

INTERNATIONAL
WHALING STATISTICS
81
LXXXI

EDITED BY
THE COMMITTEE FOR WHALING STATISTICS



SANDEFJORD 1978

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PREFACE

This publication comprises the world aggregate whaling results for 1977, i. e. the catch by Antarctic pelagic expeditions in the Southern Hemisphere in the 1976/77 season and the catch of other expeditions and shore stations during the calendar year 1977. With regard to the Japanese coastal catch of sperm whales, see Introduction.

Statistical data have not been received from Portugal (Azores and Madeira), Spain, Chile and Somali Republic.

Sandefjord, November 1978.

E. Vangstein

INTRODUCTION

Details of Antarctic pelagic whaling in the season 1976/77 will be found in publication No. LXXX.

In the North Pacific one Japanese, two USSR pelagic expeditions and 4 Japanese shore stations operated in 1977. The quota set was:

Bryde's whales	1,000
Sperm whales — males	4,320
—»— — females	2,880
Minke whales	541

The total quota of Bryde's whales and sperm whales was divided into national quotas between Japan and USSR. The national quotas and catches were:

	Japan		U.S.S.R.		Total	
	Quota	Catch	Quota	Catch	Quota	Catch
Bryde's whales	500	500	500	275	1,000	775
Spermwhales —						
males	1,847	1,847	2,473	1,781	4,320	3,628
females	1,231	1,231	1,649	1,485	2,880	2,716
Total sperm whales	3,078	3,078	4,122	3,266	7,200	6,344

In addition Japan caught 248 minke whales.

According to Schedule paragraph 3(c) the open season for the taking of sperm whales shall not exceed eight continuous months in any period of twelve months. For the coastal sperm whaling Japan declared an open season from August 1, 1977 to March 31, 1978. At the recommendation of the Scientific Committee of the International Whaling Commission the catch in the North Pacific relating to each continuous season has been referred to the calendar year when whaling operations started. Thus the coastal catch of sperm whales from August 1, 1977 to March 31, 1978 has been recorded as the 1977 season's catch.

For the pelagic season in the Southern Hemisphere the catch has been referred to the calendar year when whaling operations ceased. (See publication No. LXXI, page 7.)

The quotas set for the North Atlantic Ocean were:

Fin whales	— Newfoundland Stock	90
—»—	— North Norway Stock.....	61
—»—	— East Greenland — Iceland Stock	*)304
Sei whales	— Iceland — Denmark Strait Stock	132
Sperm whales	— North Atlantic Ocean	685
Minke whales	— North American Stock	48
—»—	— West Greenland Stock	325
—»—	— East Greenland Stock	320
—»—	— East Atlantic Stock.....	1,790
—»—	Total	2,483

There was no catch of fin whales in Newfoundland and North Norway waters. In Iceland one shore station with 4 catchers were in operation, and the catch amounted to:

144 fin whales
132 sei whales
110 sperm whales.

The catch of minke whales in the North Atlantic Ocean was as follows:

Norway	1,772
Greenland	251
Iceland	194
Total	2,217

The quotas set for the Southern Hemisphere for the 1976/77 pelagic season and the 1977 coastal season were:

1,863 sei whales
8,900 minke whales
3,894 sperm whale males
897 sperm whale females.

These quotas were split into national quotas by agreement between Japan, USSR, Brazil and Australia.

In the Introduction to International Whaling Statistics No. LXXX the quotas and catches for the Japanese and USSR Antarctic pelagic expeditions are given for the season 1976/77 by Area for sei and minke whales and by Division for sperm whales.

*) Total catch shall not exceed 1,524 fin whales in the six years 1977 to 1982 inclusive, and the total catch in any one year shall not exceed 304.

In addition to the quotas mentioned above, Japan issued a special permit for no more than 240 Southern Hemisphere Bryde's whales to be caught for scientific research purposes. A total of 225 were taken, all north of 40° S.

The national quotas and catches for Brazil were:

Species	Quota		Catch
Sei whales	5	Area II	5
Minke whales	1,000	Area II	1,000
Sperm whale males	14	Division 2	13
Sperm whale females	11	Division 2	12

The national quota and catches for Australia were:

Sperm whale males	508	Division 5	508
Sperm whale females	116	Division 5	116

The total catch by Areas in the Southern Hemisphere (north and south of 40° South) amounted to:

	Sei whales	Bryde's whales	Minke whales	Male	Sperm whales Female	Total
Area I.....	298	—	943	10	—	10
Area II.....	88	—	1,865	442	84	526
Area III.....	—	105	2,876	1,429	367	1,796
Area IV.....	383	—	1,600	1,000	139	1,139
Area V.....	556	120	1,467	213	97	310
Area VI.....	538	—	149	735	208	943
	1,863	225	8,900	3,829	895	4,724

The total catch of sperm whales by Divisions in the Southern Hemisphere (north and south of 40° South) amounted to:

	Males	Females	Total
Division 1	296	62	358
Division 2	798	206	1,004
Division 3	632	183	815
Division 4	590	—	590
Division 5	555	139	694
Division 6	213	3	216
Division 7	—	94	94
Division 8	745	208	953
Division 9	—	—	—
	3,829	895	4,724

The quotas set by the Commission apply to member nations of the Commission. Chile, Peru, Portugal, Spain and Korea are not members of the Commission.

Since International Whaling Statistics No. LXXIX was published, information has been received from Peru of catch and production in 1976. (See tables t and Z¹). Length frequencies in meters of sei, Bryde's and sperm whales taken in 1976 and 1977 will be found in table 6⁹.

According to unofficial reports from Chile 87 and 61 whales were caught in 1976 and 1977 respectively.

At the last meeting of the International Whaling Commission the USSR delegation presented a table showing whales caught by USSR aborigines. The catches for the period 1948—1968 inclusive have not previously been recorded in the International Whaling Statistics. In the said period only gray whales were caught, and the result was as follows:

1948	19	1958.....	145
1949	26	1959.....	187
1950	10	1960.....	156
1951	12	1961.....	207
1952	42	1962.....	147
1953	37	1963.....	179
1954	36	1964.....	188
1955	69	1965.....	175
1956	121	1966.....	194
1957	95	1967.....	125
		1968.....	135

The catch by USSR aborigines for 1969—1977 inclusive will be found in table o. Some corrections have been made with regard to previously published International Whaling Statistics.

Tables Z²—Z¹¹ show the catches of small whales including the catches made by Antarctic pelagic expeditions.

From the United States Department of Commerce information has previously been received of the estimated incidental kill of Delphinids by US tuna fishermen (see Introduction to publications No. LXXIII, LXXV, LXXVII and LXXIX).

The United States Department of Commerce now reports that the figures previously given refer to the estimated number of dolphins and porpoises killed by fishermen of all nationalities participating in the international tuna purse seine fishery.

The annual estimated number of porpoises and dolphins killed by fishermen in the international tuna purse seine fishery in the Eastern tropical Pacific Ocean should be:

	By US fishermen	By fishermen of other nations
1970.....	490,000	2,000
1971.....	310,000	9,000
1972.....	306,000	42,000
1973.....	175,000	42,000
1974.....	99,000	21,000
1975.....	134,000	47,000
1976.....	104,000	40,000
1977.....	27,000	44,000

The above estimated kill of Delphinids includes all species caught. The estimated kill of common dolphin by US fishermen will be found in table Z¹⁰.

Since International Whaling Statistics No. LXXIX was published, information has been received of the catch of pilot whales from the West Indies in 1975 and 1976, which was 135 and 117 respectively (tables Z² and Z⁵).

Since the tables to this publication were printed information has been received of catch of whales from Korea in 1976 and 1977. The catch amounted to:

	Bryde's whales	Minke whales
1976	43	494
1977	26	1,033

In International Whaling Statistics No. LXXIX there is a printing error in tables Z³ and Z⁴ on pages 28 and 29 which show the catch of minke whales (Z³) and bottlenosed whales (Z⁴). The catch specified under Z⁴ (Bottlenosed) for «Somali Republic» and «Republic of Korea» should be minke whales and should be referred to the end of table Z³. Table Z⁴ starts with «Norway». Corrections have been made in this publication.

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	168	—	7 ²⁾	88 ²⁾	19	5	80
1972—73	14	13	181	—	7 ²⁾	82 ²⁾	14	6	99
1973—74	12	13	158	—	8 ³⁾	78	12	5	80
1974—75	10	12	148	—	7 ⁴⁾	75	10	5	73
1975—76	8	8	117	—	5	56	8	3	61
1976—77	8	7	91	—	4	43	8	3	48

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. ³⁾ Of which 2 floating factories caught minke whales only. ⁴⁾ Of which 1 floating factory with 3 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	—	5,355	9	12,483	23,929	350	42,126
1969—70	1	5,237	15	11,561	25,521	146	42,481
1970—71	9	4,572	24	11,372	22,642	152	38,771
1971—72	—	4,192	6	8,819	18,895	221	32,133
1972—73	7	2,620	15	7,439	22,305	216	32,602
1973—74	—	2,129	9	8,062	21,222	204	31,626
1974—75	—	1,427	9	6,826	20,814	191	29,267
1975—76	—	495	5	3,603	16,933	219	21,255
1976—77	—	155	10	2,387	11,977	215	15,744

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	42,126	11,478	2,078	1,249	183	4,299	7,167	9,895
1969—70	42,481	11,949	1,880	1,204	73	4,118	6,453	9,845
1970—71	38,771	12,098	2,143	1,368	53	3,842	4,874	6,649
1971—72	32,133	11,508	1,698	1,037	—	3,442	4,039	2,128
1972—73	32,602	9,840	1,658	465	—	2,593	3,771	5,249
1973—74	31,626	10,607	1,817	378	—	2,620	3,731	4,832
1974—75	29,267	9,000	1,707	584	—	2,464	3,063	4,436
1975—76	21,255	4,856	—	402	—	2,570	1,631	4,350
1976—77	15,744	3,860	—	405	—	2,093	1,485	3,541

	Chile.	Peru.	Australia.	South Atlantic Ocean.	Indian Ocean.	South Pacific Ocean.	Others.
1968—69	253	2,305	679	1,101	570	—	869
1969—70	291	1,935	799	1,617	1,226	156	935
1970—71	253	1,773	860	1,587	1,571	736	964
1971—72	352	1,896	953	1,463	1,691	971	955
1972—73	246	1,838	971	2,779	522	1,730	940
1973—74	164	1,812	1,080	1,709	723	1,407	746
1974—75	106	1,343	1,172	2,565	793	1,685	349
1975—76	62	1,918	995	2,185	771	1,284	231
1976—77	—	1,193	624	1,086	900	312	245

¹⁾ Exclusive small whales — See tables Z²—Z¹¹. ²⁾ Excluding Spain, Azores and Madeira.

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
1972—73 ..	859,296	345,539	40,704	14,692	—	53,740	106,406	111,970
1973—74 ..	815,403	334,065	41,648	14,639	—	48,485	108,352	103,534
1974—75 ..	764,003	292,504	36,588	13,147	—	47,310	82,683	89,247
1975—76 ..	562,102	180,076	—	13,034	—	51,766	37,529	102,142
1976—77 ..	450,128	137,460	—	9,417	—	43,168	40,471	95,789
	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 ..	⁵)	29,741	34,590	⁴)38,432	48,131	31,384	20,507	
1972—73 ..	⁵)	27,441	33,415	56,426	10,906	37,411	20,646	
1973—74 ..	⁵)	22,856	33,002	41,071	23,823	29,082	14,846	
1974—75 ..	⁵)	17,283	34,610	71,285	21,153	47,135	11,058	
1975—76 ..	⁵)	29,518	33,773	59,820	19,239	30,782	4,423	
1976—77 ..	⁵)	17,488	23,123	41,012	30,636	6,209	5,355	

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. ⁵) No information.

