

UK
(CRUISE
EINGANG
28. JUNI 2005
Bundesanstalt für Landwirtschaft
und Ernährung
CRUISE NO. WH 283 27

28 JUN 2005

Bundesanstalt für Landwirtschaft
und Ernährung 27

CRUISE NO. *WH 28*

TO 17.02.200

Telephone +49 40 38905171 / Telex 214763 *bled* / Fax +494038905128

Bundesrepublik Deutschland

NATIONALITY *German*

MAXIMUM DRAUGHT (METRES) 6.20 metres

NETT TONNAGE 2131 BRZ

PROPULSION Steam Turbine / Diesel / *Diesel Electric*

CALL SIGN DBFR

REGISTERED PORT & NUMBER (if registered fishing vessel)

NAME OF MASTER

NUMBER OF CREW 22

NAME AND ADDRESS OF

SCIENTIST - IN - CHARGE *BFAFi - Institut für Seefischerei*
Palmaille 9
22767 Hamburg

Tel./FAX No. +49 40 38905-224 +49 40 38905-263

NUMBER OF SCIENTISTS 10

North Sea (see attached map, please)

International Bottom Trawl Survey 2006/I

Bergen (Norw.), 01.-04.02.2006

Mid cruise break

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART B. GENERAL

1. NAME OF RESEARCH SHIP *FFS Walther Herwig III* CRUISE NO: *WH 283*
2. DATES OF CRUISE *FROM 18.01.2006* *TO 17.02.2006*

3. a) PURPOSE OF RESEARCH

To take part in the ICES coordinated International Bottom Trawl Survey (IBTS) in the North Sea.

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

- 1. Bottom trawling (net: Grande Overture Vertical (GOV), standard net approved by ICES, codend 10 mm)*
- 2. Biochemical investigations*
- 3. Plankton investigations*
- 4. Hydrographic Investigations*

4. ATTACH CHART showing, at the appropriate scale, the geographical area of the intended work, positions of the intended stations, tracks of survey lines, positions of moored equipment, areas to be fished

Total North Sea from 52° N to 62° N, especially in those squares allocated by ICES (se attached map, please)

- 5 a) TYPES OF SAMPLES REQUIRED e.g. Geological / Water / Plankton /Fish/Radionuclides.

Fish-, plankton-, water samples

- 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, quantity of fish being retained on board)

All fish stocks being worked on according to the ICES manual. No fish is retained on board except scientific samples. Small amounts of fish for direct consumption on board and/or some homepacks for the crew.

6. DETAILS OF MOORED EQUIPMENT: *none*

Dates:	<u>Laying</u>	<u>Recovery</u>	<u>Description</u>	<u>Depth</u>	<u>Latitude</u>	<u>Longitude</u>
--------	---------------	-----------------	--------------------	--------------	-----------------	------------------

None

7. ANY HAZARDOUS MATERIALS: (Chemicals, Explosives, Gases, Isotopes, etc.)
(Use separate sheet if necessary)

(a) TYPE AND TRADE NAME *None*

(b) CHEMICAL CONTENT (& formula) *None*

(c) IMO IMDG CODE Reference & UN No. *None*

(d) QUANTITY & METHOD OF STOWAGE ON BOARD *None*

(e) IF EXPLOSIVES give date (s) of detonation *None*

- 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:

Cruise is part of a standard series coordinated by ICES since the middle of the 1950's

b) ANY PREVIOUSLY PUBLISHED RESEARCH DATA RELATING TO THE PROPOSED CRUISE.
(Attach separate sheet if necessary)

All data are stored and published in the frame of ICES

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

Denmark: *P. Degnbol, Difmar, Hirtshals; P. Munk, DIFR, Charlottenlund*

UK-England: *B. Harley, MAFF, Lowestoft*

UK-Scotland: *K. A. Coull, MARLAB, Aberdeen*

The Netherlands: *R. ter Hofstede, RIVO, IJmuiden*

Norway: *O.M. Smedstad, IMR, Bergen-Nordnes*

10. STATE:

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

YES, please

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

No Problem. Em-/disembarkation by direct arrangement with the chief scientist, well in advance (Bremerhaven, 18.01.2006; Bergen (Norw.), 01.-04.02.2006; Bremerhaven, 18.02.2006) .

