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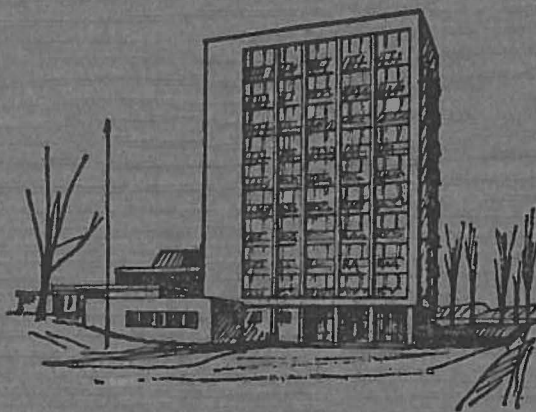
# Norsk Oseanografisk Datasenter (NOD)

Oceanographic Cruise Programmes

(Planned)

NORWAY

1984



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.

Norsk Oseanografisk Datasenter

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NORWAY

SCIENTIFIC CLASSIFICATIONS:

- Ab Biological aphotic zone studies (biological studies in waters 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 reasearch (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
VHL	River and Harbour Laboratory

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
3/1 - 27/1	Barents Sea 248,249,284, 285,286,287	Fr,Do	Capelin NDP/NOP
27/1 - 23/3	Barents Sea 248,249,284 285,286,287	Fr,Do	Cod Haddock DNP/NOP
26/3 - 18/4	Atlantic Sea 180,181,217	Fr,Do	Blue Whiting DNP/NOP
24/4 - 2/5	Norwegian Coast 251,252	Fr,Do	Herring egg Cod eggs DNP/NOP
2/5 - 26/5	Barents Sea 248,249,284 285,286,297	Fr,Do	Cod, Haddock Shell Fish DNP/NOP
28/5 - 18/6	Barents Sea 284,285,286	Fr,Do	Capelin DNP/NOP
10/7 - 1/8	North Sea 216,217,181 252	Fr,Do	Herring Norway pout DNP/NOP
1/8 - 19/8	Barents Sea Svalbard 283,284,285	Fr,Do	Capelin DNP/NOP
19/8 - 7/9	Barents Sea Svalbard 284,285,286 287	Fr,Do	0-group fish DNP/NOP
7/9 - 1/10	Barents Sea 248,249,284, 285,285,287	Fr,Do	Capelin DNP/NOP
3/10 - 28/10	Jan Mayen Iceland 217,218,253, 254	Fr,Do	Capelin DNP/NOP
30/10 - 23/11	North Sea Skagerrak 215,216,217, 181,252	Fr,Do	Consention and Industrial fish DNP/NOP

