

INTERNATIONAL  
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82  
LXXXII

EDITED BY  
THE COMMITTEE FOR WHALING STATISTICS



SANDEFJORD 1978

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## **PREFACE**

This publication, International Whaling Statistics No. LXXXII, embraces the results of the Antarctic whaling during the season 1977/78.

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

Sandefjord, November 1978.

*Einar Vangstein*



## INTRODUCTION

International Whaling Statistics publication No. LXXX gave details of catch by Antarctic pelagic expeditions in the Southern Hemisphere in the 1976/77 season.

On October 7, 1976 the Government of Japan issued a special permit to take for scientific research purposes not more than 240 Bryde's whales from the waters of the Southern Hemisphere in the 1976/77 season, and 225 Bryde's whales were taken north of 40°S. This catch was not notified to the Bureau of International Whaling Statistics, and is therefore not recorded in publication No. LXXX.

At the 29th meeting of the International Whaling Commission in 1977 the catch limits for baleen whales and sperm whales for the 1977/78 pelagic season and the 1978 coastal season for the Southern Hemisphere were set at:

Sei whales            771  
 Minke whales 5,690  
 Sperm whales 4,538 males and 1,370 females.

In addition to the above quotas the Government of Japan and the Government of the USSR issued special permits to take for scientific research purposes not more than 120 and 5 Bryde's whales respectively in the Southern Hemisphere 1977/78 season.

The quotas set for sei whales and minke whales were sub-divided on an Area basis. The total catches to be taken in any of the Areas I to VI should not exceed the limits shown below. However, in no circumstances should the sum of the Area catches exceed the total quotas for each species.

	Sei whales	Minke whales
Area I 120° W— 60° W .....	388	704
Area II 60° W— 0 .....	—	1,150
Area III 0 — 70° E .....	—	1,826
Area IV 70° E—130° E .....	460	963
Area V 130° E—170° W .....	—	930
Area VI 170° W—120° W .....	—	688
The total catch not to exceed .....	771	5,690

The quota set for sperm whales was sub-divided on a Division basis. The total catches in any of the Divisions 1 to 9 should not exceed the limits shown below. However, in no circumstances should the sum of the Division catches exceed the total quota.

		Male	Female
Division 1	60° W— 30° W .....	333	111
Division 2	30° W— 20° E .....	889	295
Division 3	20° E— 60° E .....	1,035	343
Division 4	60° E— 90° E .....	623	—
Division 5	90° E—130° E .....	590	195
Division 6	130° E—160° E .....	304	101
Division 7	160° E—170° W .....	257	143
Division 8	170° W—100° W .....	961	319
Division 9	100° W— 60° W .....	—	—
The total quota not to exceed .....		4,538	1,370

Other important regulations governing the pelagic whaling in the Antarctic in the 1977/78 season were the following:

1. The open season for the taking of sei whales comprised the period from December 12th to April 7th, both days inclusive.
2. The open season for the taking of sperm whales was restricted to 8 months out of any period of twelve months.
3. The open season for the taking of minke whales was restricted to 6 consecutive months out of any period of twelve months.
4. It was forbidden to take sei whales below 40 feet and sperm whales below 30 feet, also sperm whales over 45 feet in the Southern Hemisphere north of 40° South Latitude during the months of October to accompanied by calves.

January inclusive. Further it was forbidden to kill blue whales, fin whales, humpback whales, right whales, Bryde's whales and female whales.

The quotas set were by agreement between Japan, USSR, Brazil and Australia split into national quotas as follows:

	Sei whales	Minke whales	Sperm whales:		
			Male	Female	Total
Japan .....	460	2,400	704	226	930
USSR .....	311	2,600	3,291	950	4,241
Brazil (Division 2).....	—	690	7	17	24
Australia (Division 5) .....	—	—	536	177	713
<hr/>					
	771	5,690	4,538	1,370	5,908



In the 1977/78 Antarctic season 1 Japanese and 2 USSR expeditions operated with a total of 34 catchers. The catch amounted to:

	Sei whales	Minke whales	Sperm whales		
			Male	Female	Total
Japan .....	254	2,378	31	5	36
USSR .....	311	2,600	2,070	54	2,124
<b>Total .....</b>	<b>565</b>	<b>4,978</b>	<b>2,101</b>	<b>59</b>	<b>2,160</b>

In addition, the Antarctic pelagic expeditions caught 119 Bryde's whales (for scientific research purposes), 1,375 male sperm whales, 1,002 female sperm whales and 22 minke whales in the Southern Hemisphere north of 40° South.

