INTERNATIONAL WHALING STATISTICS

EDITED BY THE COMMITTEE FOR WHALING STATISTICS

OSLO 1974

INTERNATIONAL WHALING STATISTICS LXXIV

EDITED BY

THE COMMITTEE FOR WHALING STATISTICS

OSLO 1974

PRINTED BY GRØNDAHL & SØN, OSLO

CONTENTS

_

| Preface | Page | 5 |
|---|------------|----|
| Introduction | " <u> </u> | 7 |
| Table 1. — Whaling results for the various countries in the Antarctic in the | | |
| season 1973/74 | ** | 12 |
| Table 2. — Average size of whales caught in the Antarctic in the season 1973/74 | " | 12 |
| Table 3. — Whales caught in the Antarctic in the season 1973/74, by species, | | |
| sex and size | " | 13 |
| Table 4. — Size of pregnant whale females caught in the Antarctic in the season | | |
| $1973/74^{-1}$ | ** | 15 |
| Table 5. — Whale foetuses measured in the Antarctic in the season 1973/74, by | | |
| species and groups of size, in each month | " | 17 |
| Table 6. — Whale foetuses measured in the Antarctic in the season 1973/74, | | |
| by species and sex, in each month | " | 19 |
| -5 -F | | |

PREFACE

The present publication, International Whaling Statistics No. LXXIV, embraces the results of the Antarctic whaling during the season 1973/74. The statistical data in this publication are based on catch reports sent to the Bureau of International Whaling Statistics, Sandefjord.

Oslo, December 1974.

Birger Bergersen.

Einar Vangstein.

INTRODUCTION

At the 25th meeting of the International Whaling Commission held in London in 1973 the Antarctic quotas for fin and sei/Bryde's whales were set at:

| Fin whales | · · · • • • · · · · · · · · · · · · · · | $1,\!450$ |
|-------------|---|-----------|
| Sei/Bryde's | whales | 4,500 |

The set quotas were by agreement between Japan, U.S.S.R. and Norway split into national quotas as follows:

| | Japan | U.S.S.R. | Norway | Total |
|--------------------|-------|----------|--------|-------|
| Fin whales | 867 | 583 | | 1,450 |
| Sei/Bryde's whales | 2,632 | 1,768 | 100 | 4,500 |

No Norwegian expedition operated in or outside the Antarctic in the season 1973/74.

The catch limit for Antarctic minke whales was set at 5,000. Japan and U.S.S.R. lodged objections to this quota, and agreed to the taking of 4,000 animals each.

The catch limit for sperm whales in the Southern Hemisphere was set at 8,000 males and 5,000 females for the 1973/74 pelagic season and the 1974 coastal season. This catch limit was by agreement between the countries involved split into national quotas as follows:

| Japan | 1,200 males | 690 females |
|--------------|-------------|---------------|
| U.S.S.R | 5,000 males | 2,900 females |
| South Africa | 900 males | 905 females |
| Australia | 900 males | 505 females |

Other important regulations governing the pelagic whaling in the Antarctic in the 1973/74 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 also all female whales accompanied by calf.

In the 1973/74 Antarctic season 5 Japanese and 3 U.S.S.R. expeditions operated with a total of 78 catchers. Two of the Japanese expeditions caught minke whales only. The catch amounted to 1,288 fin whales, 4,392 sei whales, 7,713 minke whales and 4,927 sperm whales. In addition some of the expeditions hunted sperm whales in the waters north of 40° South 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 Antarctic S. of 40° S | On voyage from Antarctic N. of 40° | Total |
|---------|--|-----------------------------------|---|-------|
| Japan | 370 | 45 | | 415 |
| U.S.S.R | 361 | 4,882 | 2,657 | 7,900 |
| | 731 | 4,927 | 2,657 | 8,315 |

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

| | Fi wha | in ales | Sei/ Bryde's whales | Minke whales | Sperm whales Males Females | | |
|------------------------------|-----------|------------|---------------------------|-----------------|-------------------------------|-------|--|
| Serie D (40–49°S) . | • | 510 | 2,537 | | 2,569 | 1,234 | |
| Serie A $(50-59^{\circ}S)$. | | 559 | 1,039 | 92 | 288 | | |
| Serie B (60-69°S) . | • | 219 | 812 | 7,451 | 789 | | |
| Serie C $(70-79^{\circ}S)$. | • | | 2 | 170 | 47 | | |
| | 1 | ,288 | 4,390 ¹) | 7,713 | 3,693 | 1,234 | |