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.										
										Denmark	Norway.	Peru.	Portugal.	Spain.	South Africa.	United States of America.	U.S.S.R.	Republic of Korea	
1968—69	42,126	679	137	695	253	423	16,782	446	—										
1969—70	42,481	799	102	712	291	377	16,251	628	—										
1970—71	38,771	860	75	710	253	554	15,794	602	—										
1971—72	32,133	953	72	586	352	446	14,039	72	76										
1972—73	32,602	971	82	—	246	453	11,268	—	491										
1973—74	31,626	1,080	32	—	164	365	10,095	—	451										
1974—75	29,267	1,172	57	1	106	420	9,450	—	276										
1975—76	21,255	995	12	—	62	389	6,227	—	23										
1976—77	15,744	624	30	—	²)	386	5,274	—	²)										
1968—69	3	128	2,305	228	315	2,078	183	17,436	35										
1969—70	1	228	1,935	249	413	1,880	73	18,517	25										
1970—71	5	196	1,773	353	361	2,143	53	15,014	25										
1971—72	5	33	1,896	390	271	1,698	39	11,204	1										
1972—73	12	—	1,838	388	251	1,658	37	14,903	4										
1973—74	13	—	1,812	234	224	1,817	21	15,266	52										
1974—75	13	—	1,343	238	²)	1,707	15	14,456	13										
1975—76	13	—	1,918	²)	²)	—	56	11,560	²)										
1976—77	19	—	1,193	²)	²)	—	29	8,189	²)										

¹) Exclusive small whales. — See tables Z⁸—Z¹¹. ²) No information.

**Table f.—Whaling results for the various countries. All areas.
Oil production in barrels.¹⁾²⁾**

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	³⁾ ⁴⁾
1972—73 ..	859,296	33,415	4,874	—	³⁾	14,692	295,129	⁴⁾ 1,626
1973—74 ..	815,403	33,002	4,545	—	³⁾	14,639	251,648	⁴⁾ 1,840
1974—75 ..	764,003	34,610	6,148	—	³⁾	13,147	236,669	⁴⁾ 708
1975—76 ..	562,102	33,773	4,423	—	³⁾	13,034	144,024	—
1976—77 ..	450,128	23,123	5,355	—	³⁾	9,417	125,639	—

	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
1972—73	—	27,441	9,292	²⁾ 6,480	40,704	—	425,643
1973—74	—	22,856	4,681	²⁾ 5,620	41,648	—	434,924
1974—75	—	17,283	4,910	³⁾	36,588	—	413,940
1975—76	—	29,518	³⁾	³⁾	—	—	337,330
1976—77	—	17,488	³⁾	³⁾	—	—	269,106

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

⁴⁾ Somali Rep. ⁵⁾ Inclusive oil produced of minke whales — see table 1.

Table g.—Sperm-oil production.

Grounds	1970/71	1971/72	1972/73	1973/74	1974/75	1975/76	1976/77
	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels
Antarctic, pelagic	116,714	133,377	167,734	176,801	152,192	116,529	78,248
Africa:							
Natal	42,624	42,923	37,494	39,883	35,135	—	—
South Atlantic, pelagic	32,526	38,432	54,800	39,231	70,577	59,820	41,012
Brazil	862	1,047	770	247	566	149	337
North Atlantic and Arctic:							
Azores	6,984	6,785	7,627	3,012	2,915	²⁾	²⁾
Madeira	1,165	1,299	1,665	1,669	1,995	²⁾	²⁾
Spain	¹⁾ 5,460	¹⁾ 3,620	¹⁾ 3,560	¹⁾ 3,340	²⁾	²⁾	²⁾
Norway	3,117	—	—	—	—	—	—
Iceland	5,532	3,887	2,519	3,672	1,929	5,115	4,707
Newfoundland	—	76	—	—	—	—	—
Nova Scotia	1,853	1,799	—	—	—	—	—
Pacific North:							
California	918	—	—	—	—	—	—
Pelagic, Japan	89,388	72,365	82,959	78,223	65,624	31,217	36,294
Pelagic, U.S.S.R.	216,882	70,512	102,229	94,470	84,603	97,677	94,495
Japan, coastal	68,148	60,314	51,800	46,112	45,962	51,298	42,691
Indian Ocean	42,941	48,131	10,906	23,823	21,153	19,239	29,324
South Pacific Ocean	21,892	31,384	37,411	29,082	47,135	30,782	5,133
Peru	24,174	26,629	24,629	18,841	13,665	25,830	14,806
Chile	¹⁾ 5,250	²⁾	²⁾	²⁾	²⁾	²⁾	²⁾
Australia	34,894	34,590	33,415	33,002	34,610	33,773	23,123
	721,324	577,170	619,518	591,408	578,061	471,429	370,170
Of which produced by:							
Norway	5,108	800	—	—	—	—	—
South Africa	42,624	42,923	37,494	39,883	35,135	—	—
Japan	192,754	158,885	154,759	135,799	138,556	100,720	86,955
U.S.S.R.	391,411	294,830	353,080	351,943	348,690	305,842	240,242
Canada	1,853	1,875	—	—	—	—	—
Portugal	8,149	8,084	9,292	4,681	4,910	²⁾	²⁾
Australia	34,894	34,590	33,415	33,002	34,610	33,773	23,123
Spain	¹⁾ 5,460	¹⁾ 3,620	¹⁾ 3,560	3,340	²⁾	²⁾	²⁾
Iceland	5,532	3,887	2,519	3,672	1,929	5,115	4,707
Peru	24,174	26,629	24,629	18,841	13,665	25,830	14,806
Brazil	862	1,047	770	247	566	149	337
Chile	¹⁾ 5,250	²⁾	²⁾	²⁾	²⁾	²⁾	²⁾
U.S.A.	918	—	—	—	—	—	—
Bahamas	2,335	—	—	—	—	—	—

¹⁾ Calculated ²⁾ No information.

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

Species of whales and whaling grounds	1977	1976	1975	1974	1973	1972	1971
	Engl.ft.	Engl.ft.	Engl.ft.	Engl.ft.	Engl.ft.	Engl.ft.	Engl.ft.
<u>Fin whales.</u>							
Antarctic:—							
Pelagic whaling	—	65,9	66,0	65,5	66,2	65,7	65,7
Africa:—							
Natal	—	—	60,7	62,4	62,0	61,5	62,3
Brazil	—	—	—	—	—	—	—
North Atlantic and Arctic:—							
Norway	—	—	—	—	—	—	60,7
Iceland	59,6	60,2	60,0	60,6	60,5	60,5	60,7
Newfoundland	—	—	—	—	—	59,5	59,3
Nova Scotia	—	—	—	—	—	56,8	57,6
Pacific North:—							
California	—	—	—	—	—	—	56,0
Pelagic, Japan	—	—	61,0	60,1	60,3	60,7	60,9
Pelagic, U.S.S.R.	—	—	60,5	58,5	60,8	60,0	60,4
Japan, coastal	—	—	58,9	60,7	59,2	58,4	59,6
<u>Sei whales.</u>							
Antarctic:—							
Pelagic whaling	47,7	47,8	47,8	47,9	47,5	47,1	47,4
Africa:—							
Natal	—	—	46,0	38,5	46,5	44,5	42,2
Brazil	48,0	47,7	45,0	43,3	47,4	48,4	46,9
North Atlantic and Arctic:—							
Iceland	44,2	43,7	43,6	42,4	43,8	43,2	43,8
Nova Scotia	—	—	—	—	—	43,7	44,5
Pacific North:—							
California	—	—	—	—	—	—	47,5
Pelagic, Japan	—	—	44,0	44,1	44,1	44,5	44,7
Pelagic, U.S.S.R.	—	—	45,5	45,0	43,8	46,0	43,4
Japan coastal	—	—	42,9	42,0	43,3	42,1	43,9
South Atlantic Ocean, pelagic.	—	—	43,5	43,2	43,7	45,4	—
<u>Bryde's whales.</u>							
Africa:—							
Natal	—	—	39,3	41,1	—	—	—
Pacific North:—							
Pelagic, Japan	41,6	42,2	42,1	41,9	—	—	41,4
Pelagic, U.S.S.R.	41,5	41,4	41,3	41,5	41,7	41,0	42,6
Japan coastal	40,8	40,2	41,3	40,5	39,8	40,2	41,9
<u>Minke whales.</u>							
Antarctic:—							
Pelagic whaling	28,2	27,8	27,8	27,3	26,7	28,0	—
Africa:—							
Natal	—	—	26,7	26,3	27,2	26,5	26,4
Brazil	27,9	28,7	28,3	28,7	28,4	29,3	27,6
North Atlantic and Arctic:—							
Newfoundland	—	—	—	—	—	21,3	22,5
<u>Sperm whales.</u>							
Antarctic:—							
Pelagic whaling	45,2	45,0	42,8	42,2	44,3	44,7	43,4

Cont. next p.

Table h cont.

Species of whales and whaling grounds	1977	1976	1975	1974	1973	1972	1971
	Engl.ft.	Engl.ft.	Engl.ft.	Engl.ft.	Engl.ft.	Engl.ft.	Engl.ft.
Africa:—							
Natal	—	—	35,2	35,8	36,1	37,8	35,8
South Atlantic, pelagic	41,6	38,7	38,5	38,5	35,9	41,1	41,2
Brazil	32,4	34,6	31,5	31,1	31,3	35,7	26,2
North Atlantic and Arctic:—							
Norway	—	—	—	—	—	—	—
Iceland	47,2	47,9	49,2	50,0	49,5	49,4	50,4
Nova Scotia	—	—	—	—	—	45,8	47,4
Pacific North:—							
California	—	—	—	—	—	—	38,4
Pelagic, Japan	39,8	38,4	40,2	42,5	43,3	44,8	45,5
Pelagic, U.S.S.R.	38,5	37,7	36,6	36,5	36,6	43,1	42,1
Japan coastal	35,9	35,5	35,9	35,4	35,8	36,4	37,1
South Pacific Ocean, pelagic ..	34,6	36,1	37,8	35,3	35,7	41,5	40,4
Indian Ocean, pel	39,9	37,4	37,4	41,6	36,5	40,8	40,5
Australia	41,2	40,0	38,1	38,7	40,0	40,9	43,3

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

Grounds.	Years.	Species of whales caught.							Oil production.	Expeditions.			
		Blue.	Fin.	Hump-back.	Sel.	Sperm.	Others.	Total of whales.		Shore stations.	Float-ing fac-tories.	Catch-ers.	
<i>North Atlantic and Arctic. Total</i>	1969	—	800	8	222	219	—	1,249	Barr. ¹⁾ 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	
	1973	—	269	9	139	47	1	465	14,692	1	—	4	
	1974	—	289	9	9	71	—	378	14,639	1	—	4	
	1975	—	246	9	141	37	—	433	13,147	1	—	4	
	1976	—	281	5	5	111	—	402	13,034	1	—	4	
	1977	—	153	10	132	110	—	405	9,417	1	—	4	
<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	
	1973	—	267	—	139	47	—	453	14,692	1	—	4	
	1974	—	285	—	9	71	—	365	14,639	1	—	4	
	1975	—	245	—	138	37	—	420	13,147	1	—	4	
	1976	—	275	—	3	111	—	389	13,034	1	—	4	
	1977	—	144	—	132	110	—	386	9,417	1	—	4	
<i>Greenland.</i>	1969	—	—	3	—	—	—	3	—	—	—	—	
	1970	—	—	—	1	—	—	1	—	—	—	—	
	1971	—	—	4	1	—	—	5	—	—	—	—	
	1972	—	1	3	—	1	—	5	—	—	—	—	
	1973	—	2	9	—	—	1	12	—	—	—	—	
	1974	—	4	9	—	—	—	13	—	—	—	—	
	1975	—	1	9	3	—	—	13	—	—	—	—	
	1976	—	6	5	2	—	—	13	—	—	—	—	
	1977	—	9	10	—	—	19	—	—	—	—		
<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	*)	267 ^{a)}	8,973	2	—	3	
<i>Pelagic.</i>	1970	—	19	—	—	—	—	19	300	—	—	1	

¹⁾ Barrel = 170 kg. (Barrel = abt. $\frac{1}{4}$ long ton). ²⁾ In addition minke whales — See table Z^a. ³⁾ Incl. of from minke whales.

Table j.—Azores.

