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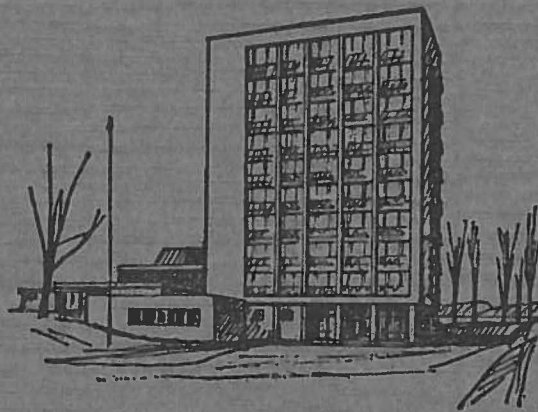
Oceanographic Cruise Programmes

(Planned)

NORWAY

1982

May 1982



FISKERIDIREKTORATETS HAVFORSKNINGSINSTITUTT
BERGEN

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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 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
NOP	National Oceanographic Programme
UiT	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	
5/1 - 20/1	Barents Sea 248, 249, 284, 285, 286, 287	Fr, Do	Capeline	DNP/NOP
21/1 - 6/3	Barents Sea 248, 249, 284, 285, 286, 287	Fr, Do	Cod	DNP/NOP
5/3 - 7/4	Norwegian Sea, Norwegian Coast 251, 287	Fr, Do	Silver Smelt Haddock Cod, Blue Whiting	DNP/NOP
13/4 - 25/4	Norwegian Coast 251	Fr, Do, Ps	Cod - egg and larvae	DNP/NOP
26/4 - 14/5	Barents Sea 248, 249, 284, 285, 286, 287	Fr, Do	Capeline	DNP/NOP
15/5 - 24/5	Norwegian Coast 251	Fr, Do, Ps	Cod-larvae	DNP/NOP
25/5 - 11/6	Barents Sea 248, 249, 284, 285, 286, 287	Fr, Do, Ps	Capeline	DNP/NOP
8/7 - 18/7	Shetland 217, 252	Fr, Do	Herring	DNP/NOP
19/7 - 9/8	Norwegian Sea 252	Fr, Do, Ps, Cm	Oilspill experiment	NOP
10/8 - 20/8	Norwegian Sea 251, 252	Fr, Do	Blue Whiting	DNP/NOP
21/8 - 6/9	Barents Sea 284, 285, 286	Fr, Do, Ps	0-group fish	DNP/NOP
8/9 - 7/10	Barents Sea 284, 285, 286	Fr, Do	Capeline	DNP/NOP
8/10 - 29/10	Norwegian Sea 217, 218, 252	Fr, Do	Capeline	DNP/NOP
2/11 - 2/12	North Sea, Skagerak 181, 215, 217, 252	Fr, Do	0-group Herring and other fish	DNP/NOP

R/V "JOHAN HJORT"

Tonnage: 697 BRT

Length of ship: 172 feet

Owner and operating agency: Institute of Marine Research, FD.

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS
5/1 - 24/1	North Sea 181, 216	Fr, Do	Sprat DNP/NOP
25/1 - 28/2	Norwegian Coast 252	Fr, Do	Cod NOP
1/3 - 7/4	Norwegian Coast Norwegian Sea 252, 286, 287	Fr, Do	Capeline DNP/NOP
13/4 - 30/4	Norwegian Coast 251, 252	Fr, Do, Ps	Herring-larvae Environmental studies NOP
2/5 - 15/5	Norwegian Coast 251	Fr, Do, Ps	Cod - egg and larvae DNP/NOP
1/6 - 31/7	North Sea 181, 216	Fr, Do, Ps	Mackerel egg DNP/NOP
2/8 - 20/8	Norwegian Sea 251, 252	Fr, Do	Blue Whiting DNP/NOP
21/8 - 6/9	Barents Sea 284, 285, 286	Fr, Do, Ps	0-group fish DNP/NOP
8/9 - 6/10	Barents Sea 284, 285, 286	Fr, Do	Capeline DNP/NOP
9/10 - 29/10	North Sea 181, 216, 252	Fr, Do	Herring-larvae DNP/NOP
1/11 - 22/11	Norwegian Fiords 251	Fr, Do	0-group Sprat Herring 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	
5/1 - 25/1	Barents Sea 284, 285, 286	Fr, Do	Capeline	DNP/NOP
27/1 - 22/2	North Sea 181, 216	Fr, Do, Ps	International Herring Survey	DNP/NOP
23/2 - 7/3	Norwegian Coast 252	Fr, Do	Herring	DNP/NOP
9/3 - 3/4	Atlantic Sea 180,181	Fr, Do	Blue Whiting	NOP
13/4 - 30/4	Norwegian Coast 251, 286, 287	Fr, Do	Silver Smelt	NOP
1/5 - 30/5	Barents Sea Svalbard 284, 285, 286	Fr, Do	Schrimps	DNP/NOP
1/6 - 23/6	Barents Sea 285, 286, 287	Fr, Do, Ps	Capeline-larvae	DNP/NOP
12/7 - 31/7	Norwegian Sea 253	Fr, Do	Capeline	DNP/NOP
2/8 - 19/8	Norwegian Sea 253, 287, 288	Fr, Do	Blue Whiting	DNP/NOP
21/8 - 6/9	Barents Sea 284, 285, 286	Fr, Do	0-group fish	DNP
7/9 - 11/10	Bjørnøya - Svalbard 286, 287	Fr, Do	Cod, Haddock	DNP/NOP
15/10 - 10/11	Norwegian Coast 251, 252, 285, 286	Fr, Do	Silver Smelt Blue Whiting	NOP
15/11 - 15/12	North Sea 216, 217, 252	Fr	Sprat	NOP

