cates this work is not concerned with photovoltaic or photoconductive cells but does treat all types of tubes based on photoelectric emission. An entirely new chapter on the theory of this effect has been contributed by S. Rodda. The chapter on multiplier photocells has been expanded in accord with their importance in scintillation counters and other recent applications. Image converters and television pick-up tubes are also discussed. The book contains useful and authoritative information about the manufacture, properties, relative advantages, and limitations of various types of tubes, but only a very sketchy account of their applications. (118 pp. Methuen and Company Ltd., London, 1951; John Wiley & Sons, Inc., 1952, $1.90.)

Chemistry

Inorganic Chemistry, An Advanced Textbook, by Therald Moeller (966 pp. John Wiley & Sons, Inc., 1952, $10.00) is written for advanced undergraduate and beginning graduate students. It is divided into two parts—the first discusses principles and theory, and the second covers the chemistry of the elements and their compounds. The section on principles includes chapters on atomic nuclei, extranuclear structure of the atoms, the periodic classification of the elements, valency and the chemical bond, oxidation potentials, acids and bases, and nonaqueous solvents. The section on the chemical elements presents the elements and their compounds arranged by periodic group. Characteristics of the naturally occurring isotopes and the members of the disintegration series are tabulated in the appendices.

Theory of Error

Many undergraduate physics majors do not have a clear idea of the nature of experimental errors, how they are expressed and propagated, and the adjustment of data. In *Introduction to the Theory of Error* (65 pp.; Addison-Wesley Publishing Co., Inc., Cambridge, Massachusetts, 1953; paperbound, $1.25) Yardley Beers provides a remedy for this situation, and his clear, thorough exposition of the above topics should find wide employment. A section on the statistical errors of nuclear physics dealing with counting instruments and two thoroughly worked-out examples of error calculations supplement the text proper, adding to the practical usefulness of the book for the student.

Atomic Bomb Injuries

A collection of papers by Japanese physicians on injuries arising from the two explosions of atomic bombs in Japan is now available for $8.00 from Maruzen Co., Ltd., P. O. Box 605 Tokyo Central, Tokyo. Edited by Nobuo Kusano, the 98-page book covers body disturbances caused by fission products and induced radioactivity, and chronic disturbances as well as direct injuries.

Extreme-Value Analysis

Probability Tables for the Analysis of Extreme-Value Data, number 22 in the NBS Applied Mathematics Series contains tables of the cumulative probability function and density function of extremes and related functions. There are six different functions tabulated. These, along with the introduction and bibliography by E. J. Gumbel, provide an excellent tool for extreme-value analysis. Government Printing Office, Washington 25, D. C. Price: 25 cents.

Books Received

ELECTRICITY AND MAGNETISM. By Edson Ruther Peck. 476 pp. McGraw-Hill Book Company, Inc., New York, 1953. $7.50.

TABLES OF COEFFICIENTS OF THE NUMERICAL CALCULATION OF LAPLACE TRANSFORMS. NBS Applied Mathematics Series 30. By Herbert E. Salzer. 36 pp. U. S. Government Printing Office, Washington 25, D. C. $0.25.

GALILEO GALILEI—DIALOGUE CONCERNING THE TWO CHIEF WORLD SYSTEMS—PTOLEMAIC AND COPERNICAN. Translated by Stillman Drake. 496 pp. University of California Press, Berkeley and Los Angeles, California, 1953. $10.00.

INTRODUCTION TO TENSORS, SPINORS, AND RELATIVISTIC WAVE-EQUATIONS (RELATIONS STRUCTURE). By E. M. Corson. 221 pp. Hafner Publishing Company, New York, 1953. $10.00.

TEMPERATURE MEASUREMENT IN ENGINEERING. Volume I. By H. Dean Baker, E. A. Ryder, and N. H. Baker. 179 pp. John Wiley & Sons, Inc., New York, 1953. $3.75.

ALTERNATING CURRENT MEASUREMENTS AT AUDIO AND RADIO FREQUENCIES. By David Owen. 120 pp. Methuen & Co., Ltd., London, England; John Wiley & Sons, Inc., New York, 1953. $2.00.

MECHANIK, AKUSTIK UND WÄRMELEHRE. By Robert Wichard Pohl. 345 pp. Springer-Verlag, Berlin, Germany, 1953. DM 23.80.

NUCLEAR PHYSICS. By W. Heisenberg. 225 pp. Philosophical Library, New York, 1953. $4.75.

COMPLEX VARIABLE THEORY AND TRANSFORM CALCULUS WITH TECHNICAL APPLICATIONS (Second Edition). By N. W. McLachlan. 388 pp. Cambridge University Press, New York, 1953. $10.00.

ROGER BACON IN LIFE AND LEGEND. By E. Westacott. 140 pp. Philosophical Library, New York, 1953. $3.75.

SPACE TRAVEL. By Kenneth W. Gatland and Anthony M. Kunesch. 205 pp. Philosophical Library, New York, 1953. $4.75.

CONDUCTION THERMIQUE DANS LES GAZ RARÉFIÉS. COEFFICIENT D'ACCOMODATION. By F. Marcel Devienne. 74 pp. Gauthier-Villars, Paris, France, 1953. Paperbound. 900 francs.

COURS DE PHYSIQUE INDUSTRIELLE. Volume I. By A. Mondièz. 684 pp. Gauthier-Villars, Paris, France, 1954.

TECHNICAL ASPECTS OF SOUND. Volume I. Edited by E. G. Richardson. 544 pp. Elsevier Press, Inc., New York, 1953. $11.00.

MODERN ELECTROPLATING. Edited by Allen G. Gray. 563 pp. John Wiley & Sons, Inc., New York, 1953. $8.50.

GRÖSSENGLEICHUNGEN EINHEITEN UND DIMENSIONEN. By Julius Wallot. 216 pp. Johann Ambrosius Barth Verlag, Leipzig, Germany, 1953. Clothbound DM 16.35; paperbound DM 14.70.

MICROWAVE LENSES. By J. Brown. 125 pp. Methuen & Co. Ltd., London, England; John Wiley & Sons, Inc., New York, 1953. $2.00.