

Ionenaustauscher, Volume 1. F. HELFFERICH.
Verlag Chemie, Weinheim/Bergstrasse, 1959. viii
+ 520 pp. DM 48.

This is the first text on ion exchange in the German language and it is an excellent work. Dr. Helfferich is no newcomer to the field and many of his friends in this country remember him from the Gordon Research Conference as a qualified and literate expert in the field. His present book is an eloquent witness to this. In twelve chapters the types of exchange materials, their preparation, capacity determination, equilibria, kinetics, electrochemical properties, exchanger membranes, column packing, behavior in aqueous and nonaqueous solvents, catalysts, and electron and redox

resins are treated comprehensively. The literature is covered to 1957, an essential accomplishment in a fast-moving field. Appendices for symbols, a list of commercial resins, and name and subject indices complete the work. The author states that his aim has been to provide a consistent and lucid picture of ion exchange without becoming involved in abstract theory or attempt of completeness. In this aim he has been, in the opinion of this reviewer, extraordinarily successful. An English translation under the imprint of an American publisher is promised. It will undoubtedly find an appreciative audience.

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