales.</u>			
<i>Africa:—</i>			
Natal	60.4	62.9	61.5
Males 29 } Total 51			
Females 22 }			
<i>North Atlantic and Arctic:—</i>			
Iceland	59.4	61.6	60.5
Males 119 } Total 238			
Females 119 }			
Newfoundland	57.5	61.7	59.5
Males 142 } Total 265			
Females 123 }			
Nova Scotia	55.4	57.7	56.8
Males 35 } Total 95			
Females 60 }			
<i>North Pacific Ocean and Bering Sea, pelagic:</i>			
Japan	60.1	61.4	60.7
Males 231 } Total 426			
Females 195 }			
U.S.S.R.	59.0	61.0	60.0
Males 131 } Total 250			
Females 119 }			
Japan, coastal	57.4	60.1	58.4
Males 51 } Total 82			
Females 31 }			
<u>B. Sei whales.</u>			
<i>Africa:—</i>			
Natal	45.5	43.5	44.5
Males 2 } Total 4			
Females 2 }			
Brazil	51.0	46.7	48.4
Males 2 } Total 5			
Females 3 }			
<i>North Atlantic and Arctic:—</i>			
Iceland	41.7	44.0	43.2
Males 46 } Total 132			
Females 86 }			
Nova Scotia	43.4	44.6	43.7
Males 134 } Total 183			
Females 49 }			
<i>South Atlantic Ocean, pelagic.....</i>	45.0	45.9	45.4
Males 83 } Total 147			
Females 64 }			

Table No. 5 (continued).

Geographical areas Number of whales measured	Average size		
	Males	Females	Total animals
	Engl. feet	Engl. feet	Engl. feet
North Pacific Ocean and Bering Sea, pelagic:			
Japan	43.8	45.2	44.5
Males 1001 } Total 2041			
Females 1040 }			
U.S.S.R.	45.7	46.2	46.0
Males 33 } Total 71			
Females 38 }			
Japan, coastal	41.9	42.3	42.1
Males 122 } Total 215			
Females 93 }			
<u>C. Bryde's whales.</u>			
<i>Africa:—</i>			
Natal	39.0	46.0	41.3
Males 2 } Total 3			
Females 1 }			
<i>Pacific North:</i>			
North Pacific Ocean and Bering Sea, pelagic:			
Japan	-	44.8	44.8
Males - } Total 5			
Females 5 }			
U.S.S.R.	40.0	41.6	41.0
Males 26 } Total 71			
Females 45 }			
Japan, coastal	39.8	40.6	40.2
Males 61 } Total 125			
Females 64 }			
<u>D. Minke whales.</u>			
<i>Africa:</i>			
Natal	26.8	25.8	26.5
Males 93 } Total 135			
Females 42 }			
Brazil	28.4	29.8	29.3
Males 233 } Total 702			
Females 469 }			
<i>North Atlantic and Arctic:</i>			
Newfoundland	19.7	21.7	21.3
Males 20 } Total 97			
Females 77 }			
<u>E. Sperm whales.</u>			
<i>Africa:—</i>			
Natal	40.1	33.9	37.8
Males 1042 } Total 1640			
Females 598 }			

Table No. 5 (continued).

Geographical areas Number of whales measured	Average size		
	Males	Females	Total animals
	Engl. feet	Engl. feet	Engl. feet
Brazil	40.3	33.2	35.7
Males 24 } Total 66			
Females 42 }			
<i>North Atlantic and Arctic:—</i>			
Iceland	49.4	—	49.4
Males 76			
Nova Scotia	45.8	—	45.8
Males 41			
<i>Pacific North:—</i>			
North Pacific Ocean and Bering Sea, pelagic:			
Japan	45.8	38.6	44.8
Males 1,342 } Total 1,567			
Females 225 }			
U.S.S.R.	46.2	33.7	43.1
Males 1,311 } Total 1,736			
Females 425 }			
Japan, coastal	38.1	35.0	36.4
Males 1,379 } Total 3,020			
Females 1,641 }			
Australia	42.3	34.0	40.9
Males 793 } Total 953			
Females 160 }			
<i>South Atlantic Ocean, pelagic</i>	41.8	35.2	41.1
Males 1,169 } Total 1,307			
Females 138 }			
<i>Indian Ocean, pelagic</i>	41.8	36.8	40.8
Males 1,354 } Total 1,691			
Females 337 }			
<i>South Pacific Ocean, pelagic</i>	43.4	38.4	41.5
Males 601 } Total 971			
Females 370 }			

Table No. 6.—Whales caught in 1972 by species, sex and size.