R/V "KRILL"

Length of ship: 25 feet

Owner: Institute of Marine Research, FD

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS	RESPONSIBLE AGENCY	
14/6 - 10/7	Norwegian Fiords 252	Fr	Shell-fish	FHI	NOP
12/7 - 30/7	Norwegian Fiords 252	Fr	Shell-fish Eel	FHI	NOP
2/8 - 1/9	Norwegian Fiords 252	Fr	Eel	FHI	NOP

"H.H. GRAN"

Length of ship: 47 feet

Owner: Norwegian Institute for Water Research

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS	
1982	Norwegian Fiords 215, 216	Ab, Cm, Do	Environmental studies	NOP

R/V "HARRY BORTHEN"

Tonnage: 48 BRT

Length of ship: 64 feet

Owner and operating agency: Trondheim Biological Station

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

R/V "JOHAN RUUD"

Tonnage: 300 BRT

Length of ship: 100 feet

Owner: University of Tromsø

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS	RESPONSIBLE AGENCY	
4/1 - 10/1	Norwegian Fiords 251, 252			UiT	NOP
14/1 - 20/1	Norwegian Coast 251, 286	Fr, Do, Ps	Capeline Halibut Environmental studies	UiT	NOP
24/1 - 30/1	Norwegian Coast 286	Fr, Do, Ps	Halibut Environmental studies	UiT	NOP
10/2 - 22/2	Norwegian Coast 285, 286	Fr, Do, Ps	Krill	UiT	NOP
1/3 - 10/3	Norwegian Coast 285, 286	Fr, Do, Ps	Schrimps	UiT	NOP
15/3 - 20/3	Norwegian Coast 251, 286	Fr, Do, Ps	Capeline Environmental studies	UiT	NOP
21/3 - 10/4	Norwegian Coast 251	Fr, Do, Ps	Egg, acoustic Plankton Environmental studies	FHI	NOP
15/4 - 25/4	Norwegian Fiords 286	Fr, Do, Ps	Capeline Plankton Environmental studies	UiT	NOP
26/4 - 3/5	Norwegian Coast 251	Fr, Do	Cod-larvae Environmental studies	FHI	NOP
10/5 - 25/5	Norwegia Coast 285, 286	Fr, Do	Capeline Environmental studies	FHI	NOP
26/5 - 4/6	Norwegian Coast 251, 286	Gg		UiT	NOP

R/V "JOHAN RUUD"

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS	RESPONSUBLE AGENCY	
5/6 - 14/6	Norwegian Coast 285, 286	Fr, Do	Schrimps, Cod Capeline	FHI	NOP
15/6 - 22/6	Norwegian Coast 285, 286	Fr, Do	Capeline	UiT	NOP
24/6 - 31/7	Norwegian Coast 251, 252, 285, 286	Fr, Do, Ps	0-group fish	FHI	NOP
1/8 - 20/8	Svalbard	Fr, Do, Ps	Schrimps Plankton	UiT	NOP
23/8 - 28/8	Norwegian Sea 217, 252, 287, 288	Ps		UiT	NOP
29/8 - 5/9	Norwegian Coast 286	Fr, Do, Ps	Acoustic Plankton	FHI	NOP
6/9 - 25/9	Norwegian Coast, 251, 285, 286, 287	Fr, Do, Ps	Schrimps Environmental studies	UiT	NOP
10/10 - 20/10	Norwegian Coast 286	Fr, Do	Environmental studies, Cod	FHI	NOP
24/10 - 27/10	Norwegian Coast 251, 286	Fr, Do	Environmental studies, Cod	UiT	NOP
4/11 - 8/11	Norwegian Coast 251, 286	Fr, Do	Cod, Herring Capeline	UiT	NOP
9/11 - 16/11	Norwegian Coast 286			FHI	NOP
22/11 - 12/12	Norwegian Sea 251, 252, 287, 288	Fr, Do	0-group Herring Sprat	FHI	NOP
16/12 - 19/12	Norwegian Coast 251, 286	Fr, Do	Capeline Cod, Herring	UiT	NOP

