

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

1972 RESEARCH VESSEL PROGRAMME

REPORT: RV CIROLANA: CRUISE 2

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

STAFF

A C Burd
W G Parnell
T J Hulme
Mrs A Houghton
P Winslade
T W Boon
Miss C A Pleasants
Dr M Gee
Dr M Moore
Mr A Oscan

NERC

DURATION

Left Grimsby 1900 h 3 February

Arrived Grimsby 0700 h 16 February

All times are Greenwich Mean Time

LOCALITY

North Sea

AIMS

1. To participate in the ICES Young Herring Survey
2. To make bottom temperature and salinity observations as required by the ICES hydrographer
3. To monitor chlorophyll using a fluorometer for under way sampling
4. To collect herring of the 1969 year class for Dr Portman.

NARRATIVE

CIROLANA proceeded to a position off the River Tees where a trial of the system for handling the kites on the Dutch Herring trawl was made. This proved successful and trawling commenced in the first survey area. During the cruise the gear was fished easily in all sea and wind conditions up to near gale strengths.

Radio contact was maintained with Anton Dorhn, Tridens and Explorer and a daily exchange made.

CIROLANA entered Esbjerg on the evening of 12 February and Mr Burd left the ship next morning to attend the ICES Liaison Committee meeting in Copenhagen. On leaving Esbjerg on the morning of 13 February CIROLANA completed the outstanding stations.

CIROLANA made an attempt to collect a special sample of fish for Dr Portman off the River Tees but this was abandoned after extensive damage to a Dutch Herring trawl and a Granton trawl had been sustained.

CIROLANA docked in Grimsby at 0700 h on 16 February.

RESULTS

Aim 1: From the results of all ships taking part in the survey it would appear that the 1969 year class is still fairly abundant. Areas of high abundance of young herring were found in the south eastern North Sea and in the north western area off the English coast.

Young haddock appeared abundantly in the northern North Sea and some good catches of whiting were made off the English north east coast.

Aim 2: Hydrographic observations were made at trawl stations and the surface thermograph was used throughout the cruise.

Aim 3: Very low levels of chlorophyll A were recorded over the whole area surveyed. A special survey near the Scheldt estuary also gave low readings in the Dutch coastal area.

Aim 4: Material was collected and frozen for Dr Portman.

Miscellaneous: Dr Gee examined all herring samples for parasites. Dr Moore made a collection of parasites from haddock and other gadoids and elasmobranchs.

A C Burd
22 February 1972

SEEN IN DRAFT

WC

GWA

INITIALLED

HAC

DISTRIBUTION

Basic list

A C Burd

W G Parnell

T J Hulme

Mrs A Houghton

P Winslade

T W Boon

Miss C A Pleasants

Dr M Gee

Dr M Moore

Mr A Oscan

} NERC