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

	Sei whales	Bryde's whales	Minke whales	Sperm whales		
				Male	Female	Total
Japan .....	254	114	2,400	185	111	296
USSR .....	311	5	2,600	3,291	950	4,241
<b>Total .....</b>	<b>565</b>	<b>119</b>	<b>5,000</b>	<b>3,476</b>	<b>1,061</b>	<b>4,537</b>

The catch south of 40° South by Areas was:

	Sei whales	Minke whales	Sperm whales		
			Male	Female	Total
Area I.....	311	463	153	—	153
Area II.....	—	362	305	—	305
Area III.....	—	1,801	597	—	597
Area IV.....	254	963	283	—	283
Area V.....	—	868	200	5	205
Area VI.....	—	521	563	54	617
<b>Total .....</b>	<b>565</b>	<b>4,978</b>	<b>2,101</b>	<b>59</b>	<b>2,160</b>

The catch made by the Antarctic pelagic expeditions in the Southern Hemisphere north of 40° South by Areas before and/or after the 1977/78 pelagic season was:

	Minke whales	Bryde's whales	Sperm whales		
			Male	Female	Total
Area I.....	—	—	—	—	—
Area II.....	—	—	212	132	344
Area III.....	—	5	984	537	1,521
Area IV.....	—	—	3	—	3
Area V.....	16	114	109	96	205
Area VI.....	6	—	67	237	304
<b>Total</b> .....	<b>22</b>	<b>119</b>	<b>1,375</b>	<b>1,002</b>	<b>2,377</b>

As mentioned above the Bryde's whales were caught under special permit for scientific research purposes.

The catch of sperm whales north and south of 40° South by Antarctic pelagic expeditions was:

	Male	Sperm whales	
		Female	Total
Division 1 .....	325	94	419
Division 2 .....	731	292	1,023
Division 3 .....	753	283	1,036
Division 4 .....	531	—	531
Division 5 .....	44	—	44
Division 6 .....	80	—	80
Division 7 .....	229	101	330
Division 8 .....	783	291	1,074
Division 9 .....	—	—	—
<b>Total</b> .....	<b>3,476</b>	<b>1,061</b>	<b>4,537</b>

The average sizes (in English feet) of the different species and sexes of whales caught in the different Areas were as follows:

	Sei whales			Minke whales			Sperm whales		
	M	F	Total	M	F	Total	M	F	Total
Area I.....	48.6	51.3	50.2	28.1	29.3	28.9	48.1	—	48.1
Area II.....	—	—	—	27.9	29.1	28.7	48.4	—	48.4
Area III.....	—	—	—	27.6	28.9	28.5	47.6	—	47.6
Area IV.....	46.9	48.6	47.6	27.3	28.7	28.3	46.4	—	46.4
Area V.....	—	—	—	27.3	28.5	28.0	48.6	36.8	48.3
Area VI.....	—	—	—	26.7	27.1	26.9	44.9	35.2	44.1
<b>Total</b> .....	<b>47.7</b>	<b>50.3</b>	<b>49.0</b>	<b>27.4</b>	<b>28.8</b>	<b>28.3</b>	<b>47.0</b>	<b>35.3</b>	<b>46.7</b>

Table a shows the catch and production, table b and c catch by month, table d average size, table e whaling results for the various countries and table f the production of by-products. The tables also include data for

1971/72 — 1976/77 inclusive. Corresponding data for the seasons 1961/62 — 1970/71 will be found in publication No. LXVIII.

**Table a. - Pelagic whaling in the Antarctic.**

Years	Species of whales caught								Oil production Barrels	Expeditions	
	Blue	Fin	Hump- back	Sei/ Bryde's	Minke	Sperm	Others	Total		Floating factories	Catch- ers
1971/72	—	2,683	3	5,456	3,021	3,366		14,529	387,064	7	89 <sup>1)</sup>
1972/73	7	1,761	5	3,864	5,745	4,203		15,585	345,539	7	82
1973/74	—	1,288	—	4,392	7,713	4,927		18,320	334,065	8	78
1974/75	—	979	—	3,859	7,000	4,162		16,000	292,504	7	75
1975/76	—	206	—	1,821	6,034	2,829		10,890	180,076	5	56
1976/77	—	—	—	1,858	7,900	2,002		11,760	137,460	4	43
1977/78	—	—	—	565	4,978	2,160		7,703	130,004	3	34

<sup>1)</sup> Including 1 combined floating factory/catcher.

