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Oceanographic Cruise Programmes
(Planned)

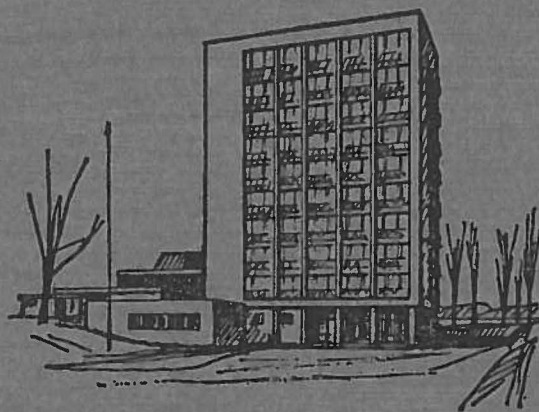
NORWAY

1980

4 SEPT. 1987

no. 23

August 1980



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 areas 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 Defense Research Establishment
NOP	National Oceanographic Programme
TBSt	Trondheim Biological Station, University of Trondheim.

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 - 2/2	Barents Sea 248, 249, 284, 285, 286, 287	Fr, Do	Capelin	DNP/NOP
4/2 - 21/3	Barents Sea 248, 249, 284, 285, 286, 287	Fr, Do	Cod, Haddock, other demersal species	DNP/NOP
23/3 - 2/4	Norwegian Coast 251, 252	Fr, Do	Fishery resources Environmental studies	DNP/NOP
8/4 - 16/5	North Sea 181, 216, 217	Fr, Do, Ps	Herring-larvae	DNP/NOP
18/6 - 19/7	Barents Sea, Norwegian Coast 250, 251, 285, 286	Fr, Do, Ps	Capelin	DNP/NOP
21/7 - 2/8	North Sea 216, 217, 252	Fr, Do	Herring	DNP/NOP
4/8 - 24/8	Norwegian Sea 217, 218, 252, 253	Fr, Do	Capelin, Blue whiting	DNP/NOP
25/8 - 8/9	Barents Sea 248, 249, 284, 285, 286, 287	Fr, Do	International 0-group	DNP/NOP
10/9 - 5/10	Barents Sea 248, 249, 284, 285, 286, 287	Fr, Do	Capelin	DNP/NOP
8/10 - 30/10	North Sea 216, 217, 252	Fr, Do	Capelin	DNP/NOP
4/11 - 7/12	North Sea, Skagerrak 215, 216	Fr, Do	Blue Whiting and other fish, Environmental studies	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	
6 - 28/1	North Sea 216, 252	Fr	Sprat, Pollution	NOP/DNP
29/1 - 29/2	North Sea 216, 252	Do, Fr	Coalfish	NOP/DNP
3/3 - 2/4	North Sea, Skagerrak 215, 216, 181	Fr, Do, Ps	Sprat Pollution	NOP/DNP
8 - 30/4	Norwegian Coast 251, 252	Fr, Do	Herring larvae Environmental studies	NOP/DNP
1 - 15/5	Norwegian Coast 252	Fr, Do, Ps	Cod Environmental studies	NOP/DNP
17/6 - 1/8	North Sea 252, 216, 181	Fr, Do, Ps	Cod, Herring Pollution Environmental studies	NOP/DNP
4/8 - 8/9	Norwegian Coast, Barents Sea 216, 251, 252, 285, 286, 287	Fr, Do, Ps	Blue whiting International 0-group	NOP/DNP
10/9 - 1/10	Barents Sea 285, 286, 287	Fr, Do	Capelin	NOP/DNP
3/10 - 29/10	North Sea 216, 181	Fr, Do, Ps	International Herring-larvae survey	NOP/DNP
3/11 - 7/12	North Sea, Skagerrak 215, 216	Fr, Do	0-group Sprat	NOP/DNP

