

# Norsk Oseanografisk Datasenter (NOD)

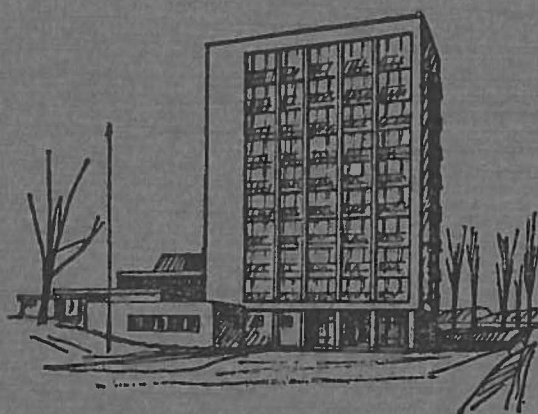
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OCEANOGRAPHIC CRUISE PROGRAMMES

(PLANNED)

NORWAY

1985



FISKERIDIREKTORATETS HAVFORSKNINGSINSTITUTT

BERGEN

NORSK OSEANOGRAFISK DATASENTER

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## INTRODUCTION

This report of the Norwegian Research Vessel Cruise Programme is produced annually for the information of the International Council for the Exploration of the Sea and the Intergovernmental Oceanographic Commission, at their request.

It may also be of interest and use to scientists wishing to know the nature of the research being carried out and the area in which the ships will be operating.

Attempts to include all research vessels have been made. The cruise Programmes are comprehensive for the Institute of Marine Research, Bergen, less so for other Institutions.

With the assistance of Governmental Institutions and Universities, this report is compiled by:

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NORWAY

SCIENTIFIC CLASSIFICATIONS:

- Ab      Biological aphotic zone studies (biological studies in water deeper than several hundred meters).
- Cm      Current measurements (by direct method, such as GEK, current meters, drogues, Swallow floats etc).
- Do      Descriptive oceanography (measurements of temperature, salinity and other dissolved substances required for computation of geostrophic currents and description of water properties).
- Fr      Fisheries research (exploratory fishing, bionomics, sampling, selectivity, tagging, gear experiments etc).
- MS      Marsden square
- Mt      Meteorology (upper air observations - surface weather observations included under "Do").
- Ps      Planktonic studies (phyto- and zooplankton research including fish eggs and larvae, standing crop and primary production, associated measurements or observations mainly in the biological euphotic zone).
- Gg      Geology and geophysics (coring, dredging, seismic studies, heat flow, gravimetric, magnetic measurements, etc).

ABBREVIATIONS:

DNP	Declared National Programme
FD	Directorate of Fisheries, Bergen
FHI	Institute of Marine Research, Bergen
FFI	Norwegian Defence Research Establishment
NDH	Nordland Regional College
NF	Nordland Research Institute
NIVA	Norwegian Institute for Water Research
NOP	National Oceanographic Programme
UiTr	University of Tromsø

R/V "G.O. SARS"

TONNAGE: 1445 BRT

LENGTH OF SHIP: 230 FEET

OWNER AND OPERATING AGENCY:

INSTITUTE OF MARINE RESEARCH, FD.