**Table b. - Antarctic, pelagic whaling, Catch by months in absolute figures**

Species of whales, and seasons		Nov.	Dec.	Jan.	Feb.	March	April	Total	Total including lost whales
Total animals	1971/72	321	4,093	4,828	2,982	2,021	267	14,512	14,526
	1972/73	846	5,737	4,508	2,342	1,650	486	15,569	15,573
	1973/74	2,579	4,748	4,695	3,146	2,327	818	18,313	18,320
	1974/75	1,607	3,920	4,301	2,846	2,082	1,243	15,999	16,000
	1975/76	1,318	3,007	2,398	2,482	1,409	274	10,888	10,890
	1976/77	1,738	3,184	2,598	3,225	797	218	11,760	11,760
	1977/78	120	2,468	1,741	2,506	868	—	7,703	7,703
	1971/72	—	153	604	1,061	861	4	2,683	2,683
Fin whales	1972/73	—	89	225	1,148	299	—	1,761	1,761
	1973/74	—	172	329	601	174	11	1,287	1,288
	1974/75	—	3	206	367	356	47	979	979
	1975/76	—	15	56	91	44	—	206	206
	1976/77	—	—	—	—	—	—	—	—
	1977/78	—	—	—	—	—	—	—	—
	1971/72	—	2,348	2,098	540	441	28	5,455	5,456
	Sei/Bryde's whales	1972/73	—	1,347	1,681	488	346	1	3,863
1973/74		—	1,294	1,518	1,408	159	7	4,386	4,392
1974/75		—	1,041	1,882	727	186	23	3,859	3,859
1975/76		—	458	769	438	151	3	1,819	1,821
1976/77		—	546	657	546	109	—	1,858	1,858
1977/78		—	16	237	198	114	—	565	565
1971/72		105	1,195	1,031	675	13	—	3,019	3,021
Minke whales		1972/73	604	3,453	1,687	—	—	—	5,744
	1973/74	2,501	2,656	1,539	900	117	—	7,713	7,713
	1974/75	1,571	2,410	1,522	1,496	—	—	6,999	7,000
	1975/76	1,263	2,098	1,018	1,655	—	—	6 034	6,034
	1976/77	1,736	2,285	1,324	2,555	—	—	7,900	7,900
	1977/78	113	2,193	799	1,873	—	—	4,978	4,978
	1971/72	216	397	1,095	706	706	235	3,355	3,366
	Sperm whales	1972/73	242	848	915	706	1,005	485	4,201
1973/74		78	626	1,309	237	1,877	<sup>1)</sup> 800	4,927	4,927
1974/75		36	466	691	256	1,540	<sup>2)</sup> 1,173	4,162	4,162
1975/76		55	436	555	298	1,214	271	2,829	2,829
1976/77		2	353	617	124	688	218	2,002	2,002
1977/78		7	259	705	435	754	—	2,160	2,160

<sup>1)</sup> Including 48 in May. <sup>2)</sup> Including 201 in May.