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

| | Fin whales | Sei/ Bryde's whales | Minke whales | Sperm whales Males Females | | |
|----------|---------------|------------------------------|-----------------|-------------------------------|-------|--|
| Area II | 199 | 3 | 176 | 443 | 118 | |
| Area III | 424 | 391 | 1,698 | 147 | | |
| Area IV | 88 | 1,537 | 4,569 | 197 | | |
| Area V | 15 | 519 | | 1,643 | 944 | |
| Area VI | \cdot 402 | 814 | 13 | 589 | 172 | |
| Area I | 160 | 1,126 | 1,257 | 674 | | |
| - | 1,288 | 4,3 90 ¹) | 7,713 | 3,693 | 1,234 | |

1) Excluding 2 sei whales lost.

| | Fin whales | | | Sei whales | | | Minke whales | | | Sperm whales | | |
|--|---|---|--|---|--|---|--------------------------|---|---|---|--|---|
| | М | F | Total | М | F | Total | м | F | Total | М | F | Total |
| Area I Area II Area III Area IV Area V Area VI | $\begin{array}{c} 64.3 \\ 64.9 \\ 64.0 \\ 61.0 \\ 62.8 \\ 63.9 \end{array}$ | $\begin{array}{c} 66.5 \\ 67.6 \\ 68.5 \\ 62.8 \\ 61.7 \\ 65.8 \end{array}$ | $\begin{vmatrix} 65.3 \\ 66.3 \\ 66.5 \\ 61.9 \\ 62.3 \\ 65.1 \end{vmatrix}$ | $\begin{array}{r} 47.8 \\ 48.0 \\ 46.4 \\ 46.6 \\ 46.5 \\ 48.0 \end{array}$ | $50.0 \\ 51.5 \\ 47.6 \\ 47.6 \\ 47.9 \\ 50.1$ | $\begin{array}{c} 48.8 \\ 50.3 \\ 46.9 \\ 47.0 \\ 47.2 \\ 49.1 \end{array}$ | 25.826.826.826.826.827.0 | $26.3 \\ 28.7 \\ 28.4 \\ 27.8 \\ \\ 24.3$ | $26.0 \\ 28.3 \\ 28.0 \\ 27.4 \\ \\ 26.4$ | $\begin{array}{r} 46.5 \\ 48.2 \\ 46.9 \\ 47.6 \\ 42.6 \\ 44.3 \end{array}$ | $\begin{vmatrix}\\ 34.5\\\\ 34.8\\ 34.2 \end{vmatrix}$ | $\begin{array}{r} 46.5 \\ 45.3 \\ 46.9 \\ 47.6 \\ 39.7 \\ 42.0 \end{array}$ |
| Total | 63.9 | 66.8 | 65.5 | 47.1 | 48.8 | 47.9 | 26.5 | 27.8 | 27.3 | 44.7 | 34.7 | 42.2 |

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

Table a shows the catch and production, tables 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 five tables also include data for 1971/72 and 1972/73 seasons. Corresponding data for the seasons 1961/62-1970/71 will be found in publication No. LXVIII.

Table a. - Pelagic whaling in the Antarctic.

| | | | Spe | | Oil | Expeditions | | | | | |
|-------------------------------|------|-------------------------|---------------|-------------------------|---------------------------|-------------|--------|----------------------------|-----------------------|-----------------------|-------------------------------|
| Years | Blue | Fin | Hump- back | Sei/ Bryde's | Minke | Sperm | Others | Total | production Barrels | Floating factories | Catch- ers |
| 1971/72 1972/73 1973/74 | 7 | 2,683 1,761 1,288 | 5 | 5,456 3,864 4,392 | $3,021 \\ 5,745 \\ 7,713$ | - / - | | 14,529 15,585 18,320 | 345,539 | 7 | 89 ¹) 82 78 |