F/F "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
3/1 - 29/1	Barents Sea 284,285,286	Fr,Do	Capelin DNP/NOP
30/1 - 2/3	Norwegian Coast 251	Fr,Do	Codfish DNP/NOP
5/3 - 30/1	Atlantic Sea 180,181,216	Fr,Do	Blue Whitting DNP/NOP
1/4 - 18/4	Norwegian Coast 251,252	Fr,Do	Codfish DNP/NOP
24/4 - 23/5	Barents Sea 284,285,286	Fr,Do	Cod,Haddock Shell-fish DNP/NOP
24/5 - 14/6	Norwegian Coast Barents Sea 284,285,286	Fr,Do	Capelin- larvae DNP/NOP
15/6 - 26/6	North Sea Skagerrak 181,215,216	Fr,Do,Ps	Mackrel egg DNP/NOP
15/7 - 19/8	Svalbard 286,287	Fr,Do	Cod,Shell- fish DNP/NOP
19/8 - 7/9	Barents Sea Svalbard 284,285,286 287	Fr,Do	0-group fish DNP/NOP
7/9 - 1/10	Barents Sea 284,285,286	Fr,Do	Capelin DNP/NOP
5/10 - 20/10	North Sea Skagerrak 215,216,252, 181	Fr,Do,Ps	Shell-fish Consemtien fish,Industrial fish,Herring DNP/NOP
22/10 - 6/11	Norwegian Fjords 216,251,252	Fr,Do	Herring Sprat DNP/NOP
10/11 -5/15	North Sea 216,181,252	Fr,Do	Consemtion fish 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
24/1 - 19/2	North Sea 181,216,217, 252	Fr,Do	Herring DNP/NOP Demersal Fish
20/2 - 11/3	Norwegian Coast 251,252	Fr,Do	Herring DNP/NOP
11/3 - 23/3	Norwegian Coast Barents Sea 251,285,286, 287	Do	DNP/NOP
23/3 - 2/4	Norwegian Coast 285,286	Fr,Do	Capelin DNP/NOP
2/4 - 9/4	Norwegian Coast 251	Fr,Do	Cod-eggs DNP/NOP
10/4 - 18/4	Norwegian Coast 251,252	Fr,Do	Cod-larvae DNP/NOP Herring- larvae
24/4 - 5/5	Norwegian Coast 251,252	Fr,Do	Silver smelt DNP/NOP
5/5 - 19/5	Norwegian Coast 251	Fr,Do	Cod-larvae DNP/NOP
19/5 - 25/6	Norwegian Coast Barents Sea 285,286,287	Fr,Do	Capelin DNP/NOP 1-group Herring
27/6 - 1/8	North Sea Skagerrak 181,215,216	Fr,Do	Mackrel-eggs DNP/NOP Norway Pout
1/8 - 19/8	Norwegian Coast 251,252	Fr,Do	Blue whiting DNP/NOP 0-group Herring
19/8 - 7/9	Barents Sea Svalbard 285,286,287	Fr,Do	0-group fish DNP/NOP
7/9 - 10/10	Svalbard 286,287	Fr,Do	Cod DNP/NOP
10/10- 15/11	Barents Sea 285,286,287	Fr,Do	Cod,Haddock DNP/NOP

RV "JOHAN RUUD"

Tonnage: 300 BRT

Length of ship: 100 feet

Owner: University of Tromsø

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS	RESPONSIBLE-AGENCY
Monthly (Except July-Aug., November-December)	Ullsfjord, Troms 251	Fr	Trawl	UITr NOP
9/1 - 12/1	Norwegian Fjords 251	Fr, Do	Squid Roughead Grenadier	UITr NOP
25/1 - 3/2	Norwegian Fjords 251, 286, 287	Fr, Do	Halibut	UITr NOP
6/2 - 8/2	Norwegian Fjords 251	Fr, Do	Squid, Roug- head Grenadier	UITr NOP
13/2 - 16/2	Norwegian Fjords 251	Fr, Do	Halibut	UITr NOP
20/2 - 22/2	Norwegian Fjords 251	Fr, Do	Acoustic	UITr NOP
11/3 - 13/3	Norwegian Fjords 251	Fr, Do	Roughead Grenadier Squid	UITr NOP
14/3 - 17/3	Norwegian Fjords 251	Fr		UITr NOP
19/3 - 10/4	Norwegian Fjords 251	Fr, Do, Ps	Cod-eggs	FHI NOP
11/4 - 12/4	Norwegian Fjords 251	Fr, Do	Squid	UITr NOP
18/4 - 14/5	Norwegian Fjords 251	Fr, Do, Ps	Cod-eggs Larvae Environmental studies	FHI NOP
18/5 - 24/5	Norwegian Fjords 251, 285, 286 287	Fr, Do	Shrimp Capelin	UITr NOP
11/6 - 22/6	Norwegian Coast Spitsbergen 251, 252, 287	Fr, Do	Roughead Grenadier Squid	UITr NOP
24/6 - 20/7	Norwegian Coast 251, 285, 286, 287	Fr, Do	Cod-larvae	FHI NOP

RV "HAKON MOSBY"