R/V "HÅKON MOSBY"

Tonnage: 499 BRT

Length of ship: 140 feet

Owner and operating agency: University of Bergen

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS	
16/1 - 23/1	Norwegian Sea 216, 252	Do, Ps, Gg	Benthos	NOP
25/1 - 4/2	Norwegian Coast 216, 252	Do, Cm	Front studies	NOP
5/2 - 12/2	Norwegian Coast 216, 252	Do, Cm		NOP
23/2 - 3/3	Norwegian Coast 216, 252	Cm, Ps, Do	Front studies	NOP
4/2 - 15/3	Jan Mayen 253	Do		NOP
16/3 - 25/3	Norwegian Coast 252	Fr, Do	Herring	NOP
26/3 - 30/3	Norwegian Coast 216, 252	Ps		NOP
27/4 - 30/4	Norwegian Coast 216, 252			NOP
1/5 - 20/5	Norwegian Coast 252	Gg		NOP
21/5 - 31/5	Norwegian Coast 287	Ps, Do, Cm		NOP
19/7 - 3/8	Norwegian Coast 216, 252	Fr, Do, Ps, Gg	Oil spill	NOP
4/8 - 11/8	Norwegian Coast 216, 252	Fr, Do, Ps		NOP
12/8 - 11/8	Norwegian Coast 251, 252, 287, 288	Fr, Do, Ps	Benthos	NOP
25/8 - 29/8	Norwegian Coast 216, 252	Fr, Do, Ps		NOP
31/8 - 10/9	Jan Mayen 253	Fr, Do		NOP

R/V "HÅKON MOSBY"

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS
15/10 - 7/11	North Sea 251, 252, 287, 288	Fr, Do, Ps	NOP
8/11 - 14/11	Norwegian Coast 216, 252	Fr, Do	NOP
15/11 - 30/11	Norwegian Sea 216, 252	Fr, Do, Ps	NOP
2/12 - 10/12	Norwegian Fiords	Ice	NOP

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	PROGRAMME	COMMENTS
6/2 - 11/2	Norwegian Coast 216, 252		NOP
24/3 - 26/4	Norwegian Sea 215, 252, 287, 288		NOP
27/4 - 16/5	Norwegian Coast 216, 252		NOP
1/6 - 13/6	Skagerak 215, 216		NOP
14/6 - 27/6	Norwegian Coast 216, 252		NOP
16/8 - 19/9	Norwegian Sea 251, 252, 287, 288		NOP
27/9 - 9/10	Skagerak 215, 216		NOP
18/10 - 31/10	Norwegian Coast 215		NOP

M/S "EMERALD"

Length of ship: 184 feet

Responsible agency: Norwegian Petroleum Directorate

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS
June/July	Norwegian Sea 251, 286, 287	Gg	NOP
Aug.	Barents Sea 284, 285, 286	Gg	NOP

OCEAN WEATHER STATIONS

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

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

M/V "POLARFRONT"

Tonnage: 935 BRT

Length of ship: 180 feet

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS	
Continues	<u>M</u>	Do	Data at UiB	DNP
		Mt	Data at Meteorological Institute, Oslo	

M/V AMI

Tonnage: 300 BRT

Length of ship: 140 feet

Operating agency: Norwegian Petroleum Directorate

1982	Tromsøflaket	<u>Am</u>	Do	Data at FHI	DNP
			Cm	Data at VHL	
			Mt	Data at Meteorological Institute, Oslo	

M/S "LANCE"

Tonnage: 1160 BRT

Length of ship: 202 feet

Owner: The Hydrographic Office of Norway, Stavanger

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS	
Jan. - July	North Sea		Mapping/hydrography	NOP
Sept. - Dec.	216, 252			