Years	Species of whales caught.							Oil production. Barrels.	Expeditions. ¹⁾		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others.	Total of whales.		Shore stations.	Floating factories.	Catchers.
1969	-	-	-	-	145	-	145	3,999	-	-	-
1970	-	-	-	-	205	-	205	5,432	-	-	-
1971	-	-	-	-	286	-	286	6,984	-	-	-
1972	-	-	-	-	327	-	327	6,785	-	-	-
1973	-	-	-	-	311	-	311	7,627	-	-	-
1974	-	-	-	-	146	-	146	3,012	-	-	-
1975	-	-	-	-	150	-	150	2,915	-	-	-
1976	-	-	-	-	²⁾	-	²⁾	-	-	-	-
1977	-	-	-	-	²⁾	-	²⁾	-	-	-	-

¹⁾ Several small shore stations. ²⁾ No information.

Table k.—Madeira.

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	-	-	-	-	83	-	83	1,365	-	-	-
1970	-	-	-	-	44	-	44	861	-	-	-
1971	-	-	-	-	67	-	67	1,165	-	-	-
1972	-	-	-	-	63	-	63	1,299	-	-	-
1973	-	-	-	-	77	-	77	1,665	-	-	-
1974	-	-	-	-	88	-	88	1,669	-	-	-
1975	-	-	-	-	88	-	88	1,995	-	-	-
1976	-	-	-	-	²⁾	-	²⁾	-	-	-	-
1977	-	-	-	-	²⁾	-	²⁾	-	-	-	-

¹⁾ Several small shore stations. ²⁾ No information.

Table l.—Spain.

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	-	-	-	-	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⁾
1973	-	73	-	-	178	-	251	²⁾ 6,480	1	-	³⁾
1974	-	57	-	-	167	-	224	²⁾ 5,620	³⁾	-	³⁾
1975	-	-	-	-	-	-	³⁾	-	-	-	-
1976	-	-	-	-	-	-	³⁾	-	-	-	-
1977	-	-	-	-	-	-	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) —
1973	—	—	—	—	2,288	—	2,288	54,800	—	1) (2)	1) —
1974	—	—	—	—	1,258	—	1,258	39,231	—	1)	1)
1975	—	—	—	—	2,290	—	2,290	70,577	—	1)	1)
1976	—	—	—	—	2,162	—	2,162	59,820	—	1)	1)
1977	—	—	—	—	1,086	—	1,086	41,012	—	1)	1)

¹⁾ The material is included in the Antarctic statistics.

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
1973	—	1	—	490	—	—	491	1,626	—	—	1
1974	—	2	—	449	—	—	451	1,840	—	—	1
1975	—	1	—	275	—	—	276	708	—	—	1
1976 ³⁾	—	—	—	23	—	—	23	—	—	—	—
1977	—	—	—	—	—	—	1)	—	—	—	—

¹⁾ No information. ²⁾ No information. Oil produced of 148 sei whales. ³⁾ January — February 16 th.

Table n.—Africa.

Grounds.	Years.	Species of whales caught.							Oil production. ²⁾ Barrels.	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	
	1973	—	41	1	4	1,606	¹⁾ 6	1,658	40,704	1	—	6	
	1974	—	21	—	4	1,783	¹⁾ 9	1,817	41,648	1	—	6	
	1975	—	21	—	1	1,682	¹⁾ 3	1,707	36,588	1	—	5	

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. Barrels.	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	
<i>U.S.S.R. coastal</i>	1969	—	9	2	—	—	¹⁾ 139	150	—	—	—	—	
	1970	—	—	—	—	—	¹⁾ 146	146	—	—	—	—	
	1971	—	—	—	—	—	¹⁾ 150	150	—	—	—	—	
	1972	—	2	4	—	—	²⁾ 182	188	—	—	—	—	
	1973	—	3	—	—	—	³⁾ 175	178	—	—	—	—	
	1974	—	1	—	—	—	⁴⁾ 184	185	—	—	—	—	
	1975	—	1	—	—	—	⁵⁾ 173	174	—	—	—	—	
	1976	—	—	—	—	—	¹⁾ 163	163	—	—	—	—	
	1977	—	—	—	—	—	¹⁾ 186	186	—	—	—	—	
<i>U.S.A.</i>	1972	—	—	—	—	—	⁶⁾ 39	39	—	—	—	—	
	1973	—	—	—	—	—	⁷⁾ 37	37	—	—	—	—	
	1974	—	—	—	—	—	⁸⁾ 21	21	—	—	—	—	
	1975	—	—	—	—	—	⁷⁾ 15	15	—	—	—	—	
	1976	—	—	—	—	—	⁷⁾ 56	56	—	—	—	—	
	1977	—	—	—	—	—	⁷⁾ 29	29	—	—	—	—	
<i>Canada.</i>	1975	—	—	—	—	—	⁷⁾ 1	1	—	—	—	—	

¹⁾ Gray whales. ²⁾ 181 gray whales and 1 right whale. ³⁾ 173 gray whales and 2 right whales. ⁴⁾ 181 gray whales and 3 right whales. ⁵⁾ 171 gray whales and 2 right whales. ⁶⁾ 38 right whales and 1 gray whale. ⁷⁾ Right whales. ⁸⁾ 20 right whales and 1 gray whale.

Table p.—Japan.

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	—	76	—	466	3,668	¹⁾ 89	4,299	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
1973	—	43	—	43	2,436	¹⁾ 71	2,593	53,740	8	—	12
1974	—	24	—	48	2,361	¹⁾ 187	2,620	48,485	7	—	12
1975	—	11	—	30	2,307	¹⁾ 116	2,464	47,310	5	—	12
1976	—	—	—	—	2,487	¹⁾ 83	2,570	51,766	5	—	12
1977	—	—	—	—	2,017	¹⁾ 76	2,093	43,168	4	—	7

¹⁾ Bryde's whales.

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

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	—	576	—	3,591	3,000	—	7,167	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
1973	—	256	—	1,710	1,803	¹⁾ 2	3,771	106,406	—	3	22
1974	—	216	—	1,190	1,803	¹⁾ 522	3,731	108,352	—	3	21
1975	—	118	—	454	1,803	¹⁾ 688	3,063	82,683	—	3	18
1976	—	—	—	—	1,053	¹⁾ 578	1,631	37,529	—	1	9
1977	—	—	—	—	1,061	¹⁾ 424	1,485	40,471	—	1	8

¹⁾ Bryde's whales.

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

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	—	593	—	1,091	8,211	—	9,895	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
1973	—	161	—	103	4,329	¹⁾ 656	5,249	111,970	—	3	46
1974	—	173	—	42	3,963	¹⁾ 654	4,832	103,534	—	2	29
1975	—	33	—	24	3,750	¹⁾ 629	4,436	89,247	—	2	26
1976	—	—	—	—	3,671	¹⁾ 679	4,350	102,142	—	2	31
1977	—	—	—	—	3,266	¹⁾ 275	3,541	95,789	—	2	24

¹⁾ Bryde's whales.

Table s.—Brazil.

Years.	Species of whales caught.							Oil production. ²⁾ Barrels.	Expeditions.		
	Blue.	Fin.	Hump-back.	Sei.	Sperm.	Others. ¹⁾	Total of whales.		Shore stations.	Floating factories.	Catchers.
1969	—	—	—	62	75	—	137	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
1973	—	—	—	7	75	—	82	4,874	1	—	1
1974	—	—	—	3	29	—	32	4,545	1	—	1
1975	—	—	—	3	54	—	57	6,148	1	—	1
1976	—	—	—	3	9	—	12	4,423	1	—	1
1977	—	—	—	5	25	—	30	5,355	1	—	³⁾ 2

¹⁾ In addition minke whales — see table Z³. ²⁾ Incl. oil from minke whales. ³⁾ 2 catchers for part of the season only.

Table t.—Peru.

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	—	74	—	784	1,447	—	2,305	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
1973	—	11	—	19	1,497	²⁾ 311	1,838	27,441	1	—	4
1974	—	5	—	347	1,286	²⁾ 174	1,812	22,856	1	—	3
1975	—	5	—	545	793	—	1,343	17,283	1	—	3
1976	—	8	—	262	1,500	²⁾ 148	1,918	29,518	¹⁾	—	¹⁾
1977	—	2	—	5	799	²⁾ 387	1,193	17,488	1	—	¹⁾

¹⁾ No information. ²⁾ Bryde's whales.

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.
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	—	—	—	15	337	—	352	³⁾	—	—	—
1973	—	—	—	14	232	—	246	³⁾	—	—	—
1974	—	2	—	32	130	—	164	³⁾	—	—	—
1975	—	—	—	58	48	—	106	³⁾	—	—	—
1976 ⁴⁾	—	—	—	1	61	—	62	³⁾	—	—	—
1977 ³⁾	—	—	—	—	—	—	—	—	—	—	—

¹⁾ Calculated. ²⁾ In addition 1 killer whale. ³⁾ No information. ⁴⁾ January — April 1976.

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

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	—	—	—	—	—	—	—	—	—	—	—
1970	—	—	—	—	156	—	156	5,289	—	²⁾ (1)	²⁾ —
1971	3	—	—	—	732	³⁾ 1	736	21,892	—	²⁾ (2)	²⁾ —
1972	—	—	—	—	971	—	971	31,384	—	²⁾ (2)	²⁾ —
1973	—	—	—	—	1,730	—	1,730	37,411	—	²⁾ (2)	²⁾ —
1974	—	—	—	—	1,407	—	1,407	29,082	—	²⁾	²⁾ —
1975	—	—	—	—	1,685	—	1,685	47,135	—	²⁾	²⁾
1976	—	—	—	—	1,284	—	1,284	30,782	—	²⁾	²⁾
1977	—	—	—	—	192	—	192	5,133	—	²⁾	²⁾

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

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	—	—	—	1,564	³⁾ 2	1,571	43,366	—	²⁾ (5)	²⁾ —
1972	—	—	—	—	1,691	—	1,691	48,131	—	²⁾ (4)	²⁾ —
1973	—	—	—	—	522	—	522	10,906	—	²⁾ (1)	²⁾ —
1974	—	—	—	—	723	—	723	23,823	—	²⁾	²⁾ —
1975	—	—	—	—	793	—	793	21,153	—	²⁾	²⁾
1976	—	—	—	—	771	—	771	19,239	—	²⁾	²⁾
1977	—	—	—	—	795	—	795	29,324	—	²⁾	²⁾

¹⁾ Catch by fl. factories outside the Antarctic grounds. ²⁾ Incl. in the Antarctic statistics. ³⁾ Bryde's whales.

Table x.—Australia.

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	—	—	—	—	679	—	679	27,045	1	—	3
1970	—	—	—	—	799	—	799	33,307	1	—	3
1971	—	—	—	—	860	—	860	34,894	1	—	3
1972	—	—	—	—	953	—	953	34,590	1	—	3
1973	—	—	—	—	971	—	971	33,415	1	—	3
1974	—	—	—	—	1,080	—	1,080	33,002	1	—	3
1975	—	—	—	—	1,172	—	1,172	34,610	1	—	3
1976	—	—	—	—	995	—	995	33,773	1	—	3
1977	—	—	—	—	624	—	624	23,123	1	—	3

Table y.—Republic of Korea.

Years	Species of whales caught							Oil production Barrels ¹⁾	Expeditions ¹⁾		
	Blue	Fin	Hump-back	Sei	Sperm	Others	Total of whales		Shore stations	Floating fact.	Catchers.
1965	—	17	—	—	—	—	17				
1966	—	14	—	—	—	—	14				
1967	—	20	—	—	—	—	20				
1968	—	25	—	3	—	—	28				
1969	—	35	—	—	—	—	35				
1970	—	25	—	—	—	—	25				
1971	—	25	—	—	—	—	25				
1972	—	1	—	—	—	—	1				
1973	—	4	—	—	—	—	4				
1974	—	52	—	—	—	—	52				
1975	—	13	—	—	—	—	13				
1976 ¹⁾											
1977 ¹⁾											

¹⁾ No information.

