

R.1/7

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reference to the Laboratory.

CRUISE REPORT

F.R.V. "MARA"

2nd-7th July, 1962.

Bad weather and delays in completing details of the work prevented a start being made until 0030 on the 5th July.

Operations

A number of hauls were made using the heavy trawl with bobbins to starboard, and later with the herring trawl worked from the port side. During this latter, the work was done in company with "Clupea" and the opportunity was taken to compare cruising speeds and normal towing speeds using the respective herring trawls.

On completion of this work "Mara" proceeded to Aberdeen, where arrangements had been made to remove the fore gallows in readiness for the seine-net programme.

The cruising speeds of the vessels were found to be identical with "Clupea" at 560 r.p.m. and "Mara" at ~~590~~. Towing their respective trawls "Mara" was found to be towing about 6% faster than "Clupea". The speeds over the ground were 3.0 knots and 3.2 knots, "Clupea" working at 450 r.p.m. and "Mara" at ~~550~~ r.p.m. and appropriate pitch. Both vessels were well below maximum power in these conditions, the intention being to compare what the ships normally did when herring trawling.

State of vessel

"Mara" is now convenient and pleasant in layout. Her motion at sea is just acceptable. Additional damping or a somewhat reduced metacentric height would make her more comfortable.

R. E. CRAIG.

17/7/62.

~~A~~measured in wheelhouse
~~A~~"Mara" using about 135 B.H.P.