INTERNATIONAL WHALING STATISTICS LXXII

EDITED BY

THE COMMITTEE FOR WHALING STATISTICS

OSLO 1973

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PREFACE

The present publication, International Whaling Statistics No. LXXII, embraces the results of the Antarctic whaling during the season 1972/73. The statistical data in this publication are based on catch reports sent to the Bureau of International Whaling Statistics, Sandefjord.

Oslo, December 1973.

Birger Bergersen. Einar Vangstein.

INTRODUCTION

In all postwar seasons up to and including 1971/72 the pelagic catch of baleen whales in the Antarctic has been limited by quotas which have been expressed in blue-whale units. One blue whale unit equals to 1 blue whale or 2 fin whales or $2\frac{1}{2}$ humpback whales or 6 sei whales.

At the 24th meeting of the International Whaling Commission held in London in 1972 quotas were set for individual species. The quotas for the 1972/73 season for species of baleen whales being allowed to catch were set at:

Fin whales	1,950
Sei/Bryde's whales	5,000
Minke whales	5,000

By voluntary agreement between Japan, U.S.S.R. and Norway the total quotas for fin whales and sei/Bryde's whales were allocated into national quotas.

	Japan	U.S.S.R.	Norway	Total
Fin whales				
Quotas	1,142	768	4 0	1,950
Catch	1,142	619		1,761
Sei/Bryde's whales				
Quotas	2,919	1,961	120	5,000
Catch	2,919	945		3,864

The national quotas and the actual catches were the following:

Norway had no expeditions in the Antarctic in the 1972/73 season. No national quotas were set for minke whales. According to Schedule 8 c the Bureau of International Whaling Statistics is responsible for determining the date on which the minke whale quota is supposed to be reached, based upon the data referred to in the Schedule, which are the weekly and later on the daily catch information sent to the Bureau during the season. On January 2nd 4,250 minke whales were reported caught, and the average catch per day was 110 whales. The remaining 750 minke whales would thus be expected to be caught in 7 days. The closing date for the catch of minke whales was therefore set to January 9th. However, during the last 7 days the average catch per day increased from 110 to 214, and consequently about 750 minke whales more than the stipulated catch limit were taken.

At the 24th meeting the Southern Hemisphere quotas for sperm whales were set at 8,000 males and 5,000 females for the 1972/73 pelagic season and the 1973 coastal season combined.

Japan and U.S.S.R. agreed to limit the number of sperm whales to be caught by Antarctic pelagic expeditions operating both south and north of 40° South to:

	Male	Female	Total
Japan	1,200	690	1,890
U.S.S.R.	5,000	2,900	7,900
Total	6,200	3,590	9,790
The catch amounted to:			
	Male	Female	Total
Japan	445	398	843
U.S.S.R.	4,998	2,900	7,898
Total	5,443	3,298	8,741

Two sperm whales not included in the table were reported lost by U.S.S.R. expeditions, and one by Japanese expeditions.

Other important regulations governing the pelagic whaling in the Antarctic in the 1972/73 season were the following:

- 1. The open season for the taking of fin, sei and Bryde's whales was from December 12th to April 7th, both days inclusive.
- 2. The open season for the taking of sperm whales was 8 months.
- 3. The open season for the taking of minke whales was 6 months.
- 4. It was forbidden to take fin whales under 57 feet, sei and Bryde's whales under 40 feet and sperm whales under 30 feet. Further, it was forbidden to kill blue whales, humpback whales, right whales, and female whales accompanied by a calf.

In the 1972/73 season 4 Japanese and 3 U.S.S.R. expeditions operated with a total of 82 catchers. One of the Japanese expeditions caught minke whales only. The expeditions produced 177,805 barrels of whale oil and 167,734 barrels of sperm oil. The total catch and production of oil in the last two seasons are shown in table a. (Corresponding figures for the seasons 1961/62 - 1970/71, see table c page 10, publication No. LXVIII.)

