

held during—the elsewhere cold—December of 1967 in San Juan, Puerto Rico. The large volume under review constitutes a set of papers presented at this meeting but the editors have tried to include references, tables, and other material which should make this book a “permanent hand book for everyday use.” Contributors came from university, hospital, government, and industrial laboratories. Indeed, this reviewer could not find a suitable reviewer candidate in the field who was not also an author in this large volume.

The table of contents is so comprehensive that anyone working in neuro- or psychopharmacology will find a chapter of interest to his specific needs. The introductory section deals with neurotransmitters and neuroreceptors. Specific types of drugs treated include antiemetic, antidepressant, antipsychotic, and psychotomimetic agents, drugs affecting memory, behavior, and learning, and finally alcohol and addictive narcotics. There are extensive discussions of electroneurophysiological indicators of drug action, of the toxicology of psychopharmacological drugs, and of research in patients and its ethical and legal implications. The papers reach all the way from fundamental and detailed biochemistry to the less concise levels attainable in the mental clinic.

The hundreds of investigators now interested in psychopharmacology will barely be able not to afford to have this important collection of first-class research reviews on their workbench, or near their analytical couch, especially at the low price provided by the U. S. Government Printing Office.

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Principles of Radiological Health. By EARNEST F. GLOYNA and JOE O. LEDBETTER. Marcel Dekker, Inc., New York, N. Y. 1969. xviii + 473 pp. 23.5 × 16 cm. \$14.50.

As experiments with radioactive isotopes become more common in mechanistic and metabolic studies, the practitioner will become more aware of radiation exposure and its hazards to his health. Likewise, the patient receiving radioactive drugs must be protected from radiation damage. Theories and practical aspects of damaging radiation are treated in this book on a level useful for graduate students or as a reference volume. The introductory chapters about atomic structure with emphasis on nuclides and isotopes, radioactive processes and decay, and the physical interaction of radiation with matter orient the reader about the background of the main topics to be tackled. These include the dosage of radiation, its calculation, detection, and statistical measurements, and good descriptions of the techniques involved. The effects of ionizing radiation on solids, liquids, gases, and biological systems are treated in an extensive chapter; so are methods of disposal of wastes and of preventing radioactive contamination, a good feature for anyone working under an AEC license. Radiation protection methods, shielding operations, protection from X-ray damage, and a brief discussion of hazards of nonionizing radiation, so often overlooked, conclude the volume. Several appendixes contain numerical data in tabular form, useful for the calculations found in the body of the book. Each chapter is amply referenced, and there are author and subject indexes.

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