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

		Whale meal, bone meal	Whale liver	Liver oil Mill. Units Vitamin A	Whale meat, blubber, ventral grooves	Whale solubles	Other products
		L. tons	L. tons		L. tons	L. tons	L. tons
1968–69	..... Total	49,705	1,964	¹⁾ 9,637,000	159,021	5,934	24,140
1969–70	..... »	45,183	1,887	²⁾ 11,346,000	163,458	8,438	24,117
1970–71	..... »	38,852	1,778	11,049,000	158,644	9,282	16,308
1971–72	..... »	41,127	1,829	4,393,000	158,405	5,801	2,361
1972–73	..... »	38,161	1,686	5,613,000	127,949	5,772	16,129
1973–74	..... »	37,907	1,826	6,118,000	134,514	5,721	4,494
1974–75	..... »	35,459	1,700	5,795,000	128,988	3,917	1,719
1975–76	..... »	24,629	1,737	3,819,000	90,895	2,508	1,537
1976–77	..... »	20,877	1,302	148 l.t.	89,506	1,726	1,289

Cont. next p.

Table Z¹ cont.

	Whale meal, bone meal	Whale liver	Liver oil Mill. Units Vitamin A	Whale meat, blubber, ventral grooves	Whale solubles	Other products
<i>Summary by grounds:</i>						
1975/76						
Antarctic	7,982	1,737	- ³⁾	66,308	-	155
Brazil	332	-	- ³⁾	2,174	-	-
North Atlantic and Arctic:						
Azores ⁴⁾						
Madeira ⁴⁾						
Spain ⁴⁾						
Iceland	1,492	-	-	3,592	-	46
Greenland ⁴⁾						
North Pacific Ocean, pel.						
Japan	264	-	-	6,227	-	4
U.S.S.R.	3,423	-	3,819,000	5,587	-	103
Japan, coastal	7,402	-	-	4,979	-	1,029
U.S.A., coastal ⁴⁾						
U.S.S.R., coastal ⁴⁾						
Peru	2,362	-	-	2,028	-	200
Chile ⁴⁾						
Australia	1,372	-	-	-	2,508	-
South Atlantic Ocean ⁴⁾ .						
Total	24,629	1,737	3,819,000	90,895	2,508	1,537
1976/77						
Antarctic, pelagic ⁵⁾	6,565	1,302	-	66,447	-	213
Brazil ³⁾	557	-	-	1,845	-	105
North Atlantic and Arctic:						
Azores ⁴⁾						
Madeira ⁴⁾						
Spain ⁴⁾						
Iceland	1,123	-	-	3,508	-	35
Greenland ⁴⁾						
North Pacific Ocean, pel.						
Japan	262	-	-	5,822	-	5
U.S.S.R.	3,245	-	148 l.t.	5,339	-	11
Japan coastal	6,618	-	-	4,652	-	920
U.S.A., coastal ⁴⁾						
U.S.S.R., coastal ⁴⁾						
Peru	1,464	-	-	1,893	-	-
Chile ⁴⁾						
Australia	1,043	-	-	-	1,726	-
South Atlantic Ocean ⁴⁾						
Total	20,877	1,302	148 l.t.	89,506	1,726	1,289

¹⁾ In addition 21 tons. ²⁾ In addition 10 tons. ³⁾ Inclusive products from minke whales. ⁴⁾ No information. ⁵⁾ Inclusive products from minke whales and whales caught north of 40° S.

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

Years countries	Species of whales caught								
	Minke whales	Bottle- nosed whales	Pilot whales	Killer whales	White whales	Baird's beaked whales	Nar- whal	Common porp.	Others
1969	4,111	486	1,552	248	1,333	138	246	1,339	56
1970	4,539	536	738	277	1,827	113	505	7,184	486,091
1971	4,787	213	1,215	94	750	118	262	5,420	315,006
1972	7,927	19	603	50	1,207	86	120	8,647	340,417
1973	10,438	30	1,191	25	1,607	32	546	18,378	199,405
1974	11,649	4	807	60	1,416	32	460	3,796	116,818
1975	11,221	3	1,349	49	721	46	372	5,827	175,805
1976	9,682	1	660	17	1,588	13	406	5,919	138,652
1977	11,365	2	1,040	53	1,324	44	497	4,320	67,755
1969.									
Bahamas	3	-	-	-	-	-	-	-	-
Brazil	617	-	-	-	-	-	-	-	-
Canada	50	-	-	-	355	-	25	-	-
Denmark:									
Faroe Islands	-	-	1,395	-	-	-	-	-	-
Greenland ...	263	-	-	1	978	-	221	1,339	-
Japan	272	-	130	16	-	138	-	-	56
Norway	2,391	485	27	231	-	-	-	-	-
Rep. of Korea ..	386	-	-	-	-	-	-	-	-
South Africa ..	112	-	-	-	-	-	-	-	-
U.S.S.R.	17	1	-	-	-	-	-	-	-
Total	4,111	486	1,552	248	1,333	138	246	1,339	56
1970.									
Bahamas	1	-	-	-	-	-	-	-	-
Brazil	701	-	-	-	-	-	-	-	-
Canada	86	-	155	-	411	-	88	-	-
Denmark:									
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	-	-	-	-	-
Rep. of Korea ..	715	-	-	-	-	-	-	-	-
South Africa ..	171	-	-	-	-	-	-	-	-
U.S.A.	-	-	-	-	-	-	-	6,000 ¹⁾	484,000
Other nations ..	-	-	-	-	-	-	-	-	2,000
U.S.S.R.	30	-	-	7	-	-	-	-	-
Total	4,539	536	738	277	1,827	113	505	7,184	486,091
1971.									
Brazil	900	-	-	-	-	-	-	-	-
Canada	73	-	-	2 ²⁾	13	-	30	-	-
Denmark:									
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	-	-	-	-	-
Rep. of Korea ..	730	-	-	-	-	-	-	-	-
South Africa ..	204	-	-	-	-	-	-	-	-
U.S.A.	-	-	-	-	-	-	-	4,100 ¹⁾	305,900
Other nations ..	-	-	-	-	-	-	-	-	9,000
U.S.S.R.	40	-	2	9	-	-	-	-	-
Total	4,787	213	1,215	94	750	118	262	5,420	315,006

Cont. next p.

Table Z² cont.

Years countries	Species of whales caught								
	Minke- whales	Bottle- nosed whales	Pilot whales	Killer whales	White- whales	Baird's beaked whales	Nar- whal	Common porp.	Others
1972.									
Brazil	702	-	-	-	-	-	-	-	-
Canada	97	-	-	-	2)181	-	-	-	-
Denmark:									
Faroe Islands	-	-	511	-	-	-	-	-	-
Greenland ...	145	-	1	-	841	-	120	1,047	-
Iceland	35	-	-	-	-	-	-	-	-
Japan	3,354	-	91	3	-	86	-	-	17
Norway	2,650	17	-	28	-	-	-	-	-
Rep. of Korea .	767	-	-	-	-	-	-	-	-
Somali Republic	1	-	-	-	-	-	-	-	-
South Africa ..	135	-	-	17	-	-	-	-	-
U.S.A.	-	-	-	-	185	-	-	7,600 ¹⁾	298,400
Other nations ..	-	-	-	-	-	-	-	-	42,000
U.S.S.R.	41	2	-	2	-	-	-	-	-
Total	7,927	19	603	50	1,207	86	120	8,647	340,417
1973.									
Brazil	650	-	-	-	-	-	-	-	-
Canada	-	-	-	-	538	-	341	-	-
Denmark:									
Faroe Islands	-	-	1,050	1	-	-	-	-	-
Greenland ...	268	-	-	-	1,069	-	205	778	2
Great Britain .	-	-	64	-	-	-	-	-	-
Iceland	122	-	-	-	-	-	-	-	-
Japan	2,633	-	77	-	-	32	-	-	2
Norway	2,055	3	-	1	-	-	-	-	-
Rep. of Korea .	882	-	-	-	-	-	-	-	-
Somali Republic	2	-	-	-	-	-	-	-	-
South Africa ..	173	-	-	8	-	-	-	-	1
U.S.A.	-	-	-	-	-	-	-	17,600 ¹⁾	157,400
Other nations ..	-	-	-	-	-	-	-	-	42,000
U.S.S.R.	3,653	27	-	15	-	-	-	-	-
Total	10,438	30	1,191	25	1,607	32	546	18,378	199,405
1974.									
Brazil	765	-	-	-	-	-	-	-	-
Canada ³⁾	-	-	-	-	509	-	291	-	-
Denmark:									
Faroe Islands	-	-	673	-	-	-	-	-	4
Greenland ..	204	-	-	2	907	-	169	596	13
Great Britain .	-	-	71	-	-	-	-	-	-
Iceland	90	-	-	-	-	-	-	-	-
Japan	4,085	-	62	2	-	32	-	-	1
Norway	1,820	-	1	6	-	-	-	-	-
Rep. of Korea .	566	-	-	-	-	-	-	-	-
Somali Republic	2	-	-	-	-	-	-	-	-
South Africa ..	117	-	-	2	-	-	-	-	-
U.S.A.	-	-	-	-	-	-	-	3,200 ¹⁾	95,800
Other nations ..	-	-	-	-	-	-	-	-	21,000
U.S.S.R.	4,000	4	-	48	-	-	-	-	-
Total	11,649	4	807	60	1,416	32	460	3,796	116,818

Cont. next p.

Table Z² cont.

Years countries	Species of whales caught								
	Minke- whales	Bottle- nosed whales	Pilot whales	Killer whales	White- whales	Baird's beaked whales	Nar- whal	Common porp.	Others
1975.									
Brazil	1,039	-	-	-	-	-	-	-	-
Canada	-	-	-	-	321	-	251	-	-
Denmark:									
Faroe Islands	-	-	1,080	-	-	-	-	-	-
Greenland ..	171	-	81	-	400	-	121	627	-
Great Britain ..	-	-	135	-	-	-	-	-	-
Iceland	181	-	-	-	-	-	-	-	-
Japan	3,869	-	53	3	-	46	-	-	5
Norway	1,788	-	-	2	-	-	-	-	-
Rep. of Korea .	561	-	-	-	-	-	-	-	-
Somali Republic	2	-	-	-	-	-	-	-	-
South Africa ..	110	-	-	4	-	-	-	-	-
U.S.A.	-	-	-	-	-	-	-	5,200 ¹⁾	128,800
Other nations ..	-	-	-	-	-	-	-	-	47,000
U.S.S.R.	3,500	3	-	40	-	-	-	-	-
Total	11,221	3	1,349	49	721	46	372	5,827	175,805
1976.									
Brazil	776	-	-	-	-	-	-	-	-
Canada	-	-	-	-	529	-	300	-	-
Denmark:									
Faroe Islands	-	-	531	-	-	-	-	-	44
Greenland ...	169	-	1	-	1 059	-	106	519	5
Great Britain ..	-	-	117	-	-	-	-	-	-
Iceland	197	-	-	-	-	-	-	-	-
Japan	3,377	-	11	1	-	13	-	-	3
Norway	2,146	-	-	-	-	-	-	-	-
Rep. of Korea ⁴⁾ .	-	-	-	-	-	-	-	-	-
Somali Republic ⁴⁾	-	-	-	-	-	-	-	-	-
U.S.A.	-	-	-	-	-	-	-	5,400 ¹⁾	98,600
Other nations ..	-	-	-	-	-	-	-	-	40,000
U.S.S.R.	3,017	1	-	16	-	-	-	-	-
Total	9,682	1	660	17	1,588	13	406	5,919	138,652

Cont. next p.

Table Z² cont.

