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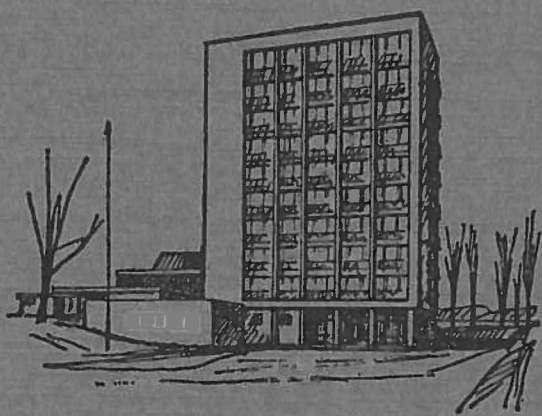
Oceanographic Cruise Programmes
(Planned)

NORWAY

1981

4 SEPT. 1987

24 April 1981



FISKERIDIREKTORATETS HAVFORSKNINGSINSTITUTT
BERGEN

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INTRODUCTION

This report of the Norwegian Research Vessels 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.

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	Capelin	DNP/NOP
21/1 - 6/3	Barents Sea 248, 249, 284, 285, 286, 287	Fr, Do	Cod	DNP/NOP
8/3 - 4/4	North Sea Atlantic Sea 181, 216, 217	Fr, Do, Ps	Blue Whiting Squid	DNP/NOP
6/4 - 15/4	Norwegian Coast North Sea 217, 252	Fr, Do	Cod	DNP/NOP
22/4 - 2/5	Norwegian Coast 251, 252	Fr, Do	Silver Smelt Capelin and other fish	NOP
3/5 - 16/5	Barents Sea 248, 249, 284, 285, 286, 287	Fr, Do, Ps	Capelin	DNP/NOP
18/6 - 11/7	Barents Sea 248, 249, 284, 285, 286, 287	Fr, Do, Ps	Capelin	DNP/NOP
13/7 - 29/7	North Sea 217, 252	Fr, Do, Ps	Herring 0-group Blue Whiting	DNP/NOP
31/7 - 19/8	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	Capelin	DNP/NOP
9/10 - 31/10	Norwegian Sea 218, 217, 252	Fr, Do	Capelin	DNP/NOP
4/11 - 2/12	North Sea, Skagerrak 217, 252, 215, 181	Fr, Do	Blue Whiting 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	
4/1 - 29/1	North Sea 216, 181	Fr, Do	Sprat	DNP/NOP
31/1 - 1/3	Norwegian Coast 252	Fr, Do	Cod	NOP
1/3 - 1/4	Norwegian Coast Norwegian Sea 252, 286, 287	Fr, Do	Capelin	DNP/NOP
5/4 - 15/4	Norwegian Coast 251, 252	Fr, Do	Herring-larvae Environmental studies	NOP
22/4 - 10/5	Norwegian Coast 251, 252	Fr, Do	Herring-larvae Environmental studies Cod-larvae	NOP
9/6 - 31/7	North Sea, Skagerrak 252, 216, 181	Fr, Do, Ps	Mackerel - egg and larvae	DNP/NOP
2/8 - 19/8	Barents Sea 284, 285, 286	Fr, Do, Ps	Capelin	DNP/NOP
21/8 - 6/9	Barents Sea 284, 285, 286	Fr, Do, Ps	0-group fish	DNP/NOP
7/9 - 6/10	Barents Sea 284, 285, 286	Fr, Do	Capelin	DNP/NOP
9/10 - 29/10	North Sea 252, 216, 181	Fr, Do	Herring-larvae	DNP/NOP
2/11 - 3/12	North Sea, Skagerrak, Norwegian Sea 252, 216, 181	Fr, Do	Sprat, 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	
5/1 - 25/1	Barents Sea 284, 285, 286		Capelin	DNP/NOP
27/1 - 22/2	North Sea 216, 181	Fr, Do, Ps	International Herring Survey	DNP/NOP
23/2 - 14/3	North Sea 252	Fr, Do, Ps	Coalfish Pollution	DNP/NOP
16/3 - 15/4	Atlantic Sea 180, 181	Fr, Do	Blue Whiting	NOP
22/4 - 10/5	Norwegian Coast 252, 286, 285	Fr, Do	Cod-larvae Environmental studies	NOP
12/5 - 15/6	Barents Sea 284, 285, 286	Fr, Do	Schrimps	NOP
11/7 - 31/7	Norwegian Sea 253	Fr, Do	Capelin Schrimps	NOP
2/8 - 19/8	Norwegian Sea, Norwegian Coast 253, 288, 252, 251	Fr, Do	Blue Whiting Silver Smelt 0-group fish	DNP/NOP
21/8 - 6/9	Barents Sea 284, 285, 286	Fr, Do	0-group fish	DNP
7/9 - 11/10	Svalbard- Barents Sea 284, 285, 286	Fr, Do	Cod, Haddock, Blue Whiting, Schrimps	DNP
13/10 - 14/11	Norwegian Coast 252, 251, 286	Fr, Do	Silver Smelt, Blue Whiting, Squid	NOP
17/11 - 17/12	North Sea		Sprat	NOP