**Table c. - Antarctic, pelagic whaling. Catch by months in percentage figures.**

Species of whales. Seasons		Nov.	Dec.	Jan.	Feb.	March	April	Total	Total including lost whales
Total animals	1971/72	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	.....	.	.	.	.	.	.	.	.
Fin Whales	1971/72	—	3.7	12.5	35.6	42.6	1.5	18.5	18.5
	1972/73	—	1.5	5.0	49.0	18.1	—	11.3	11.3
	1973/74	—	3.6	7.0	19.1	7.5	1.3	7.0	7.0
	1974/75	—	—	4.8	12.9	17.1	3.8	6.1	6.1
	1975/76	—	0.5	2.3	3.7	3.1	—	1.9	1.9
	1976/77	—	—	—	—	—	—	—	—
	1977/78	—	—	—	—	—	—	—	—
Sei/Bryde's whales	1971/72	—	57.4	43.5	18.1	21.8	10.5	37.6	37.6
	1972/73	—	23.5	37.3	20.8	21.0	0.2	24.8	24.8
	1973/74	—	27.3	32.3	44.8	6.8	0.9	24.0	24.0
	1974/75	—	26.6	43.7	25.5	8.9	1.8	24.1	24.1
	1975/76	—	15.2	32.1	17.6	10.7	1.1	16.7	16.7
	1976/77	—	17.1	25.3	16.9	13.7	—	15.8	15.8
	1977/78	—	0.7	13.6	7.9	13.1	—	7.3	7.3
Minke whales	1971/72	32.7	29.2	21.4	22.6	0.7	—	20.8	20.8
	1972/73	71.4	60.2	37.4	—	—	—	36.9	36.9
	1973/74	97.0	55.9	32.8	28.6	5.0	—	42.1	42.1
	1974/75	97.8	61.5	35.4	52.6	—	—	43.8	43.8
	1975/76	95.8	69.8	42.5	66.7	—	—	55.4	55.4
	1976/77	99.9	71.8	51.0	79.2	—	—	67.2	67.2
	1977/78	94.2	88.8	45.9	74.7	—	—	64.6	64.6
Sperm whales	1971/72	67.3	9.7	22.6	23.7	34.9	88.0	23.1	23.1
	1972/73	28.6	14.8	20.3	30.2	60.9	99.8	27.0	27.0
	1973/74	3.0	13.2	27.9	7.5	80.7	97.8	26.9	26.9
	1974/75	2.2	11.9	16.1	9.0	74.0	94.4	26.0	26.0
	1975/76	4.2	14.5	23.1	12.0	86.2	98.9	26.0	26.0
	1976/77	0.1	11.1	23.7	3.9	86.3	100.0	17.0	17.0
	1977/78	5.8	10.5	40.5	17.4	86.9	—	28.1	28.1

**Table d. - Average size of whales killed in the Antarctic, by species of whales.**

	Fin whales			Sei whales			Minke whales			Sperm whales		
	Males Engl. feet	Fe- males Engl. feet	Total Engl. feet	Males Engl. feet	Fe- males Engl. feet	Total Engl. feet	Males Engl. feet	Fe- males Engl. feet	Total Engl. feet	Males Engl. feet	Fe- males Engl. feet	Total Engl. feet
1971/72 .....	64.3	67.0	65.7	46.4	47.9	47.1	27.3	28.5	28.0	45.0	37.5	44.7
1972/73 .....	64.7	67.7	66.2	46.9	48.2	47.5	26.3	27.1	26.7	45.1	34.8	44.3
1973/74 .....	63.9	66.8	65.5	47.1	48.8	47.9	26.5	27.8	27.3	44.7	34.7	42.2
1974/75 .....	64.5	67.4	66.0	47.3	48.5	47.8	26.9	28.3	27.8	44.9	34.5	42.8
1975/76 .....	64.2	67.6	65.9	47.2	48.5	47.8	27.2	28.3	27.8	46.5	35.0	45.0
1976/77 .....	—	—	—	47.0	48.6	47.7	27.4	28.7	28.2	46.0	34.1	45.2
1977/78 .....	—	—	—	47.7	50.3	49.0	27.4	28.8	28.3	47.0	35.3	46.7

**Table e. - Antarctic, pelagic whaling results for the various countries.**

	All countries			Japan			Norway			U.S.S.R.		
	Number of whales killed	Oil production	Catchers employed	Number of whales killed	Oil production	Catchers employed	Number of whales killed	Oil production	Catchers employed	Number of whales killed	Oil production	Catchers employed
		Barrels			Barrels			Barrels			Barrels	
1971/72 ...	14,529	387,064	89	8,711	159,610	41	3	36	1 <sup>1)</sup>	5,815	227,418	47
1972/73 ...	15,585	345,539	82	6,285	119,307	35	—	—	—	9,300	226,232	47
1973/74 ...	18,320	334,065	78	7,087	84,998	31	—	—	—	11,233	249,067	47
1974/75 ...	16,000	292,504	75	6,656	89,547	30	—	—	—	9,344	202,957	45
1975/76 ...	10,890	180,076	56	4,597	43,588	23	—	—	—	6,293	136,488	33
1976/77 ...	11,760	137,460	43	5,316	37,067	18	—	—	—	6,444	100,393	25
1977/78 ...	7,703	130,004	34	2,668	11,864	10	—	—	—	5,035	118,140	24

<sup>1)</sup> Combined catcher/floating factory.

