



RAPPORTSERIE

Nr. 9 - Oslo 1982

PETER HAGEVOLD:

Scientific translations from Russian
into English 1971-82.
A preliminary survey.

**NORSK
POLARINSTITUTT**

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INTRODUCTION

This issue in the Report series is a preliminary list of scientific literature translated from Russian into English at the Norwegian Polar Research Institute from 1971 to 1981. It is divided into three categories: biology, geophysics (glaciology, sea ice, and climate studies), and geology (including solid earth geophysics). The geographic regions of main interest to the Institute are Svalbard and adjacent areas.

A number of partial English translations have also been made of Russian abstracts, conclusions, figure captions/legends, and other sections in articles of specific interest. These will be included in the final version of the list, which will appear before the end of the year.

This preliminary survey is submitted to cooperating organizations of the Institute, for their information and assistance. We hope it will be a helpful contribution to better cooperation between translators of Russian literature throughout the world, promoting coordination and preventing overlapping of such time consuming work.

Comments to the way in which the list is presented will be welcome.

Norsk Polarinstitutt, 1 June 1982
ODD ROGNE

BIOLOGY

- 1 Andreev, A.V., A.Ja. Kondrat'ev, 1981:
New data on the biology of the Ross's Gull (*Rhodostethia rosea*) - Novye dannye po biologii rozovoj čajki (*Rhodostethia rosea*). In: Zoologičeskij žurnal LX(3): 418-425. 4 figures, 3 tables, 14 references.
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- 2 Belikov, S.E., 1977:
Number, distribution, and peculiarities of structure of dens of polar bears on the model plot in Wrangel Island - Čislennost', raspredelenie i osobennosti stroenija berlog samok belogo medvedja na model'nom učastke na o. Vrangelja. In: Belyj medved' i ego ochrana v Sovetskoj Arktike - The polar bear and its conservation in the Soviet Arctic -:19-39. 6 figures (= appendices pp. 34-39), 5 tables, 6 references. English summery p. 33. Moskva.
Translated (12 pp.), October 1980.
- 3 Belikov, S.E., N.E. Bogdanova, V.N. Vechov, 1977:
Composition of vegetation food of lactating females of polar bears in Wrangel Island - Sostav rastitel'nych kormov laktirujuščich samok belogo medvedja na o. Vrangelja. In: Belyj medved' i ego ochrana v Sovetskoj Arktike - The polar bear and its conservation in the Soviet Arctic -:55-65. 10 references. English summary p. 65. Moskva.
Translated (9 pp.), October 1980.
- 4 Belikov, S.E., A.G. Kuprijanov, 1977:
Behaviour of the polar bear in Wrangel Island - Povedenie belogo medvedja na o. Vrangelja. In: Belyj medved' i ego ochrana v Sovetskoj Arktike - The polar bear and its conservation in the Soviet Arctic -:40-50. 2 figures, 16 references. English summary pp. 53-54. Moskva.
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Geographic peculiarities of some aspects of behavior of the polar bear - Geografičeskie osobennosti nekotorych aspektov povedenija belogo medvedja. In: Voprosy teriologii. Povedenie mlekopitajuščich - Questions of theriology. Behaviour of mammals -:202-213. 4 figures, 19 references. Moskva.
Translated (9 pp.), January 1981.

- 6 Belikov, S.E., S.M. Uspenskij, A.G. Kuprijanov, 1977:
Ecology of the polar bear in Wrangel Island in the denning period - Èkologija belogo medvedja na o. Vrangelja v berložnyj period. In: Belyj medved' i ego ochrana v Sovetskoj Arktike - The polar bear and its conservation in the Soviet Arctic -:7-18. 6 tables, 23 references. English summary p. 18. Moskva.
Translated (8 pp.), October 1980.
- 7 Belopol'skij, L.O., V.N. Babaryka. L.A. Buganov, L.V. Smirnova, Z.K. Cygankova, 1981:
Quantitative distribution and peculiarities of stay of sea birds on Georges Bank - Količestvennoe raspredelenie i osbennosti prebyvanija morskich ptic na banke Džordžes. In: Problemy Arktiki i Antarktiki 56: 87-95. 4 tables, 13 references. Abstract p. 126. Leningrad, AANII.
Translated (9 pp.), June 1981.
- 8 Čelincev, N.G., 1977:
Determination of absolute number of dens based on selective counts - Opređenje absoljutnoj čislennosti berlog na osnovanii vyboročnych učetov. In: Belyj medved' i ego ochrana v Sovetskoj Arktike - The polar bear and its conservation in the Soviet Arctic -: 66-85. 3 figures, 5 tables, 7 references. English summary p. 85. Moskva.
Translated (15 pp.), 1980.
- 9 Novikov, B.V., 1977:
To the osteology of the polar bear - K osteologii belogo medvedja. In: Belyj medved' i ego ochrana v Sovetskoj Arktike - The polar bear and its conservation in the Soviet Arctic -:98-101. 1 table, 4 references. English summary p. 101. Moskva.
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- 10 Šereševskij, E.I., 1977:
The polar bear in north-eastern Tajmyr - Belyj medved' na severo-vostoke Tajmyra. In: Belyj medved' i ego ochrana v Sovetskoj Arktike - The polar bear and its conservation in the Soviet Arctic -:102-104. English summary p. 104. Moskva.
Translated (2 pp.), October 1980.

