# Contents

**Vol. 32, No. 2, 2007**
Simultaneous English language translation of the journal is available from Allerton Press, Inc.
Distributed worldwide by Springer. *Russian Meteorology and Hydrology* ISSN 1068-3739.

Anticyclonic Quasi-Stationary Circulation and Its Effect on Air Temperature Anomalies and Extremes over Western Russia
*M. Yu. Bardin* 75

Variations of Aerosol Optical Thickness of the Atmosphere in Russia in 1976–2003
*I. N. Plakhina, E. L. Makhotkina, and N. V. Pankratova* 85

Investigation of Cb Motion in the Province of Alberta (Canada)
*T. W. Krauss and A. A. Sinkevich* 93

Climate Changes in the Amur River Basin in the Last 115 Years
*P. V. Novorotskii* 102

Study of Urban Heat Island Inhomogeneity in Nizhni Novgorod on the Basis of a Mobile Atmospheric Temperature Profiler
*E. N. Kadygrov, A. V. Koldaev, E. A. Miller, V. V. Sokolov, and M. N. Khaikin* 110

Correlation Between Temperature and Salinity Variations as a Characteristic of the North Atlantic Waters
*A. A. Postnov, N. V. Zhokhova, and E. V. Borisov* 119

Long-Term Ensemble Forecast of Snowmelt Runoff with the Help of the Physics-Based Models of Runoff Generation
*L. S. Kuchment and A. N. Gel'fan* 126

Determination of Design Hydrological Characteristics with Consideration of Historical Maxima
*V. A. Lobanov and V. E. Belikov* 135

## REVIEWS AND CONSULTATIONS

Ozone Content over the Russian Federation Territory in 2006
*A. M. Zvyagintsev, N. S. Ivanova, G. M. Krutchenitskii, I. N. Kuznetsova, and E. A. Lezina* 142