¹) 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 |
|---|------|---------------------------|---------------------|-------------------------|-------------------------|--|----------------------------|--------------------------------------|
| $ \begin{array}{c c} Total \\ animals \\ \end{array} \Big) \begin{array}{c} 1971/72 \\ 1972/73 \\ 1973/74 \end{array} $ | 846 | $4,093 \\ 5,737 \\ 4,748$ | 4,508 | 2,982 2,342 3,146 | 2,021 1,650 2,327 | $267 \\ 486 \\ 818$ | 14,512 15,569 18,313 | 15,573 |
| Fin } 1971/72 whales } 1972/73 1973/74 | | 153 89 172 | $604 \\ 225 \\ 329$ | $1,061 \\ 1,148 \\ 601$ | $861 \\ 299 \\ 174$ | $\frac{4}{11}$ | 2,683 1,761 1,287 | 1,761 |
| Sei/Bryde's) 1971/72 whales j 1972/73 1973/74 | _ | $2,348 \\ 1,347 \\ 1,294$ | 1,681 | $540 \\ 488 \\ 1,408$ | $441 \\ 346 \\ 159$ | $\begin{array}{c} 28\\1\\7\end{array}$ | 5,455 3,863 4,386 | 3,864 |
| Minke 1971/72 whales 1972/73 1973/74 | 604 | | 1,687 | 675 900 | $\frac{13}{117}$ | | $3,019 \\ 5,744 \\ 7,713$ | 5,745 |
| Sperm) 1971/72 whales) 1972/73 1973/74 | 242 | | 915 | 706 706 237 | 706 1,005 1,877 | 235 485 1)800 | 3,355 4,201 4,927 | 4,203 |

¹) Including 48 in May.

| Species of whales. Seasons | | Nov. | Dec. | Jan. | Feb. | March | April | Total | Total including lost whales |
|-------------------------------|--|----------------------|------------------------|------------------------|---|------------------------|----------------------|------------------------|--------------------------------------|
| Total animals | $\left. \left. \left. \left. \begin{array}{c} 1971/72 \\ \dots \end{array} \right. \right. \right. ight. ight. ight.$ | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Fin Whales | $\left. \begin{array}{c} 1971/72 \\ 1972/73 \\ 1973/74 \end{array} \right.$ | | $3.7 \\ 1.5 \\ 3.6$ | $12.5 \\ 5.0 \\ 7.0$ | 3 5.6 49.0 19.1 | | 1.5 | $18.5 \\ 11.3 \\ 7.0$ | 11.3 |
| Sei/Bryde's whales | $\left. \begin{array}{c} 1971/72 \\ 1972/73 \\ 1973/74 \end{array} \right.$ | | $57.4 \\ 23.5 \\ 27.3$ | $43.5 \\ 37.3 \\ 32.3$ | $18.1 \\ 20.8 \\ 44.8$ | | $10.5 \\ 0.2 \\ 0.9$ | $37.6 \\ 24.8 \\ 24.0$ | 24.8 |
| Minke whales | $\left. \begin{array}{c} 1971/72 \\ 1972/73 \\ 1973/74 \end{array} \right.$ | $32.7 \\71.4 \\97.0$ | $29.2 \\ 60.2 \\ 55.9$ | 37.4 | $\begin{array}{r} 22.6\\\\ 28.6\end{array}$ | | | $20.8 \\ 36.9 \\ 42.1$ | |
| Sperm whales | $\Big\}\begin{array}{c}1971/72\\1972/73\\1973/74\end{array}$ | 67.3 28.6 3.0 | 9.7 14.8 13.2 | | $23.7 \\ 30.2 \\ 7.5$ | $34.9 \\ 60.9 \\ 80.7$ | 88.0 99.8 97.8 | $23.1 \\ 27.0 \\ 26.9$ | 27.0 |

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.

| | 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 1973/74 | $\begin{array}{c c} 64.3 \\ 64.7 \\ 63.9 \end{array}$ | 67.7 | 66.2 | 46.9 | 48.2 | 47.5 | 26.3 | 27.1 | 26.7 | 45.1 | 34.8 | 44.3 |

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

| | All countries | | Japan | | Japan | | | orway | | | U.S.S.R. | |
|-------------------------------|----------------------------------|-------------------------------|---------------------|----------------------------------|------------------------------|----------------------|----------------------------------|------------------------|---------------------|----------------------------------|-------------------------------|----------------------|
| | 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 employe | Number of whales killed | Oil pro- duction | Catchers employed |
| | | Barrels | | | Barrels | | | Barrels | | | Barrels | |
| 1971/72 1972/73 1973/74 | 15,585 | 387,064 345,539 334,065 | 82 | 8,711 6,285 7,087 | 159,610 119,307 84,998 | 35 | 3 | 36 | 11) | 5,815 9,300 11,233 | 227,418 226,232 249,067 | 47 |

¹) Combined catcher/floating factory.

| 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 1972/73 | 13,397 13,423 | $1,791 \\ 1,516$ | 1,253,000 1,915,000 | $\begin{array}{c} 104,\!438\\ 87,\!384 \end{array}$ | $1,574 \\ 1,624$ | 1,211 12,216 |
| 1973/74 Japan U.S.S.R | 299 14,360 | 1,694 | 2,092,000 | 61,602 31,736 | 1,723 | 180 3,232 |
| Total | 14,659 | 1,694 | 2,092,000 | 93,338 | 1,723 | 3,412 |

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

TABLES

Antarctic season 1973/74.