1. Natal.

Fin whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
49	1	—	1	69	2	1	3
50	1	—	1	70	2	1	3
52	1	—	1	71	1	1	2
53	2	—	2	72	—	1	1
54	1	5	6	75	—	1	1
55	1	—	1	76	—	2	2
56	1	1	2				
57	2	—	2				
58	4	3	7	Total	29	22	51
59	2	—	2				
60	1	2	3	Average size	{ Males: 60.4 feet Females: 62.9 " Total animals: 61.5 "		
61	—	2	2	Per cent	{ Males: 56.9 Females: 43.1		
63	2	—	2				
64	—	1	1				
65	3	—	3				
67	1	—	1				
68	1	1	2				

Sei whales.

Engl. feet.	Number of		Total animals.	Average size	Per cent
	males.	females.			
41	1	1	2	{ Males: 45.5 feet Females: 43.5 " Total animals: 44.5 "	{ Males: 50.0 Females: 50.0
46	—	1	1		
50	1	—	1		
Total	2	2	4		

Bryde's whales.

37	1	—	1	Average size { Males: 39.0 feet Females: 46.0 " Total animals: 41.3 "	Per cent: { Males: 66.7 Females: 33.3
41	1	—	1		
46	—	1	1		
Total	2	1	3		

Table No. 6 (continued).

Minke whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
16	—	1	1	29	13	7	20	
18	—	1	1	30	7	5	12	
20	1	1	2	31	1	—	1	
21	2	3	5	Total	93	42	135	
22	4	1	5	Average size	Males:	26.8 feet	"	
23	5	4	9			Females:		25.8
24	5	1	6					Total animals:
25	6	7	13	Per cent	Males: 68.9			
26	9	3	12		Females: 31.1			
27	17	2	19					
28	23	6	29					

Sperm whales.

28	—	1	1	47	33	—	33	
30	5	11	16	48	34	—	34	
31	4	16	20	49	19	—	19	
32	42	83	125	50	23	—	23	
33	72	146	218	51	6	—	6	
34	84	143	227	52	6	—	6	
35	68	114	182	53	2	—	2	
36	55	53	108	54	1	—	1	
37	36	23	59	Total	1,042	598	1,640	
38	43	4	47	Average size	Males:	40.1 feet	"	
39	54	4	58			Females:		33.9
40	56	—	56					Total animals:
41	71	—	71	Per cent	Males: 63.5			
42	74	—	74		Females: 36.5			
43	86	—	86					
44	68	—	68					
45	62	—	62					
46	38	—	38					

2. South Atlantic Ocean. Pelagic.¹⁾

Sei whales.

35	4	—	4	48	11	10	21	
36	1	3	4	49	5	8	13	
37	—	5	5	50	—	14	14	
38	2	—	2	51	—	1	1	
39	—	1	1	Total	83	64	147	
40	2	2	4	Average size	Males:	45.0 feet	"	
41	1	4	5			Females:		45.9
42	7	—	7					Total animals:
43	1	—	1	Per cent	Males: 56.5			
44	5	2	7		Females: 43.5			
45	9	2	11					
46	15	4	19					
47	20	8	28					

¹⁾ See table 6¹⁰.

Table No. 6 (continued).

3. Brazil.

Sei whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
41	—	1	1	Average size	Males:	51.0 feet	
48	1	1	2		Females:	46.7 "	
51	—	1	1		Total animals:	48.4 "	
54	1	—	1		Per cent	Males:	40.0
Total	2	3	5	Females:		60.0	

Sperm whales.

