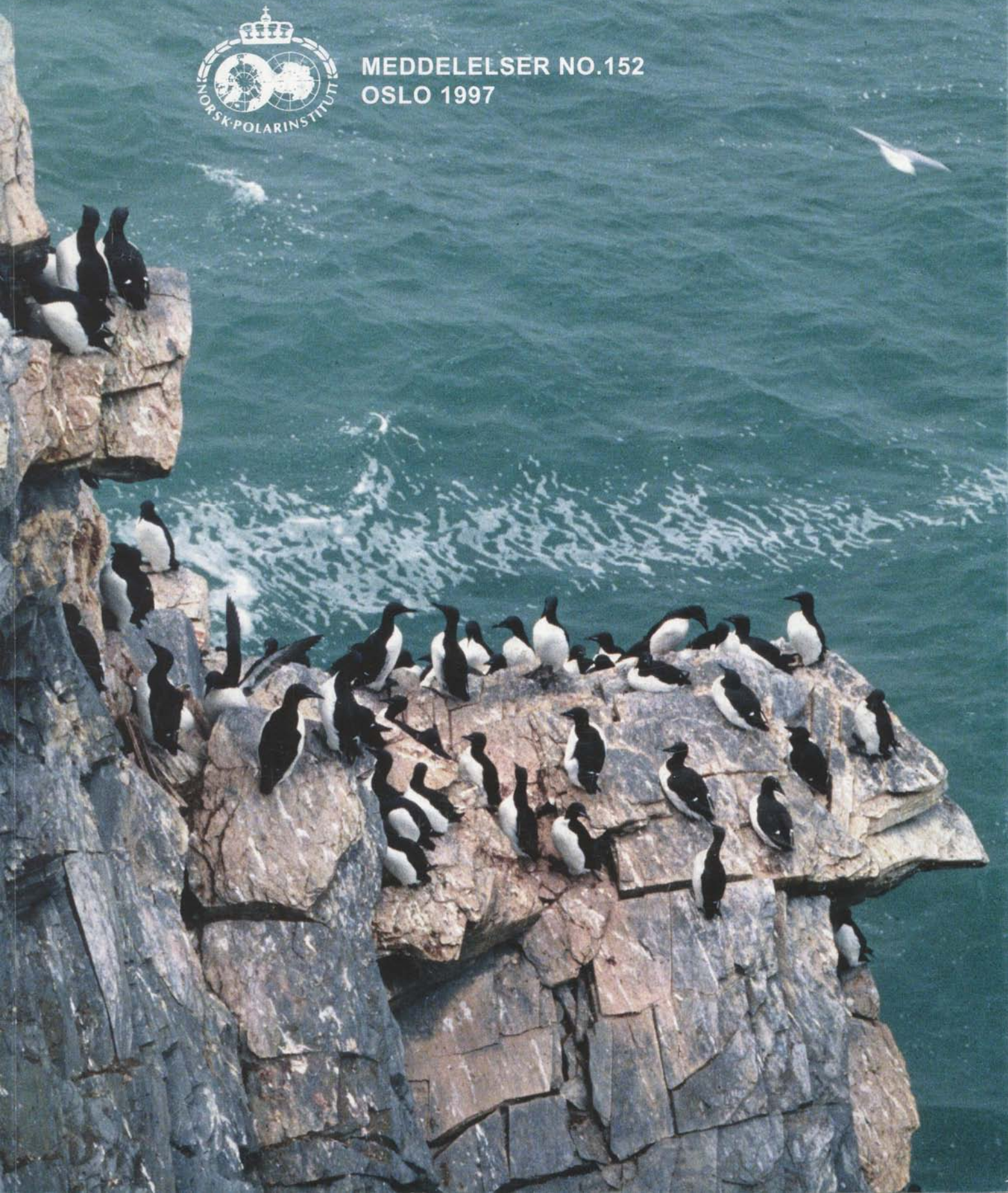


ALEXANDER N. GOLOVKIN & VIDAR BAKKEN:

**SEABIRD BIBLIOGRAPHY 1773–1994
– NORTHWEST REGION OF RUSSIA**



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**The Joint Norwegian-Russian Commission
of Environmental Cooperation
The Seabird Expert Group
Report No. 14,1997**



**NORSK POLARINSTITUTT
Oslo 1997**

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1. INTRODUCTION

Many of the papers published by Russian marine ornithologists dealing the biology and distribution of seabirds in the northwest region of Russia are not available to non-Russian speaking scientists. The main intention of this bibliography is to partly remedy the situation by providing readers with information on literature written in Russian, including titles, publishers and places of publication and the nature of the data which has been published.

The bibliography should provide marine scientists and amateurs with a tool for evaluating the scope and variety of research and mapping which have conducted and published in Russian, and to thus make this published material more accessible to non-Russian speaking ornithologists.

The project was financed by the Directorate of Nature Management in Norway and the Norwegian Polar Institute.

