

## Editorial

With the publication of Vol. 51, the editors and the publisher would like to take this opportunity to thank authors and readers for their collaboration and their efforts to meet the scientific requirements of this series. We appreciate our authors concern for the progress of Polymer Science and we also welcome the advice and critical comments of our readers.

With the publication of Vol. 51 we should also like to refer to editorial policy: *this series publishes invited, critical review articles of new developments in all areas of Polymer Science in English (authors may naturally also include works of their own)*. The responsible editor, that means the editor who has invited the article, discusses the scope of the review with the author on the basis of a tentative outline which the author is asked to provide. Author and editor are responsible for the scientific quality of the contribution; the editor's name appears at the end of it. Manuscripts must be submitted, in content, language and form satisfactory, to Springer-Verlag. Figures and formulas should be reproducible. To meet readers' wishes, the publisher adds to each volume a "volume index" which approximately characterizes the content.

Editors and publisher make all efforts to publish the manuscripts as rapidly as possible, i.e., at the maximum, six months after the submission of an accepted paper. This means that contributions from diverse areas of Polymer Science must occasionally be united in one volume. In such cases a "volume index" cannot meet all expectations, but will nevertheless provide more information than a mere volume number.

From Vol. 51 on, each volume contains a subject index.

Editors

Publisher

# Table of Contents

<b>Thermotropic Mesophases and Mesophase Transitions of Linear, Flexible Macromolecules</b>	
B. Wunderlich, J. Grebowicz . . . . .	1
<b>Properties and Applications of Liquid-Crystalline Main-Chain Polymers</b>	
M. G. Dobb, J. E. McIntyre . . . . .	61
<b>Liquid Crystal Side-Chain Polymers</b>	
H. Finkelmann, G. Rehage . . . . .	99
<b>Thermotropic Liquid-Crystalline Polymers with Mesogenic Side Groups</b>	
V. P. Shibaev, N. A. Platé . . . . .	173
<b>Author Index Volume 1–60/61</b> . . . . .	253
<b>Subject Index</b> . . . . .	261