

reducing the value of this book. Most of the subjects are presented too briefly; they can be found discussed in more detail in several books on spectroscopy and in review articles.

The book is well produced and proof-read—it is recommended to advanced graduate students and researchers interested in the field.

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Solid State Chemistry and Physics, An Introduction, Volume 1

P. F. Weller, ed.
500 pp. Marcel Dekker, New York, 1973.
\$26.50

The topic of this book, solid-state chemistry and physics, has received lip service for many years, but because of the separation of the academic disciplines it has seldom been taken seriously. The changing employment market has, however, caused a corresponding change in attitude in academic departments where there is interest in what becomes of their graduates, and these changes are reflected in this volume. In short, the subject of this book is "Relevant." This fact has

not escaped the publishers, who have produced an unattractive photo-offset volume for which they expect, and probably will get, a handsome price.

Physicists who are concerned with adjusting to the changing attitude of society toward science would do well to consider this modest but effective volume. The average age of the seven contributing authors is less than 40, and all are competent if not very distinguished. The exceptional feature of the book is its simple, direct approach, which deliberately avoids not only sophisticated mathematics but also elegance. As a result, the average reader with little or no previous acquaintance with the subject will not feel overawed. Instead, he is likely to finish the book, and when finished he will have a vocabulary sufficient to encourage him to approach the many authoritative and elegant texts available at higher levels.

This is the first volume of a two-volume set, and it covers most of the properties that would be of interest from a materials viewpoint: structure and bonding, electrical, magnetic and optical properties, and some transport and magnetic resonance phenomena. The standard it sets is not high, and there is some unavoidable repetition from one author to the next, but it is likely to be useful to many students.

J. C. PHILLIPS
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Hadron Physics at Very High Energies. D. Horn, F. Zachariasen. 378 pp. W. A. Benjamin, Reading, Mass., 1973. \$17.50 hardcover, \$9.50 paperback

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Hall, Englewood Cliffs, N.J., 1973. \$11.95

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Electrotransport in Metals and Alloys. J. N. Pratt, R. G. R. Sellors. 201 pp. Trans Tech, Riehen, Switzerland, 1973.

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Solid State Surface Science, Vol 3. M. Green, ed. 222 pp. Marcel Dekker, New York, 1973. \$24.50

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Advances in Aerosol Physics, Vol. 4. V.

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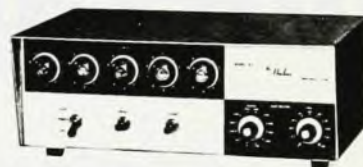
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