In the Antarctic 4,203 sperm whales were caught. In addition some of the expeditions hunted sperm whales in the waters north of 40° South latitude on their voyages to and from the Antarctic. The total catch of sperm whales was the following:

	On voyage to Antarctic N. of 40° S.		In An S. of	tarctic 40°S.	On voya Antarcti N. of 40		Total		
	No. sperm whales	Oil prod.	No. sperm whales	Oil prod.	No. sperm whales	Oil prod.	No. sperm whales	Oil prod.	
Japan U.S.S.R.	$\frac{711}{950}$	15,676 27,876	$\begin{array}{c} 132\\ 4,071\end{array}$	$\begin{array}{r} 4,324\\ 163,410\end{array}$		59,565	843 7,900	$20,000 \\ 250,851$	
	1,661	43,552	4,203	167,734	2,879	59,565	8,743	270,851	

The distribution of whales caught south of 40° South by series was the following:

	Fin whale	Sei/Bryde's whale	Minke whale S	Sperm whale
Serie D, 40—50° S. Lat	808	3,633		2,062
Serie A, 50—60° S. Lat	679	151	76	648
Serie B, 60—70° S. Lat	274	79	5,668	1,491
	1,761	3,8631)	$5,744^{1})$	4,201²)

The distribution of whales caught south of 40° South by areas was the following:

					Fin whale	Sei/Bryde's whale	Minke whale	Sperm whale
Area I,	120°	W- 60°	W	• • • • • • • • •	36	460		150
Area II,	0	-60°	W	• • • • • • • • •	124	98		701
Area III,	0	- 70°	\mathbf{E}		875	600	$1,\!187$	1,322
Area IV,	70°	$E - 130^{\circ}$	\mathbf{E}	• • • • • • • • •	290	$1,\!685$	4,557	627
Area V,	130°	$E - 170^{\circ}$	W	••••	128	943		1,038
Area VI,	170°	$W-120^{\circ}$	W	••••	308	77		363
					1,761	3,863	5,744	4,201

Tables b and c show the monthly catches of various species of whales exclusive minke whales in absolute and percentage figures. The catch of minke whales by month was November 604, December 3,453, January 1,687, Total 5,744.

¹) Excl. 1 whale lost. ²) Excl. 2 whales lost.

	Fi	Fin whales			Sei whales			Minke whales			Sperm whales		
	М	F	Total	М	F	Total	М	F	Total	М	\mathbf{F}	Total	
	Engl.	Engl.	Engl.	Engl.	Engl.	Engl.	Engl.	Engl.	Engl.	Engl.	Engl.	Engl.	
	feet	feet	feet	feet	feet	feet	feet	feet	feet	feet	feet	feet	
Area I	65.1	63.3	64.7	48.1	49.9	48.8				48.4		48.4	
Area II	65.3	68.1	66.7	46.7	48.3	47.7				42.2	34.2	40.9	
Area III	65.0	68.3	66.8	46.4	47.7	47.0	26.7	27.4	27.1	46.0	33.2	45.9	
Area IV	64.8	67.6	66.2	47.1	48.2	47.6	26.2	27.0	26.6	48.1	33.4	47.2	
Area V	63.9	65.9	64.9	46.2	47.5	46.8			_	44.8	36.0	43.8	
Area VI	64.2	66.1	65.0	48.2	49.5	48.9				40.3	35.4	40.0	
Total	64.7	67.7	66.2	46.9	48.2	47.5	26.3	27.1	26.7	45.1	34.8	44.3	

The average sizes of the different species and sexes of whales caught in different areas were the following:

Table d shows for each species and sex the average sizes of the total number of whales caught in the Antarctic, table e the whaling results for the various countries, and table f the production of by-products. The three tables also include data for the 1971/72 season. Corresponding data for the seasons 1961/62 - 1970/71 will be found in publication No. LXVIII, tables h, i, and k.

Table a. - Pelagic whaling in the Antarctic.

	Species of whales caught									Exped	itions
Years	Blue	Fin	Hump- back	Sei/ Bryde's	Minke	Sperm	Others	Total		Floating factories	Catch- ers
1971/72 1972/73	7	2,683 1,761	3 5	$5,456 \\ 3,864$				$14,529 \\ 15,585$			891) 82

¹) Including 1 combined floating factory/catcher.

Table	b /	Antarctic,	pelagio	: whaling,	Catch b	y months	in a	bsolute	figures.
-------	-----	------------	---------	------------	---------	----------	------	---------	----------