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS	
7/1 - 16/1	Norwegian Coast 251,252	Fr,Do	Herring Acoustic	DNP/NOP
16/1 - 3/3	Barents Sea 248,249,284,285, 286,287	Fr,Do	Cod,Haddock	DNP/NOP
4/3 - 20/3	Norwegian Coast 251	Fr,Do	Cod	DNP/NOP
20/3 - 3/4	Norwegian Coast 249,250,251,285, 286	Fr,Do		DNP/NOP
3/4 - 15/4	Norwegian Coast 251	Fr,Do	Cod-eggs Acoustic	DNP/NOP
15/4 - 16/5	Barents Sea 283,285,286	Fr,Do	Herring Capelin	DNP/NOP
18/5 - 22/5	Barents Sea 284,285,286	Fr,Do	Capelin	DNP/NOP
15/7 - 28/7	North Sea 216,217,181,252	Fr,Do	Herring 0-group Cod	DNP/NOP
29/7 - 19/8	Barents Sea 248,249,284,285, 286,287	Fr,Do	Capelin	DNP/NOP
19/8 - 6/9	Barents Sea - Svalbard 283,284,285	Fr,Do	0-group	DNP/NOP
6/9 - 9/10	Barents Sea 248,249,284,285, 286,287	Fr,Do	Capelin	DNP/NOP
9/10 - 20/10	Barents Sea 284,285,286,287	Fr,Do	Capelin	DNP/NOP
21/10 - 14/11	Norwegian Coast 251,286,287	Fr,Do	Coalfish 1-group	DNP/NOP
15/11 - 14/12	Norwegian Coast Barents Sea 251,285,286,287	Fr,Do	Herring	DNP/NOP

R/V "MICHAEL SARS"

TONNAGE: 429 BRT

LENGTH OF SHIP: 150 FEET

OWNER AND OPERATING AGENCY: INSTITUTE OF MARINE RESEARCH, FD.

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS
4/1 - 31/1	Barents Sea 284,285,286	Fr,Do	Capelin DNP/NOP
1/2 - 28/2	Norwegian Coast 251	Fr,Do	Cod DNP/NOP
4/3 - 21/3	North Sea 216,217,252	Fr,Do	Herring DNP/NOP
22/3 - 9/4	Norwegian Coast 252	Fr,Do	Cod, eggs Acoustic DNP/NOP
9/4 - 28/4	North Sea 216,251,252	Fr,Do	Silver Smelt Haddock DNP/NOP
29/4 - 25/5	Barents Sea 284,285,286,287	Fr,Do	Shrimp, Cod Haddock DNP/NOP
25/5 - 21/6	Norwegian Coast Barents Sea 284,285,286	Fr,Do	Capelin-larvae DNP/NOP
15/7 - 15/8	Svalbard 286,287	Fr,Do	Shell-fish Cod DNP/NOP
15/8 - 5/9	North Sea 216,252	Fr,Do	Blue Whiting DNP/NOP
6/9 - 10/10	Barents Sea 284,285,286,287	Fr,Do	Capelin Acoustic DNP/NOP
10/10 - 31/10	North Sea Skagerrak 181,215,216	Fr,Do	Demersal fish Shrimps DNP/NOP
4/11 - 30/11	Barents Sea 284,285,286,287	Fr,Do	Shrimps DNP/NOP



M/S "ELDJARN"

TONNAGE: 1043 BRT

LENGTH OF SHIP: 60,3 M

OPERATING AGENCY:

INSTITUTE OF MARINE RESEARCH, FD.

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS
3/1 - 27/1	Barents Sea 284,285,286,287	Fr,Do	DNP/NOP
28/1 - 21/2	North Sea 181,216,217,252	Fr,Do	0-group Cod Herring DNP/NOP
21/2 - 20/3	Norwegian Coast 251,252	Fr,Do	Herring Acoustic DNP/NOP
20/3 - 3/4	Norwegian Coast 251,252	Fr,Do	Cod-eggs Acoustic DNP/NOP
9/4 - 19/4	Norwegian Coast 252	Fr,Do	Herring-larvae DNP/NOP
19/4 - 12/5	Norwegian Coast 251	Fr,Do	Cod-larvae DNP/NOP
12/5 - 1/6	Norwegian Coast 251,252	Fr,Do	0-group coal- fish DNP/NOP
17/6 - 15/7	Norwegian Coast 252,285,286	Fr,Do	Cod parr DNP/NOP
16/7 - 28/7	North Sea 181,216,217	Fr,Do	Herring 0-group cod DNP/NOP
29/7 - 19/8	North Sea Svalbard 251,252,286,287	Do,Fr	Blue Whiting Capelin, Herring DNP/NOP
19/8 - 6/9	Barents Sea Svalbard 285,286,287	Fr,Do	0-group fish DNP/NOP
6/9 - 12/12	Svalbard 286,287	Fr,Do	Cod DNP/NOP
25/10 - 8/12	North Sea Skagerrak-Kattegat 181,215,215,252	Fr,Do	0-group Herring Acoustic DNP/NOP

