

Eastern
Snow
Conference

Proceedings of the

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Annual Meeting



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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 28, in recognition of the Fortieth 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 1983 meeting of the Conference was held at the Delta Chelsea Inn, Toronto, Ontario. In June 1984, the group will meet in the Washington, D.C. region.

At the 1983 meeting, the Equipment Committee organized a very successful manufacturers' and book publishers' display. To provide information to members who could not attend, we have included a one page summary of exhibitors' products in this Proceedings. If members find this useful, we can include exhibitors' information in future Proceedings. Exhibitors at the 1983 meeting were:

Campbell Scientific Canada Corp.
Canadian Applied Technology
Gamma Instrument Company
Geneq Incorporated
Industrial Measurements Limited
Infrascan Canada Limited
Bendix Aviation Limited
Leupold & Stevens Inc.
Academic Press Canada
Pergamon Press Canada Limited

The Executive wishes to thank all exhibitors for their participation at the 1983 meeting.

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:

1. C.T. Main, Prudential Center, Boston, Massachusetts, 02199
2. Hydro-Québec, Place Dupuis, 855 est, rue Sainte-Catherine, Montréal, Québec, Canada, H2L 4P5
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PROCEEDINGS OF THE EASTERN SNOW CONFERENCE
Fortieth Annual Meeting, June 2 and 3, 1983

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EASTERN SNOW CONFERENCE STUDENT AWARD FOR SNOW RESEARCH - 1983

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 to the Eastern Snow Conference.

The submissions for 1983 are listed below:

"The Effect of the Winter Ice
Cover on Odonata Larvae in
Meyers's Pond"

David Beresford
Department of Geography
Trent University
Peterborough, Ontario, Canada

"The Temporal Variation of
Chlorophylls in Sea Ice in
Allen Bay, Cornwallis Island,
N.W.T."

Anne T. Roberts
Department of Biology-Geography
Trent University
Peterborough, Ontario, Canada

"Single and Combined Loads Due
to Snow and Earthquake"

Ulrich G. Stiefel
Rensselaer Polytechnic Institute
Troy, New York, U.S.A.

"The Relative Effects of Forest
Cover on the Generation of Snowmelt"

Terence R. Wright
Department of Civil Engineering
University of New Brunswick
Fredericton, New Brunswick, Canada

The 1983 prize was awarded to David Beresford and the two runners-up were Anne Roberts and Ulrich Stiefel. Copies of Mr. Beresford's paper may be obtained directly from Trent University.

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1983-1984

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