Species of and se		Nov.	Dec.	Jan.	Feb.	March	April	Total	The Whaling Statistics' total figures
Total animals	$iggr{1}{1971/72}{1972/73}$	$\begin{array}{c} 216\\ 242 \end{array}$	2,898 2,284	3,797 2,821	2,307 2,342	2,008 1,650	$\begin{array}{c} 267\\ 486 \end{array}$	11,493 9,825	
Fin whales	$\Big\} \begin{array}{c} 1971/72 \\ 1972/73 \end{array}$		$153 \\ 89$	$\begin{array}{c} 604 \\ 225 \end{array}$	$1,061 \\ 1,148$	$\begin{array}{c} 861 \\ 299 \end{array}$	4	2,683 1,761	
Sei/Bryde's whales	1971/72 1972/73		$2,348 \\ 1,347$	$2,098 \\ 1,681$	$540 \\ 488$	$rac{441}{346}$	$\begin{array}{c} 28 \\ 1 \end{array}$	5,455 3,863	
Sperm whales	$\left. \begin{array}{c} 1971/72 \\ 1972/73 \end{array} \right.$	$\begin{array}{c} 216\\ 242 \end{array}$	397 848	$1,095 \\ 915$	706 706	706 1,005	$235 \\ 485$	3,355 4,201	3,366 4,203

Species of whales. Seasons	Nov.	Dec.	Jan.	Feb.	March	April	Total	The Whaling Statistics' total figures
Total $1971/72$ animals \ldots	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Fin whales 1971/72 1972/73		5.3 3.9				1.5	$23.3 \\ 17.9$	
Sei/Bryde's } 1971/72 whales } 1972/73		81.0 59.0		$\begin{array}{c} 23.4 \\ 20.8 \end{array}$			$47.5 \\ 39.3$	
Sperm whales 1971/72 1972/73				$30.6 \\ 30.2$		88.0 99.8	$29.2 \\ 42.8$	

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

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

<u></u>	F	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 1972/73	$\begin{array}{c} 64.3\\ 64.7\end{array}$								28.0 26.7			

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

	All	countries	ت ت	J	apan	م ا	Ν	orway	°d	U	.S.S.R.	, p
	Number of whales killed	Oil pro- duction	Catchers employe	Number of whales killed	Oil pro- duction	Catchers employe	Number of whales killed	Oil pro- duction	Catchers employed	Number of whales killed	Oil pro- duction	Catchers employed
		Barrels			Barrels			Barrels			Barrels	
$1971/72 \dots 1972/73 \dots$		387,064 345,539		8,711 6,285	159,610 119,307		3	36 —	1 ¹)	5,815 9,300	227,418 226,232	

¹) Combined catcher/floating factory.

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

By-products 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
1971/72	L. tons 1 3,397	L. tons 1,791	1,253,000	L. tons 10 4,43 8	L. tons 1,574	L. tons 1,211
1972/73 Japan U.S.S.R.	522 12,901	1,516	1,915,000	59,684 27,700	1,624	$10,119 \\ 2,097$
Total	13,423	1,516	1,915,000	87,384	1,624	12,216

TABLES

Antarctic season 1972/73.

Table 1. - Whaling results for the various countries in the Antarctic in the season 1972/73.

Pelagic whaling.

			Species	of whale	es caught			Oil	Exped	litions
Countries	Blue	Fin	Hump- back	Sei	Minke	Sperm	Sperm Total		Floating factories	Catch- ers
Japan U.S.S.R	1)7	1,142 619		2,919 ²)945				119,307 226,2 3 2		35 47
Total	7	1,761	5	3,864	5,745	4,203	15,585	345,539	7	82

Taken under special permit according to Whaling Convention article VIII.
 Incl. 5 Bryde's whales.
 In addition 27 bottlenoses and 15 killer whales.

Table 2. — Average size of whales caught in the Antarctic in the season 1972/73.

Pelagic whaling.

Number of whales measured.	0		Average size.	
Number of whates measured.	Company.	Males.	Females.	Total.
Fin whales.		1		
Males 872) Total 1,761 Females 889)	No. 1 "2 "3 "4 "5 "6	$\begin{array}{c} 65.7 \\ 65.2 \\ 64.2 \\ 64.1 \\ 65.2 \\ 63.2 \end{array}$	$\begin{array}{c} 69.5 \\ 68.0 \\ 66.2 \\ 66.6 \\ 67.6 \\ 64.7 \end{array}$	$\begin{array}{c} 67.9 \\ 66.7 \\ 65.1 \\ 65.4 \\ 66.3 \\ 63.8 \end{array}$
Average		64.7	67.7	66.2
Sei whales.				
Males 2,082) Females 1,780} Total 3,862	No. 1 "2 "3 "4 "5 "6	$\begin{array}{r} 46.4 \\ 47.8 \\ 46.2 \\ 45.9 \\ 47.9 \\ 46.7 \end{array}$	$\begin{array}{r} 47.8 \\ 49.3 \\ 47.6 \\ 46.3 \\ 49.5 \\ 48.3 \end{array}$	$\begin{array}{c} 47.0 \\ 48.4 \\ 46.9 \\ 46.1 \\ 48.6 \\ 47.7 \end{array}$
Average		46.9	48.2	47.5