2. GEOGRAPHICAL AREA

The bibliography is a compilation of titles and research which have been published in Russian and in other countries and which deal with seabirds of the Russian sector of the Barents Sea (Fig 1). This sector includes all the marine areas of the Barents and White seas, coastal shores, islands and archipelagos (in particular Franz Josef Land, Novaja Zemlja, the Seven Islands archipelagos, Kolguev Island, Vaygach Island and others). In Russian literature this sector is defined as ‘the North of the European Russia’. It extends northward from the Polar Circle to the far north of European Russia. The eastern border of the sector is defined by the Yugorski Peninsula, Vaygach Island and the western shore of Novaja Zemlja. The western border coincides with the state range of the Russian Federation. The adjoined part of the Barents Sea is called Pechorskoe More (Pechora Sea). The coast along the Kola Peninsula as well as areas on the sea-shelf have acquired the popular name “Murman”. Western Murman stretches from the state range of the Russian Federation to Kola Bay, and Eastern Murman from Kola Bay to Svyatoy Nos Peninsula. These geographical definitions are described because many of these names are used in Russian ornithological literature but seldom appear on geographical maps. In the bibliography, ‘Murman’ is written as ‘Murman Coast’.

3. LITERATURE SOURCES

Although not complete, the bibliography includes most of the literature dealing with seabird research in the Russian sector of the Barents Sea which was published from 1773 to 1994 in special journals such as Zoological Journal, Bulletin of Moscow Society of Nature Explorers, in periodical volumes of research institutions



Fig 1. Northwest region of Russia

(organisations), in transactions (such as Transactions of the Kandalaksha state reserve), and in monographic books, theses, and symposia, etc. The literature which

has been overseen can include some popular books and journals, specialised material rarely cited in common ornithology, papers in Russian translated to other languages and published abroad, and papers written by non-Russian scientists and published abroad.

The majority of the literature included in the bibliography has been published in Russian, and much of the remainder in English, French or German. The titles of all publications in Russian have been translated to English, keeping as close to the original as possible. The titles of books, journals and transactions have been translated and transliterated (Scando-Slavica/ISO).

The transliteration of titles should assist users of the bibliography in locating books or journals in libraries. Most of the literature included in the bibliography can be obtained either by loan or by requesting a photocopy from a Russian library via Interlibrary Loan System. The two major Russian libraries are:

Russian State Library - Vozdvizhenka, 3, Moscow, Russia. Library of Russian Academy of Science - Birzhevaya Liniya, 1, Peterburg, Russia.

Library for Nature Science of Russian Academy of Science - Znamenka, 11, Moscow, Russia.

4. ORGANISATION AND PRESENTATION OF THE BIBLIOGRAPHY

This bibliography contains 731 citations which are stored in a database (Pro-Cite, version 3.0). An electronic version of this bibliography is available on diskette upon request. The bibliographic database allows the user to rapidly locate information and citations by searching on selected keywords.

All species, geographical names and keywords used in the bibliography are described in Chapter 5. The bibliography, which comprises Chapter 6, is arranged according to publication year, author and title. Authors and keywords are listed in Chapter 7 and Chapter 8, respectively, with references to record numbers which coincide with the citation numbers (1-731).

Individuals possessing material that is relevant to the bibliography but which has not been included in the current bibliography are encouraged to send a copy or information regarding the material to:

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5. DEFINITIONS OF TERMS USED IN THE BIBLIOGRAPHY

5.1 Geographical areas

Atlantic Ocean	Novaya Zemlya
Barents Sea	Severnaya Zemlya
Franz Josef Land	Svalbard (Norway)
Murman Coast	White Sea
Nenetski District	

5.2 Common and scientific name of birds

Common Name	Scientific Name
Red-throated Diver	<i>Gavia stellata</i>
White-billed Diver	<i>Gavia adamsii</i>
Northern Fulmar	<i>Fulmarus glacialis</i>
Cormorant	<i>Phalacrocorax carbo</i>
Shag	<i>Phalacrocorax aristotelis</i>
Barnacle Goose	<i>Branta leucopsis</i>
Lesser White-fronted Goose	<i>Anser erythropus</i>
Bean Goose	<i>Anser fabalis</i>
Whooper Swan	<i>Cygnus cygnus</i>
Bewick's Swan	<i>Cygnus columbianus</i>
Shelduck	<i>Tadorna tadorna</i>
Common Eider	<i>Somateria mollissima</i>
King Eider	<i>Somateria spectabilis</i>
Spectacled Eider	<i>Somateria fischeri</i>
Steller's Eider	<i>Polysticta stelleri</i>
Velvet Scoter	<i>Melanitta fusca</i>
White-tailed Eagle	<i>Haliaeetus albicilla</i>
Oystercatcher	<i>Arenaria interpres</i>
Ringed Plover	<i>Charadrius hiaticula</i>
Little Ringed Plover	<i>Charadrius dubius</i>
Turnstone	<i>Arenaria interpres</i>
Curlew	<i>Numenius arquata</i>
Purple Sandpiper	<i>Calidris maritima</i>
Great Skua	<i>Stercorarius skua</i>
Pomarine Skua	<i>Stercorarius pomarinus</i>
Arctic Skua	<i>Stercorarius parasiticus</i>
Little Gull	<i>Larus minutus</i>
Black-headed Gull	<i>Larus ridibundus</i>