R/V "HAKON MOSBY"

TONNAGE: 499 BRT

LENGTH OF SHIP: 140 FEET

OWNER AND OPERATING AGENCY:

UNIVERSITY OF BERGEN, UIB

CRUISE DATA	CRUISE AREA	PROGRAMME	COMMENTS	RESPONSIBLE AGENCY	
7/1 - 14/1	Norwegian Coast 216,252	Gg		UIB	NOP
31/1 - 5/2	Norwegian Coast 216	Ps	Benthos	UIB	NOP
7/2 - 28/2	North Sea 216	Fr,Do,Ps	Acoustic Coalfish	FHI	NOP
12/3 - 19/3	North Sea 216,252	Fr,Ab	Trawl-survey	UIB	NOP
20/3 - 25/3	North Sea 216	Ab	24-hours variation	UIB	NOP
27/3 - 5/4	Norwegian Coast 252	Fr,Do	Cod	FHI	NOP
9/4 - 30/4	North Sea 216,252	Fr,Ps	Trawl Acoustic	FHI	NOP
2/5 - 2/6	North Sea 216,252	Gg	Seismic	UIB	NOP
4/6 - 23/6	Norwegian Fjords 252	Gg		UIB	NOP
26/7 - 2/8	North Sea 216,252	Fr	Trawl-survey	UIB	NOP
3/8 - 18/8	Barents Sea 285,286,287	Ab,Cm,Do, Fr,Mt,Ps	PRO-MARE	UIB	NOP
20/8 - 5/9	Barents Sea 285,286,287	Fr,Do	0-group Cod	FHI	NOP
7/9 - 23/10	Golf Stream 252	Cm,Do	Mesoscala	UIB	NOP
3/11 - 12/11	Norwegian Fjords	Gg	Seismic	UIB	NOP

R/V "G.M. DANNEVIG"

TONNAGE: 55 BRT

LENGTH OF SHIP: 65 FEET

OWNER AND OPERATING AGENCY: Biological Station, Flødevigen, FD

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS	
Monthly	Skagerrak 215	Do,Ps	Hydrography	DNP/NOP
21/1 - 25/1	Norwegian Coast 215	Do,Fr	Cod	DNP/NOP
28/1 - 29/1	Norwegian Fjords 215	Fr,Do	Sprat	DNP/NOP
30/1 - 8/2	Norwegian Coast 215	Fr,Do	Cod	DNP/NOP
4/3 - 5/3	Norwegian Fjords 215	Fr,Do	Sprat	DNP/NOP
28/3 - 29/3	Norwegian Fjords 215	Fr,Do	Sprat	DNP/NOP
12/4	Norwegian Fjords 215	Do,Ps	Environmental Studies	DNP/NOP
15/4 - 16/4	Norwegian Fjords 215	Fr,Do	Sprat	DNP/NOP
6/5 - 7/5	Norwegian Fjords 215	Fr,Do	Sprat	DNP/NOP
20/5 - 24/5	Skagerrak 215	Do,Ps	Oyster	NOP
28/5 - 8/6	Skagerrak 215	Do,Ps	Piggvar	NOP
20/6	Norwegian Fjords 215	Do,Ps	Environmental Studies	NOP
5/8 - 9/8	Skagerrak 215	Do,Ps	Oyster	DNP/NOP
14/5	Norwegian Coast 215	Do,Ps	Mussels	NOP
15/5	Norwegian Coast 215	Do,Ps	Environmental Studies	NOP

R/V "G.M. DANNEVIG" (Cont.)

