

9/14/68

Cruise Report. 9/68 (Aberdeen University)

R.R.S. John Murray

(Scheduled August 19th - September 13th)

*North west coast of Scotland*

The vessel left Plymouth on August 20th, arrived Oban at 1600 on August 22nd and left there at 1000 on August 23rd after picking up scientific personnel. Until 0830 on August 26th a series of bottom stations was worked on the continental shelf to the west of the Outer Hebrides and offshore into deep water towards Rockall Bank. Engine trouble developed and, with only one engine fully efficient, a new series of stations was planned to the south as it was considered inadvisable to move further offshore.

With excellent weather the cruise continued until Oban was reached, a little ahead of schedule, at 0900 on August 30th. Because of lack of spares the repairs were not completed and "John Murray" left Oban at 1000 on September 1st with only the port engine functioning. This limited the range and a series of stations in the S. Minch were improvised until 2300 on September 4th when S.E. gales necessitated a move to the east side, off Tirce and Coll. At 1800 on September 5th "John Murray" left station as the arrival of spares in Oban was imminent. She docked in Oban at 1000 on September 6th. At 1900 the same day, after further overhaul, the starboard engine was still defective and the remainder of the cruise was conducted by the Marine Superintendent.

Effectively only 3 days out of 25 scheduled was available for the original programme.

A list of the 61 stations worked is attached. The total number of hauls was as follows:

	(Smith-McIntyre grab	-	85
Benthos	(Sanders dredge	-	6
	(Rock dredge	-	22
Isaacs-Kidd midwater trawl		-	11
Neuston net		-	12
Bathythermograph		-	2
Shipek Camera		-	2

*J.H.S. Blaxter*  
J. H. S. Blaxter

12th September 1968.

STATION LIST

<u>Date</u>	<u>Time</u>	<u>Lat. N.</u>	<u>Long.W.</u>	<u>Gear</u>	<u>No. of hauls</u>
23.8.68	1445-2130	56°46'	06°50'	All (test)	
24.8.68	0900-1000	56°30'	08°29'	SMG	3
24.8.68	1130-1200	56°41'	08°28'	Neuston	1
24.8.68	1236-1314	56°47½'	08°27'	SMG	4
24.8.68	1742-1920	57°05'	08°25'	SMG	7
24.8.68	2120-2335	57°22'	08°23'	SMG	4
24.8.68	23.30-2400	57°23'	08°25'	Neuston	1
25.8.68	0150-0210	57°40'	08°20'	SMG	3
25.8.68	0445-0545	57°40'	08°55'	SMG	5
25.8.68	0740-0930	57°40'	09°30'	SMG	5
25.8.68	0953-1010	57°40'	09°30'	SMG	1
25.8.68	1133-1203	57°40'	09°50'	Neuston	1
25.8.68	1315-2300	57°40'	10°05'	SMG	1
25.8.68	2340-0010	57°40'	10°15'	Neuston	1
26.8.68	1135-1205	57°45'	09°47'	Neuston	1
26.8.68	1430-1600	57°40'	10°23'	SD	1
26.8.68	2109-2200	57°32'	10°43'	SD	1
26.8.68	2230-0030	57°30.2'	10°42'	IKMT	1
26.8.68	2330-0010	57°36'	10°10'	Neuston	1
27.8.68	0940-1155	56°57'	11°00'	SD	1
27.8.68	1325-1355	56°47'	11°03'	Neuston	1
27.8.68	1420-1700	56°45'	11°10'	SD	1
27.8.68	2130-2300	56°29'	11°13'	IKMT	1
28.8.68	0100-0130	56°36'	10°57'	Neuston	1
28.8.68	2400-0400	56°33'	11°07'	IKMT	1
28.8.68	0900-1200	56°22'	10°22'	SD	2
28.8.68	1304-1336	56°22'	10°23'	Neuston	1
28.8.68	2050-0045	55°55.9'	10°42'	IKMT	1
29.8.68	0900-1015	56°10'	09°10'	SMG	3
29.8.68	1130-1200	56°11'	08°58'	Neuston	1
29.8.68	1400-1430	56°12'	08°30'	SMG	2
29.8.68	1445-1535	56°11½'	08°26½'	SMG	3

<u>Date</u>	<u>Time</u>	<u>Lat.N.</u>	<u>Long.W.</u>	<u>Gear</u>	<u>No. of hauls</u>
29.8.68	1900-1930	56°07'	07°54'	Neuston	1
29.8.68	2325-2340	56°16'	06°45'	Neuston	1
1.9.68	1920-2030	56°48½'	07°04'	SMG	2
1.9.68	2200-2300	56°48.6'	07°05.2'	IKMT	1
1.9.68	2310-0010	56°51.8'	07°06.8'	IKMT	1
2.9.68	0140-0315	56°52½'	07°21'	IKMT	1
2.9.68	0330-0430	56°57'	07°18'	IKMT	1
2.9.68	0825-1710	56°52½'	07°21'	SMG RD	2 2
2.9.68	1800-1900	56°45½'	07°28'	SMG	3
2.9.68	2135-2235	56°49.6'	07°31.8'	IKMT	1
3.9.68	0025-0140	56°41'	07°46'	IKMT	1
3.9.68	0315-0425	56°38'	07°31'	IKMT	1
3.9.68	0850-2030	56°45½'	07°28'	RD C	10 1
3.9.68	2200-2225	56°52.7'	07°26.9'	SMG	2
3.9.68	2300-2330	56°54.1'	07°21.8'	SMG	2
4.9.68	0005-0030	56°57'	07°20'	SMG	3
4.9.68	0105-0130	56°58.2'	07°15.1'	SMG	2
4.9.68	0225-0250	57°00.9'	07°15.8'	SMG	2
4.9.68	0315-0345	57°02.4'	07°14.9'	SMG	3
4.9.68	0435-0500	57°05.7'	07°11.6'	SMG	2
4.9.68	0840-2000	56°54.1'	07°21.8'	RD C	10 1
5.9.68	0910-0935	56°43'	06°32.6'	SMG	2
5.9.68	1030-1045	56°44.4'	06°38.2'	SMG	2
5.9.68	1200-1220	56°40.4'	06°38.6'	SMG	2
5.9.68	1320-1350	56°41.6'	06°45.7'	SMG	4
5.9.68	1440-1515	56°38.4'	06°40.5'	SMG	3
5.9.68	1533-1600	56°39.3'	06°37.5'	SMG	2
5.9.68	1620-1650	56°40.1'	06°35.2'	SMG	4
5.9.68	1720-1745	56°42.6'	06°30.2'	SMG	2

<u>Abbreviations</u>		
IKMT	Ibaacs Kidd Midwater Trawl	
SMG	Smith-McIntyre Grab	
RD	Rock dredge	
SD	Sanders dredge	
C	Shipek camera	