

Eastern
Snow
Conference

PROCEEDINGS—VOL. 2

TENTH MEETING

ALBANY, N.Y.

FEB. 12 AND 13, 1953

ELEVENTH MEETING

GREENFIELD, MASS.

FEB. 11 AND 12, 1954

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FOREWORD

Since the close of the major wars, the Eastern Snow Conference has enjoyed a modest but solid existence. Its growth has not been noteworthy, as such things go, but it has been growing, which is one of the significant facts. To many of us, the slow growth has been a favorable indication not comparable with the "boom-and-bust" sort of thing.

The growth of the Eastern Snow Conference, however, now has a new yardstick. At the meeting in 1953, the members approved the plan to have a more formal type of membership and imposed the very reasonable dues of \$1.00 per year. As the mailing list of "those interested" had been growing over the years, this was a simple means of separating the dead wood from those *really* interested. We are finding that the new arrangement is working, for as this Proceedings goes to press (in December 1954) we number about 139 dues-paying members. It is felt that all of these members have a sincere interest in the progress of the organization.

If the number of members were the sole criterion, we might question that as an end, but we have an outstanding group that makes up the membership. The group ranges from businessmen to scientists and embraces activities from the most practical application of knowledge about snow, ice, and frost, to the most abstract and currently-useless research. The broad coverage and diversified interest possibly are the main reasons for the continuing success of the organization.

Not the least satisfactory indication of progress is the notable increase in Canadian membership. Our companion snow-men to the north have joined in and provided a vigor that has given the Eastern Snow Conference a real measure of impetus. Their problems are parallel with those in the United States, and their degree of interest is no less.

The second Proceedings of Eastern Snow Conference, like the first, is the contribution of a large agency represented in the membership. This time, the Hydro-Electric Power Commission of Ontario undertook the job of publishing our papers. A number of individuals should receive credit for this, but principally, E. T. Ireson, Generation Engineer, and H. P. Fierheller, Superintendent of Printing Department. To these and to the cover artist of the Production Section, we owe our thanks for an excellent piece of work. It is through the efforts of such groups and individuals that the Eastern Snow Conference will prosper.

The Executive Committees for the years 1953 and 1954 were the following:

1953

<i>President</i>	ERNEST C. JOHNSON U.S. Weather Bureau, Albany, N.Y.
<i>Vice-President</i>	H. M. FINLAYSON Shawinigan Water & Power Co., Montreal, Canada
<i>Secretary</i>	DEAN B. BOGART U.S. Geological Survey, Albany, N.Y.
<i>Members-at-large</i>	KENNETH J. GRANBOIS Safe Harbor Water Power Corp., Conestoga, Pa.
	LIVINGSTON LANSING Boonville, N.Y.
	LEON H. MANN Connecticut River Power Co., Littleton, N.H.

1954

<i>President</i>	H. M. FINLAYSON Shawinigan Water & Power Co., Montreal, Canada
<i>Vice-President</i>	CHARLES E. KNOX U.S. Geological Survey, Boston, Mass.
<i>Secretary</i>	DEAN B. BOGART U.S. Geological Survey, Albany, N.Y.
<i>Members-at-large</i>	KENNETH J. GRANBOIS Safe Harbor Water Power Corp., Conestoga, Pa.
	ERNEST C. JOHNSON U.S. Weather Bureau, Albany, N.Y.
	ARTHUR T. SIMMONDS Connecticut River Power Co., Littleton, N.H.

We should all remember that this is an organization of participants and it can be no better than its group efforts. The informal atmosphere that we all prize so highly can be maintained while the Eastern Snow Conference becomes more effective and goes on to new gains.

PAPERS PUBLISHED ELSEWHERE

No manuscripts were presented to the Secretary for a number of papers at the 1953 and 1954 meetings. In some cases, the papers were published elsewhere; in others, the authors had no manuscripts and spoke extemporaneously. For additional information you should contact the authors.

As complete as possible a listing follows:

GREAT LAKES SNOWS

B. L. Wiggins, U.S. Weather Bureau, Buffalo, N.Y.
Extemporaneous.

A UNIQUE METHOD OF MEASURING FROST DEPTHS IN THE GROUND

William C. Mason, Inventor, Slingerlands, N.Y., and
Fred H. Ruggles, Jr., U.S. Geological Survey, Albany, N.Y.

Synopsis included in this Proceedings; Mr. Mason will answer inquiries.

A RESEARCH PROGRAM IN EXPERIMENTAL METEOROLOGY

Vincent J. Schaefer, General Electric Company, Schenectady, N.Y.
(Munitalp Foundation, Schenectady, N.Y., 1954)
Extemporaneous.

A DISCUSSION OF SNOWS IN THE EASTERN UNITED STATES, WITH EMPHASIS ON THE LONG RANGE ASPECT

Jerome Namias, U.S. Weather Bureau, Washington, D.C.

Extemporaneous, taken from other papers.

LOOKING AHEAD

Carroll F. Merriam, Pennsylvania Water and Power Company, Baltimore, Md.

Paper distributed at meeting; copies available from author.

SLEET THAWING PRACTICES OF THE NEW ENGLAND ELECTRIC SYSTEM

H. R. Selfridge, New England Power Company, Boston, Mass.

AIEE Technical Paper 52-189, with C. P. Corey and H. R. Tomlinson.

A RECORD OF SNOW AND RELATED WEATHER OBSERVATIONS

Walter T. Wilson, U.S. Weather Bureau, Washington, D.C.

Consult author.

FORECASTING SNOW-MELT FLOODS

William E. Hiatt, U.S. Weather Bureau, Washington, D.C.

To be published elsewhere; consult author.

STORM OF FEBRUARY 1899 AND HEAVY SNOWFALLS ALONG THE ATLANTIC COAST

David M. Ludlum, Weatherwise, Franklin Institute, Philadelphia, Pa.

To be published in *Weatherwise*.

A FIELD INVESTIGATION OF ICE PRESSURES ON DAMS IN CANADA

J. G. Willmot, Hydro-Electric Power Commission of Ontario, Toronto.

Paper promised to American Society of Civil Engineers.

SOME MEASUREMENTS OF ABLATION, MELTING, AND SOLAR ABSORPTION ON A GLACIER IN PERU

Wallace E. Howell, Wallace E. Howell Associates, Cambridge, Mass.

Published in Transactions of American Geophysical Union, Vol. 34, No. 6, pp. 883-888.