- 11 Uspenskij, S.M., M.V. Cholodova, 1977:

Craniological data on polar bears from Nenets (Samoyed) ritual alters (Jamal) - Kraniologičeskie materialy po belomu medvedju iz neneckich ritual'nych žertvennikov (Jamal). In: Belyj medved' i ego ochrana v Sovetskoj Arktike - The polar bear and its conservation in the Soviet Arctic -:86-97. 1 figure, 2 tables, 16 references. English summary p. 97. Moskva.

Translated (10 pp.), 1980.

- 12 Vereščagin, N.K., F.B. Černjavskij, 1968:

Origin and evolution of the polar bear - Prioschoždenie i évoljucija belogo medvedja. In: Kajnozojskaja istorija poljarnogo bassejna i ee vlijanie na razvitie landšaftov severnych terriotrij - Cenozoic history of the Polar Basin and its influence on the development of landscapes in northern territories - Materialy k simpoziumu 1-6 aprelja 1968 goda - Materials to the symposium 1-6 April 1968:27-28. Leningrad.

Translated (2 pp.), 1971.

GEOPHYSICS

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Experiment with search for autonomous stations without above-water marks by means of trawling (mine-sweeping) - Opyt poiska avtonomnykh stancij bez nadvodnykh znakov s pomošč'ju tralenija. In: AANII, Trudy 306: Voprosy poljarnoj okeanologii - Questions of polar oceanography: 248-250. Leningrad.
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Peculiarities of the turbulent exchange in drift currents in a sea free from ice and in a sea covered with drift ice - Osobennosti turbulentnogo obmena v drejfovych tečenijach v more, svobodnom ot l'da, i v more, pokrytom drejfujuščim l'dom. In: AANII, Trudy 302: Poljarnaja okeanologija - Polar oceanology: 19-25. 1 figure, 1 table, 5 references. Leningrad.
Translated (7 pp.), 1971.

- 3 Bessarabov, V.I., 1975:
On stadiality (phasic development) of the last Pleistocene glaciation of Spitsbergen - O stadial'nosti poslednego plejstocenovogo oledeneniya Špicbergena. In: Izvestija Vsesojuznogo geografičeskogo obščestva - Proceedings of the Panunional Geographic Society 107(5): 457-460. 2 figures, 13 references.
Translated (7 pp.), 1976.

- 4 Bogorodskij, A.V., N.K. Popov, 1978:
Instrumental investigations of subaquaceous parts of icebergs of the Southern Ocean - Instrumental'nye issledovanija podvodnykh častej ajsbergov Južnogo okeana. In: AANII, Trudy 359: Fizičeskie charakteristiki geofizičeskich ob"ektov v poljarnykh rajonach - Physical characteristics of geophysical objects in polar regions: 134-138. 2 figures, 1 reference. Abstract p. 152. Leningrad.
Translated (5 pp.), June 1981.

