

Contents of Volume 1

<i>Contents of Volumes 1–4.</i>	v
<i>General Preface.</i>	ix
<i>Foreword to Volume 1</i>	xi
<i>Contents of Volume 1.</i>	xv
<i>Contributors to Volume 1</i>	xvii
1. R. Zallen <i>Crystal structures.</i>	1
2. J. L. Birman <i>Lattice dynamics – phonon symmetry and selection rules.</i>	29
3. S. S. Mitra and N. E. Massa <i>Lattice vibrations in semiconductors</i>	81
4A. E. O. Kane <i>Energy band theory</i>	193
4B. M. L. Cohen and J. R. Chelikowsky <i>Pseudopotentials for semiconductors</i>	219
4C. J. C. Phillips <i>Chemical models of energy bands</i>	257
5. M. Altarelli and F. Bassani <i>Impurity states: theoretical.</i>	269
6. J. M. Baranowski, M. Grynberg and S. Porowski <i>Impurities in semiconductors: experimental</i>	323
7. P. T. Landsberg <i>Semiconductor statistics.</i>	359
8. L. M. Roth <i>Dynamics of electrons in semiconductors in electric and magnetic fields.</i>	451
9. A. C. Smith <i>Transport using the particle kinetic model.</i>	487
10. E. M. Conwell <i>Transport: the Boltzmann equation</i>	513
11A. D. K. Ferry <i>Fundamental aspects of hot electron phenomena</i>	563
11B. A. B. Fowler <i>Transport in inversion layers</i>	599
11C. J. R. Barker <i>Fundamental aspects of quantum transport</i>	617

11D.	D. C. Tsui	
	<i>Semiconductor tunneling</i>	661
11E.	P. N. Butcher	
	<i>AC conductivity</i>	689
12.	W. Zawadzki	
	<i>Mechanisms of electron scattering in semiconductors</i>	713
13.	D. Adler	
	<i>Electronic correlations, polarons, and hopping transport</i>	805
	<i>Author index</i>	843
	<i>Subject index</i>	869