Number of whales measured.	0	Average size.				
Number of whales measured.	Company.	Males.	Females.	Total.		
Minke whales. Males 2,900 Females 2,843 Total 5,743 Average	No. 1 " 2 " 3	26.4 26.7 26.2 26.3	27.1 27.5 27.1 27.1	26.8 27.2 26.6 26.7		
Sperm whales.		20.0	2111	20.1		
$\left. \begin{array}{cc} { m Males} & { m 3,900} \\ { m Females} & { m 301} \end{array} ight\} { m Total} { m 4,201}$	No. 1 "2 "3 "4	$\begin{array}{c} \textbf{43.4} \\ \textbf{45.9} \\ \textbf{43.5} \\ \textbf{45.2} \end{array}$	$34.9 \\ 33.4 \\ 34.2 \\ 36.2$	41.2 45.5 42.3 44.7		
Average		45.1	34.8	44.3		

Table No. 2 (continued).

Table 3.—Whales caught in the Antarctic in the season 1972/73, by species, sex and size.

Pelagic whaling.

Fin whales.

Engl. feet	Numb	per of	Total	Tral foot	Numb	per of	Total
1311gr. 1666	males	females	Total	Engl. feet	males	females	Totat
48		1	1	72	11	55	66
49	_	1	1	$72 \\ 73$	8	83	91
52	1	1	1 9	74 74	0	49	49
53	3	-	2	75	_	30	30
54	$\frac{1}{2}$		2 3 2 4 5	76	_	19	19
55	$\overline{2}$	2	4	77		12	12
56	$\frac{2}{3}$	$2 \\ 2$	5	78	-	7	7
57	29	$2\overline{2}$	51	79		8	8
58	38	39	77	80	_	ĩ	ĩ
59	26	20	46	81	-		ī
60	33	30	63	82		$\begin{array}{c c} 1 \\ 1 \end{array}$	1
61	52	30	82				
62	55	42	97	Sum	872	889	1,761
63	71	45	116				
64	71	45	116				
65	63	40	103		Ma		eet
66	109	42	151	Average	size: { Fei	nales 67.7	,,
67	87	47	134	J	[Tot	tal 66.2	,,
68	86	42	128		•		
69	47	40	87	Dan cont.	∫ Ma		
70	53	67	120	Per cent:	ί Fei	nales 50.5	
71	22	65	87				

Engl. feet	Numb	er of	Total	Engl. feet	Numi	per of	Total
Ingi. leet	males	females	10(a)	Engl. leet	males	females	Total
37	1	2	3 2	53	16	99	115
38	1	1	2	54	1	48	49
39	4	5	9	55	1	16	17
40	41	47	88	56	-	12	12
41	75	61	136	57	-	3	3
42	73	58	131				
43	118	86	204	Sum	2,082	1,780	3,862
44	131	91	222		i	1	
45	149	78	227				
46	216	108	324		())	1 40.0	. ,
47	252	148	400	Ι.	. (Ma		
48	326	172	498	Average		males 48.2	*
49	303	171	474		[To	tal 47.5	*
50	207	201	408	Den sout	(Ma	les 53.9	
51	114	182	296	Per cent:	i j Fe	males 46.1	
52	53	191	244		,		

Sei whales.

Minke whales.

Engl. feet	Numb	er of	Total	Engl. feet	Numb	er of	Total
Eligi. leet	males	females	Totai	Engl. leet	males	females	10(a)
15 16 17 18	- - 6	$1\\1\\8\\8$	1 1 8 14	30 31 32 33	61 20 	$396 \\ 156 \\ 23 \\ 2$	$457 \\ 176 \\ 23 \\ 2$
19 20 21	$9 \\ 24 \\ 59$	$\begin{array}{c} 6\\ 27\\ 60 \end{array}$	$\begin{array}{c}15\\51\\119\end{array}$	Sum	2,900	2,843	5,743
22 23 24 25 26 27 28 29	97 125 213 287 495 689 544 271	$\begin{array}{c} 86\\ 140\\ 204\\ 179\\ 231\\ 358\\ 498\\ 459\end{array}$	$ \begin{array}{c} 1183\\ 265\\ 417\\ 466\\ 726\\ 1,047\\ 1,042\\ 730\\ \end{array} $	Average Per cent	(To ∫ Ma	males 27.1 tal 26.7	feet "

