Book Section

ELECTROCHEMISTRY IN TRANSITION FROM THE 20th TO THE 21st CENTURY

Ed. Oliver J. Murphy, Subramanian Srinivasan and Brian E. Conway, *Plenum Press, New York and London* (1992)

This book consists of several chapters, which are multidisciplinary encompassing topics of fundamental, applied, theoretical and experimental electrochemistry. It originated out of the papers presented at the symposium held in Toronto in honour of Professor J.O'.M Bockris, on the occasion of his receiving the ACS award on "The Chemistry of contemporary technological problems" which coincided with his 65th brith annivarsery.

The forty one chapters of the book are divided into nine major parts based on broad subject areas. The 17th chapter contributed by J.O.'M Bockris deserves a special mention. This chapter, which is the longest in the book, covers topics of several major problems which were the subject of research of the author during his active research career spread over half - a - century. These problems cover almost all important areas of research in electrochemistry. It is interesting to read his personal experiences with his coworkers, associates, students as well as his wives in conjucture with his scientific achievements.

Part I of the book, which is devoted to the double layer consists of four chapters. The concepts and the contributions of the authors are concisely elucidated. The subsequent parts are on Spectroscopic studies, Electrode kinetics and Electrocatalysis, Photoelectrochemistry, Hydrogen Technonology, Bioelectrochemistry, Electrodeposition and dissolution, Corrosion and Electrochemical energy conversion.

Each chapter deals with the chosen topic comprehensively involving the authors' research contributions. The book deserves a place in libraries and laboratories involving electrochemical research.

The editors deserve compliments for bringing out this book. May Professor J.O.'M. Bockris cherish a long continued love to electrochemistry in future.

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