

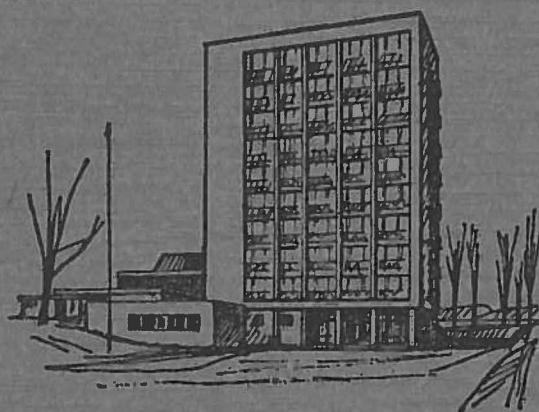
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OCEANOGRAPHIC CRUISE PROGRAMMES
(PLANNED)

NORWAY
1987



FISKERIDIREKTORATETS HAVFORSKNINGSINSTITUTT
BERGEN

NORSK OSEANOGRAFISK DATASENTER

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INTRODUCTION

This report of the Norwegian research vessels cruise programmes 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 OSEANOGRFISK DATASENTER

P.O. Box 1870/72

5024 BERGEN - NORDNES

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
HN	Høgskolesenteret Nordland, Bodø
MI	Meteorological Institute, Oslo
MIZEX	Marginal Ice Zone Experiment
ODAP	Ocean Data Acquisition Programme
PRO MARE	Norwegian Research Programme for Marine Arctic Ecology
NIVA	Norwegian Institute for Water Research, Oslo
NOP	National Oceanographic Programme
NPD	Norwegian Petroleum Directorate
SCAPINS	Summer Circulation And Production In the North Sea
TBS	Trondheim Biological Station
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	
05.01 - 26.01	Norwegian Coast 251, 252	Fr, Do	Herring, capelin Acoustic	NOP
26.01 - 23.03	Barents Sea 286, 287	Fr, Do	Cod, haddock	NOP
23.03 - 15.05	Norwegian Coast 251, 252	Fr, Do	Egg/larvae cod, haddock, herring	NOP
15.05 - 15.06	Barents Sea 284, 285, 286	Fr, Do	Capelin, herring (PRO MARE)	NOP
04.07 - 27.07	North Sea 216, 217, 252	Fr, Do	0-group saithe Hydrography	NOP
27.07 - 17.08	Norwegian Sea 217, 252, 253, 288	Fr, Do	Capelin, herring, blue whiting	NOP
17.08 - 04.09	Barents Sea - Svalbard 284, 285, 286, 287	Fr, Do	0-group	NOP
04.09 - 16.10	Barents Sea 286, 287	Fr, Do	Capelin, herring Demersal fish	NOP
16.10 - 06.11	Norwegian Coast 251, 252, 286, 287	Fr, Do	Saithe	NOP
15.11 - 14.12	North Sea Skagerrak	Fr, Do	Herring Pollution	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	
05.01 - 26.01	Barents Sea 284, 285, 286	Fr, Do	Capelin	NOP
27.01 - 01.03	Barents Sea 284, 285, 286	Fr, Do	Cod, haddock	NOP
02.03 - 13.04	Norwegian Coast 251, 287, 286	Fr, Do	Capelin, silver smelt	NOP
13.04 - 16.05	Barents Sea 284, 285, 286, 287	Fr, Do	Shrimp, cod, haddock	NOP
09.06 - 06.07	North Sea Norwegian Sea 284, 285, 286	Fr, Do	Herring, blue whiting	NOP
06.07 - 23.07	Norwegian Sea 253, 287, 288	Fr, Do	Herring, capelin, blue whiting	NOP
23.07 - 20.08	Svalbard 286, 287	Fr, Do	Shrimp, cod	NOP
20.08 - 06.09	Barents Sea 285, 286, 287	Fr, Do	Polar cod	NOP
07.09 - 16.10	Barents Sea 284, 285, 286, 287	Fr, Do	Capelin, herring, cod	NOP
19.10 - 12.11	North Sea Skagerrak 181, 215, 216	Fr, Do	Demersal fish Shrimp	NOP
12.11 - 10.12	Norwegian Coast 218, 252	Fr, Do	Sprat	NOP

M/S "ELDJARN"