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

1. Cruise summary report through official channels; English summary will be available about 4 weeks after the trip

2. Short report latest at the end of April 2006

3. Ices Council Meeting Report, Sept./Oct. 2006

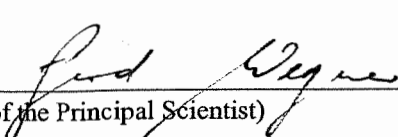
PART-C: SCIENTIFIC EQUIPMENT

COMPLETE THE FOLLOWING TABLE
SEPARATE COPY FOR EACH COASTAL STATE

COASTAL STATE *United Kingdom***PORT CALL** *Bergen (Norw.)***DATES:** ~30 h. during. 01. to 04.02.2006**INDICATE „YES“ OR „NO“****LIST OF SCIENTIFIC
WORK BY FUNCTION**

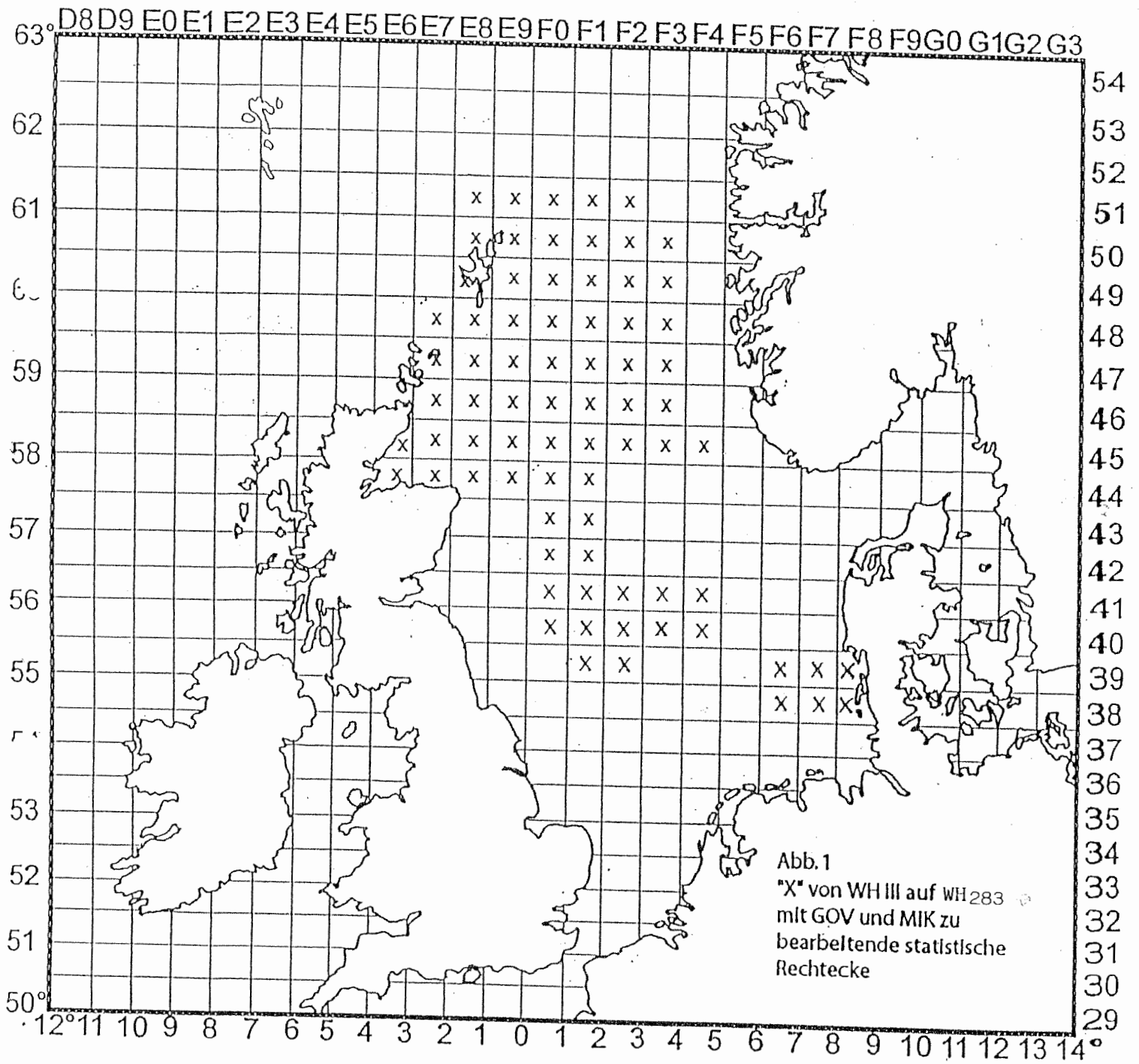
Distance from coast

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	Within 12 NMS	Between 12-200 NM	(Continental shelf work only) Beyond 200 NM but within the continental margin
<i>Echo sounding</i>	<i>yes</i>	<i>yes</i>	<i>no</i>	<i>yes</i>	<i>yes</i>	<i>no</i>
<i>Trawling</i>	<i>yes</i>	<i>yes</i>	<i>no</i>	<i>yes</i>	<i>yes</i>	<i>no</i>
<i>Ichthyoplankton</i>	<i>yes</i>	<i>yes</i>	<i>no</i>	<i>yes</i>	<i>yes</i>	<i>no</i>
<i>CTD profiling</i>	<i>yes</i>	<i>yes</i>	<i>no</i>	<i>yes</i>	<i>yes</i>	<i>no</i>
<i>Water sampling</i>	<i>yes</i>	<i>yes</i>	<i>no</i>	<i>yes</i>	<i>yes</i>	<i>no</i>

