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INTRODUCTION

Traditionally, the Nordic countries have a wide concrete research. This is manifested every three years, when an inventory of research in progress is made by the research committee of the Nordic Concrete Federation. The list published in 1981 contained about 270 project titles. In this book you will find the 1984 list with 236 titles.

It is then clear that the 15 papers which have been selected for a presentation in this book to an international audience really represent a most discriminating selection. This very delicate task has been performed by the research committee mentioned above. Personally, I think that they have been successful in their selection. The papers show in a representative way both the variation in level of attack and in items of the concrete research in this part of the world. The papers cover a rather wide range of subjects, from constitutive models to structural elements, from hydration to durability, from reinforcing steel to properties of cryogenic concrete, from energy saving in the production process to vacuum carbonation etc.

The mere fact that the Nordic countries organise these inventories of research in progress, publish the list and even in a year book publish selected examples of research papers shows that good contact exists between Nordic concrete researchers and thus that there are good conditions for more cooperation in our research. It would probably be possible to go further than that and try to coordinate our research already when planning it. That would be to take full profit of the good relations that exist within concrete research in our five Nordic countries.

Sven G. Bergström
Head of the Swedish Cement and Concrete
Research Institute

PREFACE

At the beginning of the last year, a new publication was introduced.

This was the first volume of an yearbook which is published by the Nordic Concrete Federation.

The response which we have received from different parts of the world has been very positive and has encouraged us to continue this publication.

We now present to you the second volume of this yearbook and hope that this book will, just like the first one, encourage cooperation between concrete research institutions in the nordic countries and researchers in other parts of the world. Thanks are extended to Knut Berg and the Concrete Association of Norway which organized the printing and the distribution of the book.

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