30	3	11	14	52	2	—	2
31	1	4	5	53	1	—	1
32	—	3	3	54	1	—	1
33	1	5	6	59	1	—	1
35	9	14	23	Total	24	42	66
36	—	1	1	Average size	Males:	40.3 feet	
37	—	3	3		Females:	33.2 "	
38	1	—	1		Total animals:	35.7 "	
39	1	—	1		Per cent	Males:	36.4
41	—	1	1	Females:		63.6	
49	1	—	1				
50	1	—	1				
51	1	—	1				

Minke whales.

25	11	12	23	Average size	Males:	28.4 feet
26	17	9	26		Females:	29.8 "
27	27	20	47		Total animals:	29.3 "
28	66	65	131		Per cent	Males:
29	65	92	157	Females:		66.8
30	28	95	123			
31	12	103	115			
32	7	54	61			
33	—	16	16			
34	—	2	2			
35	—	1	1			
Total	233	469	702			

Table No. 6 (continued).

4. Iceland.

Fin whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
48	1	—	1	65	4	5	9
50	1	—	1	66	3	9	12
51	1	1	2	67	—	6	6
52	2	1	3	68	—	1	1
53	4	1	5	69	—	3	3
54	5	2	7	70	—	3	3
55	8	6	14	71	—	1	1
56	3	6	9	Total	119	119	238
57	8	7	15	Average size	Males:	59.4 feet	
58	6	6	12		Females:	61.6 "	
59	15	6	21		Total animals:	60.5 "	
60	14	8	22	Per cent	Males:	50.0	
61	15	11	26		Females:	50.0	
62	12	11	23				
63	10	13	23				
64	7	12	19				

Sei whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
34	—	1	1	47	—	12	12
35	—	1	1	48	—	9	9
36	—	1	1	49	—	2	2
37	2	4	6	50	—	1	1
38	4	2	6	Total	46	86	132
39	1	4	5	Average size	Males:	41.7 feet	
40	5	3	8		Females:	44.0 "	
41	9	2	11		Total animals:	43.2 "	
42	8	7	15	Per cent	Males:	34.8	
43	7	5	12		Females:	65.2	
44	5	8	13				
45	4	15	19				
46	1	9	10				

Sperm whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.	
	males.	females.			males.	females.		
41	2	—	2	53	11	—	11	
42	1	—	1	54	5	—	5	
43	3	—	3	55	1	—	1	
44	1	—	1	Total	76	—	76	
45	4	—	4	Average size males: 49.4 feet.				
46	7	—	7					
47	4	—	4					
48	8	—	8					
49	3	—	3					
50	9	—	9					
51	9	—	9					
52	8	—	8					

Table No. 6 (continued).

5. Newfoundland.

Fin whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
49	1	—	1	65	1	15	16
51	4	—	4	66	1	8	9
52	4	—	4	67	—	4	4
53	7	4	11	68	—	3	3
54	8	3	11	69	—	1	1
55	12	7	19	Total	142	123	265
56	17	2	19	Average size { Males: 57.5 feet			
57	16	6	22	{ Females: 61.7 „			
58	19	5	24	{ Total animals: 59.5 „			
59	17	5	22	Per cent { Males: 53.6			
60	13	5	18	{ Females: 46.4			
61	9	8	17				
62	9	12	21				
63	3	19	22				
64	1	16	17				

Minke whales.

