



Molecular Crystals and Liquid Crystals

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Introduction

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INTRODUCTION

The Symposium on Solid State Chemistry was held at the Radisson-Plaza Hotel in Charlotte, North Carolina on 10 and 11 November 1983. It was part of the 35th Southeastern Regional Meeting of the American Chemical Society in Charlotte (9-11 November). The undersigned are most grateful to the Program Chairman for SERMACS-35, Professor Felix A. Carroll of Davidson College, Davidson, NC, for inviting them to organize this Symposium.

One of the purposes of this Symposium was to bring together the solid-state inorganic, organic, polymer and physical chemists of the Southeastern United States. Another was to provide a convenient, relaxed meeting of minds away from the hurly-burly of large national and international meetings. Probably the most important purpose of this Symposium was to convince our synthetic colleagues of the very valid and far-reaching physical and chemical problems that await them, invitingly, in solid-state investigations. Physical chemists and solid-state physicists would be sitting on their hands, were it not for the synthetic chemists who provide them with new and exciting materials.

As the Proceedings indicate, this was a small meeting (three invited papers, seventeen contributed papers, and five posters) but it had a nice international flair. The Editors are pleasantly surprised that 92% of these papers were written up for this volume.

The contributions range from organic conductors and super-conductors to magnetic studies of inorganic linear-chain systems, layered materials, modulated structures, polymers, a few theoretical calculations, EPR and electron spin-echo spectroscopy, crystal structures, and even papers on electrochemistry, ion implantation, and optical switching.

All this activity shows that solid-state chemistry, in its several varieties (organic, inorganic, polymeric) is very much alive. The Editors hope that such meetings will also be seminal in increasing the interest in solid state chemistry throughout the chemical community.

We are indebted to Dr. Daniel J. Sandman for suggesting published Proceedings, to Prof. Mortimer M. Labes for agreeing to publishing them in Molecular Crystals and Liquid Crystals, and to Gordon and Breach for some financial support. Thanks are also due to the organizers of SERMACS-35 for running the meeting so smoothly, so that all we had to worry about was the science.

Our contributors and participants deserve our greatest praise: they made this Symposium work. Without them, nothing would have been. Some of them came from afar (Germany, Japan, Israel).

Last but not least, the crew at the University of Mississippi helped immensely with their diligence, efficiency, and cheerfulness. We thank Ms. Annette B. Kelly, Ms. Dale L. Davis, and Ms. Harriet D. Hearn, as well as the North Star Advantage word processor.

Happy reading!

Robert M. Metzger
William O. J. Boo
Department of Chemistry
The University of Mississippi
University, MS 38677