

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A: GENERAL

1. *NAME OF RESEARCH SHIP* "G.O.SARS" *CRUISE NO.* 2003112
2. *DATES OF CRUISE* From: 16/10/2003 To: 06/11/2003
3. *OPERATING AUTHORITY* Institute of Marine Research,
P.O. Box 1870 Nordnes,
N-5817 Bergen, Norway.

Telephone: 47-55238500
Facsimile: 47-55238531
Telex: 42297 OCEANN
4. *OWNER*
(if different from No. 3)
5. *PARTICULARS OF SHIP*

<i>NAME:</i>	"G.O.SARS"
<i>NATIONALITY:</i>	Norwegian
<i>OVERALL LENGTH:</i>	77.5 metres
<i>MAXIMUM DRAUGHT:</i>	7.30 metres
<i>GRT:</i>	4067 tonnes
<i>PROPULSION:</i>	DC-Electric
<i>CALL SIGN:</i>	LMEL
<i>TELEPHONE:</i>	+47 55906440
<i>FAX:</i>	+47 55906440
<i>REGISTERED PORT & NUMBER:</i> (if registered fishing vessel)	BERGEN
6. *CREW*

<i>NAME OF MASTER:</i>	John Hugo Johnsen
<i>NO. OF CREW:</i>	15
7. *SCIENTIFIC PERSONNEL*

<i>NAME AND ADDRESS OF SCIENTIST IN CHARGE:</i>	Rolf J. Korneliussen, Institute of Marine Research, P.O. Box 1870 Nordnes, N-5024 Bergen, Norway
<i>TEL./TELEX/FAX NO:</i>	(47)55236853/42297/(47)55238584
<i>NUMBER OF SCIENTISTS:</i>	9
8. *GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE*
(with reference to latitude and longitude)
Northern North Sea, Southern Norwegian Sea, Waters NW of Scotland.
Outline:

63deg N at Norwegian coast	60deg N, 10deg W
63deg N, 2deg W	58deg N, 10deg W
62deg N, 2deg W	58deg N, Scottish Mainland
62deg N, 3deg W	57deg N, Scottish East coast
61deg N, 3deg W	57deg N, 6deg E
61deg N, 4deg W	Norwegian coast, 6deg E
60deg N, 4deg W	

9. *BRIEF DESCRIPTION OF PURPOSE OF CRUISE*

Acoustic measurement of mackerel and horse mackerel abundance

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

Lerwick, approximately 30 October 2003

11. *ANY SPECIAL REQUIREMENTS AT PORTS OF CALL*

None

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PART B: DETAIL

1. NAME OF RESEARCH SHIP "G.O.SARS" CRUISE NO. 2003112

2. DATES OF CRUISE From: 16/10/2003 To: 06/11/2003

3. a) PURPOSE OF RESEARCH

Acoustic measurement of mackerel and horse mackerel abundance

b) GENERAL OPERATIONAL METHODS

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

Pelagic trawls, fine mesh

CTD

Acoustics EK60 echosounder, SONARs, TOPAS parametric array

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)

The attached chart shows the 2002 survey area, which is approximately the same area expected to be covered in 2003.

5. a) TYPES OF SAMPLES REQUIRED

(e.g. Geological/Water/Plankton/Fish/Radionuclide)

Fish

Zooplankton

Water

b) METHODS OF OBTAINING SAMPLES

(e.g. dredging/coring/drilling/fishing, etc.)

(When using fishing gear, indicate fish stocks being worked, quantity of each species required, quantify of fish to be retained on board)

Fishing: Pelagic trawling at registrations. Normal trawl duration 30 min.

Plankton: 1 m***3-MOCNESS and WP-II vertical net

Water samples: Trawl stations

6. DETAILS OF MOORED EQUIPMENT

DATES: None

<u>Laying</u>	<u>Recovery</u>	<u>Description</u>	<u>Depth</u>	<u>Latitude</u>	<u>Longitude</u>
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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*

b) *ANY PREVIOUSLY PUBLISHED DATA RELATING TO THE PROPOSED CRUISE*

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*

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*

No

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

Report in Norwegian after survey and report to ICES Working Group on the assessment of mackerel, horse mackerel, sardine and anchovy in 2004.

PART C: SCIENTIFIC EQUIPMENT

COASTAL STATE: UK
 PORT CALL: Lerwick
 DATES: 30 October 2003 approx.

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

LIST SCIENTIFIC WORK BY FUNCTION e.g. MAGNETOMETRY GRAVITY DIVING SEISMICS BATHYMETRY SEABED SAMPLING TRAWLING ECHO SOUNDING WATER SAMPLING U/W TV MOORED INSTRUMENTS TOWED INSTRUMENTS	WATER COLUMN INCLUDING SEDIMENT SAMPLING OF THE SEABED	FISHERIES RESEARCH WITHIN FISHING LIMITS	RESEARCH CONCERNING THE NATURAL RESOURCES OF THE CONTINENTAL SHELF OR ITS PHYSICAL CHARACTERISTICS	DISTANCE FROM COAST		
				WITHIN 4 NM	BETWEEN 4 AND 12 NM	BETWEEN 12 AND 200 NM
Trawling	No	No	No	No	Yes	Yes
Echo sounding	No	No	No	Yes	Yes	Yes
Water sampling	No	No	No	No	Yes	Yes

(On behalf of the Principal Scientist)

Dated: 15 May 2003

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.