14	—	1	1	27	—	1	1
15	1	—	1	29	—	1	1
16	1	4	5	Total	20	77	97
17	4	6	10	Average size { Males: 19.7 feet			
18	1	8	9	{ Females: 21.7 „			
19	4	1	5	{ Total animals: 21.3 „			
20	1	5	6	Per cent { Males: 20.6			
21	2	5	7	{ Females: 79.4			
22	2	8	10				
23	2	10	12				
24	1	17	18				
25	1	8	9				
26	—	2	2				

6. Nova Scotia.

Fin whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
47	—	1	1	61	1	3	4
48	—	1	1	62	—	4	4
49	1	—	1	63	—	1	1
50	1	—	1	64	—	3	3
51	1	3	4	65	—	2	2
52	3	4	7	66	—	1	1
53	4	3	7	Total	35	60	95
54	4	2	6	Average size { Males: 55.4 feet			
55	3	3	6	{ Females: 57.7 „			
56	5	6	11	{ Total animals: 56.8 „			
57	3	3	6	Per cent { Males: 36.8			
58	5	2	7	{ Females: 63.2			
59	3	12	15				
60	1	6	7				

Table No. 6 (continued).

Sei whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
35	2	1	3	48	-	3	3
36	-	2	2	49	-	3	3
37	1	1	2	50	-	1	1
38	1	-	1	Total	134	49	183
39	5	1	6	Average size { Males: 43.4 feet Females: 44.6 " Total animals: 43.7 " Per cent { Males: 73.2 Females: 26.8			
40	5	3	8				
41	6	1	7				
42	9	1	10				
43	32	5	37				
44	29	4	33				
45	30	3	33				
46	12	9	21				
47	2	11	13				

Sperm whales.

32	1	-	1	49	4	-	4
34	2	-	2	50	4	-	4
35	1	-	1	51	3	-	3
39	1	-	1	52	1	-	1
42	2	-	2	53	1	-	1
43	3	-	3	55	1	-	1
44	2	-	2	Total	41	-	41
45	4	-	4	Average size: Males: 45.8 feet			
46	6	-	6				
47	4	-	4				
48	1	-	1				

7. North Pacific Ocean and Bering Sea, pelagic.

1. Japan.

Fin whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
53	-	1	1	67	-	11	11
54	-	1	1	68	-	5	5
55	11	5	16	69	-	4	4
56	16	18	34	70	-	2	2
57	16	18	34	72	-	1	1
58	22	16	38	Total	231	195	426
59	26	6	32	Average size { Males: 60.1 feet Females: 61.4 " Total animals: 60.7 " Per cent { Males: 54.2 Females: 45.8			
60	27	19	46				
61	40	12	52				
62	33	18	51				
63	20	22	42				
64	10	15	25				
65	7	10	17				
66	3	11	14				

Table No. 6 (continued).

Sei whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
37	1	—	1	51	—	42	42
38	2	3	5	52	—	23	23
39	11	7	18	53	—	1	1
40	85	68	153	54	—	1	1
41	131	108	239	55	—	1	1
42	102	84	186	56	1	—	1
43	118	108	226	Total	1,001	1,040	2,041
44	139	81	220	Average size	{ Males: 43.8 feet Females: 45.2 " Total animals: 44.5 "		
45	137	93	230	Per cent	{ Males: 49.0 Females: 51.0		
46	129	97	226				
47	83	99	182				
48	39	96	135				
49	20	71	91				
50	3	57	60				

Bryde's whales.

Engl. feet.	Number of		Total animals.	Average size: Females 44.8 feet.
	males.	females.		
43	—	1	1	
44	—	2	2	
45	—	1	1	
48	—	1	1	
Total	—	5	5	

Sperm whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
30	—	1	1	50	93	—	93
33	—	2	2	51	100	—	100
34	—	2	2	52	113	—	113
35	—	2	2	53	42	—	42
36	3	9	12	54	15	—	15
37	2	4	6	55	4	—	4
38	29	95	124	56	6	—	6
39	91	75	166	57	3	—	3
40	93	14	107	Total	1,342	225	1,567
41	108	11	119	Average size	{ Males: 45.8 feet Females: 38.6 " Total animals: 44.8 "		
42	100	8	108	Per cent	{ Males: 85.6 Females: 14.4		
43	90	2	92				
44	65	—	65				
45	56	—	56				
46	78	—	78				
47	84	—	84				
48	89	—	89				
49	78	—	78				

Table No. 6 (continued).