- 5 Bogorodskij, V.V., M.V. Aleksandrov, V.I. Bojarskij, L.S. Govorucha, B.A. Fedorov, V.I. Čudakov, 1980:
Map of the bed of the Vavilov Glacier Dome in Severnaja Zemlja - Karta rel'efa loža lednikovogo kupola Vavilova na Severnoj Zemle. In: Materialy gljaciologičeskich issledovanij. Chronika, obsuždenija 38: 192-194. 1 figure, 3 references. English summary p. 194. Moskva.
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Possible surges of glaciers of the Eurasiatic Arctic Zone - Vozmožnye podvižki lednikov Evraziatskoj arktičeskoj zony. In: Materialy gljaciologičeskich issledovanij. Chronika, obsuždenija 33: 192-196. 1 figure, 1 table, 9 references. English summary p. 196. Moskva.
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Glaciation of Franz Josef Land - Oledenenie Zemli Franca-Iosifa. In: Problemy Arktiki i Antarktiki 56: 122-124. Leningrad, AANII.
Translated (3 pp.), July 1981.
- 8 Dmitraž, Z.A., 1973:
On horizontal dimensions of Arctic icebergs on the basis of data of aerial photography - O gorizontaľnyh razmerach antarkticeskich ajsbergov po dannym aërofotos"emki. In: Informacionnyj bjulleten' Sovetskoj Antarkticeskoj èkspedicii 86: 40-41. 1 table, 2 references.
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- 9 Dolgušin, L.D., D.B. Osipova, 1973:
Current surge of the Medvežij Glacier in 1973 - Očerednaja podvizka lednika Medvež'ego v 1973 g. In: Materialy gljaciologičeskich issledovanij. Chronika, obsuždenija 22: 37-38. 1 figure. Moskva.
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The surge of the Medvežij Glacier in 1973 and the main features of the glacier's evolution which preceded it - Podvižka lednika Medvež'ego v 1973 g. i osnovnye čerty predšestvovavšej ej évoljucii lednika. In: Materialy gljaciologičeskich issledovanij. Chronika, obsuždenija 24: 77-86. 7 figures, 8 references. English summary p. 86. Moskva. Translated (14 pp.), August 1978.
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On the accuracy of measuring snow storages on mountain glaciers - O točnosti izmerenija snegozapasov na gornych lednikach. In: Materialy gljaciologičeskich issledovanij. Chronika, obsuždenija 26: 239-245. 3 figures, 3 tables, 1 reference. English summary p. 245. Moskva. Translated (8 pp.), July 1978.
- 13 Golubev, G.N., 1974:
Peculiarities of outbursts of glacier-dammed lakes of different types - Osobennosti proryvov lednikovo-podprudnyh ozer različnyh tipov. In: Materialy gljaciologičeskich issledovanij. Chronika, obsuždenija 24: 155-163. 5 figures, 20 references. English summary p. 163. Moskva. Translated (24 pp.), 1976.
- 14 Gordejčik, A.V., 1976:
Mass balance of Vøringbreen in the island of Vestspitsbergen in 1974 - Balans massy lednika Vøring na ostrove Zapadnyj Špicbergen v 1974 g. In: Materialy gljaciologičeskich issledovanij. Chronika, obsuždenija 27: 143-146. 2 figures, 1 table, 1 reference. English summary pp. 145-146. Moskva. Translated (3 pp.), August 1977.

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- 16 Gordienko, F.G., V.M. Kotljakov, Ja.-M.K. Punning, R.A. Vajkmjæ (Vaikmäe), 1980:
Study of a core to the depth of 200 m from Lomonosovfonna in Spitsbergen and palaeoclimatic conclusions - Izučenie kerna do glubiny 200 m s lednikovogo plato Lomonosova na Špicbergene i paleoklimatičeskie vyvody. In: Izvestija Vsesojuznogo geografičeskogo obščestva - Transactions of the Panunional Geographic Society, 112(5):394-401. 3 figures, 9 references. Abstract p. 474.
Translated (9 pp.), May 1981.
- 17 Gus'kov, A.S., 1979:
Water-ice balance of glaciers of Spitsbergen in the 1976/77 balance year - Vodno-ledovyj balans lednikov Špicbergena v 1976/77 balansovom godu. In: Materialy gljaciologičeskich issledovanij. Chronika, obsuždenija 36: 211-214. 3 figures, 1 table, 2 references. English summary p. 214. Moskva.
Translated (5 pp.), April 1981.
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Translated (6 pp.), April 1979.

