

MINISTRY OF AGRICULTURE, FISHERIES AND FOOD
FISHERIES LABORATORY, LOWESTOFT, SUFFOLK, ENGLAND

1972-RESEARCH VESSEL PROGRAMME

REPORT: RV CLIONE: CRUISE 13

(PROVISIONAL: Not to be quoted without prior reference to the author)

STAFF

M Greer Walker
A R Margetts
G P Arnold
P G Griffiths
C R Hood

DURATION

Left Lowestoft 1500 h 16 October

Arrived Lowestoft 1100 h 27 October

All times are Greenwich Mean Time

LOCALITY

Southern North Sea

AIM

To determine the efficiency of CORELLA's Granton trawl for catching plaice fitted with acoustic transponding tags.

NARRATIVE

The dome was fitted in IJmuiden between 0215 and 0350 h 17 October and CLIONE reached the working area (Black Bank) at 0900 h. The first fish was released at 0934 h and CORELLA was directed to attack it by CLIONE. On 18 October a heavy swell made work impossible and an attempt to find more sheltered conditions by moving S.E. to the Broad Fourteens was in vain. A temporary respite from the weather enabled 3 fish to be attacked by CORELLA on 19 October but the following day was spent dodging. On 21 October with a forecast of continuing bad weather and westerly winds CLIONE sailed for the Suffolk coast arriving at 2140 h. Two fish were released and attacked off Southwold on 22 October but due to the high noise levels from the bottom CLIONE steamed overnight to the Kentish Knock. Between 23 and 26 October 9 fish were released in this area and attacked by CORELLA. CLIONE left the working area at 1405 h 26 October and reached Harwich for removal of the dome at 1935 h.

RESULTS

The preliminary results are shown in the table below:+

SUMMARY TABLE

CLIONE 13/72

<u>ORIGINAL POSITION</u>	<u>NOT HERDED</u>		<u>HERDED</u>		<u>TOTALS</u>
	<u>Not Caught</u>	<u>Caught</u>	<u>Not Caught</u>	<u>Caught</u>	
Outside doors > 5 m	17	0	-	-	17
< 5 m	7	0	-	-	7
TOTALS	24	0	-	-	24
Inside doors					
Doors	0	0	0	1	1
Bridle	3	0	1	0	4
Wingend	3	1	0	0	4
Net	5	8	0	0	13
TOTALS	11	9	1	1	22
GRAND TOTALS	35	9	1	1	46

61% of the fish in the path of the net and 45% of those occurring between the doors were caught. Only 2 fish were herded and 1 fish occurring outside the doors (but within 5 m) showed an escape reaction. 6 of the 16 fish released were abandoned for various reasons.

EQUIPMENT

Acoustic tags - All 13 tags worked satisfactorily and 6 were lost when the fish were abandoned. C.W. transmissions occurred sporadically in 2 tags.

ARL Scanner There were no important faults.

The Dome The canvas covering has done 2,912½ miles and was in poor condition. Its renewal is in hand.

M Greer Walker
8 November 1972

SEEN IN DRAFT: M R Sutcliffe (Master)

Initialed: AJL

Distribution

Basic List
M Greer Walker
A R Margetts
G P Arnold
P G Griffiths
C R Hood