Eastern Snow Conference

Proceedings of the 1984 Annual Meeting
PROCEEDINGS OF THE
FORTY-FIRST ANNUAL
EASTERN SNOW CONFERENCE

JUNE 7 and 8, 1984
WASHINGTON, D.C.
FOREWORD

In keeping with the objectives of the Eastern Snow Conference "to collect, disseminate and analyze data relating to snow and ice", the Executive Committee of the Conference is pleased to submit this copy of the Proceedings, Volume 29, in recognition of the 41st meeting of the Conference.

The Eastern Snow Conference is an informal group of businessmen, engineers, foresters, hydrologists, meteorologists, scientists and educators from the Eastern United States and Canada, which meets annually at some pre-selected location in New England, New York or Canada. The purpose of these meetings is the interchange of information related to snow, ice, frost, hail and other phenomena associated with the winter season.

The 1984 meeting of the Conference was held at the Sheraton Hotel, New Carrollton, Maryland. In June 1985, the group will hold the annual meeting in Montreal, Quebec.

Membership in the Conference is open to all interested individuals. Annual dues are only ten dollars (U.S.) and this includes one copy of the Proceedings, plus any other data distributed by the Conference. Additional copies of current Proceedings may be obtained from the Secretary. Copies of all back issues are now available from the Secretary.

Publication of these Proceedings was made possible in part by Corporate Memberships in the Conference held by the following:

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Report of the Research Committee

1984 Eastern Snow Conference

Since the research questionnaire was sent to all Eastern Snow Conference members last year covering the period 1980 to 1983, the only business on hand this year was the annual competition for the Student Prize. The prize is given for the best student paper on research related to snow. The award consists of a cash prize of $100 and up to $350 towards the cost of coming to the Conference and presenting the paper. The winner and two runners up also receive a one-year free membership to the ESC.

Approximately 150 posters announcing the competition were sent to American and Canadian universities and six papers were submitted for the 1984 competition:

Thermal Index & Conductivity of Snow and their Effect on Winter Nest Temperatures & Winter Survival of the Meadow Vole, Microtus Pennsylvanicus

N.M. Kalliomaki, (G.M. Courtin and F.V. Clulow), Dept. of Biology, Laurentian University, Sudbury, Ontario

Comparison of Linear and Log-Linear Extrapolation Techniques for Snow Surface Temperature Prediction at Schefferville, Quebec

Julia Bartoshesky, Dept. of Geography, McGill University, Montreal, Quebec

Winter Cover Formation and its Effect on Water Chemistry

Jeanette Campbell, Geography-Biology, Trent University, Peterborough, Ontario

Observations on the Relationship between Hemispherical Surface Reflectance and Zenith Path Reflectance over Snow at Schefferville, Quebec

Robert Van Wyngaarden, Dept. of Geography, McGill University, Montreal, Quebec

Alternative Method of Snow Making via Artificially Induced Nuclei

Anthony Urbano and Chris Moran, Dept. of Civil Engineering, University of Vermont, Burlington, Vermont

Physical Properties of Natural and Man-Made Snow and their Relationship to Skiing

Samuel Jung and Chris Cushing, Dept. of Civil Engineering, University of Vermont, Burlington, Vermont.

These papers were judged by Nabil Elhadi, Tim Pangburn and Don Taylor.

The 1984 prize was awarded to Ms N.M. Kalliomaki and the runners up were Julia Bartoshesky and Jeanette Campbell.

1984 06 05

Don Taylor
Chairman, Research Committee.
# EASTERN SNOW CONFERENCE OFFICERS

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