

Miss Howard

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

1970 RESEARCH VESSEL PROGRAMME

REPORT: R V CIROLANA: CRUISE 4

STAFF:

P G W Jones
R R Dickson
A R Folkard
J A Bedwell
S R Jones
R L Keable

DURATION:

Left Grimsby 1600 hours 12 October
Arrived Immingham 2315 hours 29 October

LOCALITY:

Southern Norwegian Sea

AIMS:

1. To examine the structure of the Atlantic current from the Faroe-Shetland Channel to latitude 66°N .
2. To investigate hydrographic variability along the 66°N section.

NARRATIVE:

After leaving Grimsby, CIROLANA sailed northwards to the survey area, stopping to test hydrographic gear in the northern North Sea during the morning of 13 October.

Work commenced on the south eastern part of the survey grid in the southern Norwegian Sea at 1050 hours 14 October. Two sections were completed using the salinity-temperature-depth probe (STD) followed by two sections of expendable bathythermograph (XBT) observations. It was then intended to make further STD observations. However, this proved impossible owing to the bow propeller being out of action and the wind increasing to Force 7. Further XBT measurements were made during steadily deteriorating weather conditions. By 0730 hours 19 October work was no longer possible and the ship dodged in a NW force 10 storm until 1650 hours the following day. Damage sustained during the gale, mainly caused by water filling the fish room through its deck hatch, necessitated a visit to port for repairs. CIROLANA therefore set course towards the Faroes and docked in Torshavn at 1020 hours 21 October. After repairs, the vessel sailed again at 0910 hours 23 October.

At 0550 hours 24 October a section of XBT observations was commenced along latitude 66°N . However, a leak of propeller shaft lubricant from the stern gland, which had become evident during the earlier storm, now increased in severity. After the completion of the section at 2034 hours the same day, the ship set course for Trondheim for an assessment of the fault. The vessel

docked at 1811 hours 25 October and the following day a Lloyd's surveyor confirmed the necessity for a prepair in dry dock. There being no local facilities immediately available, a certificate was issued for the ship to return straight home and the remainder of the survey was cancelled. CIROLANA sailed from Trondheim at 0800 hours 27 October and proceeded to the UK via the southern Norwegian fjords. The vessel docked at Immingham at 2315 hours 29 October for dry docking.

RESULTS:

1. Only about one half of the original survey grid was completed.
2. The 66⁰N section was worked on only one occasion and therefore no assessment of variability will be possible.

P G W Jones
5 November 1970

Initialled: EAB (Master)
GWA (Fishing skipper)

Seen in draft: AJL

DISTRIBUTION:

Basic List

Dr P Jones
Dr Dickson
Mr Folkard
Mr Bedwell
Mr S Jones
Mr Keable