Book review

B. Renner, **Current algebras and their applications,** Pergamon Press, London, 1968. 177 p. 70/–.

This small monograph originated from a series of lectures given by the author at the Rutherford High Energy Laboratory, Chilton, England, in the summer of 1966. At the time of its appearance the book really filled a gap in the litterature on the applications of Current Algebra to the physics of elementary particles (also called high energy physics). The book was written in a period when the applications of Current Algebra were blooming. The author has tried to incorporate the latest developments in his book. Nevertheless some important developments of 1967 were not included. So at the time of its publication the book was not yet outdated but no longer representative for the applications of Current Algebra. The author can hardly be blamed for that judging the huge number of published papers : the list of references in this book contains 516 entries. Because the book is intended for the "uninitiated reader" the author has provided an adequate list of "selected references". Though the author states in his preface that he does not pursue completeness, he could not resist the temptation to condense a lot of information in this small book. Results are often stated without giving the derivation. In some places the book resembles a library catalogue. For full understanding of the statements the author gives the references where additional information may be found. Reviewer doubts whether this book is suitable for the "uninitiated reader". Concluding, the book can be recommended to anyone who is interested in this field of high energy physics. For a good understanding of the material in this book the reader cannot do without a solid background in the theory of dispersion-relations, unitary symmetry, etc. Is the speed of publication responsible for the considerable amount of misprints?

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