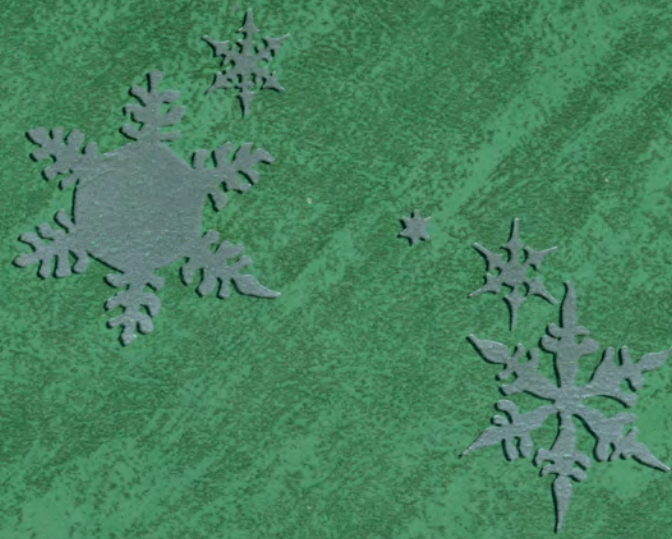


Eastern
Snow
Conference

Proceedings of the

1981

Annual Meeting



PROCEEDINGS OF THE
THIRTY-EIGHTH ANNUAL
EASTERN SNOW CONFERENCE

JUNE 4 and 5, 1981

SYRACUSE, NEW YORK

Proceedings of the Eastern Snow Conference

Printed and Bound in Canada

Cover Printed in United States of America

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 26, in recognition of the Thirty-Eighth 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 1981 meeting of the Conference was held at the Hotel Syracuse, Syracuse, New York. In April 1982, the group will meet jointly with the Western Snow Conference in Reno, Nevada to celebrate the 50th Annual Meeting of that group.

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 Proceedings Editor or Secretary. Copies of many of the back issues are 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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PROCEEDINGS OF THE EASTERN SNOW CONFERENCE
 Thirty-Eighth Annual Meeting, June 4 and 5, 1981

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EASTERN SNOW CONFERENCE STUDENT AWARD FOR SNOW RESEARCH - 1981

Each year the Eastern Snow Conference offers a Student Award to the student submitting the best paper on snow research as judged by members of the Research Committee. The award consists of a cash prize of \$100 together with up to \$250 towards the cost of participating in the Eastern Snow Conference. The winner and two runners-up also receive a one-year free membership of the Eastern Snow Conference.

The submissions for 1981 are listed below:

"Three Roof Snow Load Studies"	Peter O. von Bradsky Faculty of Rensselaer Polytechnic Institute Troy, New York
"Niagara Ice Boom"	Sandra Dowds Department of Civil Engineering Queen's University Kingston, Ontario
"The Role of Vegetation on the Disposition of Snowfall on a Mixed Forested Watershed in the Kawartha Lakes Region of East Central Ontario"	Timonthy J. Mathers Trent Watershed Ecosystem Program Trent University Peterborough, Ontario
An Analysis of the Relationship of Snow Depth, Water Equivalent and Density in the Elizabeth Lake Basin, Labrador	Kathy Outerbridge Department of Geography Trent University Peterborough, Ontario
"Effects of Forest Cover on Snow Cover Distribution in the Nashwaak Experimental Watershed Project"	Jeffrey R. Patch Faculty of Forestry University of New Brunswick Fredericton, New Brunswick
"Cover Development on Elizabeth Lake, Labrador, with Special Reference to Black Ice"	Brian Russell Department of Geography Trent University Peterborough, Ontario
"Characteristics of Snow Distribution on Elizabeth Lake, Labrador"	Larry Sagriff Department of Geography Trent University Peterborough, Ontario

The 1981 prize was awarded to Jeffrey R. Patch and the two runners-up were Peter O. von Bradsky and Brian Russell.

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