Table 1. - Whaling results for the various countries in the Antarcticin the season 1973/74.

Pelagic whaling.

| | | | Species | | Oil | Expeditions | | | | |
|------------------|------|------------|---------------|-----------------|-------|-------------|-------------------|--|-----------------------|---|
| Countries | Blue | Fin | Hump- back | Sei/ Bryde's | Minke | Sperm | Total | pro- duction. Barrels of 170 kg | Floating factorics | Catch- ers |
| Japan U.S.S.R | | 705 583 | | 2,624 1,768 | | | 7,087 1)11,233 | | | $\begin{array}{c} 31 \\ 47 \end{array}$ |
| Total | | 1,288 | | 4,392 | 7,713 | 4,927 | 18,320 | 334,065 | 8 | 78 |

¹) In addition 48 killer whales and 4 bottlenoses were caught.

Table 2. — Average size of whales caught in the Antarctic in the season 1973/74.

Pelagic whaling.

| | T | | Average size. | |
|--|--|---|---|---|
| Number of whales measured. | Expedition. | Males. | Females. | Total. |
| Fin whales. | | Engl. feet | Engl. feet | Engl. feet |
| $egin{array}{llllllllllllllllllllllllllllllllllll$ | No. 1 " 2 " 3 " 4 " 5 " 6 | $\begin{array}{c} 63.7 \\ 64.6 \\ 63.7 \\ 64.5 \\ 63.5 \\ 63.6 \end{array}$ | $\begin{array}{c} 68.8 \\ 67.4 \\ 67.3 \\ 66.3 \\ 66.4 \\ 64.9 \end{array}$ | $\begin{array}{c} 66.6 \\ 66.1 \\ 65.7 \\ 65.3 \\ 65.3 \\ 64.3 \end{array}$ |
| Average | | 63.9 | 66.8 | 65.5 |
| Sei whales. | | | | |
| Males 2,412 Total 4,388 Females 1,976 Total 4,388 | No. 1 " 2 " 3 " 4 " 5 " 6 | $\begin{array}{r} 47.9 \\ 47.7 \\ 47.1 \\ 47.2 \\ 46.8 \\ 46.5 \end{array}$ | $50.3 \\ 49.9 \\ 49.1 \\ 48.7 \\ 47.8 \\ 47.5$ | $\begin{array}{r} 49.0 \\ 48.7 \\ 48.1 \\ 48.0 \\ 47.2 \\ 46.9 \end{array}$ |
| Average | | 47.1 | 48.8 | 47.9 |

| Table No. 2 (continued). |
|--------------------------|
|--------------------------|

| | T3 | | Average size. | |
|--|--|---|--|---|
| Number of whales measured. | Expedition. | Males. | Females. | Total. |
| Minke whales. Males 2,958 Females 4,755 Total 7,713 | No. 1 " 2 " 3 " 4 " 5 " 6 | Engl. feet 27.2 26.8 26.5 26.3 27.0 25.8 | Engl. feet 28.4 28.2 27.5 27.3 24.3 26.4 | Engl. feet 27.9 27.8 27.1 26.8 26.4 26.1 |
| Average | | 26.5 | 27.8 | 27.3 |
| Sperm whales. | | | | |
| Males 3,693} Total 4,927 Females 1,234∫ | No. 1 "2 "3 "4 | $\begin{array}{c} 47.4 \\ 44.7 \\ 46.2 \\ 43.4 \end{array}$ | $34.5 \\ 33.4 \\ 35.1 \\ 34.8$ | $\begin{array}{r} 45.8 \\ 44.0 \\ 43.7 \\ 40.1 \end{array}$ |
| Average | | 44.7 | 34.7 | 42.2 |

Table 3.—Whales caught in the Antarctic in the season 1973/74, by species, sex and size.

Pelagic whaling.

