

Copying

Polar Record is registered with the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA. Organizations in the USA that are also registered with the CCC may copy material (beyond limits permitted by sections 107 and 108 of US copyright law) subject to payment to CCC of the per copy fee of \$12.50. This consent does not extend to multiple copies for promotional or commercial purposes. Code 0032-2474/2001. Organizations authorized by the Copyright Licensing Agency may also copy material subject to the usual conditions. For all other use, permission should be sought from the Cambridge or the American Branch of Cambridge University Press (addresses below).

Back Issues

For vols 1–23 inclusive apply to The Editor, *Polar Record*, Scott Polar Research Institute, University of Cambridge, Lensfield Road, Cambridge CB2 1ER, UK. For vols 24 onward apply to Cambridge University Press, UK or USA.

Advertising

For details apply to the Editor or to the publishers.

CAMBRIDGE UNIVERSITY PRESS

Published by the Press Syndicate of the University of Cambridge
The Edinburgh Building, Cambridge CB2 2RU, United Kingdom
40 West 20th Street, New York, NY 10011-4211, USA
10 Stamford Road, Oakleigh, Melbourne 3166, Australia
Ruiz de Alarcón 13, 28014 Madrid, Spain

Printed in the United Kingdom at the University Press, Cambridge.

POLAR RECORD

VOLUME 37 NUMBER 202 JULY 2001

CONTENTS

INTRODUCTION

The Second International Conference on Contaminants in Freezing Ground, Fitzwilliam College, Cambridge, 2–5 July 2000. Peter J. Williams and Gareth W. Rees p 194

ARTICLES

Remediation and restoration of frozen ground: a terminology. Bernard Stonehouse p 195

Management and remediation of contaminated sites at Casey Station, Antarctica. Ian Snape, Martin J. Riddle, Jonathan S. Stark, Coleen M. Cole, Catherine K. King, Sabine Duquesne, and Damian B. Gore p 199

Contaminant migration through the permafrost active layer, Mackenzie Delta area, Northwest Territories, Canada. Larry D. Dyke p 215

Factors affecting spreadability and transportation of oil in regions of frozen ground. E.M. Chuvilin, N.S. Naletova, E.C. Miklyaeva, E.V. Kozlova, and A. Instanes p 229

Response of cold-adapted microbial populations in a permafrost profile to hydrocarbon contaminants. A.G. Rike, M. Børresen, and A. Instanes p 239

Trace metals in suspended particulate matter and sediments from the Severnaya Dvina estuary, Russian Arctic. S.E. Koukina, A. Calafat-Frau, H. Hummel, and R. Palerud p 249

Remediation by artificial cooling of dilute clay suspensions contaminated by heavy metals. G. Gay and M.A. Azouni p 257

Remediation of Arctic tundra following petroleum or salt water spills. Jeffery S. Conn, Christina Behr-Andres, Janice Wiegers, Ed Meggert, and Nick Glover p 264

In-situ bioremediation of diesel-contaminated soil in Canada's Arctic territory: a case study at the Whitehorse International Airport, Yukon Territory. D.A. Soloway, M. Nahir, M.E. Billowits, and L.G. Whyte p 267

SCAR BULLETIN No 142

Summary Reports to XXVI SCAR, Tokyo, Japan, 17–21 July 2000 p 273

Acronyms and Abbreviations p 288

CAMBRIDGE
UNIVERSITY PRESS



0032-2474(200107)37:3;1-Z