
The Oscilloscope at Work. *A. Haas and R. W. Hallows.* Philosophical Library, New York. 1956. 171 pp., 102 diagrams, 217 oscillograms. \$10.00.

This book is an adaptation and enlargement of the original French work "L'Oscillographe au Travail" by A. Haas. The text forms an intimate commentary on the state of the art of electronics and on the frugality in instrumentation which exist in Europe. However, in American usage, experimentalists would more conveniently employ other instruments for tasks which the author gives to the oscilloscope. Ingenuity in circuit design is evident and the reader may count on adding to his store of tricks. Among the topics treated are the investigation of electrical magnitudes, various oscillators and amplifiers, modulation and a good elementary treatment of phase shifting and pulse shaping circuits. A quotation, ". . . there is no need for us to plunge into the integral calculus" illustrates the non-mathematical character of subject treatment. The relatively high cost is accounted for by the lavish and sometimes redundant use of oscillograms.

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Precision Electrical Measurements. *The National Physical Laboratory* (Great Britain), Eds. Philosophical Library, New York. 1956. xxii+370 pp. \$12.00.

This volume consists of the twenty six papers presented at an international symposium on Precision Electrical Measurements which was held at the National Physical Laboratory in November 1954. The papers are about equally divided among five broad categories: Capacitance and Dielectrics, Inductance and Magnetics, Electrotechnics, High Voltage Measurements and High Voltage Impulse Testing Techniques.

In common with most symposia the details of the contributions at this meeting are not of general interest. Though the caliber of the work presented is unquestionably high, the average reader will not delve deeply into such topics as: A precision Dual Admittance Bridge for the Range 3 Mc/s to 300 Mc/s; and the Stabilization of A.C. Power Supplies derived from Rotating Machinery. This collection of essays belongs in the university library and the person who uses electrical laboratory equipment will gain insight and breadth of understanding from a perusal of some of the contributions presented here. One such paper is the article by Chester Peterson of our own National Bureau of Standards on the history of the development of alloys for precision resistors.

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