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

1974 RESEARCH VESSEL PROGRAMME

REPORT: RV CLIONE: CRUISE 17

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

STAFF

M Greer Walker
G Arnold
P Griffiths
G Thacker
J Last
J Horwood

DURATION

Left Lowestoft 1130 h, 19 November

Arrived Lowestoft 0825 h, 28 November

All times are Greenwich Mean Time

LOCALITY

Southern North Sea

AIMS

1. To track maturing plaice caught by RV CORELLA with acoustic tags and the A.R.L. Scanner.
2. To make further tests of the Q.S.M. 2400 spectroradiometer.

NARRATIVE

CLIONE left Lowestoft at 1130 h, 19 November and reached IJmuiden at 2315 h. The dome was fitted and the ship departed at 0300 h, 20 November for the Brown Ridges area (52°30.5'W, 2°55.5'E) and a rendezvous with RV CORELLA. There were no maturing plaice available for tracking so CLIONE steamed to a position S.W. of Smiths Knoll (52°33.2'N, 2°24.0'E) where a laboratory fish was released at 1800 h. This fish was tracked until 1800 h, 21 November. The onset of bad weather then forced CLIONE to dodge until 0700 h, 23 November. That morning was spent examining and measuring CORELLA's mid-water trawl with the ARL scanner as a result of which some improvements were made. A single wild maturing plaice was transferred to CLIONE and released at 1255 h; the position being 53°07'N, 2°40.5'E. This fish was tracked until 1620 h, 24 November. CLIONE then steamed to Dunwich Bay and while sheltering there from gale force winds made a short survey of the area with the A.R.L. Scanner during the afternoon of the 25 November. Passage was made overnight to a position (52°00.2'N, 2°11.00'E) west of the Outer Gabbard where a further fish was released at 1315 h, 26 November when the

weather moderated. This fish was tracked until 0430 h, 27 November. Tests on the spectroradiometer were not possible due to bad weather and during the afternoon CLIONE proceeded to Harwich to remove the dome docking at 2030 h. CLIONE sailed at 2300 h reaching Lowestoft at 0825 h, 28 November.

RESULTS

1. Two laboratory held and one wild maturing plaice were tracked between 2° and 3°E Longitude off the East Anglian coast for periods of between 15 and 30 h. A preliminary analysis suggests that none of these fish showed the clearcut tidal transport mechanism previously observed in inshore waters.
2. The weather was unsuitable for trials with the QSM 2400 Spectroradiometer.
3. Observations and measurements were made on RV CORELLA's Engel trawl.
4. No evidence of ruined buildings were seen in Dunwich Bay.

M Greer Walker
4 December 1974

SEEN IN DRAFT: JRF

HWS

INITIALLED: AJL

DISTRIBUTION:

Basic List

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