

BOOK REVIEW

Acoustics. Alexander Wood, *Interscience Publishers, Inc.* (New York, N. Y.) 1941; 575 pp., 310 illustrations; \$6.00.

This book is intended for students who desire a more detailed treatment of acoustics than they can find in a book on general physics. A student who has mastered this book should have an exceedingly good fundamental knowledge of modern acoustics. The book is also valuable to the engineers who wish to form a basis for specialization in any of the numerous applications of acoustics. The contents by chapters are Wave Motion; Analytical Discussion of Wave Motion; Forced Vibration; Resonators, Filters, and Horns; Dissipation of Energy of Sound-Waves; Reflection of Sound-Waves; Refraction of Sound-Waves; Superposition or Interference; Diffraction; Measurement of the Velocity of Sound; Vibrations of Strings; Organ Pipes; Intensity of Sound; Pitch and Frequency; Analysis of Sound; Rods, Membranes, and Plates; The Ear and Hearing; Recording and Reproduction of Sound; Acoustics of Buildings; Name and Subject Index.

As indicated by the contents, this book covers the entire gamut of both classical and modern acoustics. This book is valuable and unique in the wide exposition of the classical side of acoustics in a modern style. Due to the wide scope of subjects covered in this book, the treatment is in certain instances quite brief. However, this is compensated for by the inclusion of references to more comprehensive expositions. The book is adequately and appropriately illustrated.

In summary: "Acoustics," by Wood, is a contribution to acoustic literature which is of value and interest to the advanced student, applied physicist, and acoustical engineer.

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