New McGraw-Hill Books in Electronics

**Ready this Month**

**Theory of Thermionic Vacuum Tubes**

By E. Leon Chaffee, Professor of Physics, Harvard University. *Electrical Engineering Texts.* 666 pages, 6 x 9. $6.00.

A comprehensive theoretical treatment of the fundamentals of thermionic emission and of the vacuum tube. The use of the vacuum tube as an amplifier and detector is also discussed. Much original material is here made available for the first time, including a chapter on non-linear elements and sections dealing with path of operation, large-signal regeneration, etc. Although the mathematical treatment is extensive, every effort has been made to simplify the expressions so that they can readily be used for calculation.

**High Frequency Measurements**

By August Hund, Consulting Engineer. *International Series in Physics.* 484 pages, 6 x 9. $5.00.

This book gives a thorough discussion of high frequency phenomena applied to measurements. The subject matter is treated critically. In the presentation of up-to-date practice and theory, the treatment of the applications is elementary enough to meet the needs of anyone interested in carrying on high frequency measurements and research work.

**Recently Published**

**Radio Engineering**

By Frederick Emmons Terman, Associate Professor of Electrical Engineering, Stanford University. 750 pages, 6 x 9. $5.00.

Analyzes electrical circuits and vacuum tubes and reduces them to quantitative relations that predict with accuracy and certainty the performance of radio circuits and radio apparatus.

**Communication Engineering**

By W. L. Everitt, Associate Professor of Electrical Engineering, The Ohio State University. 567 pages, 6 x 9. $5.00.

Covering fundamentals of communication by wire and wireless networks; this book provides a balanced course stressing broad principles rather than specific applications.

**Radio Frequency Electrical Measurements**

By Hugh A. Brown, Assistant Professor of Electrical Engineering, University of Illinois. 386 pages, 6 x 9. $4.00.

The book explains theory and principles; describes the necessary steps in the laboratory procedure of manipulation, and discusses the precision attainable, precautions, etc.

**Radio Engineering Handbook**

Editor-in-Chief: Keith Henney, Associate Editor of *Electronics,* assisted by a staff of specialists. 600 pages, 4 1/4 x 7. $5.00.

An authoritative handbook providing the engineer with technical data on all fields and aspects of radio engineering. Covers new tubes, circuits including silent tuning systems, lock-in systems preventing distortion due to mistuning, etc.

Send for copies on approval

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