Tonnage: 1043 BRT, Length of ship: 198 feet

Operating agency: INSTITUTE OF MARINE RESEARCH, FD

Cruise date	Cruise area	Programme	Comments	
05.01 - 26.01	Norwegian Coast 251, 252	Fr, Do	Herring Acoustic	NOP
26.01 - 22.02	North Sea 216, 217, 252	Fr, Do	0-group cod/herring Hydrography	NOP
23.02 - 14.03	Norwegian Coast 251, 252	Fr, Do	Herring Acoustic	NOP
16.03 - 12.04	Ireland, Norwegian Sea 281, 282, 217, 252	Fr, Do	Blue whiting Acoustic	NOP
06.05 - 27.05	Norwegian Coast 251, 252	Fr, Do	0-group saithe Hydrography	NOP
27.05 - 22.06	Norwegian Coast 251, 286, 287	Fr, Do	Larvae	NOP
22.06 - 13.08	North Sea 181, 216, 217, 252	Fr, Do	Herring, mackerel Hydrography	NOP
14.08 - 04.09	Barents Sea 285, 286, 287	Fr, Do	0-group fish Hydrography	NOP
04.09 - 16.10	Barents Sea 284, 285, 286, 287	Fr, Do	Capelin, herring, cod, redfish	NOP
16.10 - 18.11	Barents Sea 284, 285, 286, 287	Fr, Do	Polar cod	NOP
19.11 - 12.12	Norwegian Coast 286, 287, 251, 252	Fr, Do	Herring	NOP

R/V "HAKON MOSBY"

Tonnage: 499 BRT, Length of ship: 140 feet

Owner and operating agency: UNIVERSITY OF BERGEN, UiB

Cruise date	Cruise area	Programme	Comments	Responsible agency
26.01 - 31.01	North Sea 216	Gg, Do	Geology	UiB
03.02 - 22.02	North Sea 216, 252	Fr, Do	Saithe	FHI
24.02 - 09.03	Norwegian Trench 216	Fr, Mt, Do	Ecology	FHI
10.03 - 18.03	Norwegian Trench 216	Fr, Do	Trawl survey	UiB
20.03 - 14.04	Fram Straite 253, 288	Do, Mt, Ps	MIZEX	UiB
22.04 - 05.05	Norwegian Coast 251, 252	Fr, Do	0-group saithe	FHI
16.05 - 27.05	Lofoten 251	Fr, Do	0-group saithe	FHI
07.06 - 21.06	Jan Mayen 253	Gg	Geology	UiB
26.06 - 12.07	North Sea 216, 252	Do, Mt	Hydrography	UiB
17.07 - 19.08	Svalbard 286, 287	Gg	Seismic	UiB
20.08 - 04.09	Barents Sea 285, 286, 287	Fr, Do	0-group	FHI
07.09 - 15.09	Norwegian Trench 216	Fr, Do	Trawl survey	UiB
16.09 - 30.09	Norwegian Coast 216		SCAPINS	UiB
15.10 - 20.10	Norwegian Trench 216	Ab, Do	Demersal	UiB
21.10 - 27.10	Skagerrak 215, 216	Gg	Seismic	UiB
28.10 - 12.11	Baltic Sea 214, 250	Gg	Seismic	Uppsala Univ.

R/V "KYSTFANGST"

Tonnage: Under reconstruction, Length of ship: 90 feet

Owner and operating agency: BIOLOGICAL STATION, FLØDEVIGEN, FD

Cruise date	Cruise area	Programme	Comments	Responsible agency
04.05 - 08.05	Norwegian Fjords 215	Ps, Do	Cod	NOP
25.05 - 06.06	Skagerrak 215, 216	Do, Ps	Turbot	NOP
22.06 - 26.06	Norwegian Fjords 215	Do, Ps	Cod	NOP
20.07 - 21.08	Skagerrak 215, 216	Do, Ps	Mackerel	NOP
17.09 - 04.10	Norwegian Fjords 215	Do, Ps	Cod	NOP
Monthly	Skagerrak 215	Do, Ps	Hydrography	NOP
Quarterly (3 days)	Norwegian Coast 215, 216	Ps, Do, Fr	Oyster, Mussels	NOP

R/V "DR. FRIDTJOF NANSEN"

