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## Soap, Science, and Flat-Screen TVs: A History of Liquid Crystals (Paperback)

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By David Dunmur, Tim Sluckin

Oxford University Press, United Kingdom, 2014. Paperback. Condition: New. Reprint. Language: English . Brand New Book. The terms liquid crystal or liquid crystal display (LCD) are recognized in the context of flat-screen televisions, but the properties and history of liquid crystals are little known. This book tells the story of liquid crystals, from their controversial discovery at the end of the nineteenth century, to their eventual acceptance as another state of matter to rank alongside gases, liquids, and solids. As their story unfolds, the scientists involved and their works are put into illuminating broader socio-political contexts. In recent years, liquid crystals have had a major impact on the display industry, culminating in the now widely available flat-screen televisions. This development is described in detail over three chapters, and the basic science behind it is explained in simple terms accessible to a general reader. New applications of liquid crystals in materials, biosystems, medicine, and technology are also explained. The authors approach to the subject defines a new genre of popular science books. The historical background to the scientific discoveries is given in detail, and the personal communications between the scientists involved are explored. The book tells the story of liquid crystals,...



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