Engl. feet	Numb	er of	Total	Engl. feet	Numb	per of	Total
Ingi. ieet	males	females	Total	Engl. leet	males	females	Totai
30	2	2	4	49	438	_	438
31	17	$1\overline{6}$	33	$\overline{50}$	355	-	355
32	17	18	35	51	198		198
33	39	35	74	52	118	_	118
34	49	57	106	53	35	-	35
35	66	64	130	54	13	-	13
36	87	49	136	55	3	-	3
37	100	31	131	56	3	-	3
38	115	21	136	57	1	-	1
39	142	6	148				
40	161	2	163	Sum	3,900	301	4,201
41	171	-	171				<u> </u>
42	160	- 1	160		6 34.	1	£ +
43	214	-	214		. Ma		
44	188	-	188	Average		males 34.8	"
45	210	-	210		[Tot		"
46	233		233	Per cent:	∫ Ma		
47	305	-	305		ˈ	males 7.2	
48	460		460	1			

Sperm whales.

Table 4.—Size of pregnant female whales caught in the Antarctic in the season 1972/73.

Pelagic whaling.

Fin whales.

Length	Number of pregnant females	Length	Number of pregnant females		
$\begin{array}{c} 61\\ 62\\ 63\\ 64\\ 65\\ 66\\ 67\\ 68\\ 69\\ 70\\ 71\\ 72\\ 73\end{array}$	$ \begin{array}{r} 1 \\ 2 \\ 6 \\ 13 \\ 15 \\ 21 \\ 18 \\ 25 \\ 21 \\ 46 \\ 39 \\ 34 \\ 49 \\ 34 \end{array} $	74 75 76 77 78 79 81 82 Total	$ \begin{array}{r} 24 \\ 17 \\ 9 \\ 9 \\ 4 \\ 3 \\ 1 \\ 1 \\ 358 \\ \end{array} $	Number of foetuses meas- ured	358

Sei	whales.
-----	---------

Length	Number of pregnant females	Length	Number of pregnant females		
44 45 46 47 48 49 50 51 52	$ \begin{array}{r} 10 \\ 7 \\ 20 \\ 49 \\ 86 \\ 94 \\ 112 \\ 99 \\ 118 \\ \end{array} $	53 54 55 56 57 Total	68 33 10 9 1 716	Number of foetuses meas- ured of which twin pairs	720 4

Minke whales.1)

Length	Number of pregnant females	Length	Number of pregnant females	
24 25 26 27 28	$ \begin{array}{c c} 1 \\ 7 \\ 45 \\ 146 \\ 247 \\ \end{array} $	30 31 32 33	$236 \\ 104 \\ 14 \\ 1$	Number of foctuses meas- ured 1,056 of which twin pairs 4
28 29	251	Total	1,052	

¹) Exclusive of 878 females with no information on pregnancy.

Sperm whales.

Length	Number of pregnant females		
30 31 32 33 34 35 36 37 38	$2 \\ 5 \\ 9 \\ 14 \\ 14 \\ 19 \\ 7 \\ 6 \\ 2$	Number of foetuses meas- ured	78
Total	78		

Table 5.—Whale foetuses measured in the Antarctic in the season 1972/73, by species and groups of size, in each month.

Pelagic whaling.

Fin whale foetuses.

Groups of size. Engl. feet	Dec.	Jan.	Febr.	March	Total
0′— 0′ 11″	4	1	19	8	32
$1' - 1' 11'' \dots \dots$	-	-	3	2	5
$2' - 2' 11'' \dots$	-	1	12	-	13
$3' - 3' 11'' \dots$	2	8	12	4	26
4' — 4 ' 11"	1	8	27	2	38
$5' - 5' 11'' \dots$	-	2	18	1	21
6′— 6′ 11″	1	4	16	4	25
7′— 7′ 11″		3	26	6	35
8′ 8′ 11″		4	27	6	37
9′— 9′ 11″	_	ī	17	1	19
0'-10' 11"	_	3	15	5	23
1′—11′ 11″	_	_	20	$\overline{2}$	22
2′—12′ 11″	-	2	6	4	12
3′—13′ 11″	_	_	12	$\overline{7}$	19
4′—14′ 11″	_		4	6	10
5'-15'11''	_		$\overline{7}$	$\tilde{5}$	$\overline{12}$
6′—16′ 11″	_		i	4	5
7′—17′ 11″	_		î	$\hat{\overline{2}}$	3
8′—18′ 11″	-	-	ĩ	-	ĩ
otal	8	37	244		358
Verage size	2' 4"	6' 0"	$\frac{244}{7'5''}$	9' 3"	7' 6"