Tonnage: 300 BRT, Length of ship: 152 feet

Operating agency: INSTITUTE OF MARINE RESEARCH, FD

Dept. - Arr. PANAMA:	Cruise area	Programme	Comments	Responsible agency
4 cruises are scheduled on the Pacific Shelf, from Southern Mexico to Colombia, all programmes being resource surveys. Stipulated:				
04.02 - 18.03	8, 9, 10, 46, 47, 97, 308	Fr, Do		NOP
23.04 - 19.06	8, 9, 10, 46, 47, 97, 308	Fr, Do		NOP
03.08 - 27.09	8, 9, 10, 46, 47, 97, 308	Fr, Do		NOP
27.10 - 13.12	8, 9, 10, 46, 47, 97, 308	Fr, Do		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
13.02 - 17.02	Lofoten 251	Fr, Ps	Calanus	FHI NOP
17.03 - 22.03	Lofoten 251	Fr, Do, Ps	Calanus	FHI NOP
23.03 - 30.03	Norwegian Coast 287, 251	Fr, Ps	Plankton Acoustics	FHI NOP
31.03 - 29.04	Lofoten 251	Ps	Larvae: Cod Calanus	FHI NOP
18.05 - 27.05		Ab	Shell-project	UiTr NOP
14.07 - 28.07	Svalbard 286, 287			UiTr NOP
07.08 - 20.08		Ab	Shell-project	UiTr NOP
31.08 - 09.09	Norwegian Coast 287, 251	Fr, Ps	Plankton Acoustics	FHI NOP
03.11 - 06.12	Norwegian Coast	Fr, Do	0-group herring	FHI NOP

R/V "HARRY BORTHEM"

Tonnage: 48 BRT, Length of ship: 64 feet

Owner and operating agency: UNIVERSITY OF TRONDHEIM, MUSEET

Cruise date	Cruise area	Programme	Comments	Responsible agency
1987	Various fjord-surveys 251, 252	Ps, Fr, Do	Calanus	Primarily NOP TBS

R/V "RAUD"

Tonnage: 56 BRT, Length of ship: 57 feet

Owner and operating agency: HØGSKOLESENTERET I NORDLAND, BODØ

Cruise date	Cruise area	Programme	Comments	Responsible agency
Weekly	Salten 251	Ps	Plankton monitoring	HN
Regular	Salten 251	Do	Environmental monitoring	HN
March-May	Salten 251	Do	Atlantic watermasses	HN

Surveys will also be undertaken for educational purposes.

The latter half of 1987 will be decided later.

M/S "ENDRE DYRØY"

Tonnage: 799 BRT, Length of ship: 208 feet

Operating agency: PETROLEUM DIRECTORATE

Cruise date	Fixed pos. Central Bank	Programme	Comments
3 weeks each month	N 74 ⁰ 30 E 31 ⁰ 00 285	Do, Cm, Mt	ODAP - NPD
Every fourth week	Section Vardø-N	Do	FHI

OCEAN WEATHER STATIONS

M/V "POLARFRONT"

Tonnage: 936 BRT, Length of ship: 180 feet

Operating agency: METEOROLOGICAL INSTITUTE, OSLO

Cruise date	Station "MIKE"	Programme	Comments
Continuous	N 66 ⁰⁰ E 2 ⁰⁰ 252	Do, Mt	Data at UiB and MI, Oslo

CHARTERED VESSELS

Several vessels have been chartered by the Institute of Marine Research for fisheries research. Approximately 30 cruises are planned for 1987, and will cover the North Sea, Norwegian Sea and Barents Sea, as well as the Norwegian coastal areas.

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

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- Nr. 5 LITTERATURLISTE FOR NORSKE KYSTFARVANN, FYSISK,
KJEMISK OG BIOLOGISK OSEANOGRAFI SAMT MARIN GEOLOGI,
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- Nr. 16 NORSK OSEANOGRAFI KATALOG OVER FORSKNINGS-
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- Nr. 21 OCEANOGRAPHIC CRUISE PROGRAMMES (planned), NORWAY 1979,
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- Nr. 24 OCEANOGRAPHIC CRUISE PROGRAMMES (planned), NORWAY 1981,
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- Nr. 25 NORSK OSEANOGRAFI: KATALOG OVER FORSKNINGSPROSJEKTER,
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