Liquid crystal science underlies the technology of about half the current display technology by value, an industry now worth some $10 billion per annum worldwide. The fundamental science underlying this straddles the disciplines of chemistry, physics, engineering, mathematics and computer science. Amongst liquid crystal scientists today there is much interest in the historical process that has brought the subject to its present level. The historical roots lie in the years following 1888, again in the interwar years, and finally in the late 60s and 70s.

In this book the editors aim to collect as many as possible of the important papers in the development of liquid crystal science into one reference volume. The collection is divided into sections, each of which is prefaced by a brief commentary, referring to the historic-scientific context of the time. Some of these papers are available for the first time in English.

*Crystals that Flow* is aimed at liquid crystal scientists – from whatever background – physics, mathematics, chemistry, engineering or computer science. Historians of science will also find this a useful reference.

Contents Include:

Part I: The Early Period: Liquid Crystals or Crystalline Liquids?
Part II: The Interwar Period: Anisotropic Fluids or Mesomorphic Phases?
Part III: The Modern Physical Picture
Part IV: The Development of Display Device Technology
Part V: Lyotropic, Polymeric and Elastomeric Liquid Crystals

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