Years countries	Species of whales caught								
	Minke- whales	Bottle- nosed whales	Pilot whales	Killer whales	White- whales	Baird's beaked whales	Nar- whal	Common porp.	Others
1977									
Brazil	1,000	—	—	—	—	—	—	—	—
Canada	—	—	—	14	620	—	263	—	—
Denmark:									
Faroe Islands	—	—	898	—	—	—	—	—	—
Greenland . . .	251	—	71	2	704	—	234	1,010 ⁵⁾	84
Great Britain . .	—	—	65	—	—	—	—	—	—
Iceland	194	—	—	—	—	—	—	—	—
Japan	4,198	—	6	1	—	44	—	—	1
Norway	1,772	—	—	7	—	—	—	—	—
Rep. of Korea ⁴⁾ .	—	—	—	—	—	—	—	—	—
USA	—	—	—	—	—	—	—	3,310	¹⁾ 23,690
Other nations . .	—	—	—	—	—	—	—	—	44,000
U.S.S.R.,	3,950	2	—	29	—	—	—	—	—
Total	11,365	2	1,040	53	1,324	44	497	4,320	67,775
1978 ⁶⁾									
Japan	2,400	—	—	—	—	—	—	—	—
U.S.S.R.	2,600	3	—	77	—	—	—	—	—

¹⁾ See Introduction. ²⁾ Data incomplete. ³⁾ According to International Fisheries and Marine Directorate represent all figures confirmed landings. Totals do not include abandoned animals and cripple losses. Realistic totals would be obtained by multiplying the narwhal numbers by 2 and the beluga numbers by 1.5 e.g. 582 narwhal and 764 beluga. See also Introduction to No. LXXIII page 11. ⁴⁾ No information. ⁵⁾ Others or unspecified. ⁶⁾ Antarctic 1977/78.

**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	64	559	1,077	246	362	42	—	—	—	2,362
	1972	—	—	—	63	791	1,370	164	239	23	—	—	—	2,650
	1973	—	—	—	27	395	1,086	158	389	—	—	—	—	2,055
	1974	—	—	—	42	369	921	153	335	—	—	—	—	1,820
	1975	—	—	—	50	258	1,004	163	313	—	—	—	—	1,788
	1976	—	—	—	13	450	1,294	76	307	—	—	—	—	⁶⁾ 2,146
	1977	—	—	—	11	576	1,086	29	41	—	—	—	—	¹⁰⁾ 1,772
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
	1973	—	—	—	23	172	153	14	30	—	—	—	—	392
	1974	—	—	—	27	230	116	31	45	—	—	—	—	449
	1975	—	—	—	44	91	115	35	70	—	—	—	—	355
	1976	—	—	—	13	73	81	12	34	—	—	—	—	213
	1977	—	—	—	11	181	311	2	—	—	—	—	—	¹¹⁾ 513
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
	1973	—	—	—	3	195	844	—	—	—	—	—	—	1,042
	1974	—	—	—	—	129	721	—	—	—	—	—	—	850
	1975	—	—	—	—	141	794	—	—	—	—	—	—	935
	1976	—	—	—	—	337	1,148	—	—	—	—	—	—	⁷⁾ 1,489
	1977	—	—	—	—	374	751	2	—	—	—	—	—	¹²⁾ 1,148
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
	1973	—	—	—	1	28	89	144	359	—	—	—	—	621
	1974	—	—	—	15	10	84	122	290	—	—	—	—	521
	1975	—	—	—	6	26	95	128	243	—	—	—	—	498
	1976	—	—	—	—	40	65	64	273	—	—	—	—	⁸⁾ 444
	1977	—	—	—	—	21	24	25	41	—	—	—	—	111
Antarctic ¹⁾	1969/70	—	—	—	—	—	—	—	—	—	—	—	1	1
	1970/71	—	—	—	15	17	—	—	—	—	—	—	—	32
Denmark:—														
Faroe Islands	1969	—	—	—	—	—	—	—	—	—	—	—	—	—
	1970	—	—	—	—	—	—	—	—	—	—	—	—	—
	1971	—	—	—	—	—	3 ²⁾	—	—	—	—	—	—	3
Greenland	1969	—	—	—	—	—	—	—	—	—	—	—	—	263
	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
	1973	2	3	2	17	24	46	52	39	21	36	18	8	268
	1974	—	—	—	10	15	14	29	39	28	40	26	3	204
	1975	—	—	1	2	10	16	27	29	26	46	14	—	171
	1976	—	8	2	3	18	19	27	19	24	33	16	—	169
	1977	—	5	9	8	26	46	36	35	30	29	7	1 ¹³⁾	251

Cont. next p.

Table Z³ cont.

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Iceland	1972	-	-	-	-	-	-	-	-	-	-	-	-	35
	1973	-	-	-	-	-	-	-	-	-	-	-	-	122
	1974	-	-	6	8	9	2	10	26	14	12	3	-	90
	1975	-	-	3	30	13	22	37	36	7	12	-	-	181
	1976	-	-	1	6	5	6	42	55	62	15	3	- ⁵⁾	197
	1977	-	-	3	14	34	37	73	33	-	-	-	-	194
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	
	1973	-	-	10	73	110	144	70	69	52	13	-	541	
	1974	-	-	9	56	89	33	81	72	30	2	-	372	
	1975	-	-	6	38	78	64	75	78	30	1	-	370	
	1976	-	-	-	94	61	45	69	52	39	-	-	360	
	1977	-	-	-	32	75	30	34	31	46	-	-	248	
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	
	1972/73	499	-	-	-	-	-	-	-	-	292	1301	2,092	
	1973/74	1043	549	7	-	-	-	-	-	-	905	1209	3,713	
	1974/75	947	321	-	-	-	-	-	-	-	944	1287	3,499	
	1975/76	185	1050	-	-	-	-	-	-	-	943	839	3,017	
	1976/77	2068	-	-	-	-	-	-	-	-	1736	146	3,950	
	1977/78	-	1343	-	-	-	-	-	-	-	135	922	2,400	
Brazil	1969	-	-	-	-	-	6	49	88	137	150	153	617	
	1970	-	-	-	-	-	8	99	135	154	148	136	701	
	1971	-	-	-	-	-	6	77	100	251	313	153	900	
	1972	-	-	-	-	-	5	22	84	165	187	178	702	
	1973	-	-	-	-	-	-	6	88	144	210	168	650	
	1974	-	-	-	-	-	7	69	131	191	184	128	765	
	1975	-	-	-	-	-	14	79	191	227	268	188	1,039	
	1976	-	-	-	-	-	8	84	154	223	208	99	776	
	1977	-	-	-	-	-	1	37	117	182	355	299	1,000	
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	
	1973	-	-	-	-	7	60	55	25	26	-	-	173	
	1974	-	-	-	9	21	11	27	20	27	-	-	117 ⁴⁾	
	1975	-	-	-	3	2	17	12	44	32	-	-	110	

Cont. next p.

Table Z³ cont.

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
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
	1972/73	1188	—	—	—	—	—	—	—	—	—	312	2153	3,653
	1973/74	496	351	110	—	—	—	—	—	—	—	1596	1447	4,000
	1974/75	575	1175	—	—	—	—	—	—	—	—	627	1123	3,500
	1975/76	833	605	—	—	—	—	—	—	—	—	272	1307	3,017
	1976/77	1324	487	—	—	—	—	—	—	—	—	—	2139	3,950
	1977/78	799	530	—	—	—	—	—	—	—	—	—	1271	2,600
Somali Rep. ²⁾														
South Atlantic . . .	1969	—	—	—	—	—	—	—	—	—	—	—	—	3
	1970	—	—	—	—	—	—	—	—	—	—	—	—	1
	1972	—	—	—	—	—	—	—	—	—	—	1	—	1
	1973	—	—	—	—	—	1	—	—	—	—	1	—	2
	1974	—	—	1	—	—	—	—	—	—	—	1	—	2
	1975	—	—	—	—	—	—	—	1	1	—	—	—	2
Republic of Korea . .														
	1969	—	—	—	—	—	—	—	—	—	—	—	—	386
	1970	—	—	—	—	—	—	—	—	—	—	—	—	715
	1971	—	—	—	—	—	—	—	—	—	—	—	—	730
	1972	—	—	—	—	—	—	—	—	—	—	—	—	767
	1973	—	—	—	—	—	—	—	—	—	—	—	—	882
	1974	—	—	—	—	—	—	—	—	—	—	—	—	566
	1975	—	—	—	—	—	—	—	—	—	—	—	—	561

¹⁾ Incl. catch north of 40° South. ²⁾ June-July. ³⁾ 1969 and 1970 — Bahamas. ⁴⁾ Incl. 2 lost. ⁵⁾ Incl. 21 without information of month. ⁶⁾ Incl. 6 without information of month. ⁷⁾ Incl. 4 without information of month. ⁸⁾ Incl. 2 without information of month. ⁹⁾ Incl. 2 without information of month. ¹⁰⁾ Incl. 29 without information of month. ¹¹⁾ Incl. 8 without information of month. ¹²⁾ Incl. 21 without information of month. ¹³⁾ Incl. 19 without information of month.

Table Z⁴. — Catch of Bottlenosed whales (*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
	1973	—	—	—	—	3	—	—	—	—	—	—	—	3
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
	1973	—	—	—	—	3	—	—	—	—	—	—	—	3
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
	1972/73	—	—	2	—	—	—	—	—	—	9	16	—	27
	1973/74	—	—	—	—	—	—	—	—	—	—	4	—	4
	1974/75	2	—	—	—	—	—	—	—	—	—	1	—	3
	1975/76	1	—	—	—	—	—	—	—	—	—	—	—	1
	1976/77	—	—	—	—	—	—	—	—	—	—	2	—	2
	1977/78	2	—	—	—	—	—	—	—	—	—	1	—	3

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
	1974	—	—	—	—	—	1	—	—	—	—	—	—	1
Of which:														
Coastal districts ...	1969	—	—	—	—	—	—	—	3	—	—	—	—	3
	1970	—	—	—	—	—	4	—	38	—	—	—	—	42
	1974	—	—	—	—	—	1	—	—	—	—	—	—	1
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
	1973	114	—	640	250	—	—	—	—	—	46	—	—	1,050
	1974	—	—	84	65	—	—	—	—	339	185	—	—	673
	1975	—	—	—	212	—	—	357	182	—	29	300	—	1,080
	1976	51	—	—	—	—	—	112	105	228	—	35	—	531
	1977	—	74	—	—	—	—	—	291	415	—	118	—	898
Greenland.....	1972	—	—	—	—	—	—	—	1	—	—	—	—	1
	1975	—	—	—	—	—	70	11	—	—	—	—	—	81
	1976	—	—	—	—	—	—	1	—	—	—	—	—	1
	1977	—	—	1	—	2	—	—	6	42	20	—	—	71
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
	1973	11	13	—	3	—	—	—	—	6	18	8	18	77
	1974	21	8	3	—	—	18	—	—	5	1	6	—	62
	1975	9	8	13	3	2	5	—	—	—	5	3	5	53
	1976	3	1	2	—	—	4	—	—	—	—	1	—	11
	1977	—	—	—	—	—	—	—	—	—	6	—	—	6
U.S.S.R.:—														
Antarctic	1970/71	1	—	—	—	—	—	—	—	—	—	—	1	2
British West Indies .	1973	—	—	—	—	—	—	—	—	—	—	—	—	64
	1974	—	—	—	—	—	—	—	—	—	—	—	—	71
	1975	—	—	—	—	—	—	—	—	—	—	—	—	135
	1976	—	—	—	—	—	—	—	—	—	—	—	—	117
	1977	—	—	—	—	—	—	—	—	—	—	—	—	65

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
	1973	—	—	—	—	1	—	—	—	—	—	—	—	1
	1974	—	—	—	—	6	—	—	—	—	—	—	—	6
	1975	—	—	—	—	2	—	—	—	—	—	—	—	2
	1977	—	—	—	—	2	5	—	—	—	—	—	—	7
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
	1973	—	—	—	—	1	—	—	—	—	—	—	—	1
	1974	—	—	—	—	6	—	—	—	—	—	—	—	6
	1975	—	—	—	—	2	—	—	—	—	—	—	—	2
	1977	—	—	—	—	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 ¹)	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
	1974	—	—	—	—	—	—	1	—	1	—	—	—	2
	1977	—	—	—	—	—	2	—	—	—	—	—	—	2
Faroe Islands	1971	—	—	—	—	—	—	—	—	—	—	—	—	1
Canada:—														
Newfoundland	1971	—	—	—	—	—	—	2	—	—	—	—	—	2
Eastern Arctic	1977	—	—	—	—	—	—	—	—	—	—	—	—	14
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
	1974	—	—	2	—	—	—	—	—	—	—	—	—	2
	1975	—	—	1	—	2	—	—	—	—	—	—	—	3
	1976	1	—	—	—	—	—	—	—	—	—	—	—	1
	1977	—	—	—	—	—	—	1	—	—	—	—	—	1

Cont. next p.