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On many-year variability of ice coverage of the Greenland Sea and methods of its prognostication - O mnogoletnej izmenčivosti ledovitosti Grenlandskogo morja i metodike ee prognoza. In: AANII, Trudy 303: Issledovanie ledovogo režima arktičeskich morej i metody prognozov i rasčetov - Investigations of the ice regime of Arctic seas and methods of prognostications and calculations: 46-54. 3 figures, 3 tables, 9 references. Leningrad.
Translated (8 pp.), August 1978.
- 20 Korjakin, V.S., 1974:
On glacier surges in the Arctic - O podvižkach lednikov v Arktike. In: Materialy gljaciologičeskich issledovanij. Chronika, obsuždenija 24: 140-145. 1 figure, 4 tables, 18 references. English summary p. 145. Moskva.
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- 21 Kotljakov, V.M., Ju.Ja. Mačeret, F.G. Gordienko, A.B. Zuravlev, 1980:
Geophysical and isotopic investigations of glaciers of Spitsbergen - Geofizičeskie i izotopnye issledovanija lednikov Špicbergena. In: Vestnik Akademii nauk SSSR 4: 132-138. 3 figures. Moskva.
Translated (9 pp.), November 1980.
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On linear elements of relief of sea ice - O linejnyh èlementach rel'efa morskich l'dov. In: Izvestija Vsesojuznogo geografičeskogo obščestva - Transactions of the Panunional Geographic Society, 109(1): 74-78. 2 figures, 26 references.
Translated (7 pp.), November 1977.
- 23 Maceret, Ju.Ja., 1976:
Some results of radio-echo sounding of glaciers of West Spitsbergen - Nekotorye rezul'taty radiolokacionnogo zondirovanija lednikov Zapadnogo Špicbergena. In: Materialy gljaciologičeskich issledovanij. Chronika, obsuždenija 26: 158-164. 5 figures, 11 references. English summary p. 164. Moskva.
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- 24 Mačeret, Ju.Ja., 1976:
Measuring thicknesses of glaciers - Izmerenie tolščiny lednikov. In: Priroda 10: 90-91.
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- 25 Moskal', T.N., 1979:
Maximum heat content of the active layer of the Barents Sea as an index of future hydrometeorological processes - Maksimal'noe teplosoderžanie dejatel'nogo sloja Barenceva morja kak pokazatel' buduščich gidrometeorologičeskich processov.
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- 26 Moskal', T.N., 1979:
Peculiarities of distribution of heat content of the active layer of the Barents Sea in August - Osobennosti raspredelenija teplosoderžanija dejatel'nogo sloja Barenceva morja v avguste. In: AANII, Trudy 363: Issledovanija ledjanogo pokrova i metody dolgosročnych prognozov ledovych uslovij - Investigations of the ice cover and methods of long-term forecasts of ice conditions: 109-116.
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Physicochemical methods of stratifying glaciers - Fiziko-chimičeskie metody stratificirovanija lednikov.
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(island of Spitsbergen) - Izotopno-kislorodne
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O sezonnoj i mežgodovoj izmenčivosti osnovnyh
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Investigations of the ice cover and methods of
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Wind waves in the Antarctic in the region of
Bouvetøya - Vetrovye volny v Antarktike v rajone
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Hydrometeorological observations on board the whaling
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- 32 Špajcher, A.O., T.A. Alimova, 1974:
Present tendencies of changes of ice conditions in the waters of Spitsbergen - Sovremennye tendencii izmenenij ledovych uslovij v vodach Špicbergena. In: AANII, Trudy 325: 121-135.
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Approximate determination of the heat balance of the waters of the Arctic Basin - Približennoe opredelenie teplovogo balansa vod Arktičeskogo bassejna. In: Problemy Arktiki - Problems of the Arctic 4: 23-28. 3 tables, 5 references. Leningrad, AANII.
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On the influence of the structure of glaciers on the formation of a hilly-ridgy morainic relief in Spitsbergen - Ovljanii struktury lednikov na formirovanie cholmisto-grjadovogo morennogo rel'efa na Špicbergene. In: Materialy gljaciologičeskich issledovanij. Chronika, obsuždenija 16: 178-183. 3 figures, 13 references. English summary p. 183. Moskva.
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Investigations of the snow cover of Spitsbergen in the spring of 1979 - Issledovanija snežnogo pokrova Špicbergena vesnoj 1979 g. In: Materialy gljaciologičeskich issledovanij. Chronika, obsuždenija 39: 185-192. 3 figures, 1 table, 7 references. English summary p. 192. Moskva.
Translated (9 pp.), March 1981.
- 36 Vajkmjaë (Vaikmäe), R.A., F.G. Gordienko, V.S. Zagorodnov, V.I. Michalëv, Ja.-M.K. Punning. R.A. Rajamjaë (Rajamäe), 1977:
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Divergence of horizontal heat flows and of aqueous vapour - Divergencija gorizontaľ'nykh potokov tepla i vodjanogo para. In: POŁEKS-Sever-76 (Naučnye rezul'taty). Čast' I - POŁEX-North-76 (Scientific results) I: 30-36. 2 figures, 2 tables, 13 references. Abstract p. 255. Leningrad, AANII.
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GEOLOGY

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Translated (11 pp.), July 1980.
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Deep structure of Franz Josef Land on the basis of seismological data - Glubinnoe stroenie Zemli Franca-Iosifa po sejsmologičeskim dannym. In: Geologičeskie metody razvedki v Arktike - Geophysical methods of exploration in the Arctic - 9: 26-32. 4 figures, 2 tables, 15 references. Abstract p. 108. Leningrad, NIIGA.
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