

Gulf, called on the Minister and Director before leaving for the scene of their operations. Mr. George has had considerable experience of culturing techniques both in Japan and northern Queensland, and Mrs. George, who is a Japanese, is a graduate of a Tokyo University and has worked for some time at the pearls research laboratory established in the Mio prefecture in Japan.

#### TRAINING PROGRAMME FOR FIELD STAFF

The Minister for Fisheries (Mr. Hutchinson) has approved the attendance of two officers from this Department at the inaugural training school for fisheries officers. Inspector E.A. Carmichael, of Albany, and Technical Officer R.J. McKay have been selected and we extend our congratulations to them.

The school, which is expected to start on September 4, will be held at the headquarters of the Division of Fisheries and Oceanography, C.S.I.R.O., Cronulla, near Sydney, New South Wales. It will be of two to three weeks' duration and will cover a wide range of subjects, including both practical and theoretical instruction in fishing practices and management techniques.

It was a result of discussions at the last two Commonwealth-States Fisheries Conferences that the decision to set up this school was taken. Originally, the matter was placed on the agenda by the W.A. representatives, who expressed the hope that the school would be an annual one, and that graduates would be able later to carry out extension activities in much the same way as extension services to farmers are provided as a regular feature by the various State departments of agriculture.

The Minister has directed that the participants submit a report of their appreciation of the work done on their return. If practicable, these reports will be condensed and published in this Bulletin.

#### WHALING

The 1961 humpback season opened in this State with the taking of two whales by the Choynes Beach Whaling Company at Albany on June 5. Operations at the Nor'-West Whaling Company's station at Carnarvon were somewhat delayed, and the first whale was not taken there until June 29.

Advice was received some weeks ago that the Minister for Primary Industry (Mr. Adermann) had decided that the 1961 humpback whale quotas for west coast stations would be 450 for the Carnarvon station and 105 for Albany. This was a reduction of 300 and 45 in the quotas, granted for the 1960 season. Neither of these was filled.

The Nor'-West Whaling Co. has recently purchased another aircraft, a Piper Apache, which will be used for spotting. The company hopes that the new plane will assist in the location of additional humpback and sperm whales as it is larger than its other aircraft. It will consequently allow aerial observations to be made over a wider area. As there are no restrictions on the number of sperm whales which may be taken the company could, by exploiting them, offset to a large extent the effects of the reduced quota for humpbacks.

#### Whale Marking:

On page 93 is published a summary of the details pertinent to the whale marks recovered at Western Australian stations last year. The published details have been forwarded by the Division of Fisheries and Oceanography, C.S.I.R.O., which received them from Moscow.

To give a clearer picture, details of the marks recovered during 1959 are also included.

#### WATER SUPPLIES AT JURIEB BAY

In February of this year, the Managing Director of Ross International Fisheries (Mr. T.G. Kailis) approached the Minister (Mr. Hutchinson) seeking assistance from the Government in the sinking of a deep bore at Jurieb Bay to obtain regular supplies of potable water. It was pointed out that there were 30 boats operating from this centre and that the company had built a village to cater for the industry. The only water now used is of very poor quality indeed, and the quantities available are totally inadequate for the growing needs of the settlement.

Representations were made immediately to the Minister for Works, who referred the question of the availability of underground supplies to the Government Geologist. Subsequently, in May, the Under Secretary for Works advised that the Government Geologist had reported that while no bores or wells

HUMPBACK WHALE MARKING

FIXING

RECOVERY

Mark Number	Date Fixed	Lat. South	Long. East		Date	Lat. South	Long. East	Location of Station
719	2.2.59	63°47'	111°49'	}	29.6.59	35°02'	117°58'	Albany
720	2.2.59	63°07'			Both in one whale.			
771	2.2.59	63°14'	95°01'		? .9.60	Recovered	in digester	Carnarvon
776	2.2.59	63°44'	112°54'		3.10.60	Found in	grax tank	Carnarvon
1152	25.2.58	63°14'	95°20'		9.9.60	24°38'	112°53'	Carnarvon
1227	10.3.58	63°07'	95°01'		1.8.59	25°04'	113°17'	Carnarvon
1273	20.2.58	63°13'	94°56'		16.8.60	24°37'	112°53'	Carnarvon
1275	21.2.58	63°10'	95°06'		20.8.59	24°42'	112°47'	Carnarvon
1290	22.2.58	63°16'	95°23'		23.9.59	Recovered	in cooker	Carnarvon
1388	8.3.58	63°14'	99°00'		13.7.60	35°05'	118°07'	Albany
1396	15.2.59	64°42'	128°20'		16.9.60	Recovered	in digester	Carnarvon