

NOTICE

Electrochemical Energy Storage 1981

A conference on the above topic is being jointly sponsored by the Electrochemical Technology Group of the Society of Chemical Industry and The Electrochemistry Group of the Faraday Division of the Royal Society of Chemistry. It will take place at the premises of the SCI, on 29–30 October, 1981.

At this meeting, recent advances in the fields of separators, membranes, new electrode materials, kinetics of electrode reactions and bioenergetics

will be discussed. The organizing committee has encouraged authors to present results of recent investigations, and where possible to emphasize the interdisciplinary aspects of the subjects.

For further information contact:
Electrochemical Energy Storage 1981,
The Conference Secretariat,
Society of Chemical Industry,
14 Belgrave Square,
London SW1 8PS,
UK

Chemical Power Sources

V.S. Bagotzky and A.M. Skundin

Translated from the Russian by O. Glebov and V. Kisin
1980, xvi + 382pp., £26.80 (UK only) / \$64.50, 0.12.072650.5

In the literature dealing with electrochemical cells, no single monograph covers the field of interest as a whole. While the manufacture of cells and batteries involves such disciplines as physical and electrical chemistry, electronic engineering and the theory of thermal processes, most existing books on batteries deal only with selected topics. This book, both comprehensive and up-to-date, examines the problems of cell research and explains the most important features of each type of cell. It describes current attempts to develop new cell types and to improve on existing ones, and covers the problems of manufacturing, testing and adapting electrochemical power sources for specific usage. Tables of cell parameters are also given to illustrate the performance of the corresponding cells and batteries. The general structure of the book is in two parts: the first describes the features and principles of electrochemical processes and devices while the second considers the various systems of chemical power sources. Among the different aspects discussed in the latter section, the design of systems, the mechanism of their reactions, performance, and specific features of their applications are given prominence. Systems which are widely manufactured and employed are examined as well as systems under-going development.

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