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to the Laboratory.

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CRUISE REPORT

F.R.S. "CLUPEA"

10th March - 30th April 1965

- Objectives
- (1) To study the production and subsequent dispersal of Clyde herring larvae.
  - (2) To carry out a limited programme of hydrographic sampling.

Herring Larval Surveys

The results of the survey carried out on 10th March indicated that a major hatching of herring larvae on Ballantrae Bank had begun a few days previously. A peak was reached about 12th March. It was estimated that the numbers of newly hatched larvae were greater than in 1964.

Up to the beginning of April the main concentration of larvae was centred on the northern part of the Bank but some larvae had already dispersed northwards to off the south coast of Arran. By mid-April the majority of the larvae had drifted northwards and the main concentrations were located off the north coast of Arran, in Loch Fyne and off the Cumbraes.

Hydrography

Drift bottles were released on Ballantrae Bank on each occasion it was surveyed.

Temperature and salinity samples were taken at surface and near bottom at all stations on Grid II on the first occasion this survey was done.

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29th July, 1965.