2. U. S. S. R.

Fin whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
48	—	1	1	66	4	12	16
50	2	—	2	67	—	6	6
52	1	1	2	68	1	—	1
54	—	1	1	69	—	2	2
55	23	13	36	70	1	—	1
56	15	7	22	71	2	1	3
57	11	4	15	Total	131	119	250
58	17	3	20	Average size {			Males: 59.0 feet
59	12	14	26	{			Females: 61.0 „
60	6	15	21	{			Total animals: 60.0 „
61	11	1	12	Per cent {			Males: 52.4
62	9	10	19	{			Females: 47.6
63	8	10	18				
64	6	13	19				
65	2	5	7				

Sei whales.

35	—	1	1	51	3	1	4	
40	3	3	6	52	—	1	1	
41	2	4	6	Total	33	38	71	
42	1	1	2	Average size {				Males: 45.7 feet
43	4	1	5	{				Females: 46.2 „
44	3	1	4	{				Total animals: 46.0 „
45	2	1	3	Per cent {				Males: 46.5
46	5	3	8	{				Females: 53.5
47	2	2	4					
48	1	6	7					
49	4	11	15					
50	3	2	5					

Bryde's whales.

34	—	1	1	45	—	2	2	
35	1	—	1	51	1	1	2	
36	1	2	3	Total	26	45	71	
37	3	—	3	Average size {				Males: 40.0 feet
38	2	1	3	{				Females: 41.6 „
39	2	1	3	{				Total animals: 41.0 „
40	5	9	14	Per cent {				Males: 36.6
41	10	7	17	{				Females: 63.4
42	—	8	8					
43	1	7	8					
44	—	6	6					

Table No. 6 (continued).

Sperm whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.		
	males.	females.			males.	females.			
30	26	51	77	49	121	—	121		
31	7	34	41	50	137	—	137		
32	8	43	51	51	127	—	127		
33	10	64	74	52	75	—	75		
34	4	76	80	53	89	—	89		
35	3	58	61	54	24	—	24		
36	5	50	55	55	7	—	7		
37	4	31	35	56	4	—	4		
38	61	13	74	Total	1,311	425	1,736		
39	74	4	78	Average size { Males: 46.2 feet Females: 33.7 " Total animals: 43.1 " Per cent { Males: 75.5 Females: 24.5					
40	62	—	62						
41	43	1	44						
42	32	—	32						
43	61	—	61						
44	57	—	57						
45	43	—	43						
46	50	—	50						
47	70	—	70						
48	107	—	107						

8. Japan. — Coastal.

Fin whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.		
	males.	females.			males.	females.			
48	—	1	1	63	3	4	7		
50	1	—	1	64	1	2	3		
51	1	1	2	65	—	3	3		
52	3	1	4	67	—	2	2		
53	4	—	4	69	—	1	1		
54	3	1	4	Sum	51	31	82		
55	2	1	3	Average size { Males: 57.4 feet Females: 60.1 " Total animals: 58.4 " Per cent { Males: 62.2 Females: 37.8					
56	6	1	7						
57	4	3	7						
58	8	2	10						
59	5	3	8						
60	3	1	4						
61	6	3	9						
62	1	1	2						

Table No. 6 (continued).

Sei whales.

Engl. feet.	Number of		Total animals.	Engl. feet	Number of		Total animals.	
	males.	females.			males.	females.		
36	2	4	6	49	1	3	4	
37	7	4	11	50	1	1	2	
38	13	4	17	52	-	2	2	
39	17	10	27	Sum	122	93	215	
40	6	15	21	Average size { Males: 41.9 feet Females: 42.3 " Total animals: 42.1 " Per cent { Males: 56.7 Females: 43.3				
41	6	14	20					
42	10	4	14					
43	19	5	24					
44	19	6	25					
45	7	4	11					
46	10	8	18					
47	3	5	8					
48	1	4	5					

Bryde's whales.