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CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS	
19/5 - 23/5	Skagerrak 215	Fr,Do,Ps	Environmental Studies	DNP/NOP
16/9 - 5/10	Norwegian Coast 215,216	Do,Ps	0-group fish	DNP/NOP
23/10 - 1/11	Skagerrak 215	Do,Ps	Plankton	DNP/NOP
4/11 - 8/11	Skagerrak 215	Fr,Do,Ps	Environmental Studies	DNP/NOP
14/11	Norwegian Coast 215,216	Do,Ps,Fr	Mussels	NOP
18/11 - 6/12	Skagerrak 215	Do,Ps,Fr	Fish	NOP
10/12	Norwegian Coast 215,216	Do,Ps	Environmental Studies	NOP

R/V "RAUD"

TONNAGE: 56 BRT

LENGTH OF SHIP: 57 FEET

OWNER AND OPERATING AGENCY: NORDLAND REGIONAL COLLEGE, BODØ.

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CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS	
1985	Norwegian Coast 251	Fr,Do,Ps,Cm,Ab		NOP

OCEAN WEATHER STATIONS

The letters shown under the column "CRUISE AREA" indicate the ocean stations at the following positions:

Ami - 71°30'N, 19°00'E  
M - "Mike" 66°00'N, 2°00'E

M/V "POLARFRONT"

TONNAGE: 936 BRT

LENGTH OF SHIP: 180 FEET

OPERATING AGENCY:

METEOROLOGICAL INSTITUTE, OSLO

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CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS
Continuous	M	Do	Data at UiB
	-	Mt	Data at Meteorological Institute, Oslo

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R/V "HARRY BORTHEN"

TONNAGE: 48 BRT

LENGTH OF SHIP: 64 FEET

OWNER AND OPERATING AGENCY:

TRONDHEIM BIOLOGICAL STATION

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CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS
1985	Norwegian Coast	Fr,Do,Ps	Various cruises

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R/V "DR. FRIDTJOF NANSEN"

TONNAGE: 600 BRT

LENGTH OF SHIP: 152 FEET

OPERATING AGENCY:

INSTITUTE OF MARINE RESEARCH, FD

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS
CRUISE I 27/1 - 15/2	Angola, Zaire, Congo, Gabon 35,36,333,335	Fr, Do, Ps	DNP/NOP
CRUISE II 15/4 - 20/6	Angola, Zaire, Congo, Gabon 35,36,333,335	Fr,Do, Ps	DNP/NOP
CRUISE III 2/8 - 30/9	Angola, Zaire, Congo, Gabon 35,36,333,335	Fr,Do,Ps	DNP/NOP
CRUISE IV 2/11 - 19/12	Angola, Zaire, Congo, Gabon 35,36,333,335	Fr,Do,Ps	DNP/NOP

R/V "JOHAN RUUD"

TONNAGE: 300 BRT

LENGTH OF SHIP: 100 FEET

OWNER: UNIVERSITY OF TROMSØ

CRUISE DATA	CRUISE AREA	PROGRAMME	COMMENTS	RESPONSIBLE AGENCY
9/4 - 20/4	Norwegian Coast 251	Fr,Do	Cod-eggs Spawning	FHI NOP
5/8 - 31/8	Svalbard 285,286,287,288	Fr,Do		UiTr NOP
4/11 - 30/11	Norwegian Coast 251,285,286,287	Fr,Do	0-group Herring	FHI NOP
Various	Norwegian Coast	Fr,Do,Ps		UiTr NOP

CHARTERED VESSELS

Several vessels have been chartered by the Institute of Marine Research for fisheries research. Approximately 26 cruises are planned for 1985, and will cover the North Sea, Barents Sea, Shetland as well as the Norwegian coastal area.

The Institute has also observers on board vessels conducting investigations in the Barents Sea and East-Greenland areas.