

# R.V. FRANKLIN

## NATIONAL FACILITY OCEANOGRAPHIC RESEARCH VESSEL *RV FRANKLIN*

### RESEARCH PLAN

#### CRUISE FR 5/89

Sails Melbourne 0100 Friday 28 April 1989  
Arrives Coff's Harbour 0900 Thursday 11 May 1989

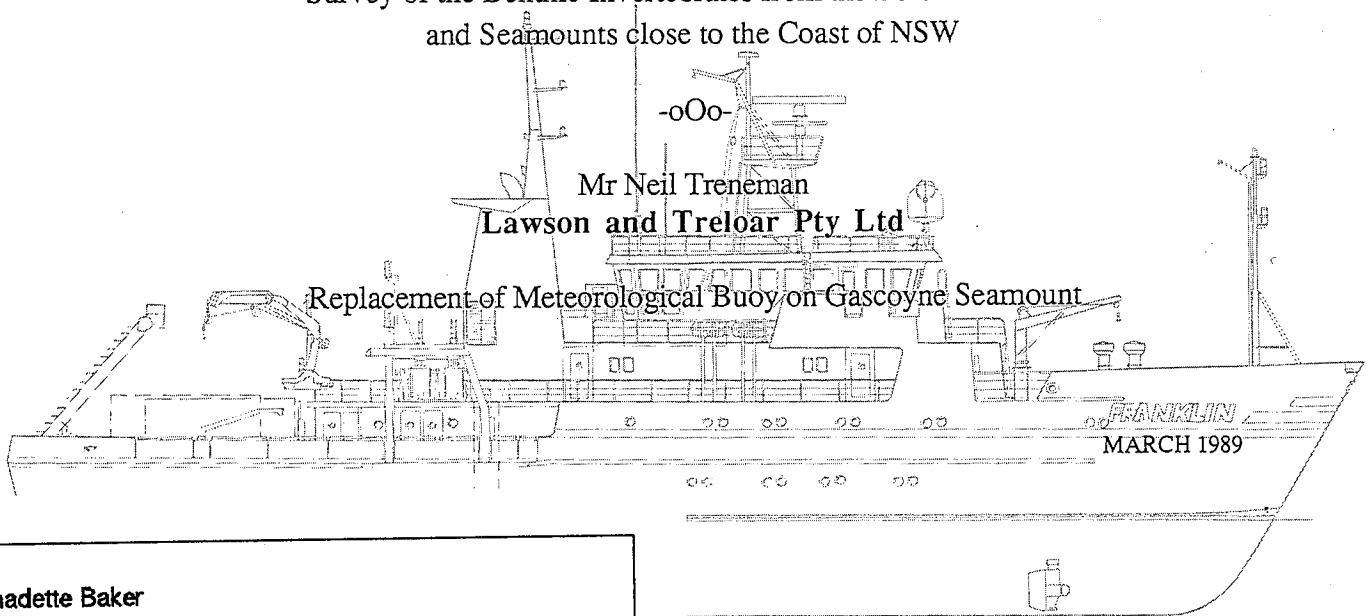
### Principal Investigators

Dr Jim Lowry  
Australian Museum

Survey of the Benthic Invertebrates from the Lord Howe Rise  
and Seamounts close to the Coast of NSW

Mr Neil Treneman  
Lawson and Treloar Pty Ltd

Replacement of Meteorological Buoy on Gascoyne Seamount



Bernadette Baker

CSIRO Division of Oceanography

HOBART

For further information contact

ORV Operations Manager  
c/- CSIRO Division of Oceanography  
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Telex AA 57182



R.V. FRANKLIN IS OWNED AND OPERATED BY CSIRO

**RESEARCH PLAN  
RV FRANKLIN  
FR 5/89**

**PROJECTS**

Survey of the Benthic Invertebrates from the Lord Howe Rise  
and Seamounts close to the Coast of NSW

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Replacement of Meteorological Buoy on Gascoyne Seamount

**ITINERARY**

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**PRINCIPAL INVESTIGATORS**

Dr James Lowry  
Australian Museum - Sydney

Mr Neil Treneman  
Lawson and Treloar - Sydney

**SCIENTIFIC PROGRAM**

To sample on the Lord Howe Rise and prominent seamounts between the NSW coast and the Lord Howe Rise to establish the extent of the fauna on each and to undertake a preliminary investigation of the zoogeographical relationships of those faunas.

To deploy an oceanographic/meteorological buoy on the Gascoyne Seamount and, if time and weather permits, to recover the buoy that is at present deployed there.

**CRUISE LOGISTICS AND TRACK**

After sailing from Melbourne, *Franklin* will proceed to the Gascoyne Seamount to deploy and recover the buoy. A maximum of eight hours will be spent on this task. After sampling, the notional cruise track is to then steam to Taupo Bank, Derwent Hunter Guyot, Elizabeth and Middleton Reefs, Capel Bank, Gifford Seamount and the Queensland/Brittania Seamounts before departing for Coff's Harbour. The actual cruise track will depend on weather conditions.

## ORV EQUIPMENT REQUIRED

Main winch, A-Frame and meter block  
Depth recorder  
Closed circuit TV  
Navigation information  
Deck (container) laboratory

## EQUIPMENT PROVIDED BY USERS

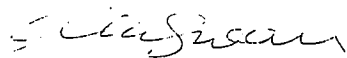
Benthic sledges, beam trawl, grab, traps  
Binocular microscope  
Sieves and sorting trays  
Plastic drums for sample storage

Buoy for deployment

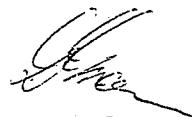
## PERSONNEL

Dr J.K. Lowry	Australian Museum	Chief Scientist
Dr W.D. Rudman	"	
Ms P.B. Berents	"	
Mr R.T. Springthorpe	"	
Mr R. Paterson	"	
Mr G. Avern	"	
Mr N.L. Treneman	Lawson and Treloar	
Mr R.A. Rice	"	
Mr A.M. Forbes	CSIRO - ORV	Cruise Manager
Mr D.W. Edwards	"	
Mr J.R. Dunn	"	

This cruise plan is in accordance with the directions of the National Facility Steering Committee for the Oceanographic Research Vessel *Franklin*.



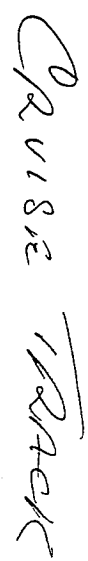
A.D. McEwan  
CSIRO Division of Oceanography



D.H. Green  
National Facility Steering Committee

March 1989

Key  
40 = Streaming time  
22 = Station time



11/28/89