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SUMMARY CRUISE REPORT

F. R. S. "SCOTIA"

2nd - 12th November, 1950.

OBJECT:

Hydrographic-plankton survey of the Faroe-Shetland Channel.

RESULTS:

(a) Hydrography.

Upper water temperatures from over 11°C to 8½°C between the Butt of Lewis and Faroe Bank were thus from 1°C to 1½°C above average temperature for the season. Oxygen values were also high on the southern half of this section and phosphate content more or less normal. Lower water layers below 300 metres between the Wyville Thomson Ridge and Faroe Bank showed particularly high oxygen and phosphate contents.

Between Faroe and Shetland temperature conditions were much nearer normal. A pH range of 7.99 to 8.25 was found in the Channel region on trial of a new pH meter.

(b) Plankton.

Calanus was abundant in the region of Faroe. Elsewhere, Euphausiids and Sagitta predominated between Butt of Lewis and the Wyville Thomson Ridge, and Pleurobrachia and Cyanea to the north-west of Shetland. Clupeoid larvae were taken near the Butt of Lewis.

(c) Trawling.

A single trawl haul on the Butt of Lewis ground yielded a fair catch of haddock, hake, gurnard and dogfish mainly.

JOHN B. TAIT.

24th November, 1950.

CIRCULATION:

Mr. W. Russell	Mr. R.S. Wimpenny	Mr. K.M. Rae	Dr. R. Johnston
Capt. C.H. Champness	M. P. Desbrosses	Dr. G. Reay	Mr. R. Tulloch
Mr. M. Graham	Dr. B. Havinga	Dr. H. Wood	Mr. G. Davies
Dr. C.E. Lucas	Dr. A.R. Molander	Dr. J.B. Tait	Mr. N. Nicoll
Dr. J.N. Carruthers	Dr. H. Thomsen	Dr. J.H. Fraser	Spare 5.
Dr. H. Blegvad	Prof. Ch. Gilis	Dr. A. Ritchie	
Dr. A.V. Tøning	Mr. F.S. Russell	Dr. B.B. Rae	
Dr. F. Devold	Mr. E. Ford	Capt. E.A. Bruce.	