**Table f. - Production of by-products in the Antarctic.**

Seasons Countries	Whale meat-meal, bone-meal, grax meal, guano	Whale liver or liver flakes	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
1971/72 .....	13,397	1,791	1,253,000	104,438	1,574	1,211
1972/73 .....	13,423	1,516	1,915,000	87,384	1,624	12,216
1973/74 .....	14,659	1,694	2,092,000	93,338	1,723	3,412
1974/75 .....	14,210	1,700	2,063,000	95,863	1,151	301
1975/76 .....	7,982	1,737	—	66,308	—	155
1976/77 .....	6,565	1,302	—	64,911	—	188
1977/78						
Japan .....	—	—	—	14,971	—	7
USSR .....	5,426	1,396	681 l. t.	31,211	—	32
Total .....	5,426	1,396	681 l. t.	46,182	—	39

<sup>1)</sup> Including by-products from whales caught north of 40° S.

## TABLES

## Antarctic season 1977/78.

Table 1. - Whaling results for the various countries in the Antarctic in the season 1977/78.

## Pelagic whaling.

Countries	Species of whales caught				Oil production. Barrels of 170 kg	Expeditions	
	Sei	Minke	Sperm	Total		Floating factories	Catchers
Japan .....	254	2,378	36	2,668	11,864	1	10
USSR .....	311	2,600	2,124	<sup>1)</sup> 5,035	118,140	2	24
Total .....	565	4,978	2,160	7,703	130,004	3	34

<sup>1)</sup> In addition 77 killer whales and 3 bottlenosed whales were caught.

Table 2. — Average size of whales caught in the Antarctic in the season 1977/78.

## Pelagic whaling.

Number of whales measured.		Expedition.	Average size.						
			Males.	Females.	Total.				
<b>Sei whales.</b>		No. 1 2	46.9 48.6	48.6 51.3	47.6 50.2				
Males 278	} Total 565								
Females 287									
Average			47.7	50.3	49.0				
<b>Minke whales.</b>		No. 1 2 3	27.3 28.0 27.1	28.7 29.2 28.6	28.1 28.8 28.2				
Males 1,712	} Total 4,978								
Females 3,266									
Average							27.4	28.8	28.3
<b>Sperm whales.</b>		No. 1 2 3	44.9 48.2 46.3	36.8 — 35.2	43.8 48.2 45.9				
Males 2,101	} Total 2,160								
Females 59									
Average							47.0	35.3	46.7

**Table 3.—Whales caught in the Antarctic in the season 1977/78,  
by species, sex and size.**

**Pelagic whaling.**

**Sol whales.**

Engl. feet	Number of		Total	Engl. feet	Number of		Total
	males	females			males	females	
40	—	1	1	53	—	30	30
41	12	3	15	54	—	16	16
42	5	3	8	55	—	6	6
43	8	5	13	56	—	3	3
44	7	8	15				
45	13	3	16	Total	278	287	565
46	23	10	33				
47	40	9	49				
48	50	17	67	Average size: {	Males 47.7 feet		
49	52	19	71		Females 50.3 "		
50	39	47	86		Total 49.0 "		
51	28	47	75	Per cent: {	Males 49.2		
52	1	60	61		Females 50.8		

**Minke whales.**

Engl. feet	Number of		Total	Engl. feet	Number of		Total
	males	females			males	females	
19	—	1	1	32	1	62	63
20	1	3	4	33	—	8	8
21	3	6	9	34	—	1	1
22	10	9	19	35	—	1	1
23	20	24	44				
24	50	42	92	Total	1,712	3,266	4,978
25	114	73	187				
26	232	158	390				
27	387	316	703	Average size: {	Males 27.4 feet		
28	486	594	1,080		Females 28.8 "		
29	303	846	1,149		Total 28.3 "		
30	99	751	850	Per cent: {	Males 34.4		
31	6	371	377		Females 65.6		

Table 3 (continued).

<b>Sperm whales.</b>							
Engl. feet	Number of		Total	Engl. feet	Number of		Total
	males	females			males	females	
31	—	1	1	49	289	—	289
32	—	2	2	50	236	—	236
33	1	10	11	51	106	—	106
34	3	7	10	52	65	—	65
35	1	14	15	53	29	—	29
36	5	6	11	54	7	—	7
37	21	12	33	55	5	—	5
38	23	4	27	56	1	—	1
39	23	2	25				
40	31	1	32	Total	2,101	59	2,160
41	48	—	48				
42	61	—	61				
43	80	—	80	Average size: {	Males 47.0 feet		
44	92	—	92		Females 35.3 »		
45	152	—	152		Total 46.7 »		
46	234	—	234	Per cent: {	Males 97.3		
47	293	—	293		Females 2.7		
48	295	—	295				

Table 4.—Size of pregnant female whales caught in the Antarctic in the season 1977/78.