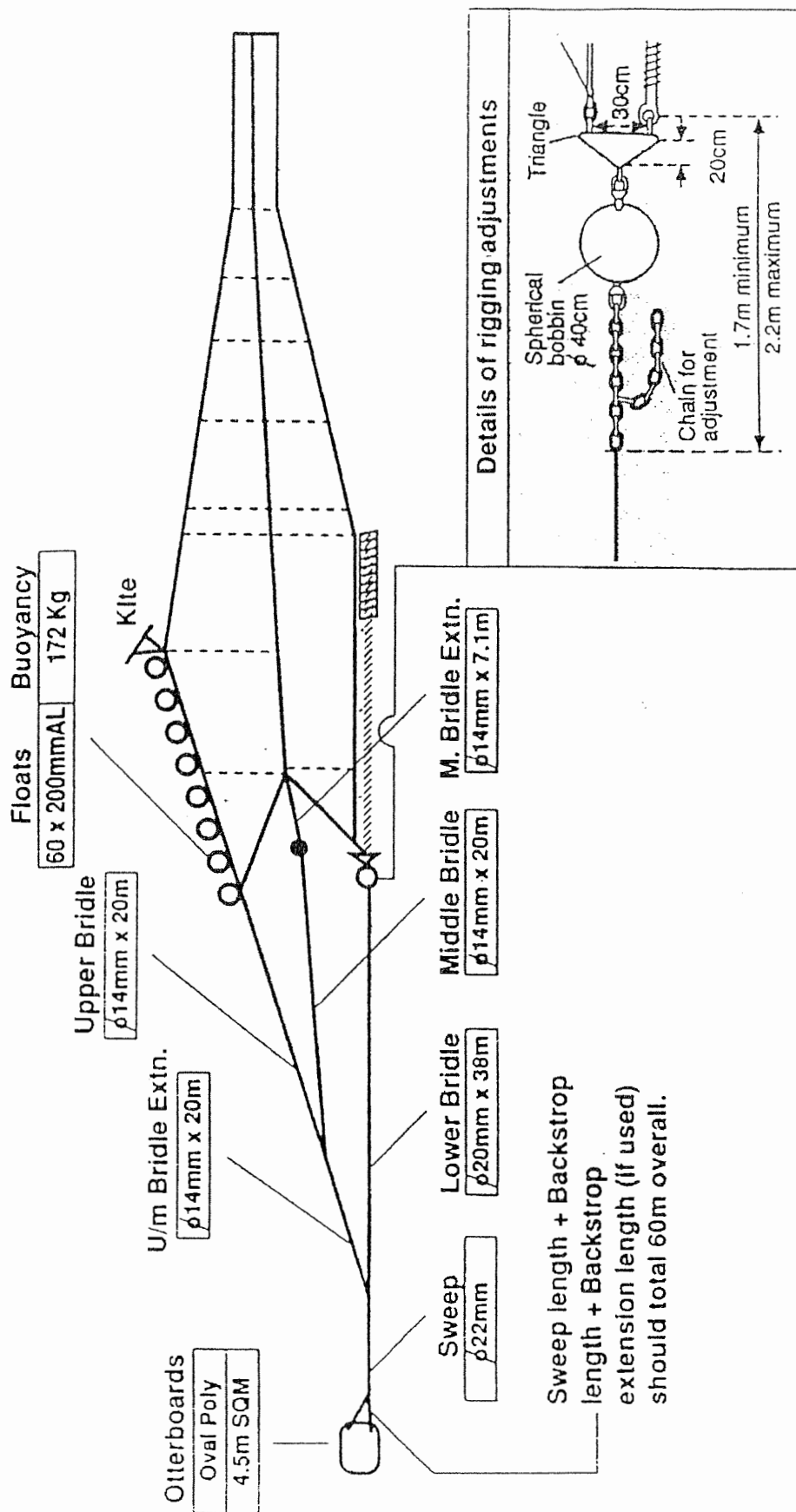

(On behalf of the Principal Scientist)

Dated 23.06.2005

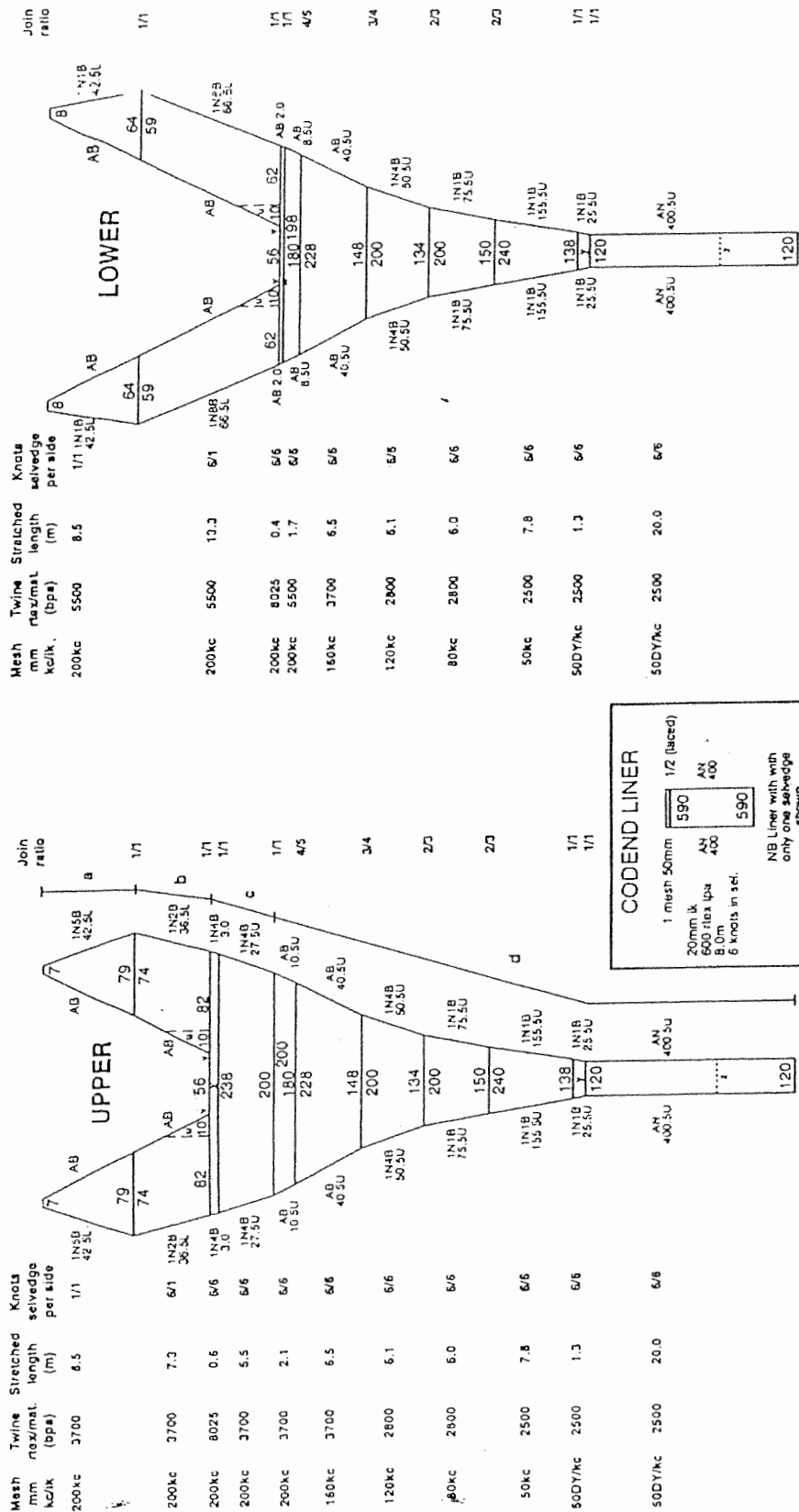
N.B. IF ANY DETAILS ARE MATERIALLY CHANGED REGARDING DATES / AREA OF
OPERATION AFTER THIS FORM HAS BEEN SUBMITTED THE COASTAL STATE AUTHORITIES
MUST BE NOTIFIED IMMEDIATELY