Sei	whale	foetuses.
-----	-------	-----------

Groups of size. Engl. feet	Dec.	Jan.	Febr.	March	Total
$0' - 0' 11'' \dots 1' 1'' \dots 1' 11'' \dots 1' 11'' \dots 1' 11'' \dots 1' 11'' \dots \dots \dots \dots$	1	5	16	5	27 8
$1 - 1 - 1 - 11 - \dots - 11$ $2' - 2' - 11'' - \dots - 11'' - \dots - 11'' - \dots - 11'' - \dots -$	20 46	12 19	- 5	-	32 70
$4' - 4' 11'' \dots 5' - 5' 11'' \dots$	89 89	39 54	35	-	131 149
$\vec{6'}$ = $\vec{6'}$ 11" $\vec{7'}$ = $\vec{7'}$ 11"	37	68 51	15 12	3 4	123 74
$8' - 8' \overline{11''} \dots \overline{9' - 9' 11''} \dots$	3	26	13 9	33	45 20
10′—10 11″ 11′—11′ 11″	-	2	9 4	7 8	18 12
12′—12′ 11″ 13′—13′ 11″		-	2 -	8 1	10 1
Total Average size	299 4' 8″	285 5′ 11″	93 6′ 5″	43 8' 10"	720 5′ 8″

Table	No.	5	(continued).
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Minke whale foetuses.

Groups of size. Engl. feet	Nov.	Dec.	Jan.	Total
$0' - 0' 11''_{1}$	81	328	204	613
$1' - 1' 11'' \dots \dots$	20	150	140	310
2'-2'11''	2	28	66	96
3′— 3′ 11″		7	17	24
$4'-4' 11'' \dots \dots \dots$	-	1	2	3
$5' - 5' 11'' \dots$	_	-	-	-
$6' - 6' 11'' \dots$	_	_	1	1
$7' - 7' 11'' \dots \dots \dots \dots \dots \dots \dots \dots \dots $		-	1	1
8′— 8′ 11″		1	2	3
9′— 9′ 11″	1	2		3
0′—10′ 11″	-	-	2	2
'otal	104	517	435	1,056
verage size	0' 7"	0' 10"	1' 1"	0'11"

¹) Including very small foetuses (first stage) not measured.

and the second se							
Groups of size. Engl. feet	Nov.	Dec.	Jan.	Febr.	March	April	Total
0' 0' 11"		5	9	3	_	2	19
1' 1' 11"	-	1	_	-	3	2	6
2'- 2' 11"	_		1	_	3	5	9
3' 3' 11"	_	_	-		3	4	7
4' 4' 11"	_	_	_	_	-	15	15
5'- 5' 11"	-	_	_	_	-	5	5
6'- 6' 11"	-	-	_	_	-	1	1
7'- 7' 11″						-	-
8'- 8' 11"	tantan .	_	_				_
9'- 9' 11"	_	-			_	-	_
0′—10′ 11″	1	-	_		-		1
1′—11′ 11″	2	_	3		1	-	6
2'-12' 11"	1	1	2		1	1	6
3'-13' 11″	_	_	1	-	2		3
fotal	4	7	16	3	13	35	78
verage size	11' 5''	2' 2"	4' 7"	5	5' 3''	3' 11"	4' 4"

Sperm whale foetuses.

Table 6.—Whale foetuses measured in the Antarctic in the season 1972/73, by species and sex, in each month.

Pelagic whaling.

	Numl	per of	Sex not	Total	Number of males per
	males	females	determined	10121	100 females
Fin whale foetuses.					
December	2	2	4	8	100
January	20	16	1	37	125
February	111	114	19	244	97
March	31	30	8	69	103
Total	164	162	32	358	101
Sei whale foetuses.					
December	149	149	1	299	100
January	146	134	5	285	109
February	40	38	15	93	105
March	19	19	5	43	100
Total	354	340	26	720	104
Minke whale foetuses.					
November	29	53	22	104	55
December	225	197	95	517	114
January	142	167	126	435	85
Total	396	417	243	1,056	95
Sperm whale foetuses.					
November	2	2	-	4	
December	$\overline{\overline{3}}$	3	1	7	
January	5	3	8	16	
February	-	-	3	3	
March	10	3	_	13	
April	14	21	-	35	
Total	34	32	12	78	106