## Pelagic whaling.

Sei whales.<sup>1)</sup>

Length	Number of pregnant females	Length	Number of pregnant females	
46	1	52	39	Number of fetuses measured ..... 143 of which triplets ..... 1
47	3	53	15	
48	10	54	11	
49	9	55	2	
50	25	56	1	
51	25			
		Total	141	

<sup>1)</sup> Exclusive of 4 females with no information of pregnancy.



Table 4 (continued).

Minke whales.<sup>1)</sup>

Length	Number of pregnant females	Length	Number of pregnant females	Number of foetuses measured ..... 2,292 of which twin pairs ..... 10
25	2	31	298	
26	45	32	52	
27	179	33	7	
28	425	35	1	
29	668			
30	605	Total	2,282	

<sup>1)</sup> Exclusive of 101 females with no information of pregnancy.

## Sperm whales.

Length	Number of pregnant females	Length	Number of pregnant females	Number of foetuses measured ..... 10
32	1	37	3	
33	1	38	1	
34	3			
35	1	Total	10	

**Table 5.—Whale foetuses measured in the Antarctic in the season 1977/78, by species and groups of size, in each month.**

## Pelagic whaling.

## Sei whale foetuses.

Groups of size, Engl. feet	Dec.	Jan.	Febr.	March	Total
0'—0'11" .....	—	—	6	1	7
1'—1'11" .....	—	1	—	—	1
2'—2'11" .....	—	1	—	—	1
3'—3'11" .....	—	4	—	—	4
4'—4'11" .....	—	5	3	1	9
5'—5'11" .....	—	7	3	1	11
6'—6'11" .....	—	11	5	—	16
7'—7'11" .....	1	8	6	3	18
8'—8'11" .....	—	1	13	3	17
9'—9'11" .....	—	1	15	4	20
10'—10'11" .....	—	1	15	8	24
11'—11'11" .....	—	—	4	7	11
12'—12'11" .....	—	—	1	3	4
Total .....	1	40	71	31	143
Average size .....	7' 0"	5' 9"	8' 0"	9' 4"	7' 8"

Table 5 (continued)

## Minke whale foetuses.

Groups of size. Engl. feet	Nov.	Dec.	Jan.	Febr.	Total
0'— 0' 11" <sup>1)</sup> .....	8	390	143	104	645
1'— 1' 11" .....	2	396	137	221	756
2'— 2' 11" .....	1	174	78	220	473
3'— 3' 11" .....	—	42	34	134	210
4'— 4' 11" .....	—	7	13	114	134
5'— 5' 11" .....	—	—	7	45	52
6'— 6' 11" .....	—	—	1	12	13
7'— 7' 11" .....	—	1	—	4	5
8'— 8' 11" .....	—	2	—	1	3
9'— 9' 11" .....	—	1	—	—	1
Total .....	11	1,013	413	855	2,292
Average size .....	0' 8"	1' 2"	1' 5"	2' 5"	1' 8"

<sup>1)</sup> Including very small foetuses (first stage) not measured and foetuses lost.

## Sperm whale foetuses. (South of 40° S.)

Groups of size. Engl. feet	Nov.	March	Total
0'— 0' 11" .....	1	3	4
11'—11' 11" .....	—	2	2
12'—12' 11" .....	—	3	3
14'—14' 11" .....	—	1	1
Total .....	1	9	10
Average size .....	—	8' 5"	7' 7"

**Table 6.—Whale foetuses measured in the Antarctic in the season 1977/78, by species and sex, in each month.**

**Pelagic whaling.**

	Number of		Sex not determined	Total	Number of males per 100 females
	males	females			
<b>Sei whale foetuses.</b>					
December .....	—	1	—	1	—
January .....	22	18	—	40	122
February .....	34	31	6	71	110
March .....	16	14	1	31	114
<b>Total .....</b>	<b>72</b>	<b>64</b>	<b>7</b>	<b>143</b>	<b>113</b>
<b>Minke whale foetuses.</b>					
November .....	4	7	—	11	57
December .....	492	394	127	1,013	125
January .....	182	190	41	413	96
February .....	431	406	18	855	106
<b>Total .....</b>	<b>1,109</b>	<b>997</b>	<b>186</b>	<b>2,292</b>	<b>111</b>
<b>Sperm whale foetuses.</b>					
November .....	—	1	—	1	—
March .....	4	3	2	9	133
<b>Total .....</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>10</b>	<b>100</b>

