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INTRODUCTION

The Concrete Associations of the five nordic countries - Denmark, Finland, Iceland, Norway and Sweden - have a long tradition in joining forces.

This internordic cooperation in the field of concrete exists on many levels and in many forms. To mention a few: Cooperation through committees concerning codes of practice and standards, publication of the technical magazine "Nordisk Betong", holding regular nordic Congresses and seminars etc.

The official cooperative body is the Nordic Concrete Federation.

In view of our similarities concerning history, climate and language, this joint activity is only natural and rational. The present publication represents a further step in the long line of internordic cooperation.

Information and communication between countries is essential. Language can be a barrier. This is the main reason for presenting a magazine called "Nordic Concrete Research" in English. By making some of our research available in a "world language" this will hopefully encourage contact between concrete research institutions in our countries and institutions and individuals elsewhere.

We hope to make this a regular "channel" of information and that this will promote research and development as well as making use of the results. Ultimately promote the use of concrete.

The Nordic Concrete Federations Research Committee is left in charge with the editorial side of the publication.

Arne Skjelle
Chairman of the Nordic
Concrete Federation

PREFACE

The Research Committee is a working group within the Nordic Concrete Federation.

Founded in the fifties the Committee has mainly been active in two fields. First of all responsible for an internordic conference which takes place every three year, in one of our countries, under the leadership of the respective national concrete association. The basic idea behind this conference is to collect and present research which has been done in the last three years, which is going on or which has been started in the nordic region. This conference has been a great success and helped us to spread knowledge and research results much faster than would else have been possible.

The second main field of activity of the Research Committee has been to initiate working meetings with about twenty to twenty-five specialists from the different nordic nations. The goal is in that way to stimulate cooperation between our nations in the field of research and also prevent duplication and thereby waste of money and manpower.

The committee has now been left in charge of a third kind of activity, which is the publication of this yearbook called: "Nordic Concrete Research".

The authors themselves are responsible for their own reports but the committee has tried to set rather high quality standards.

The committee hopes that this yearbook will create a possibility for the nordic researchers to publish their thoughts and results quickly. The committee also hopes that this yearbook will be useful for readers outside the nordic region and help to spread the knowledge about concrete which already exists in our countries around the world.

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