R/V "Dr. FRIDTJOF NANSEN"

Tonnage: 600 BRT

Length of ship: 152 feet

(Owner and) operating agency: Institute of Marine Research, FD

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS
Jan./Febr.	Gulf of Oman 102, 103	Fr, Do, Ps	DNP
	Gulf of Aden 66, 67	Fr, Do, Ps	DNP
March	Mediterranean Sea Gulf of Suez 141	Fr, Do, Ps	DNP
April/Dec.	Atlantic Ocean 00, 01, 38, 39 74, 75	Fr, Do, Ps	DNP

R/V "KRILL"

Length of ship: 25 feet

Owner: Institute of Marine Research, FD

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS	RESPONSIBLE AGENCY
15/6 - 4/7	Norwegian Fiords 252	Fr	Shell-fish	FHI NOP
6/7 - 25/7	Norwegian Fiords 252	Fr	Shell-fish Eel	FHI NOP
27/7 - 22/8	Norwegian Fiords 252	Fr	Eel	FHI NOP
<u>"O-1505"</u>				
15/6 - 4/7	Norwegian Fiords 252	Fr	Eel	FHI 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	
6/1 - 8/1	Norwegian Coast 251, 286	Do	Environmental studies	UiT	NOP
9/1 - 24/1	Norwegian Coast 251, 286		Acoustic	UiT	NOP
5/2 - 13/2	Norwegian Coast 251, 286	Fr, Do, Ps	Benthos Environmental Studies Acoustic, Capelin	UiT	NOP
16/2 - 21/2	Norwegian Fiords 286	Fr, Do	Krill	UiT	NOP
22/3 - 29/3	Norwegian Coast 251	Fr, Do, Ps	Egg	FHI	NOP
2/3 - 6/3	Norwegian Coast 251, 286	Ps, Do	Benthos Environmental studies	UiT	NOP
8/3 - 10/3	Norwegian Coast 286	Fr	Acoustic Capelin	UiT	NOP
12/3 - 21/3	Norwegian Coast 252	Fr, Do	Acoustic Cod	UiT	NOP
30/3 - 31/3	Norwegian Coast 251, 286		Acoustic	UiT	NOP
2/4 - 20/4	Norwegian Coast 251, 286	Do, Ps	Acoustic	UiT	NOP
21/4 - 3/5	Norwegian Coast 251	Fr, Do, Ps	Cod-larvae	FHI	NOP
4/5 - 29/5	Norwegian Coast 251, 286	Fr, Do, Ps	Halibut Acoustic Environmental studies	UiT	NOP
1/6 - 13/6	Norwegian Coast 285	Fr, Do	Capelin	UiT	NOP
15/6 - 24/6	Norwegian Coast 251, 286	Ps, Fr	Birds, Fish zooplankton	UiT	NOP

R/V "JOHAN RUUD"

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS	RESPONSIBLE AGENCY	
28/6 - 25/7	Barents Sea, Norwegian Coast 252, 251, 285, 286, 284	Fr, Do, Ps	Parr	FHI	NOP
27/7 - 8/8	Norwegian Sea, Barents Sea 287	Ps	Plankton Whale	UiT	NOP
10/8 - 26/8	Norwegian Coast 286	Fr, Do, Ps	Acoustic	FHI	NOP
27/8 - 11/9	Norwegian Coast 251, 286	Ps, Fr, Do		UiT	NOP
7/10 - 17/10	Norwegian Coast 286	Fr	Acoustic	FHI	NOP
25/10 - 11/12	Norwegian Coast, Norwegian Fiords 252, 251	Fr, Do, Ps	0-group Sprat 0-group Herring	FHI	NOP
17/12 - 22/12	Norwegian Fiords 251		Acoustic	UiT	NOP