Fin whales.

| Engl. feet | Numt | per of | Total | Engl foot | Numł | ber of | Tetal |
|------------|---------------|---------|---------------|------------|-------------|-----------------------------------|---|
| Engl. leet | males | females | 10(a) | Engl. feet | males | females | $ \begin{array}{c c} 57\\38\\17\\11\\7\\2\\3\\1,287\end{array}$ |
| 53 | | 2 | 2 | 72 | 6 | 46 | 52 |
| 54 | 1 | | 1 | 73 | 2 | 55 | 57 |
| 55 | $\frac{1}{2}$ | | $\frac{2}{7}$ | 74 | | 38 | 38 |
| 56 | 3 | 4 | | 75 | | 17 | |
| 57 | 23 | 14 | 37 | 76 | | 11 | |
| 58 | 39 | 34 | 73 | 77 | | 7 | 7 |
| 59 | 3 6 | 43 | 79 | 78 | | $\begin{array}{c}2\\3\end{array}$ | 2 |
| 60 | 38 | 39 | 77 | 79 | | 3 | 3 |
| 61 | 32 | 19 | 51 | | | | |
| 62 | 32 | 23 | 55 | Total | 584 | 703 | 1,287 |
| 63 | 51 | 27 | 78 | | | | |
| 64 | 40 | 36 | 76 | | | | |
| 65 | 41 | 34 | 75 | | (Ma | | eet |
| 66 | 75 | 56 | 131 | Average a | size: { Fer | nales 66.8 | ,, |
| 67 | 61 | 38 | 99 | | { Tot | al 65.5 | ,, |
| 68 | 40 | 33 | 73 | | | | |
| 69 | 31 | 38 | 69 | Per cent: | ∫ Ma | les 45.4 | |
| 70 | 22 | 39 | 61 | I OF COMU. | } Fer | nales 54.6 | |
| 71 | 9 | 45 | 54 | | | | |

Table No. 3 (continued).

| Engl. feet - | Number of | | Total | Engl foot | Numb | per of | Total |
|--------------|-----------|---------|-----------|-------------|---------|------------|--|
| Engl. leet | males | females | Total | Engl. feet | males | females | Total 304 132 66 18 7 1 4,388 Seet » » |
| 32 | | 1 | 1 | 52 | 34 | 270 | 304 |
| 34 | | 1 | 1 | 53 | 8 | 124 | 132 |
| 38 | 1 | 3 | 4 | 54 | 3 | 63 | 66 |
| 39 | 1 | 3 | 4 | 55 | 1 | 17 | 18 |
| 40 | 29 | 30 | 59 | 56 | | 7 | 7 |
| 41 | 69 | 43 | 112 | 57 | | 1 | 1 |
| 42 | 50 | 52 | 102 | | | | |
| 43 | 111 | 67 | 178 | Total | 2,412 | 1,976 | 4,388 |
| 44 | 103 | 67 | 170 | | | | |
| 45 | 171 | 76 | 247 | | ()(| | |
| 46 | 297 | 110 | 407 | | . Ma | | |
| 47 | 410 | 160 | 570 | Average | | males 48.8 | |
| 48 | 459 | 183 | 642 | | [To | | * |
| 49 | 319 | 208 | 527 | Per cent: | ∫ Ma | | |
| 50 | 232 | 242 | 474 | L'un contr. | ˈ l Fei | males 45.0 | |
| 51 | 114 | 248 | 362 | | - | | |

Sei whales.

Minke whales.

| Engl. feet | Numb | er of | Total | Engl. feet | Numt | per of | Total | |
|---|---|---|---|---|--------------------|---|------------------------------|--|
| Engl. leet | males | females | 10041 | Engl. leet | males | females | | |
| $ \begin{array}{c} 16 \\ 17 \\ 18 \\ 19 \\ 20 \\ 21 \end{array} $ | $\begin{array}{c} - \\ 2 \\ 2 \\ 4 \\ 9 \\ 24 \end{array}$ | $ \begin{array}{c} 2 \\ 2 \\ 2 \\ 6 \\ 19 \\ 23 \end{array} $ | $\begin{array}{c}2\\4\\10\\28\\47\end{array}$ | $\begin{array}{r} 31\\ 32\\ 33\\ 38\\ \hline Total \end{array}$ | 8 2,958 | $\begin{array}{r} 298\\ 37\\ 3\\ 1\\ \hline 4,755\end{array}$ | 306 37 3 1 7,713 | |
| 22 23 24 25 26 27 28 29 30 | $\begin{array}{r} 44\\ 84\\ 182\\ 335\\ 620\\ 778\\ 580\\ 226\\ 60\\ \end{array}$ | $57 \\ 94 \\ 180 \\ 264 \\ 415 \\ 718 \\ 938 \\ 956 \\ 740$ | $101 \\ 178 \\ 362 \\ 599 \\ 1 035 \\ 1 496 \\ 1 518 \\ 1 182 \\ 800$ | Average Per cent: | (Tot ∫ Ma | males 27.8 tal 27.3 | eet ,, ,, | |