Tonnage: 499 BRT

Length of ship: 140 feet

Owner and operating agency: University of Bergen, UIB

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS
3/2 - 6/2	Norwegian Coast 216,252	Ps	NOP
7/2 - 13/2	Norwegian Coast 215,216	Gg	NOP
6/3 - 9/3	Norwegian Coast 215,216	Ps	NOP
10/3 - 25/3	Norwegian Sea 216	Gg	NOP
26/3 - 29/3	Norwegian Coast	Ps	NOP
30/3 - 9/4	Norwegian Coast 215,216,252	Fr	NOP
10/4 - 12/4	Norwegian Coast 215,216	Ps	NOP
21/5 - 26/5	North Sea 215,216,252	Ps	Benthos NOP
27/5 - 11/6	Norwegian Coast 251,252	Gg	Seismic NOP
12/6 - 17/7	Fram-strait 288,253,936	Do	Mizex NOP
18/7 - 23/7	Svalbard 286,287	Fr,Do,Ps	NOP
24/8 - 29/8	North Sea 216	Fr	NOP
5/9 - 23/9	Svalbard 286,287	Gg	Seismic NOP
24/9 - 1/10	Jan Mayen 217,218,253, 254	Do	NOP
4/10 - 7/10	Norwegian Coast 215,216	Ps	NOP
13/11-18/11	North Sea	Gg	NOP
19/11-25/11	Norwegian Sea	Do,Ps	Benthos NOP

R/V "JOHAN RUUD" (forts.)

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CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS	RESPONSIBLE AGENCY	
21/7 - 31/7	Barents Sea 286,287	Gg		UITr	NOP
6/8 - 1/9	Svalbard 286,287	Fr,Do		UITr	NOP
3/9 - 7/9	Norwegian Coast 251,286	Fr,Do	Plancton Krill	UITr	NOP
12/9 - 17/9	Norwegian Coast 251,287	Fr,Do	Roughead Grenadier Squid	UITr	NOP
5/11 - 6/11	Norwegian Fjords 251	Fr,Do		UITr	NOP
7/11 - 10/12	Norwegian Coast 251,252,285 286	Fr,Do	0-group Herring	FHI	NOP

F/F "RAUD"

Tonnage: 56 BRT

Length of ship: 57 feet

Owner and operating agency: Nordland Regional College, Bodø

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS	
9/1 - 11/1	Norwegian Fjords 251	Fr,Ps	Herring	NOP
30/1 - 8/2	Norwegian Fjords 251	Fr,Ps	Environmental Studies	NOP
16/2 - 23/2	Norwegian Fjords 251	Do,Ps	Environmental studies	NOP
24/2	Norwegian Fjord	Fr,Do	Grenadier	NOP
2/4	Norwegian Fjord	Fr,Do	Grenadier	NOP
2/5 - 9/5	Norwegian Fjord	Ps	Algae	NOP
14/5	Norwegian Fjord 251	Do,Fr	Grenadier	NOP
15/5 - 25/5	Norwegian Fjord 251	Do,Ps	Environmental studies	NOP
25/6	Norwegian Fjord	Fr,Do	Grenadier	NOP
20/8	Norwegian Fjord	Fr,Do	Grenadier	NOP
1/10	Norwegian Fjord	Fr,Do	Grenadier	NOP
2/10 - 12/10	Norwegian Fjord 251	Do,Ps	Environmental studies	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	Do,Ps	Hydrography	DNP/NOP
23/1 - 3/2	Norwegian Fjord 215	Do,Fr	Broodstock	DNP/NOP
26/3 - 7/4	Norwegian Fjord 216,252	Do,Ps,Fr	Sprat	NOP
11/4	Norwegian Fjord 215	Do,Ps	Environmental studies	NOP
28/5 - 23/6	Norwegian Fjord 216,262	Do,Fr,Ps	Sprat	DNP/NOP
28/6	Norwegian Fjord 215	Do,Ps	Environmental studies	NOP
2/7 - 14/7	Norwegian Fjords 216,252	Do,Ps,Fr	Sprat	DNP/NOP
16/8	Norwegian Fjord 215	Do,Ps	Environmental studies	DNP/NOP
3/9 - 7/9	Skagerrak 215	Ps	Algae	DNP/NOP
17/9 - 6/10	Norwegian Fjords 215,216	Do,Ps	0-group fish	DNP/NOP
29/10-9/11	Norwegian Coast 215,216	Do,Ps,Fr		
14/11	Norwegian Fjord 215	Do,Ps	Environmental studies	DNP/NOP
26/11- 7/12	Skagerrak 215	Do,Fr	Cod	DNP/NOP