Lesser Black-backed Gull	<i>Larus fuscus</i>
Herring Gull	<i>Larus argentatus</i>
Glaucous Gull	<i>Larus hyperboreus</i>
Great Black-backed Gull	<i>Larus marinus</i>
Common Gull	<i>Larus canus</i>
Sabine's Gull	<i>Larus sabini</i>
Kittiwake	<i>Rissa tridactyla</i>
Ross's Gull	<i>Rhodostethia rosea</i>
Ivory Gull	<i>Pagophila eburnea</i>
Common Tern	<i>Sterna hirundo</i>
Arctic Tern	<i>Sterna paradisaea</i>
Little Auk	<i>Alle alle</i>
Razorbill	<i>Alca torda</i>
Common Guillemot	<i>Uria aalge</i>
Brünnich's Guillemot	<i>Uria lomvia</i>
Black Guillemot	<i>Cepphus grylle</i>
Puffin	<i>Fratercula arctica</i>
Hooded Crow	<i>Corvus corone</i>
Raven	<i>Corvus corax</i>

5.3 Keywords

Keyword	Definition used in this bibliography
Auks	<i>member of Alcidae</i>
Behaviour	<i>response to the environment, other individuals or species</i>
Bibliography	<i>a list of references</i>
Biometry	<i>measurements of e.g. wing length of birds</i>
Birds of prey	<i>member of Accipitriformes or Falconiformes</i>
Breeding	<i>reproductive success, productivity, phenology, nest success, incubation and eggs</i>
Census	<i>count of birds</i>
Climate	<i>temperature, wind and precipitation</i>
Demography	<i>mortality rates, death, survival rates</i>
Diet	<i>type of food</i>
Diseases	<i>illnesses</i>
Distribution	<i>spatial arrangement of a population, range map, may include notes on breeding dates, migration dates, etc.</i>
Disturbance	<i>any factor disturbing birds</i>
Divers	<i>member of Gaviformes</i>
Ducks	<i>member of Anseriformes</i>
Eiders	<i>Common Eider, King Eider and/or Steller's Eider</i>
Energytics	<i>maintenance and regulation of energy transformations</i>

Feeding	<i>foraging, feeding, food types, diet, prey types</i>
Guillemots	<i>Common Guillemot and/or Brünnich's Guillemot</i>
Genetics	<i>heredity, variation, evolution</i>
Gulls	<i>member of Laridae</i>
Habitat	<i>habitat selection, habitat characteristics, habitat use</i>
Harvesting	<i>hunting by humans, subsistence</i>
Local traditions	<i>consumptive use of humans in areas</i>
Loons	<i>member of Gaviidae</i>
Management	<i>human manipulation of habitat or population, conservation protection</i>
Many orders	<i>member of Aves</i>
Methodology	<i>how data is collected</i>
Migration	<i>movement between winter and summer ranges</i>
Mortality	<i>mortality rates, death, predation</i>
Moult	<i>how birds replace feathers</i>
Movements	<i>movement within certain ranges</i>
Parasites	<i>organism living in or on another organism (host)</i>
Passerines	<i>member of Passeriformes</i>
Pelicans	<i>member of Pelecaniformes</i>
Phenology	<i>the time of important events related to biological seasons</i>
Physiology	<i>study of the process which go on in living organisms</i>
Pollutants	<i>natural or human produced contaminants</i>
Pollution	<i>contaminants causing damage</i>
Popularised paper	<i>paper intended for non-scientists</i>
Population size	<i>number of individuals or pair in a population</i>
Population trend	<i>indicates whether the population is stable, increasing or decreasing</i>
Predation	<i>mortality of a seabird caused by another animal</i>
Prey stocks	<i>populations that may act as food for other animals</i>
Petrels	<i>member of Procellariiformes</i>
Red list species	<i>list of endangered or threatened species</i>
Role in ecosystem	<i>how birds influence on the ecosystem</i>
Sampling Design	<i>method for collecting data</i>
Seabirds	<i>member of Gaviiformes, Procellariiformes, Pelecaniformes, Anseriformes or Charadriiformes</i>
Skuas	<i>member of Stercorariidae</i>
Survival	<i>survival rates</i>
Swans	<i>Whooper Swan and/or Bewick's Swan</i>
Taxonomy	<i>phylogenetic relationship, classification</i>

Terns	<i>Arctic Tern and/or Common Tern</i>
Tundra	<i>northern area with low vegetation</i>
Waders	<i>member of Haematopidae, Charadriidae or Scolopacidae</i>
Waterbirds	<i>members of many taxonomic families, able to swim and using water basins in some part of their life cycle</i>
Wintering	<i>location of birds during winter</i>

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