Table Z^e cont.

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Africa:—														
Natal.....	1972	—	—	—	2	10	—	—	—	5	—	—	—	17
	1973	—	—	—	—	—	—	6	2	—	—	—	—	8
	1974	—	—	—	—	—	—	2	—	—	—	—	—	2
	1975	—	—	—	2	—	—	2	—	—	—	—	—	4
U.S.S.R.:—														
Antarctic ¹⁾	1968/69	—	—	—	—	—	—	—	—	—	—	—	—	—
	1969/70	—	—	5	2	—	—	—	—	—	—	—	—	7
	1970/71	1	—	6	—	—	—	—	—	—	—	2	—	9
	1971/72	2	—	—	—	—	—	—	—	—	—	—	—	2
	1972/73	5	—	7	1	—	—	—	—	—	—	—	2	15
	1973/74	—	13	7	7	1	—	—	—	—	—	4	16	48
	1974/75	13	19	—	—	1	—	—	—	—	—	7	—	40
	1975/76	10	2	4	—	—	—	—	—	—	—	—	—	16
	1976/77	26	—	2	—	—	—	—	—	—	—	—	1	29
	1977/78	37	16	—	—	—	—	—	—	—	—	7	17	77

¹⁾ Incl. catch north of 40° South.

**Table Z¹. — Catch of White whales, (*Delphinapterus leucas*),
by months and whaling grounds.**

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Canada:—														
Total	1969	—	—	—	—	—	—	—	—	—	—	—	—	355
	1970	—	—	—	—	—	—	—	—	—	—	—	—	411
	1971	—	—	—	—	—	—	—	—	—	—	—	—	1) ¹⁾ 13
	1972	—	—	—	—	—	—	—	—	—	—	—	—	1) ¹⁾ 181
	1973	—	—	—	—	—	—	—	—	—	—	—	—	538
	1974	—	—	—	—	—	—	—	—	—	—	—	—	509
	1975	—	—	—	—	—	—	—	—	—	—	—	—	321
	1976	—	—	—	—	—	—	—	—	—	—	—	—	529
	1977	—	—	—	—	—	—	—	—	—	—	—	—	620
Of which:														
Western	1972	—	—	—	—	—	—	—	—	—	—	—	—	120
Arctic	1973	—	—	—	—	—	—	—	—	—	—	—	—	297
	1974	—	—	—	—	—	—	—	—	—	—	—	—	118
	1975	—	—	—	—	—	—	—	—	—	—	—	—	149
	1976	—	—	—	—	—	—	—	—	—	—	—	—	154
	1977	—	—	—	—	—	—	—	—	—	—	—	—	148
Eastern Arctic	1969	—	—	—	—	—	—	—	—	—	—	—	—	27
	1970	—	—	—	—	—	—	—	—	—	—	—	—	85
	1972	—	—	—	—	—	—	—	—	—	—	—	—	61
	1973	—	—	—	—	—	—	—	—	—	—	—	—	63
	1974	—	—	—	—	—	—	—	—	—	—	—	—	49
	1975	—	—	—	—	—	—	—	—	—	—	—	—	74
	1976	—	—	—	—	—	—	—	—	—	—	—	—	156
	1977	—	—	—	—	—	—	—	—	—	—	—	—	206
Hudson and James Bays	1969	—	—	—	—	—	—	—	—	—	—	—	—	328
	1970	—	—	—	—	—	—	—	—	—	—	—	—	326
	1971	—	—	—	—	—	—	—	—	—	—	—	—	13
	1973	—	—	—	—	—	—	—	—	—	—	—	—	178
	1974	—	—	—	—	—	—	—	—	—	—	—	—	342
	1975	—	—	—	—	—	—	—	—	—	—	—	—	98
	1976	—	—	—	—	—	—	—	—	—	—	—	—	219
	1977	—	—	—	—	—	—	—	—	—	—	—	—	266
Denmark:—														
Greenland	1969	—	—	—	—	—	—	—	—	—	—	—	—	978
	1970	403	80	55	200	263	24	7	20	70	259	26	9	1,416
	1971	21	94	64	119	146	17	4	4	—	192	60	16	737
	1972	93	57	10	97	178	40	—	2	2	228	118	16	841
	1973	89	143	156	144	136	9	—	2	1	159	214	16	1,069
	1974	81	114	64	163	200	3	10	2	5	203	43	19	907
	1975	7	15	2	83	120	2	—	14	2	117	32	6	400
	1976	693	96	25	77	72	3	—	—	—	81	1	11	1,059
	1977	125	51	43	88	118	2	7	8	37	189	26	8 ²⁾	704
U.S.A.:—														
Alaska	1972	—	—	—	—	—	—	—	—	—	—	—	—	2) ²⁾ 185

¹⁾ Data incomplete. ²⁾ Estimated annual catch. See introduction No. LXXI, page 27. ³⁾ Incl. 2 without information of month.

**Table Z⁶. — Catch of Baird's beaked whales (*Berardius bairdii*),
by months and whaling grounds.**

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
U.S.A.:—														
California	1969	-	-	-	-	-	-	-	-	-	-	-	-	-
	1970	-	-	-	-	-	-	-	-	-	-	-	-	-
Canada:—														
British Columbia..	1969	-	-	-	-	-	-	-	-	-	-	-	-	-
	1970	-	-	-	-	-	-	-	-	-	-	-	-	-
Japan:—														
Coastal districts ..	1969	-	-	-	-	-	14	22	30	33	21	15	3	138
	1970	3	-	-	-	-	4	37	32	18	18	1	-	113
	1971	-	-	-	-	2	6	32	27	29	18	4	-	118
	1972	-	-	-	-	-	12	11	17	16	9	15	6	86
	1973	-	-	-	-	-	-	6	7	4	2	11	2	32
	1974	-	-	-	-	-	-	8	12	12	-	-	-	32
	1975	-	-	-	-	1	-	19	18	2	6	-	-	46
	1976	-	-	-	-	-	-	7	4	-	2	-	-	13
	1977	-	-	-	-	-	-	15	7	8	14	-	-	44

**Table Z^a. — Catch of Narwhal, (*Monodon monoceros*),
by months and whaling grounds.**

Grounds	Year	Months												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Canada:—														
Total	1969	—	—	—	—	—	—	—	—	—	—	—	—	25
	1970	—	—	—	—	—	—	—	—	—	—	—	—	83-93
	1971	—	—	—	—	—	—	—	—	—	—	—	—	30
	1972	1)	—	—	—	—	—	—	—	—	—	—	—	
	1973	—	—	—	—	—	—	—	—	—	—	—	—	341
	1974	—	—	—	—	—	—	—	—	—	—	—	—	291
	1975	—	—	—	—	—	—	—	—	—	—	—	—	251
	1976	—	—	—	—	—	—	—	—	—	—	—	—	300
	1977	—	—	—	—	—	—	—	—	—	—	—	—	263
Of which:														
Western Arctic ...	1970	—	—	—	—	—	—	—	—	—	—	—	—	20-30
	1972	1)	—	—	—	—	—	—	—	—	—	—	—	
	1973	—	—	—	—	—	—	—	—	—	—	—	—	—
Eastern Arctic	1969	—	—	—	—	—	—	—	—	—	—	—	—	25
	1970	—	—	—	—	—	—	—	—	—	—	—	—	63
	1971	—	—	—	—	—	—	—	—	—	—	—	—	25
	1973	—	—	—	—	—	—	—	—	—	—	—	—	330
	1974	—	—	—	—	—	—	—	—	—	—	—	—	281
	1975	—	—	—	—	—	—	—	—	—	—	—	—	251
	1976	—	—	—	—	—	—	—	—	—	—	—	—	282
	1977	—	—	—	—	—	—	—	—	—	—	—	—	242
Hudson and James Bays	1971	—	—	—	—	—	—	—	—	—	—	—	—	5
	1973	—	—	—	—	—	—	—	—	—	—	—	—	11
	1974	—	—	—	—	—	—	—	—	—	—	—	—	10
	1976	—	—	—	—	—	—	—	—	—	—	—	—	18
	1977	—	—	—	—	—	—	—	—	—	—	—	—	21
Denmark:—														
Greenland	1969	79	21	27	22	10	19	7	11	1	1	22	—	220
	1970	137	5	43	28	40	26	46	48	8	5	29	2	417
	1971	71	28	26	32	14	8	23	19	1	—	9	1	232
	1972	9	9	5	16	28	8	5	5	6	1	26	2	120
	1973	38	27	28	22	21	3	2	5	—	19	29	11	205
	1974	16	8	15	13	39	13	1	21	5	7	26	5	169
	1975	17	20	14	28	2	—	1	7	5	17	7	3	121
	1976	14	5	28	1	18	5	—	8	6	—	13	8	106
	1977	19	9	9	9	24	10	7	34	5	6	87	15	234

¹⁾ No data.

**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	—	—	—	—	—	—	—	—	—	—	—	—	1339
	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
	1973	—	1	—	11	33	69	173	230	205	52	4	—	778
	1974	4	4	4	8	32	40	125	228	107	9	4	—	1) 596
	1975	—	—	—	3	11	116	152	143	154	43	—	5	627
	1976	—	—	—	7	23	80	90	158	133	23	3	2	519
	1977	1	—	4	5	10	33	46	314	203	70	2	2	2) 1,010
U.S.A. ³⁾	1970	—	—	—	—	—	—	—	—	—	—	—	—	6,000
	1971	—	—	—	—	—	—	—	—	—	—	—	—	4,100
	1972	—	—	—	—	—	—	—	—	—	—	—	—	7,600
	1973	—	—	—	—	—	—	—	—	—	—	—	—	17,600
	1974	—	—	—	—	—	—	—	—	—	—	—	—	3,200
	1975	—	—	—	—	—	—	—	—	—	—	—	—	5,200
	1976	—	—	—	—	—	—	—	—	—	—	—	—	5,400
	1977	—	—	—	—	—	—	—	—	—	—	—	—	3,310

¹⁾ Incl. 31 without information of month. ²⁾ Incl. 320 without information of month. ³⁾ See introduction.

**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
	1974	—	—	—	—	—	—	—	2	2	—	—	—	4
	1976	—	—	—	—	—	—	—	—	44	—	—	—	44
Greenland	1969	—	—	—	—	—	—	—	—	—	—	—	—	—
	1970	—	—	—	—	—	—	—	—	2	—	—	—	2
	1971	—	—	—	—	—	—	—	—	1	—	—	—	1
	1973	—	—	—	—	—	—	—	—	1	1	—	—	2
	1974	—	—	—	—	—	—	—	1	6	2	—	—	¹⁾ 13
	1976	1	—	—	—	—	—	—	3	1	—	—	—	5
	1977	—	—	—	—	—	—	—	40	23	10	2	—	²⁾ 84
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
	1973	—	—	—	—	—	—	—	—	—	—	2	—	2
	1974	—	—	—	—	—	—	—	1	—	—	—	—	1
	1975	—	—	1	1	—	2	—	—	—	—	—	1	5
	1976	—	—	—	—	—	—	—	—	—	2	—	1	3
	1977	—	—	—	—	—	—	—	—	1	—	—	—	1
Africa:—														
Natal	1973	—	—	1	—	—	—	1	—	—	—	—	—	2
U.S.A. ³⁾	1970	—	—	—	—	—	—	—	—	—	—	—	—	484,000
	1971	—	—	—	—	—	—	—	—	—	—	—	—	305,900
	1972	—	—	—	—	—	—	—	—	—	—	—	—	298,400
	1973	—	—	—	—	—	—	—	—	—	—	—	—	157,400
	1974	—	—	—	—	—	—	—	—	—	—	—	—	95,800
	1975	—	—	—	—	—	—	—	—	—	—	—	—	128,800
	1976	—	—	—	—	—	—	—	—	—	—	—	—	98,600
	1977	—	—	—	—	—	—	—	—	—	—	—	—	23,690
Other nations	1970	—	—	—	—	—	—	—	—	—	—	—	—	2,000
	1971	—	—	—	—	—	—	—	—	—	—	—	—	9,000
	1972	—	—	—	—	—	—	—	—	—	—	—	—	42,000
	1973	—	—	—	—	—	—	—	—	—	—	—	—	42,000
	1974	—	—	—	—	—	—	—	—	—	—	—	—	21,000
	1975	—	—	—	—	—	—	—	—	—	—	—	—	47,000
	1976	—	—	—	—	—	—	—	—	—	—	—	—	40,000
	1977	—	—	—	—	—	—	—	—	—	—	—	—	44,000
U.S.S.R.:—														
Antarctic	1969/70	1	—	—	—	—	—	—	—	—	—	—	—	1
Republic of Korea	1965	—	—	—	—	—	—	—	—	—	—	—	—	2
	1966	—	—	—	—	—	—	—	—	—	—	—	—	8
	1967	—	—	—	—	—	—	—	—	—	—	—	—	1
	1972	—	—	—	—	—	—	—	—	—	—	—	—	1

¹⁾ Incl. 4 without information of month. ²⁾ Incl. 9 without information of month. ³⁾ See introduction.

