mathematical treatment in the text, but also to help the student visualize the real phenomenon it represents. The many photographs of real flows are also most helpful in this regard. Each chapter contains many examples and good exercise problems at the end. In short, it is an admirable text for a first course in gasdynamics on the senior or graduate level.

AIN A. SONIN Massachusetts Institute of Technology Cambridge, Mass.

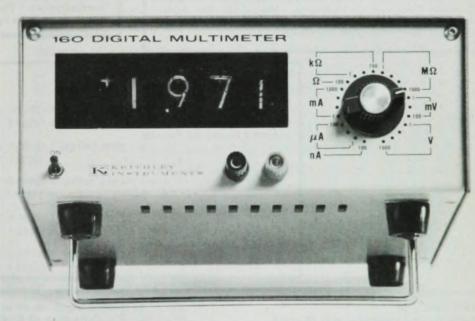
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M. L. Ter-Mikaelian 457 pp. Wiley, New York, 1972. \$27.50

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The calculations of high-energy electron-photon processes are laborious when done exactly; the author has chosen to solve the problems by the Weizsäker-Williams method in which the electric field of the medium is transformed into an expansion of pseudophotons seen by the fast particle. The method leads to easier calculations and gives a nice insight into the mechanisms of the effects. The author devotes a great deal of care to examining the limits of applicability of his derivations and the physical processes surrounding the mathematics.

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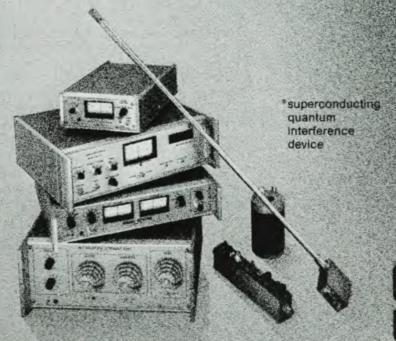
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