"H.H. GRAN"

Length of ship: 47 feet

Owner: Norwegian Institute for Water Research

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS	
1981	Norwegian Fiords 215, 216	Ab, Cm, Do	Environmental studies	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	
19/1 - 26/1	Norwegian Sea 216, 252	Do		DNP/NOP
28/1 - 10/2	Norwegian Coast 251, 252	Gg		NOP
6/3 - 27/3	Norwegian Coast 216, 252, 251	Fr, Do, Ps	Plankton, Benthos Herring	NOP
28/3 - 12/4	Norwegian Sea 216, 252	Do		DNP/NOP
4/5 - 9/5	Norwegian Coast 216, 252	Do, Ps, Gg	Plankton	NOP
11/5 - 16/5	Norwegian Coast 251	Do, Gg		NOP
18/5 - 31/5	Norwegian Coast 252	Do, Cm		NOP
1/6 - 14/6	Norwegian Sea 252	Do, Ps, Gg	Benthos	NOP
15/6 - 24/6	North Sea 216	Do, Gg	Hydrography, Pollution	NOP
3/8 - 9/8	Norwegian Coast 251, 252	Fr, Do	Acoustic	NOP
10/8 - 19/8	Norwegian Coast 252	Ps, Do, Cm	Benthos	NOP
20/8 - 12/9	Norwegian Sea Barents Sea 286, 287	Gg		NOP
13/9 - 10/10	Norwegian Coast 251, 252	Gg		NOP
12/10 - 15/10	Norwegian Coast 216, 252	Ps, Gg	Plankton	NOP
9/11 - 19/11	Norwegian Sea 217, 251, 252	Do		DNP/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	
Alternating monthly with Netherland vessel "Cumulus"	<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

1981	Tromsøflaket	<u>Am</u>	Do	Data at FHI	DNP
			Cm	Data at VHL	
			Mt	Data at Meteorological Institute, Oslo	

M/S "HYDROGRAF"

Tonnage: 302 BRT

Length of ship: 132 feet

Owner: The Hydrographic Office of Norway, Stavanger

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS
May/Juni/July Aug./Sept.	Norwegian Coast 216, 251, 252	Mapping/hydrography	NOP

M/S "EMERALD"

Length of ship: 184 feet

Responsible agency: Norwegian Petroleum Directorate

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS
10/4 - 10/5	Norwegian Sea Vøringsplatået 252	Gg	NOP
July/Aug.	Barents Sea 283, 284, 285, 286	Gg	NOP

R/V "H U SVERDRUP"

Tonnage: 295 BRT

Length of ship: 128 feet

Owner: Norwegian Defence Research Establishment,
Division for Underwater Warfare

CRUISE DATA	CRUISE AREA	PROGRAMME	COMMENTS	RESPONSIBLE AGENCY
Aug./Sept.	Norwegian Sea, Barents Sea 284, 285, 286, 287			FFI NOP

F/F "RAUD"

Tonnage: 56 BRT

Length of ship: 57 feet

Owner and operating agency: Nordland Disktriktshøgskole, Bodø

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS
14/1 - 6/3	Norwegian Coast 252	Fr, Ps	NOP
9/3 - 13/3	Norwegian Coast 252	Fr, Do, Ps	Oceanography NOP
30/3 2/4	Norwegian Coast 252	Do, Ps	Plankton NOP
11/5 - 14/5	Norwegian Coast 252	Ps	Plankton NOP
18/5 - 22/5	Norwegian Coast 252	Fr, Do	Oceanography NOP
13/7 - 17/7	Norwegian Coast 252	Fr, Do	Oceanography NOP
5/9 - 18/9	Norwegian Coast 252	Fr, Do, Ps	NOP
26/10 - 13/11	Norwegian Coast 252	Fr, Do, Ps	NOP
16/11 - 20/11	Norwegian Coast 252	Cm	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 Trondheimsfjorden	Fr, Do, Ps	NOP

CHARTERED VESSELS

Several vessels have been chartered by the Institute of Marine Research for fisheries research. Approximately 30 cruises are planned for 1981, and will cover the North Sea, Norwegian Sea, Barents Sea as well as the Norwegian coastal area.

The Institute has also observers on board vessels conducting investigations in the Barents Sea, The Jan Mayen area, West- as well as East-Greenland areas.