TABLES

Table 1 — Whaling in the Antarctic season 1976/77 and outside the Antarctic in 1977.

Geographical areas	Species of whales caught					Total of whales	Oil production Barrels	Expeditions		
	Fin	Sei	Bryde's	Sperm	Others			Shore stations	Float-ing fact.	Catch-ers
Antarctic, pelagic										
1976/77 season	—	1,858	—	2,002	¹⁾	3,860	²⁾ 137,460	—	4	43
Brazil	—	5	—	25	³⁾	30	²⁾ 5,355	1	—	2
North Atlantic and Arctic:-										
Azores ⁴⁾										
Madeira ⁴⁾										
Spain ⁴⁾										
Iceland	144	132	—	110	—	386	9,417	1	—	4
Greenland	9	—	—	—	⁵⁾ 10	19	—	—	—	—
North Pacific:-										
North Pacific and Bering										
Sea, pelagic										
Japan	—	—	424	1,061	—	1,485	40,471	—	1	8
U.S.S.R.	—	—	275	3,266	—	3,541	95,789	—	2	24
Japan coastal	—	—	76	2,017	—	2,093	43,168	4	—	7
U.S.A. coastal	—	—	—	—	⁶⁾ 29	29	—	—	—	—
U.S.S.R. coastal	—	—	—	—	⁷⁾ 186	186	—	—	—	—
Chile ⁴⁾										
Peru	2	5	387	799	—	1,193	17,488	1	—	⁴⁾
Australia.....	—	—	—	624	—	624	23,123	1	—	3
South Atlantic Ocean,										
pelagic ⁸⁾ ⁹⁾	—	—	—	1,086	—	1,086	41,012	}	(4)	
Indian Ocean, pelagic ⁸⁾ ..	—	—	105	795	—	900	30,636			
South Pacific Ocean,	—	—	120	192	—	312	6,209			
pelagic ⁸⁾										
Total	155	2,000	1,387	11,977	225	15,744	450,128	8	7	91

¹⁾ 7,900 minke whales, 29 killer whales and 2 Bottlenosed (tables Z²—Z¹¹). ²⁾ Including oil from small whales. ³⁾ 1,000 minke whales (tables Z²—Z¹¹). ⁴⁾ No information. ⁵⁾ Humpback whales. ⁶⁾ Bowhead — aboriginal catch. In addition 79 whales were reported struck and lost and 3 killed and lost. ⁷⁾ Gray whales — aboriginal catch. ⁸⁾ Antarctic pelagic expeditions before and/or after the Antarctic season 1976/77. See IWS No. LXXX — page 9 and Introduction to No. LXXXII. ⁹⁾ A combined floating factory/catcher shall have operated, but no information.

Table 2. — Japanese whaling in the Antarctic season 1976/77 and outside the Antarctic in 1977.

Geographical areas	Species of whales caught					Total of whales	Oil production Barrels	Expeditions		
	Fin	Sei	Bryde's	Sperm	Others			Shore stations	Float-ing fact.	Catch-ers
Antarctic, pelagic	—	1,237	—	129	¹⁾ —	1,366	²⁾ 37,067	—	2	18
North Pacific Ocean and Bering Sea, pelagic ...	—	—	424	1,061	—	1,485	40,471	—	1	8
Japan coastal	—	—	76	2,017	—	2,093	43,168	4	—	7
Indian Ocean, pelagic ³⁾ ..	—	—	105	68	—	173	3,042	—	—	—
South Pacific Ocean, pelagic ³⁾	—	—	120	37	—	157	1,891	—	—	—
Total	—	1,237	725	3,312	—	5,274	125,639	4	3	33

¹⁾ 3,950 minke whales. ²⁾ Including oil from small whales. ³⁾ Antarctic pelagic expeditions on voyage to and from the Antarctic in 1976/77 season.

Table 3. — Whaling of U.S.S.R. in the Antarctic season 1976/77 and outside the Antarctic in 1977.

Antarctic, pelagic	—	621	—	1,873	¹⁾ —	2,494	²⁾ 100,393	—	2	25
North Pacific Ocean and Bering Sea, pelagic ...	—	—	275	3,266	—	3,541	95,789	—	2	24
Coastal	—	—	—	—	³⁾ 186	186	—	—	—	—
South Atlantic Ocean, pelagic ⁴⁾	—	—	—	1,086	—	1,086	41,012	—	—	—
Indian Ocean, pelagic ⁴⁾ ..	—	—	—	727	—	727	27,594	—	—	—
South Pacific Ocean, pelagic ⁴⁾	—	—	—	155	—	155	4,318	—	—	—
Total	—	621	275	7,107	186	8,189	269,106	—	4	49

¹⁾ 3,950 minke whales, 29 killer whales and 2 bottlenosed. ²⁾ Including oil from small whales. ³⁾ Gray whales, aboriginal catch. ⁴⁾ Antarctic pelagic expeditions on voyage to and from the Antarctic 1976/77 season.

Table 4. Whaling results for the various countries in the Antarctic season 1976/77 and outside the Antarctic in 1977. (See foot-notes to tables 1, 2 and 3).

U.S.S.R.	—	621	275	7,107	186	8,189	269,106	—	4	49
Japan	—	1,237	725	3,312	—	5,274	125,639	4	3	33
Australia	—	—	—	624	—	624	23,123	1	—	3
Iceland	144	132	—	110	—	386	9,417	1	—	4
Brazil	—	5	—	25	—	30	5,355	1	—	2
Peru	2	5	387	799	—	1,193	17,488	1	—	¹⁾ —
Somali Rep. ¹⁾	—	—	—	—	—	—	—	—	—	—
Chile ¹⁾	—	—	—	—	—	—	—	—	—	—
Greenland	9	—	—	—	10	19	—	—	—	—
Portugal ¹⁾	—	—	—	—	—	—	—	—	—	—
Spain ¹⁾	—	—	—	—	—	—	—	—	—	—
U.S.A.	—	—	—	—	29	29	—	—	—	—
Total	155	2,000	1,387	11,977	225	15,744	450,128	8	7	91

¹⁾ No information.

Table 5. — Average size of whales caught in 1977.

Geographical areas Number of whales measured	Average size		
	Males	Females	Total animals
A. Fin whales.			
<i>North Atlantic and Arctic:</i>			
Iceland	58.4	60.6	59.6
Males 64 } Total 144			
Females 80 }			
B. Sei whales.			
Brazil	47.8	49.0	48.0
Males 4 } Total 5			
Females 1 }			
<i>North Atlantic and Arctic:</i>			
Iceland	42.5	45.1	44.2
Males 44 } Total 131			
Females 87 }			
C. Bryde's whales.			
<i>Pacific North:</i>			
North Pacific Ocean and Bering Sea, pelagic:			
Japan	41.2	42.0	41.6
Males 243 } Total 424			
Females 181 }			
U.S.S.R.	40.9	42.0	41.5
Males 127 } Total 275			
Females 148 }			
Japan, coastal	40.5	41.1	40.8
Males 40 } Total 76			
Females 36 }			
D. Minke whales.			
Brazil	26.9	28.4	27.9
Males 329 } Total 994			
Females 665 }			
<i>Pacific North:</i>			
Japan coastal	20.4	21.7	20.8
Males 161 } Total 248			
Females 87 }			
E. Sperm whales.			
Brazil	32.8	31.9	32.4
Males 13 } Total 25			
Females 12 }			
<i>North Atlantic and Arctic:</i>			
Iceland	47.2	—	47.2
Males 110			
<i>Pacific North:—</i>			
North Pacific Ocean and Bering Sea, pelagic			
Japan	42.0	34.4	39.8
Males 756 } Total 1,061			
Females 305 }			

Cont. next p.

Table 5 (continued).

Geographical areas Number of whales measured	Average size		
	Males	Females	Total animals
U.S.S.R. Males 1 781 } Total 3,266 Females 1 485 }	42.1	34.2	38.5
Japan, coastal Males 1 090 } Total 2,016 Females 926 }	36.9	34.6	35.9
<i>Australia</i> Males 508 } Total 624 Females 116 }	42.7	34.9	41.2
<i>South Atlantic Ocean, pelagic</i> Males 841 } Total 1,086 Females 245 }	43.7	34.6	41.6
<i>Indian Ocean, pelagic</i> Males 589 } Total 795 Females 206 }	41.6	35.0	39.9
<i>South Pacific Ocean, pelagic</i> Males 12 } Total 192 Females 180 }	36.7	34.5	34.6

Table 6.—Whales caught in 1977 by species, sex and size.

1. Brazil.

Sei whales.

Engl. feet	Number of		Total animals	Engl. feet	Number of		Total animals
	males	females			males	females	
46	1	—	1	Average size: } Per cent: }	Males:	47.8 feet	
47	1	—	1		Females:	49.0 »	
48	1	—	1		Total animals:	48.0 »	
49	—	1	1		Males:	80.0	
50	1	—	1		Females:	20.0	
Total	4	1	5				

Sperm whales.

30	4	3	7	Average size: } Per cent: }	Males:	32.8 feet
31	5	3	8		Females:	31.9 »
32	1	1	2		Total animals:	32.4 »
33	1	3	4		Males:	52.0
34	—	1	1		Females:	48.0
35	1	1	2			
51	1	—	1			
Total	13	12	25			

Minke whales.

22	—	1	1	Average size: } Per cent: }	Males:	26.9 feet
23	10	5	15		Females:	28.4 »
24	26	22	48		Total animals:	27.9 »
25	25	24	49		Males:	33.1
26	60	34	94		Females:	66.9
27	61	64	125			
28	102	175	277			
29	37	161	198			
30	8	128	136			
31	—	44	44			
32	—	5	5			
33	—	2	2			
Total	329	665	1) 994			

1) Excl. 6 whales lost.

Table 6 (continued).

**2. Iceland.
Fin whales.**

Engl. feet	Number of		Total animals	Engl. feet	Number of		Total animals
	males	females			males	females	
48	1	1	2	64	4	4	8
49	1	—	1	65	1	2	3
50	1	1	2	66	—	4	4
51	1	1	2	67	—	5	5
52	2	2	4	68	—	4	4
53	2	2	4	69	—	2	2
54	3	3	6	70	—	1	1
55	3	—	3				
56	6	5	11	Total	64	80	144
57	2	6	8				
58	7	6	13				
59	3	4	7	Average size: } Males: 58.4 feet			
60	11	9	20	} Females: 60.6 »			
61	9	7	16	} Total animals: 59.6 »			
62	3	5	8	Per cent: } Males: 44.4			
63	4	6	10	} Females: 55.6			

Sei whales.

35	1	1	2	47	2	12	14
37	1	1	2	48	1	7	8
38	3	2	5	49	—	6	6
39	3	2	5	50	—	2	2
40	1	2	3				
41	6	1	7	Total	44	87	1) 131
42	3	3	6				
43	10	5	15	Average size: } Males: 42.5 feet			
44	6	11	17	} Females: 45.1 »			
45	5	13	18	} Total animals: 44.2 »			
46	2	19	21	Per cent: } Males: 33.6			
				} Females: 66.4			

Sperm whales.