M/S "LANCE"

Tonnage: 1160 BRT

Length of ship: 202 Feet

Responsible agency: The Norwegian Polar Research Institute

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS	
18/7 - 15/8	Svalbard	Do,Ps		DNP/NOP
7/8 - 31/8	Fram Strait 253,288,901 036	Gg		

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
1984	Norwegian coast 251,252	Fr,Do,Ps	Various cruises

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M/S "GECO DELTA"

Responsible agency: Norwegian Petroleum Directorate

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CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS
March/April July/August	Barents Sea 286,287	Gg	Seismic

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M/S "SEISMARINER"

Responsible agency: Norwegian Petroleum Directorate

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CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS
March/April July/August	Norwegian Continental Shelf 252	Gg	Seismic

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M/S "LIV PROFILER" or M/S "NINA PROFILER"

Responsible agency: Norwegian Petroleum Directorate

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CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS
August	Norwegian Coast	Gg	Seismic

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"T. BRAARUD"

Owner: University of Oslo

Operating agency: Norwegian Institute for Water Research, Oslo

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS
1984	Norwegian Fjords	Do,Ps	Environmental studies NOP

"B. FØYN"

Owner: University of Oslo

Operating agency: Norwegian Institute for Water Research, Oslo

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS
3/5	Tønsbergfj.	Ps	Environmental studies NOP

Local Wessels have been chartered by Norwegian Institut for Water Research. 3 cruises are planned in 1984, and will cover Fjords (Oslofjorden) in March and October.

R/V "H.U.SVERDRUP"

Tonnage: 295 BRT

Length of ship: 128 feet

Owner: Norwegian Defence Research Establishment,

Division for Underwater Warfare

CRUISE DATE	CRUISE AREA	COMMENTS
Febr./Nov.	Norwegian Fjords Norwegian Sea 215,216,251 252	



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
21/1 - 30/1	Pakistan Coast 102	Fr,Do,Ps	DNP
11/2 - 23/2	South-Yemen Coast 67,68	Fr,Do,Ps	DNP
28/2 - 21/3	Somalia Coast 67,68 31	Fr,Do,Ps	DNP
9/3 - 21/3	Etiopian Coast 68,69	Fr,Dp,Ps	DNP
29/4 - 18/5	Oman Coast 67,102,103	Fr,Do,Ps	DNP
19/5 - 31/5	Iran Coast 102,103	Fr,Do,Ps	DNP
1/6 - 12/6	Pakistan Coast 102	Fr,Do,Ps	DNP
11/8 - 27/8	South Yemen Coast 68,68	Fr,Do,Ps	DNP
28/8 - 7/9	Somalia Coast 31,67,68	Fr,Do,Ps	DNP
11/9 - 30/9	Oman Coast 67,102,103	Fr,Do,Ps	DNP

OCEAN WEATER 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 "POARFRONT"

Tonnage: 936 BRT

Length of ship: 180 feet

Operating agency: Meteorological Institute, Oslo

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS
Continuos	M	Do	Data at UIB
	-	Mt	Data at Meteorological Institute Oslo

CHARTERED VESSELS

Several vessels have been chartered by the Institute of Marine Research for fisheries research. Approximately 29 cruises are planned for 1984, 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.

2 airplanes have been chartered for counting of Common Seal in Rogaland and Finnmark.