

Preface

As a satellite meeting before the IUPAC Natural Products Symposium in Stockholm, Sweden in 1966, a Symposium on Carotenoids other than Vitamin A was arranged in Trondheim, Norway. This became the first in a series of International Symposia on Carotenoids which have been held at 3-year intervals in Las Cruces, New Mexico, USA (1969), Cluj, Romania (1972), Bern, Switzerland (1975), Madison, Wisconsin, USA (1978), Liverpool, UK (1981), Munich, Germany (1984), Boston, Massachusetts, USA (1987) and Kyoto, Japan (1990).

Appropriately, Trondheim was again chosen as the venue for the 10th Symposium in the series. The growth of interest in carotenoids is clearly shown by the fact that, whereas only 31 participants attended the 1st Symposium in 1966, the 10th Symposium attracted 233 participants from 29 countries. The texts of the 19 invited plenary and session lectures are published in this volume. In addition to these lectures, 46 selected oral contributions were given and 135 posters accepted for display.

The 11th Symposium in the series will be held in Leiden, The Netherlands, in summer 1996, and is eagerly awaited by all scientists in the carotenoid field.

The carotenoid field is a very fruitful area for interdisciplinary research. The 24-hour days of midsummer week in Trondheim provided ample opportunity for stimulating informal discussion and the promotion of international collaboration, the benefits of which will surely be seen at the next Symposium.

On behalf of all participants I should like to express our warmest appreciation to the Chairmen of the Organizing Committee, Synnøve Liaaen-Jensen and Arne Jensen and to all their helpers for their tireless efforts and the personal touches which made this perfectly organized Symposium such a memorable occasion for all who were privileged to attend.

The organizers and International Advisory Committee of the Symposium are most grateful for the continuing tradition of support and sponsorship of IUPAC. They also wish to thank the several institutions and companies whose sponsorship and financial support is so vital to the success of such a meeting:

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Dr. Otto Isler

As symposium Editor, I wish to thank all the invited speakers who made my life easier by providing excellent manuscripts in good time and who graciously accepted suggested amendments. Thanks to their cooperation, and to the overall guidance of Mr. P. D. Gujral, Executive Editor of *Pure and Applied Chemistry*, these Proceedings have been published so soon after the Symposium.

At the opening of the Symposium, Professor B. C. L. Weedon delivered a moving tribute to Dr. Otto Isler, who died on the 28th September 1992 at the age of 82. Dr. Isler was a major driving force behind the establishment of the International Symposia on Carotenoids, with IUPAC sponsorship and financial support from his company, Hoffmann-La Roche. In addition to his pioneering contributions to the basic knowledge of the chemistry of carotenoids and to the development of industrial synthesis, he will long be remembered as editor of the monograph *Carotenoids*, published in 1971, which has given guidance to a generation of carotenoid scientists and remains an essential source of knowledge more than 20 years after its publication.

All who knew Dr. Isler remember him not just as a great scientist but also for his personal warmth and friendly interest towards everyone he encountered. The members of the 'Carotenoid Club' feel a strong sense of personal loss at his passing, and extend their deepest sympathy to Mrs Isler who supported him so well for so long.

This Volume provides a record of the Proceedings of the 10th International Symposium on Carotenoids, held in Trondheim, Norway, 20th-25th June 1993, and is dedicated to the memory of Dr. Otto Isler.

George Britton

Symposium Editor