NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A: GENERAL

1. *NAME OF RESEARCH SHIP* FS 'POSEIDON' *CRUISE NO.* 300/2

2. *DATES OF CRUISE* From: 19/07/2003 To: 06/08/2003

3. *OPERATING AUTHORITY*

Institut fuer Meereskunde an der UniversitatKiel,
Dusternbrooker Weg 20,
D-24105 KIEL,
Germany.

Telephone: (0431) 600-0
Facsimile: (0431) 600-1515
Telex: 67765 dfhh dk
Email: ifm@ifm.uni-kiel.de

4. *OWNER*
(if different from No. 3)

5. *PARTICULARS OF SHIP*

NAME:	FS 'POSEIDON'
NATIONALITY:	German
OVERALL LENGTH:	60,80 metres
MAXIMUM DRAUGHT:	4,6 metres
BRT:	1049 BRT
PROPULSION:	Diesel Electric
CALL SIGN:	DBKV
REGISTERED PORT & NUMBER: *(if registered fishing vessel)*	
TEL:	INMARSAT 00871-1120101
FAX:	INMARSAT 00871-1120102

6. *CREW*

NAME OF MASTER:	H. Mallon
NO. OF CREW:	18

7. *SCIENTIFIC PERSONNEL*

NAME AND ADDRESS OF SCIENTIST IN CHARGE:	Dr. C. Griffiths, SMAS, Oban, UK c/o Dr. T.J. Muller, Institut fur Meereskunde, Dusternbrooker Weg 20, D-24105 Kiel, Germany.
TEL./FAX NO:	+49 (0) 431-600-4161/4151
NUMBER OF SCIENTISTS:	12

8. *GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE*
(with reference to latitude and longitude)

Rockall Channel, Ymir Ridge, Wyville Thomson Ridge, Faeroe Bank, Faeroe Bank Channel and Faeroe Shetland Channel (N56deg>N61deg, W004deg>W014deg).

9. *BRIEF DESCRIPTION OF PURPOSE OF CRUISE*

Occupy Ellet Line hydrographic stations from the Sound of Mull to Rockall.

Cetacean survey using hydrophones in the Rockall Channel and the Minch.

Recover two current meter moorings F & M either side of the Anton Dohrn Seamount.

Geochemical/Biological/Physical transects along and across Wyville Thomson Ridge.

Deploy 2 current meter moorings on the Ymir Ridge and 1 to the East of the Ridge (Darwin Mounds).

10. *DATES AND NAMES OF INTENDED PORTS OF CALL*

None

11. *ANY SPECIAL REQUIREMENTS AT PORTS OF CALL*

None

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART B: DETAIL

1. *NAME OF RESEARCH SHIP* FS 'POSEIDON' *CRUISE NO.* 300/2

2. *DATES OF CRUISE* From: 19/07/2003 To: 06/08/2003

3. *a) PURPOSE OF RESEARCH*

   To conduct Geochemical/Biological/Physical transects in the N.E. Atlantic

   b) GENERAL OPERATIONAL METHODS
   (including full description of any fishing gear trawl type, mesh size, etc.)

   Most of the cruise activity will be based around station work, total number of stations ~50. Maximum water depth will be 2500 m. Underway measurements will be made using a number of oceanographic instruments connected to the ship's non-toxic water supply as well as meteorological measurements and E/S readings. Hydrophones will also be deployed for part of the cruise to survey Cetacean activity. Agissez trawl will be deployed to sample Benthic Communities.

4. *ATTACH CHART*
   (showing (on an appropriate scale) the geographical area of the intended work, positions of intended stations, tracks of survey lines, positions of moored/seabed equipment, areas to be fished)

   See map attached

5. *TYPES OF SAMPLES REQUIRED e.g. Geological/Water/Plankton/Fish/Radioactivity/Isotope and methods by which samples will be obtained (including dredging/coring/drilling)*

Types of samples	**Methods**	**Instruments**
Sediment samples	Lowered package	Kasten, Gravity, NIOZ, SMBA multi and Mega corers, day grab
Seabed photography	Lowered package	Bedhop stills camera
Water column	Lowered package	SBE CTD + water bottle rosette, Vertical plankton nets
Benthic samples	Benthic trawl	Agassiz net
Underway sampling	Acoustic, Atmospheric, sea surface and water measurements	Thermistors, UV, E/S, salinometers, optical, fluorometers, ADCP, XBTs & hydrophones

6. *DETAILS OF MOORED EQUIPMENT*

   DATES:

Deployment	Tentative Recovery	Description	Latitude	Longitude	Depth	Station
	July 2003	Single Point Current meter Thermistors	N57deg 30.41	W012deg 15.01	1806m	F
	July 2003	Thermistors	N57deg 18.11	W010deg 23.87	2224m	M
Jul/Aug 2003	Jul/Aug 2004	Thermistors	N60deg 17.40	W008deg 46.80	710m	N3
Jul/Aug 2003	Jul/Aug 2004	Thermistors	N60deg 13.30	W008deg 37.30	892m	N2
Jul/Aug 2003	Jul/Aug 2004	Thermistors	N59deg 49.86	W007deg 20.34	958m	Darwin

7. *ANY HAZARDOUS MATERIALS*
   (Chemicals, Explosives, Gases, Radioactive etc)
   (use separate sheet, if necessary)

   None

   a) TYPE AND TRADE NAME

   b) CHEMICAL CONTENT (& FORMULA)

   c) IMO IMDG CODE REFERENCE & UN. NO.

   d) QUANTITY & METHOD OF STOWAGE ON BOARD

e) IF EXPLOSIVES GIVE DATE(S) OF DETONATION

- *Method of detonation*
- *Position of detonation*
- *Frequency of detonation*
- *Depth of detonation*
- *Size of explosive charge in Kgs*

8. *DETAIL & REFERENCE OF*

a) ANY RELEVANT PREVIOUS/FUTURE CRUISES

RRS Discovery (257) Sep/Oct 2001

RRS Discovery Aug/Sep 2004

RV Scotia Oct 2003 and May 2004

b) ANY PREVIOUSLY PUBLISHED DATA RELATING TO THE PROPOSED CRUISE

All historical cruise data from previous SAMS cruises has been banked with the British Oceanographic Data Centre, Birkenhead (www.bodc.ac.uk)

9. *NAMES AND ADDRESSES OF SCIENTISTS OF THE COASTAL STATE(S) IN WHOSE WATERS THE PROPOSED CRUISE TAKES PLACE WITH WHOM PREVIOUS CONTACT HAS BEEN MADE*

Professor Graham Shimmield, Scottish Association for Marine Science, Oban, Argyll, Scotland, UK

Dr. Bogi Hanssen, Fisheries Laboratory of the Faroes, Box 3051, FO-110 Torshavn, Faeroe Islands

10. STATE

a) WHETHER VISITS TO THE SHIP IN PORT BY SCIENTISTS OF THE COASTAL STATE CONCERNED WILL BE ACCEPTABLE

Yes

b) PARTICIPATION OF AN OBSERVER FROM THE COASTAL STATE FOR ANY PART OF THE CRUISE TOGETHER WITH THE DATES AND PORTS FOR EMBARKATION/DISEMBARKATION

Yes

c) WHEN RESEARCH DATA FROM THE INTENDED CRUISE IS LIKELY TO BE MADE AVAILABLE TO THE COASTAL STATE AND BY WHAT MEANS

Data will be banked within one year with the British Oceanographic Data Centre. A cruise report will be available 3 months after the completion of the cruise.

PART C: SCIENTIFIC EQUIPMENT

COASTAL STATE: United Kingdom
PORT CALL:
DATES:

11. *COMPLETE THE FOLLOWING TABLE - SEPARATE PAGE FOR <u>EACH</u> COASTAL STATE (indicate "Yes" or "No")*

				DISTANCE FROM COAST		
List of all major Marine Scientific Equipment it is proposed to use and indicate waters in which it will be deployed	*Fisheries Research Within Fishing Limits*	*Research concerning Continental Shelf out to coastal state's margin*	*Within 3 nm*	*Between 3 - 12 nm*	*Between 12 - 50 nm*	*Between 50 - 200 nm*
Bathymetry CTD & water samples Seabed sampling - corers/grabs Seabed photography Plankton nets Acoustic seabed sampling Atmospheric sampling Agissez benthic trawl XBTs Hydrophone survey	No	Yes	Yes	Yes	Yes	Yes
Moorings with current meters, Thermistors, conductivity and pressure sensors	No	Yes	No	No	No	Yes

(On behalf of the Principal Scientist)

Dated

N.B. IF ANY DETAILS ARE MATERIALLY CHANGED REGARDING DATES/AREA OF OPERATION AFTER THIS FORM HAS BEEN SUBMITTED, THE COASTAL STATE AUTHORITIES MUST BE NOTIFIED IMMEDIATELY.