35	1	3	4	46	-	2	2	
36	10	9	19	47	-	1	1	
37	3	5	8	Sum	61	64	125	
38	6	2	8	Average size { Males: 39.8 feet Females: 40.6 " Total animals: 40.2 " Per cent { Males: 48.8 Females: 51.2				
39	8	5	13					
40	7	7	14					
41	7	3	10					
42	10	7	17					
43	5	8	13					
44	2	8	10					
45	2	4	6					

Sperm whales.

29	1	1	2	48	16	2	18	
30	18	24	42	49	28	-	28	
31	69	89	158	50	29	-	29	
32	59	132	191	51	18	-	18	
33	88	187	275	52	15	-	15	
34	120	310	430	53	3	-	3	
35	99	234	333	54	4	-	4	
36	144	270	414	55	1	-	1	
37	144	157	301	Sum	1,379	1,641	3,020	
38	115	109	224	Average size { Males: 38.1 feet Females: 35.0 " Total animals: 36.4 " Per cent { Males: 45.7 Females: 54.3				
39	111	83	194					
40	93	28	121					
41	61	9	70					
42	28	1	29					
43	33	-	33					
44	26	2	28					
45	15	3	18					
46	20	-	20					
47	21	-	21					

Table No. 6 (continued).

9. Australia. Sperm whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
29	—	1	1	45	47	—	47
30	1	2	3	46	47	—	47
31	6	16	22	47	47	—	47
32	6	14	20	48	57	—	57
33	11	28	39	49	35	—	35
34	9	31	40	50	30	—	30
35	35	36	71	51	17	—	17
36	47	21	68	52	12	—	12
37	38	8	46	Sum	793	160	953 ¹⁾
38	51	3	54	Average size	{	Males:	42.3 feet
39	58	—	58			Females:	34.0 „
40	51	—	51			Total animals:	40.9 „
41	49	—	49	Per cent	{	Males:	83.2
42	53	—	53			Females:	16.8
43	43	—	43				
44	43	—	43				

¹⁾ Including 125 whales below the legal size limit caught subject to a special permit.

10. South Atlantic Ocean. Sperm whales.

(North of 40° South, taken in the 1971/72 pelagic season.)

27	1	—	1	47	30	—	30
29	—	1	1	48	19	—	19
31	—	1	1	49	19	—	19
32	2	8	10	50	16	—	16
33	5	18	23	51	8	—	8
34	7	24	31	52	21	—	21
35	6	30	36	53	12	—	12
36	10	17	27	54	3	—	3
37	17	13	30	55	3	—	3
38	130	19	149	56	1	—	1
39	187	7	194	57	1	—	1
40	158	—	158	Sum	1,169	138	1,307
41	136	—	136	Average size	{	Males:	41.8 feet
42	120	—	120			Females:	35.2 „
43	91	—	91			Total animals:	41.1 „
44	73	—	73	Per cent	{	Males:	89.4
45	52	—	52			Females:	10.6
46	41	—	41				

Table No. 6 (continued).

11. Indian Ocean. Sperm whales.

(North of 40° South, taken in the 1971/72 pelagic season.)

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
28	1	—	1	45	77	—	77
29	1	5	6	46	55	—	55
30	—	5	5	47	54	—	54
31	—	14	14	48	36	—	36
32	2	11	13	49	41	—	41
33	3	12	15	50	26	—	26
34	4	18	22	51	17	—	17
35	5	11	16	52	9	—	9
36	7	17	24	53	2	—	2
37	19	16	35				
38	190	180	370	Sum	1,354	337	1,691
39	227	39	266				
40	198	5	203	Average size	{ Males: 41.8 feet Females: 36.8 " Total animals: 40.8 "		
41	133	3	136	Per cent	{ Males: 80.1 Females: 19.9		
42	92	—	92				
43	80	1	81				
44	75	—	75				

12. South Pacific Ocean. Sperm whales.

(North of 40° South, taken in the 1971/72 pelagic season.)

