

BOOK REVIEWS

Selection of books for review is based on the editors' opinions regarding possible reader interest and on the availability of the book to the editors. Occasional selections may include books on topics somewhat peripheral to the subject matter ordinarily considered acceptable.



JOLLY GOOD SHOW

Title The Radiochemical Manual, Second Edition

Authors The Radiochemical Centre Staff, Ed. B. J. Wilson

Publisher The Radiochemical Centre, Amersham, 1966

Pages 327 including numerous charts

Price 50 Shillings

Reviewer A. F. Rupp

Dr. W. P. Grove, in his foreword to this volume, pretty well characterizes its contents when he says: "This book is intended as a guide for all who use radioactive substances professionally. Its aim is to help the individual user—the scientist, doctor, engineer, or technologist—to choose the right material for his particular purpose and to make effective use of it."

The Radiochemical Manual, now in its second edition, is written and revised by a dozen members of the staff of the Radiochemical Centre at Amersham, England. I have known Dr. Grove and his associates since the earliest days of the radioisotope business. I can assure potential readers of the competence of this group to write on the preparation and characterization of radioisotopes.

While this book is a general reference in the field, it is of course oriented toward British radioisotope work and particularly the activities of The Radiochemical Centre. Short

sections on basic nuclear and chemical processes, important definitions, and tabulated and graphical data on radioisotopes are quite useful; one would have to search through a number of books and papers to find data that are made readily accessible in this volume.

An outstanding feature of the book is the treatment given to the synthesis of labelled inorganic and organic compounds. A section is devoted to graphic flow sheets for the preparation of labelled compounds with ^{14}C , ^{35}S , ^{32}P , and ^{36}Cl . I believe many people will find this very useful.

Quite a number of references are given, and one chapter is devoted to sources of information in the literature. Here again, my observation is that the references are heavily oriented toward the British literature, and, quite naturally, toward work in which Amersham products have played a prominent role.

I believe that many radioisotope users will find this to be a handy reference, and I recommend it for this purpose. One slight criticism: Along with the rest of the bifocal set, I like the large, bold type, but I don't like $8\frac{1}{2}$ - \times - $11\frac{1}{2}$ -in.-sized reference books; they just don't fit on the shelf.

Arthur F. Rupp (BSChE Purdue University, 1933) was assigned by the DuPont Company in 1943 to the Manhattan Project, working at Clinton Laboratories and Hanford on the original graphite reactor and plutonium separations processes. Returning to Oak Ridge in 1946, he organized the radioisotope development and production program and

now holds the positions of Director, Isotopes Development Center, having responsibility for research, development, and production of radioactive and stable isotopes, and ORNL Services Superintendent, with responsibility for the Laboratory reactor operations, waste disposal, plant facilities operations, shops, field engineering, and maintenance.

ZEALOUSLY UNCLUTTERED

Title Corrosion and Its Prevention in Waters

Author G. Butler and H. C. K. Ison

Publisher Reinhold Publishing Corporation, 1966

Pages 281

Price \$12.00

Reviewer H. P. Leckie

As the authors themselves state in the Preface, this book emphasizes the practical aspects of corrosion problems in waters, while keeping theoretical explanations of the various corrosion phenomena to a minimum. In this respect, the book should provide an adequate background for the engineer finding himself introduced to problems in plant or equipment corrosion. The first chapter gives a brief introduction to the basic principles of corrosion, while in the succeeding chapters a considerable amount of