| males | females | Total | Engl. feet | | Total | |
|-------|---|---|--|--|--|--|
| 1 | 1 | | | males | females | Total |
| 1 | | 1 | 47 | 366 | | 366 |
| 1 | 2 | 3 | 48 | 341 | | 341 |
| | 1 | 1 | 49 | 305 | | 305 |
| | 1 | 1 | 50 | 236 | | 236 |
| 2 | 48 | 50 | 51 | 149 | | 149 |
| 3 | 73 | 76 | 52 | 105 | | 105 |
| 18 | 212 | 230 | 43 | 22 | | 22 |
| 19 | 254 | 273 | 54 | 11 | | 11 |
| | | | 55 | | | 3 |
| | | | 56 | 3 | | 3 |
| | | | | | | |
| | | | Total | 3,693 | 1,234 | 4,927 |
| | | | | | | |
| | 3 | | } | (Ma | log 117 | foot |
| | L | | Average | | | |
| | | | I rverage | | | " |
| | | | | , i | | " |
| | | | Per cent: | | | |
| | | | | [rei | nales 25.0 | |
| | $ \begin{array}{c} 1\\ -\\ 2\\ 3\\ 18 \end{array} $ | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ |

Sperm whales.

Table 4.—Size of pregnant female whales caught in the Antarctic in the season 1973/74.

Pelagic whaling.

Fin whales.1)

| Length | Number of pregnant females | Length | Number of pregnant females | | |
|--|--|---|--|----------------------------------|-----|
| $59 \\ 60 \\ 61 \\ 63 \\ 64 \\ 65 \\ 66 \\ 67 \\ 68 \\ 69 \\ 70 \\ 71$ | $1 \\ 1 \\ 1 \\ 1 \\ 10 \\ 24 \\ 18 \\ 19 \\ 14 \\ 22 \\ 25$ | 72 73 74 75 76 77 78 79 Total | $ \begin{array}{r} 29 \\ 31 \\ 24 \\ 8 \\ 4 \\ 2 \\ 2 \\ 255 \end{array} $ | Number of foetuses meas- ured | 255 |

¹) Exclusive of 31 females with no information on pregnancy.

| Length | Number of pregnant females | Length | Number of pregnant females | | |
|--|---|---|--|--|---------------|
| $\begin{array}{c} 43\\ 44\\ 45\\ 46\\ 47\\ 48\\ 49\\ 50 \end{array}$ | $ \begin{array}{r} 1 \\ 6 \\ 12 \\ 29 \\ 47 \\ 83 \\ 81 \\ 116 \\ \end{array} $ | 51 52 53 54 55 56 Total | $ \begin{array}{r} 126 \\ 144 \\ 80 \\ 39 \\ 7 \\ 2 \\ \hline 773 \\ \end{array} $ | Number of foetuses meas- ured of which twin pairs of which triplets | 784 9 1 |

Sei whales.1)

¹) Exclusive of 138 females with no information on pregnancy.

| Minke | whales.1) | |
|-------|-----------|--|
|-------|-----------|--|

| Length | Number of pregnant females | Length | Number of pregnant females | |
|--|---|-------------------------------|---------------------------------------|--|
| 23 24 25 26 27 28 29 30 | $2 \\ 5 \\ 18 \\ 131 \\ 401 \\ 635 \\ 697 \\ 520$ | 31 32 33 38 Total | $207 \\ 25 \\ 1 \\ 1 \\ - 2,643 \\ -$ | Number of foetuses meas- ured2,651 of which twin pairs 8 |

¹) Exclusive of 832 females with no information on pregnancy.

Sperm whales.1)

| Length | Number of pregnant females | |
|--|------------------------------------|--------------------------------------|
| $31 \\ 32 \\ 33 \\ 34 \\ 35 \\ 36 \\ 37 \\ 38 \\ 39$ | $9\\13\\45\\56\\64\\55\\33\\15\\5$ | Number of foetuses meas- ured 295 |
| Total | 295 | |

¹) Exclusive of 397 females with no information on pregnancy.

Table 5.—Whale foetuses measured in the Antarctic in the season 1973/74, by species and groups of size, in each month.

