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Nota di contenuto	pt. 1. Introduction and overview -- pt. 2. Reprints of SDW or CDW phenomena in simple metals -- pt. 3. Thirty unexpected phenomena exhibited by metallic potassium.
Sommario/riassunto	Using potassium as an example, this work presents a unique approach to the anomalous effects in metals, resulting in knowledge that can be applied to similar materials. Most theoretical predictions on the electric, magnetic, optical, and thermal properties of a simple metal do ? surprisingly ? not agree with experimental behavior found in alkali metals. The purpose of this volume is to document the many phenomena that have violated expectations. It collects in one place the research by Albert Overhauser, one of the pioneers of the field. His and his collaborators work has led to a unified