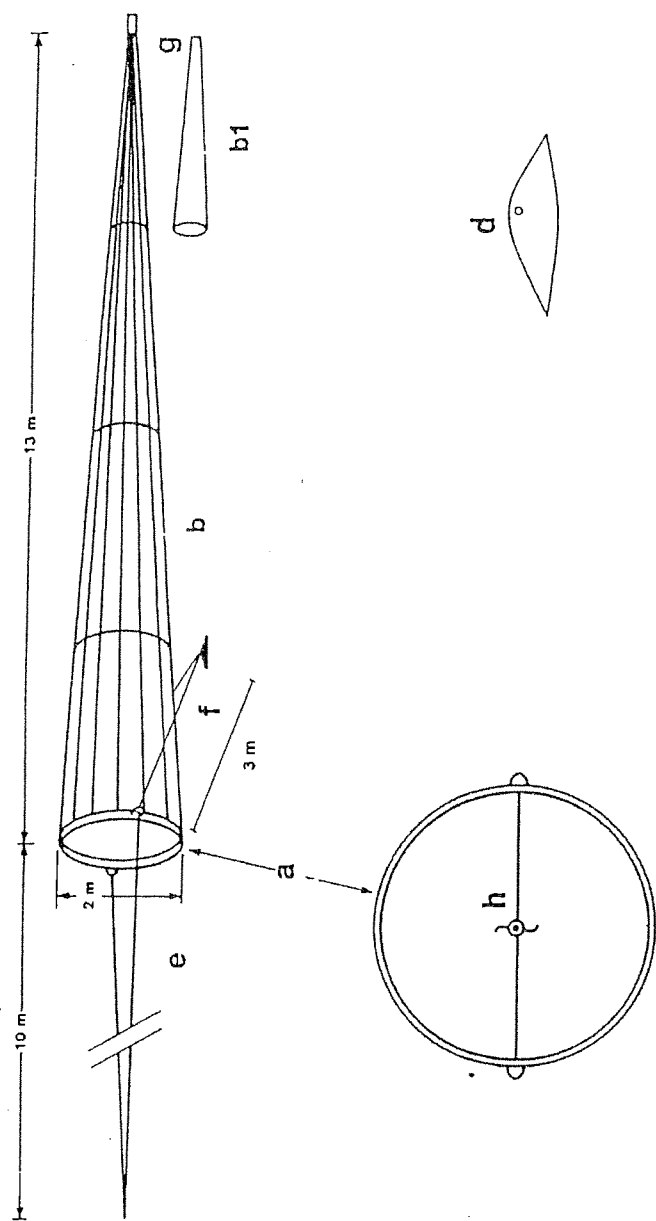
GOV 36/47 GROUND FISH SURVEY TRAWL : Overall rigging diagram



Construction of the 36/47 GOV trawl (adapted from drawings of the Institute des Peches Maritimes, Boulogne/Mer)



Construction of the 36/47 GOV Trawl



Construction and rigging of the MUK trawl. Letters refer to description in the text.