Pelagic whaling.

Fin whale foetuses.

| Groups of size. Engl. feet | Dec. | Jan. | Febr. | March | April | Total |
|--------------------------------------|----------------|----------------|----------------|----------------|---------|-----------------|
| 0′— 0′ 11″ | 3 | 22 | 3 | _ | _ | 28 |
| $1' - 1' 11'' \dots$ | 1 | _ | 3 | _ | _ | 4 |
| $2' - 2' 11'' \dots$ | $\overline{2}$ | 9 | 4 | | | $1\hat{5}$ |
| $3' - 3' 11'' \dots$ | $\overline{5}$ | 4 | $\overline{8}$ | _ | | 17 |
| 4' 4' 11" | $\tilde{5}$ | $\overline{6}$ | ĕ | 1 | - | 18 |
| $\hat{5'}$ — $\hat{5'}$ $\hat{11''}$ | $\ddot{5}$ | 3 | 13 | ī | _ | $\frac{10}{22}$ |
| $6' - 6' 11'' \dots$ | 3 | $\frac{3}{2}$ | 6 | $\frac{1}{2}$ | _ | $\overline{13}$ |
| 7' 7' 11" | $\overline{2}$ | 7 | 8 | $\overline{1}$ | _ | 18 |
| 8′— 8′ 11″ | 1 | 5 | 21 | $\overline{2}$ | - | 29 |
| 9′ 9′ 11″ | 1 | $\overline{4}$ | 18 | | | $\overline{23}$ |
| 10′—10′ 11″ | _ | 6 | 11 | _ | | 17 |
| 11′—11′ 11″ | | _ | 10 | 3 | _ | 13 |
| 12′—12′ 11″ | - | 2 | 12 | 2 | - | 16 |
| 13′—13′ 11″ | | - | 7 | 2 | _ | 9 |
| 14′—14′ 11″ | _ | _ | 2 | 1 | | 3 |
| 15′—15′ 11″ | - | - | 1 | 3 | - | 4 |
| 16′—16′ 11″ | | _ | | 3 | - | 3 |
| 17′—17′ 11″ | - | - | 1 | - | | 1 |
| 18′—18′ 11″ | | - | 1 | | - | 1 |
| 19′—19′ 11″ | | - | | | - | |
| 20'-20' 11" | - | - | - | - | 1 | 1 |
| Total | 28 | 70 | 135 | 21 | 1 | 255 |
| Average size | 4' 4" | 4' 4" | 8' 5" | 11' 7'' | 20' 4'' | 7' 2'' |

| Groups of size. Engl. feet | Dec. | Jan. | Febr. | March | April | Total |
|----------------------------|-----------|--------|--------|-------|--------------------|-----------|
| 0′— 0′ 11″ | 17 | 10 | 3 | - | _ | 30 |
| 1′— 1′ 11″ | 2 | 2 | 1 | | _ | 5 |
| $2' - 2' 11'' \dots$ | 19 | 6 | 3 | - | - | 28 |
| 3'- 3' 11" | 31 | 8 | 10 | | - | 49 |
| 4' | 63 | 23 | 12 | - | - | 98 |
| $5' - 5' 11'' \dots$ | 91 | 43 | 19 | | - | 153 |
| $6' - 6' 11'' \dots$ | 23 | 38 | 27 | 2 | - | 90 |
| 7' 7' 11" | 8 | 50 | 29 | 1 | - | 88 |
| 8′— 8′ 11″ | 1 | 31 | 76 | 6 | - | 114 |
| 9′— 9′ 11″ | 1 | 8 | 62 | 3 | | 74 |
| 10′—10′ 11″ | - | 3 | 29 | 7 | - | 39 |
| 11′—11′ 11″ | - | 1 | 5 | 3 | - | 9 |
| $12'-12' 11'' \dots$ | - | | 1 | 3 | 1 | 5 |
| 13′—13′ 11″ | _ | - | 1 | - | - | 1 |
| 14′—14′ 11″ | - | - | | - | | |
| 15′—15′ 11″ | - | - | - | - | 1 | 1 |
| Total $ $ | 256 | 223 | 278 | 25 | 2 | 784 |
| Average size | 4' 6" | 6' 2'' | 7' 10" | 9' 9" | 14′ 0 [‴] | 6' 4'' |

Sei whale foetuses.