37	1	—	1	50	9	—	9
38	3	—	3	51	13	—	13
39	4	—	4	52	7	—	7
40	3	—	3	53	5	—	5
41	2	—	2	54	2	—	2
42	2	—	2	55	2	—	2
43	10	—	10	56	1	—	1
44	7	—	7				
45	5	—	5	Total	110	—	110
46	8	—	8				
47	8	—	8				
48	6	—	6	Average size: Males 47.2 feet			
49	12	—	12				

¹⁾ Excl. 1 whale lost.

3. North Pacific Ocean and Bering Sea, pelagic.

1. Japan.

Bryde's whales.

Engl. feet.	Number of		Total animals.	Engl. feet.	Number of		Total animals.
	males.	females.			males.	females.	
38	1	-	3	Average size: } Males: 41.2 feet Females: 42.0 » Total animals: 41.6 » Per cent: } Males: 57.3 Females: 42.7			
39	2	1	1				
40	75	42	117				
41	81	37	118				
42	48	30	78				
43	24	31	55				
44	9	27	36				
45	3	10	13				
46	-	3	3				
Total	243	181	424				

Sperm whales.

29	1	-	1	50	12	-	12
30	3	6	9	51	13	-	13
31	13	34	47	52	13	-	13
32	12	23	35	53	12	-	12
33	11	43	54	54	10	-	10
34	16	44	60	55	11	-	11
35	17	56	73	56	7	-	7
36	33	55	88	57	2	-	2
37	47	25	72	58	2	-	2
38	45	15	60	59	2	-	2
39	57	1	58				
40	52	3	55	Total	756	305	1,061
41	80	-	80				
42	54	-	54				
43	66	-	66				
44	50	-	50				
45	33	-	33	Average size: } Males: 42.0 feet Females: 34.4 » Total animals: 39.8 »			
46	26	-	26				
47	26	-	26				
48	17	-	17	Per cent: } Males: 71.3 Females: 28.7			
49	13	-	13				

Table 6 (continued).

2. U. S. S. R.

Bryde's whales.

Engl. feet	Number of		Total animals	Engl. feet	Number of		Total animals
	males	females			males	females	
34	—	2	2	Average size: } Males: 40.9 feet Females: 42.0 " Total animals: 41.5 "	Per cent: } Males: 46.2 Females: 53.8		
35	1	—	1				
36	—	1	1				
37	—	1	1				
38	1	2	3				
39	1	1	2				
40	57	34	91				
41	36	22	58				
42	17	22	39				
43	8	29	37				
44	6	14	20				
45	—	9	9				
46	—	6	6				
47	—	4	4				
48	—	1	1				
Total	127	148	275				

Sperm whales.

29	7	5	12	53	88	—	88
30	53	95	148	54	59	—	59
31	24	98	122	55	36	—	36
32	48	140	188	56	61	—	61
33	83	201	284	57	38	—	38
34	112	235	347	58	18	—	18
35	115	242	357	59	10	—	10
36	133	237	370	60	6	—	6
37	131	159	290	61	1	—	1
38	63	48	111				
39	71	21	92	Total	1,781	1,485	3,266
40	61	4	65				
41	58	—	58				
42	64	—	64				
43	83	—	83				
44	62	—	62				
45	55	—	55				
46	43	—	43				
47	44	—	44				
48	20	—	20				
49	42	—	42				
50	36	—	36				
51	35	—	35				
52	21	—	21				

Average size: } Males: 42.1 feet
Females: 34.2 "
Total animals: 38.5 "

Per cent: } Males: 54.5
Females: 45.5

Table 6 (continued).

**4. Japan. — Coastal.
Bryde's whales.**

Engl. feet	Number of		Total animals	Engl. feet	Number of		Total animals
	males	females			males	females	
35	3	4	7	45	3	2	5
36	2	2	4	46	—	1	1
37	2	2	4	47	—	2	2
38	2	—	2	Total	40	36	76
39	4	4	8	Average size: } Males: 40.5 feet Females: 41.1 " Total animals: 40.8 " Per cent: } Males: 52.6 Females: 47.4			
40	4	3	7				
41	6	2	8				
42	8	3	11				
43	3	6	9				
44	3	5	8				

Minke whales.

13	1	—	1	27	2	1	3
14	3	—	3	28	—	3	3
15	20	4	24	29	—	1	1
16	11	2	13	30	—	2	2
17	13	8	21	Total	161	87	248
18	11	9	20	Average size: } Males 20.4 feet Females 21.7 " Total animals 20.8 " Per cent: } Males 64.9 Females 35.1			
19	12	10	22				
20	8	5	13				
21	14	7	21				
22	4	5	9				
23	18	3	21				
24	23	7	30				
25	9	4	13				
26	12	16	28				

Sperm whales.

30	—	1	1	52	—	—	—
31	48	67	115	53	3	—	3
32	56	92	148	54	2	—	2
33	75	118	193	55	1	—	1
34	108	177	285	56	3	—	3
35	138	178	316	57	2	—	2
36	143	125	268	58	4	—	4
37	128	100	228	59	1	—	1
38	117	39	156	Total	1,090	926	¹⁾ 2,016
39	68	19	87	Average size: } Males: 36.9 feet Females: 34.6 " Total animals: 35.9 " Per cent: } Males: 54.1 Females: 45.9			
40	63	9	72				
41	44	1	45				
42	21	—	21				
43	18	—	18				
44	16	—	16				
45	15	—	15				
46	6	—	6				
47	4	—	4				
48	2	—	2				
49	3	—	3				
50	1	—	1				
51	—	—	—				

¹⁾ Excl. 1 whale lost.

Table 6 (continued).

5. Australia. Sperm whales.

Engl. feet	Number of		Total animals	Engl. feet	Number of		Total animals
	males	females			males	females	
30	1	—	1	47	28	—	28
31	—	3	3	48	23	—	23
32	5	7	12	49	19	—	19
33	7	16	23	50	19	—	19
34	8	18	26	51	17	—	17
35	10	30	40	52	7	—	7
36	13	24	37	53	1	—	1
37	26	11	37				
38	39	5	44	Total	508	116	624
39	38	2	40				
40	30	—	30				
41	28	—	28	Average size: }	Males: 42.7 feet		
42	35	—	35		Females: 34.9 "		
43	38	—	38		Total animals: 41.2 "		
44	43	—	43	Per cent: }	Males: 81.4		
45	40	—	40		Females: 18.6		
46	33	—	33				

6. South Atlantic Ocean. Pelagic. (70° W — 20° E) Sperm whales.

Engl. feet	Number of		Total animals	Engl. feet	Number of		Total animals
	males	females			males	females	
27	1	2	3	49	14	—	14
28	—	3	3	50	19	—	19
30	—	5	5	51	8	—	8
31	1	6	7	52	25	—	25
32	1	13	14	53	6	—	6
33	—	32	32	54	4	—	4
34	1	54	55	55	3	—	3
35	—	44	44	56	2	—	2
36	2	42	44				
37	1	25	26	Total	841	245	1,086
38	11	13	24				
39	27	6	33				
40	73	—	73	Average size: }	Males: 43.7 feet		
41	87	—	87		Females: 34.6 "		
42	101	—	101		Total animals: 41.6 "		
43	113	—	113	Per cent: }	Males: 77.4		
44	163	—	163		Females: 22.6		
45	126	—	126				
46	19	—	19				
47	15	—	15				
48	18	—	18				

Table 6 (continued).

7. Indian Ocean. (20° E — 150° E) Bryde's whales.
(Caught by special permit for scientific research purpose).

Engl. feet	Number of		Total animals	Engl. feet	Number of		Total animals
	males	females			males	females	
26	—	1	1	44	2	4	6
28	—	1	1	45	1	1	2
29	1	2	3	46	1	—	1
30	1	1	2	47	—	1	1
32	—	1	1				
33	1	—	1				
34	2	3	5	Total	61	44	105
35	4	2	6				
36	1	3	4				
37	1	3	4				
38	8	2	10	Average size: }	Males	39.5 feet	
39	3	2	5		Females	38.9 »	
40	13	1	14		Total animals	39.2 »	
41	10	1	11	Per cent: }	Males	58.1	
42	10	3	13		Females	41.9	
43	2	12	14				

Sperm whales.

				44	133	—	133
28	—	1	1	45	107	—	107
31	2	9	11	46	6	—	6
32	5	9	14	47	2	—	2
33	7	17	24	48	1	—	1
34	12	44	56	51	1	—	1
35	16	47	63				
36	32	39	71	Total	589	206	795
37	30	25	55				
38	31	12	43	Average size: }	Males:	41.6 feet	
39	23	3	26		Females:	35.0 "	
40	17	—	17		Total animals:	39.9 "	
41	38	—	38	Per cent: }	Males:	74.1	
42	62	—	62		Females:	25.9	
43	64	—	64				

Table 6 (continued).

8. South Pacific Ocean. Pelagic. (150°E - 70°W) Bryde's whales.

(Caught by special permit for scientific research purpose).

Engl. feet	Number of		Total animals	Engl. feet	Number of		Total animals
	males	females			males	females	
23	—	1	1	47	2	3	5
30	—	1	1	48	—	8	8
31	2	1	3	49	—	1	1
33	1	—	1	51	—	1	1
34	—	2	2				
37	—	1	1	Total	69	51	120
38	—	1	1				
40	4	1	5	Average size: } Males		43.0 feet	
41	1	1	2		} Females	43.6 »	
42	9	2	11		} Total animals	43.2 »	
43	18	4	22	Per cent: } Males	57.5		
44	21	8	29		} Females	42.5	
45	8	6	14				
46	3	9	12				

Sperm whales.

28	—	2	2	45	1	—	1
30	—	2	2	48	1	—	1
31	3	7	10	Total	12	180	192
32	1	13	14				
33	1	19	20	Average size: } Males:		36.7 feet	
34	—	49	49		} Females:	34.5 "	
35	—	36	36		} Total animals:	34.6 "	
36	—	33	33	Per cent: } Males:	6.2		
37	3	12	15		} Females:	93.8	
38	1	6	7				
40	1	1	2				

Table 6 (continued).

9. Peru.
(Length in meters.)

Meters	1976			1977		
	Number of			Number of		
	Sei whales	Bryde's whales	Sperm whales	Sei whales	Bryde's whales	Sperm whales
9	—	—	6	—	—	50
10	—	—	904	2	43	495
11	19	14	343	—	15	20
12	55	51	119	2	151	210
13	73	50	56	—	26	16
14	95	30	48	—	16	6
15	20	3	20	1	130	2
16	—	—	3	—	7	—
17	—	—	1	—	—	—
Total	262	148	1,500	5	388	799
Average size:	13.2 m.	12.7 m.	10.7 m.	11.8 m.	13.0 m.	10.6 m.

**Table 7.—Average production of oil per sperm whale
in 1977.**

Geographical areas.	Company.	Number of sperm whales.	Oil production.	
			Total.	Average per sperm whale
<i>Brazil</i>	No. 1	25	337	13.5
<i>North Atlantic and Arctic:</i> <i>Iceland</i>	" 1	110	4,707	42.8
<i>Pacific North:</i> <i>North Pacific Ocean and Bering Sea, pelagic:</i>				
<i>Japan</i>	" 1	1,061	36,294	34.2
<i>U.S.S.R.</i>	" 1	1,275	45,082	35.4
	" 2	1,991	49,413	24.8
Total		3,266	94,495	28.9
<i>Japan coastal</i>	No. 1	958	22,674	23.7
	" 2	42	802	19.1
	" 3	1,017	19,215	18.9
Total		2,017	42,691	21.2
<i>Australia</i>	No. 1	624	23,123	37.1
<i>Peru</i>	" 1	799	14,806	18.5
<i>South Atlantic Ocean, pelagic</i> ...	" 1	1,086	41,012	37.8
<i>Indian Ocean, pelagic</i>	" 1	68	1,730	25.4
	" 2	375	11,282	30.1
	" 3	352	16,312	46.3
Total		795	29,324	36.9
<i>South Pacific Ocean, pelagic</i>	No. 1	37	815	22.0
	" 2	155	4,318	27.9
Total		192	5,133	26.7

¹) Barrel = 170 kg. (Barrel = abt. 1/6 long ton = 1,016 kg.)