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	
7/1 - 14/2	North Sea 181, 216	Do, Fr	Demersal fish International Herring survey Environmental studies	NOP/DNP
15/2 - 2/4	Barents Sea 284, 285, 286, 287	Fr	Capelin	NOP
8 - 27/4	Norwegian Coast 251, 252	Fr	Silver Smelt, Squid	NOP/DNP
28/4 - 16/5	Norwegian Sea 286, 287, 288, 253	Fr, Do	Blue whiting, Haddock Greenland Halibut and other fisk	NOP/DNP
18/5 - 10/6	Barents Sea Svalbard 284, 285, 286, 287	Fr	Shrimps	NOP
12/7 - 8/9	North Sea, Jan Mayen, Svalbard 252, 253, 217, 288, 287, 286	Fr	Blue whiting, Capelin Shrimps, Squid International 0-group	NOP/DNP
10/9 - 11/10	Barents Sea 286, 287	Fr, Do	Haddock, Cod, Shrimps Environmental studies	NOP/DNP
13/10 - 15/11	Norwegian Coast 251, 252	Do, Fr, Ps	Silver Smelt, Squid, Blue whiting Environmental studies	NOP/DNP
7/11 - 15/12	North Sea 181, 216	Fr		NOP

CHARTERED VESSELS

Several vessels have been chartered by the Institute of Marine Research for fisheries research. Approximately 25 cruises are planned for 1980, 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.

R/V "JOHAN RUUD"

Tonnage: 300 BRT

Length of ship: 100 feet

Owner: University of Tromsø

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS	RESPONSIBLE AGENCY	
14 - 20/1	Norwegian Coast 251	Fr, Do	Herring Acoustic	FHI	NOP/DNP
21/2 - 7/3	Norwegian Coast 251	Fr, Do	Herring, Capelin	FHI	NOP/DNP
17 - 28/3	Norwegian Coast 251	Fr			NOP
28/4 - 16/5	Norwegian Coast 251	Fr, Do, Ps	Cod	FHI	NOP/DNP
30/6 - 11/7	Norwegian Coast 251	Fr, Do	0-group fish	FHI	NOP/DNP
18/8 - 5/9	Norwegian Coast 251				NOP
22/9 - 3/10	Norwegian Coast 251	Fr	Acoustic		NOP
2/11 - 11/12	Norwegian Coast 215, 216, 251, 252	Fr, So	0-group- Herring/Sprat Environmental Studies	FHI	NOP/DNP

R/V "KRILL"

Tonnage:

Length of ship: 25 feet

Owner: Institute of Marine Research, FD

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS	RESPONSIBLE AGENCY	
15/6 - 8/7	Norwegian Fiords 252	Fr	Shell-fish	FHI	NOP
9/6 - 25/7	Norwegian Fiords 252	Fr	Shell-fish/ Eel	FHI	NOP
27/7 - 20/8	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	
1980	Norwegian fiords (Oslo- Frier- Singlefiord, Framvaren 215, 216	Ab, Cm, Do	Environmental studies	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	RESPONSIBLE AGENCY
11.1	Norwegian Fiords 215			FFI NOP
30.1	Norwegian Fiords 215			FFI NOP
6 - 13/3	Skagerak 215			FFI NOP
26 - 28/3	Norwegian Fiords 215			FFI NOP
28/7 - 6/9	Norwegian Coast 251, 286, 287			FFI NOP
7/9 - 20/9	Norwegian Fiords 215			FFI NOP
28/9 - 11/10	Norwegian Fiords 215			FFI NOP

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/June/July Aug./Sept.	Norwegian Coast 216, 251, 252	Mapping/hydrography	NOP

M/S "OLJEVERN 02"

Tonnage: 155 BRT

Length of ship: 90 feet

Owner: The Hydrographic Office of Norway, Stavanger.

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS
1980	Norwegian Coast 216	Mapping/hydrography	NOP

R/V "HARRY BORTHEN"

Tonnage: 48 BRT

Length of ship: 64 feet

Owner: Trondheim Biological Station.

CRUISE DATE	CRUISE AREA	PROGRAMME	COMMENTS
Various cruises	Norwegian Coast	Fr, Do, Ps	Responsible agency TBSt. NOP

Total estimated: 44 days at sea