Table No. 5 (continued).

| Groups of size. Engl. feet | Nov. | Dec. | Jan. | Febr. | March | Total |
|----------------------------|----------|--------|-------|--------|--------|-------|
| 0' 0' 11" | 488 | 598 | 236 | 54 | 3 | 1,379 |
| 1′— 1′ 11″ | 139 | 263 | 261 | 118 | 4 | 785 |
| $2' - 2' 11'' \dots$ | 15 | 79 | 131 | 89 | 2 | 316 |
| $3' - 3' 11'' \dots$ | | 10 | 49 | 37 | 1 | 97 |
| 4' 4' 11" | | 3 | 10 | 19 | 3 | 35 |
| $5' - 5' 11'' \dots$ | | - | 3 | 7 | 1 | 11 |
| $6' - 6' 11'' \dots$ | 1 | - | - | 1 | - | 2 |
| 7′— 7′ 11″ | 2 | 2 | - | - | - | 4 |
| 8′— 8′ 11″ | 4 | 7 | 1 | 1 | - | 13 |
| 9′— 9′ 11″ | 2 | 3 | 3 | - | | 8 |
| 10′—10′ 11″ | | 1 | - | - | | 1 |
| Total | 651 | 966 | 694 | 326 | 14 | 2,651 |
| Average size | 0' 8" | 0' 11″ | 1' 6″ | 2' 0'' | 2' 3'' | 1' 2" |

Sperm whale foetuses.

| Groups of size. Engl. feet | Jan. | March | April | Total |
|--|----------|-------|-------|--------|
| 0′— 0′ 11″ | 57 | 45 | 3 | 105 |
| $1' - 1' 11'' \dots \dots$ | 2 | 20 | 1 | 23 |
| $2' - 2' 11'' \dots \dots$ | - | 24 | 1 | 25 |
| 3′— 3′ 11″ | - | 3 | - | 3 |
| $4' - 4' 11'' \dots$ | - | 10 | 1 | 11 |
| $5' - 5' 11'' \dots \dots$ | | 8 | | 8 |
| $6' - 6' 11'' \dots \dots$ | 2 | - | _ | 2 |
| 7′— 7′ 11″ | 5 | 1 | - | 6 |
| 8′— 8′ 11″ | 3 | 4 | | 7 |
| 9′— 9′ 11″ | 13 | 6 | - | 19 |
| 0′—10′ 11″ | 21 | 12 | - | 33 |
| 1′—11′ 11″ | 19 | 7 | | 26 |
| 2′—12′ 11″ | 16 | 8 | - | 24 |
| 3′—13′ 11″ | 1 | 2 | | 3 |
| otal | 139 | 150 | 6 | 295 |
| verage size | 6' 1" | 4' 0" | 1' 4″ | 4' 11" |

Table 6.—Whale foetuses measured in the Antarctic in the season 1973/74, by species and sex, in each month.

| | Number of | | Sex not | Total | Number of |
|-----------------------|------------|---------|------------|------------|--------------------------|
| | males | females | determined | Total | males per 100 females |
| Fin whale foetuses. | | | | | |
| December | 11 | 15 | 2 | 28 | 73 |
| January | 31 | 17 | 22 | 70 | 182 |
| February | 68 | 65 | 2 | 135 | 105 |
| March | 13 | 8 | - | 21 | 163 |
| April | - | 1 | - | 1 | - |
| Total | 123 | 106 | 26 | 255 | 116 |
| Sei whale foetuses. | | | | | |
| December | 125 | 113 | 18 | 256 | 111 |
| January | 117 | 98 | 8 | 223 | 119 |
| February | 140 | 135 | 3 | 278 | 104 |
| March | 12 | 13 | - | 25 | 92 |
| April | 1 | 1 | | 2 | 100 |
| Total | 395 | 360 | 29 | 784 | 110 |
| Minke whale foetuses. | | | | | |
| November | 247 | 254 | 150 | 651 | 97 |
| December | 380 | 437 | 149 | 966 | 87 |
| January | 324 | 357 | 13 | 694 | 91 |
| February | 157 | 163 | 6 | 326 | 96 |
| March | 5 | 7 | 2 | 14 | 71 |
| Total | 1,113 | 1,218 | 320 | 2,651 | 91 |
| Sperm whale foetuses. | | - | | | |
| January | 50 | 43 | 46 | 139 | 116 |
| March | 63 | 48 | 39 | 150 | 131 |
| April | 1 | 2 | 3 | 6 | 50 |
| Total | 114 | 93 | 88 | 295 | 123 |

Grendahl & Søn, Oslo.