

FRANKLIN

National Facility
Oceanographic Research Vessel

RESEARCH PLAN

FR 3/94

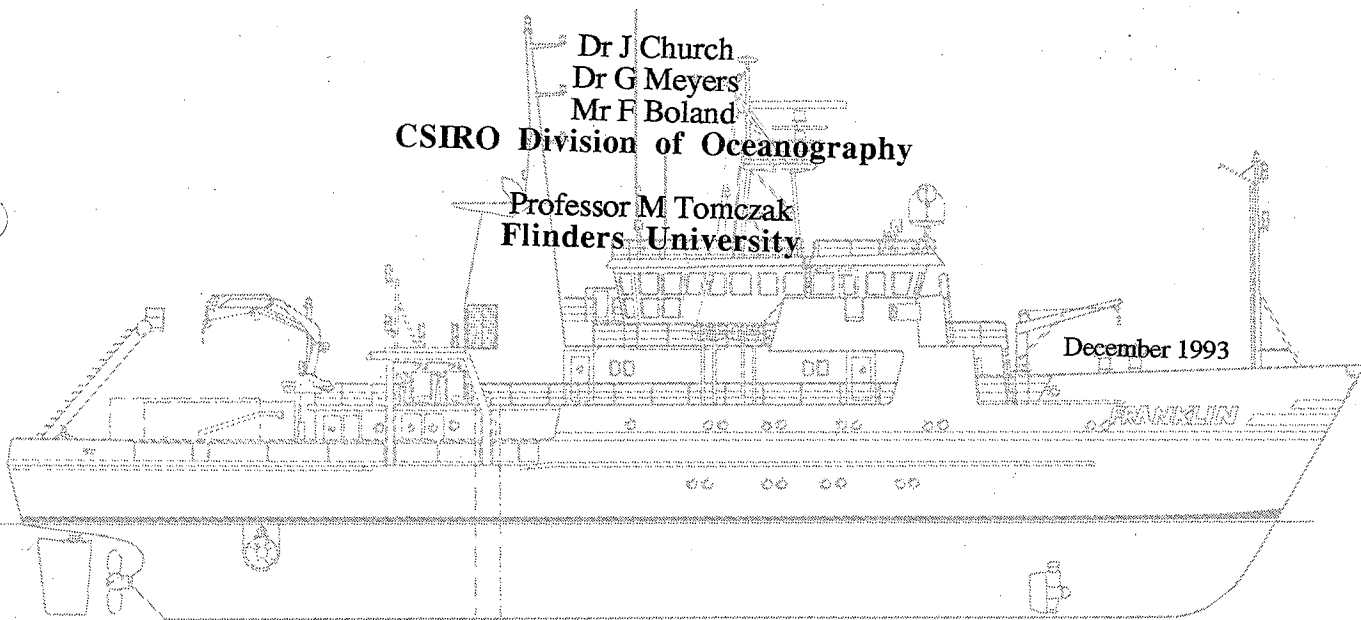
Sail	Hobart	1000	Saturday	5 March 1994
Arrive	Newcastle	1200	Tuesday	29 March 1994

OCEAN TRANSPORT IN THE TASMAN SEA SEASONAL VARIABILITY

Dr J Church
Dr G Meyers
Mr F Boland
CSIRO Division of Oceanography

Professor M Tomczak
Flinders University

December 1993



For further information contact:

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FRANKLIN is owned and operated by CSIRO

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Itinerary

Sail	Hobart	1000	Saturday	5 March 1994
Arrive	Newcastle	1200	Tuesday	29 March 1994

Scientific Program

Ocean transport in the Tasman Sea: seasonal variability

To determine the seasonal variability of the East Australian Current and thus the variability in southward heat flux; to estimate the variability in meridional flow between Tasmania and New Zealand; and to measure the transport in the East Australian Current at 30°S using current meters.

Principal Investigators

Dr J Church
Dr G Meyers
Mr F Boland
CSIRO Division of Oceanography
GPO Box 1538 Hobart Tasmania 7001

Professor M Tomczak
Flinders University
Bedford park SA

Cruise Objectives

To complete a CTD/ADCP/nutrient section, as indicated on the figure.

To recover the current meter array which was deployed on Fr 10/91 and serviced on FR7/92 at 30°S.

Cruise Track

A proposed cruise track is shown on the attached figure. CTD stations are shown as crosses.

ORV Equipment Required

All standard instrumentation including 24 bottle rosette, ACR deck unit, Aanderaa tape reader. We will require a large storage space and clear deck for the mooring work (no container labs).

Equipment to be provided by users
Mooring equipment: backup ACR units.

Time estimates

Steaming time:	12.7 days
Station time	8.2 days
Time for moorings	3 days
Total time	23.9 days
Time available	24 days

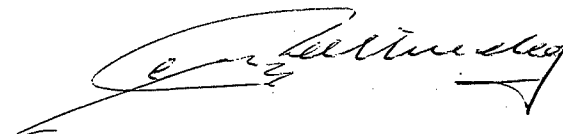
Personnel

John Church	Chief Scientist	CSIRO Oceanography
Fred Boland		"
Kevin Miller		"
Danny McLaughlin		"
Neil White		CSIRO ORV
Phil Adams	"	
Bob Griffiths	"	
Les Drury	"	
2 students		Flinders University

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



G W Paltridge
National Facility Steering Committee

December 1993

Cruise Fr 3/94