30	—	1	1	47	26	—	26
31	2	6	8	48	24	—	24
32	—	4	4	49	30	—	30
33	1	4	5	50	21	—	21
34	1	7	8	51	14	—	14
35	3	4	7	52	18	—	18
36	2	6	8	53	4	—	4
37	9	18	27	54	3	—	3
38	56	136	192				
39	57	114	171	Sum	601	370	971
40	48	40	88				
41	48	19	67	Average size	{ Males: 43.4 feet Females: 38.4 " Total animals: 41.5 "		
42	51	7	58	Per cent	{ Males: 61.9 Females: 38.1		
43	59	1	60				
44	38	3	41				
45	42	—	42				
46	44	—	44				

Table No. 7.—Average production of oil per “blue whale unit” in 1972.

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

Geographical areas.	Company.	Blue whale equivalents.	Oil production.	
			Total.	Average per blue whale equivalent.
			Barrels. ¹⁾	Barrels. ¹⁾
<i>North Atlantic and Arctic: —</i>				
Iceland	No. 1	141.0	10,663	75.6
Newfoundland	„ 1	65.5 ²⁾	5,124	78.2
Nova Scotia	„ 1	78.0	6,526	83.7
Total		284.5	22,313	78.4
<i>Pacific North:—</i>				
North Pacific Ocean and Bering Sea, pelagic:				
Japan	No 1	178.3	13,094	73.4
	„ 2	197.2	12,847	65.1
	„ 3	178.5	13,765	77.1
Total		554.0	39,706	71.7
U.S.S.R.	No. 1	25.3	529	20.9
	„ 2	123.3	7,559	61.3
Total		148.6	8,088	54.4
Japan, coastal	No. 1	14.0	611	43.6
	„ 2	22.2	947	42.7
	„ 3	37.8	1,335	35.3
	„ 4	19.8	1,322	66.8
	„ 5	3.8	191	50.3
Total		97.6	4,406	45.1
Peru	Nr. 1	60.7	3,112	51.3

¹⁾ Barrel = 170 kg. (Barrel = abt. 1/6 long ton, 1 long ton = 1,016 kg.) ²⁾ Excl. lost whales.

Table No. 8.—Average production of oil per sperm whale in 1972.

Geographical areas.	Company.	Number of sperm whales.	Oil production.	
			Total.	Average per sperm whale
<i>Africa:—</i>			Barrels ¹⁾	Barrels ¹⁾
Natal	No. 1	1,640	42,923	26.2
<i>Brazil:—</i>	No. 1	66	1,047	15.9
<i>North Atlantic and Arctic:—</i>				
Azores—Madeira		390	8,084	20.7
Iceland	No. 1	76	3,887	51.1
Newfoundland	" 1	2	76	38.0
Nova Scotia	" 1	41	1,799	43.9
Total		509	13,846	27.2
<i>Pacific North:—</i>				
North Pacific Ocean and Bering Sea, pelagic:				
Japan	No. 1	642	29,488	45.9
	" 2	648	28,612	44.2
	" 3	277	14,265	51.5
Total		1,567	72,365	46.2
U.S.S.R.	No. 1	1,093	43,194	39.5
	" 2	643	27,318	42.5
Total		1,736	70,512	40.6
Japan, costal.....	No. 1	532	14,495	27.2
	" 2	833	15,537	18.7
	" 3	819	17,076	20.8
	" 4	447	7,076	15.8
	" 5	389	6,130	15.8
Total		3,020	60,314	20.0
Peru.....	No. 1	1,550	26,629	17.2
<i>Australia</i>	No. 1	953	34,590	36.3
<i>South Atlantic Ocean, pelagic</i>	No. 1	822	23,410	28.5
	" 2	455	14,222	31.3
	" 3	30	800	26.7
Total		1,307	38,432	29.4
<i>Indian Ocean, pelagic</i>	No. 1	833	23,467	28.2
	" 2	432	13,112	30.4
	" 3	250	7,177	28.7
	" 4	176	4,375	24.9
Total		1,691	48,131	28.5
<i>South Pacific, pelagic</i>	No. 1	537	20,595	38.4
	2	434	10,789	24.9
Total		971	31,384	32.3

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

