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CRUISE REPORT

F.R.S. "CLUPEA"

2nd September - 4th October, 1968

Objective

A herring larval and hydrographic survey off the Scottish east coast.

The programme had to be amended because F.R.S. "Scotia" could not undertake her part of the larval survey due to engine trouble. The survey area for "Clupea" was extended further to the west and north of Orkney.

During the first two weeks the weather was good and "Clupea" first completed the southern part of the survey from  $56^{\circ}50'$  to  $57^{\circ}50'N$  and between the coast and  $0^{\circ}$ , and then almost completed the northern survey from  $57^{\circ}$  to  $59^{\circ}30'N$  and between  $1^{\circ}$  and  $5^{\circ}W$ . Thereafter engine trouble and bad weather hindered operations and only 51 stations were sampled in three weeks. The only sizable concentration of larvae was on the grounds to the west of Orkney.

G. McPherson

D.W. McKay

T. Bruce

26th February, 1969