

*Mr Bate*

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

1975 RESEARCH VESSEL PROGRAMME

REPORT: RV CLIONE: CRUISE 5

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

STAFF

J A Durance (NIC)  
G C Baxter  
S R Jones  
K J Medler  
J W Read  
A Biddlecombe (Student)

DURATION

Left Lowestoft 1330 h, 2 April

Arrived Lowestoft 0750 h, 11 April

All times are Greenwich Mean Time

LOCALITY

North Sea

AIMS

1. To establish an array of current meter stations in the vicinity of JONSIS 2 to measure the spatial variability of the currents and to provide surface markers for the RAE Doppler navigation trials.
2. To make DRCM measurements adjacent to some of the current meter stations.
3. To make a temperature and salinity survey of an area between Flamborough Head and the River Tyne.
4. To service the JONSIS stations 1 and 2.
5. To recover the array of current meter stations established at the beginning of the cruise.

NARRATIVE

CLIONE sailed from Lowestoft at 1330 h, 2 April and proceeded to a sheltered anchorage in Corton Roads. Three current meter rigs were assembled before the vessel weighed anchor and set course for current meter station B. Overnight the wind increased and the following morning the course was changed first to Flamborough Head and then to the Humber where the vessel anchored at 1300 h. The ship remained at anchor until 1135 h, 4 April when the wind had moderated. The

ship weighed anchor and set course for JONSIS 1 current meter station. On arrival at the station conditions had improved considerably and by 1750 h the new current meter rig had been laid. The old rig was then recovered and at 1945 h the vessel set course for current meter station B. Unfortunately the weather did not hold and the whole of the next day was spent dodging at station B. By the morning of 6 April the wind had dropped, and buoy laying commenced at 0430 h. Current meter stations B, A, C, D and E were layed and JONSIS station 2 was serviced by 1930. At 0600 h the following day a water bottle grid was commenced, but increasing westerly winds restricted activity to the inshore stations and eventually forced work to stop at 2300 h. 8 and 9 April were spent anchored in Bridlington Bay where a new carbon fibre dahn pole was tested for rigidity. By the morning of 10 April the wind had moderated sufficiently to allow the vessel to recover all the current meter stations laid earlier in the cruise and the anemometer from JONSIS station 2 before setting course for Lowestoft. At each station Woodhead sea bed drifters were released. CLIONE docked at Lowestoft at 0750 h the following morning.

#### RESULTS

1. Five of the 7 proposed current meter stations were established and recovered without loss. The proposed RAE Doppler navigation trials did not take place because the helicopter was grounded.
2. The weather was unsuitable for the DRCM measurements (Aim 2) and only a small part of temperature and salinity survey (Aim 3) was completed.
3. Servicing of the JONSIS 1 and 2 was accomplished.

J A Durance  
21 April 1975

SEEN IN DRAFT: GFL, JRF

INITIALLED: AJL

#### DISTRIBUTION:

Basic List  
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