

CHROM. 3917

**Book Reviews**

---

*The Solid-Gas Interface*, by E. ALISON FLOOD (Editor), Marcel Dekker, New York, and E. Arnold, London, 1966/1967, two volumes, XXXII and 1175 pp., Price £8.15.0 and £11.0.0.

The book gives an up-to-date, comprehensive review in 37 chapters of the physical properties of the solid-gas interface. Every chapter is presented by an expert in the field and in spite of the large number of contributors (41) the treatment is fairly homogeneous. Practically all physical phenomena occurring at the gas-solid interface are discussed. However the book is mainly devoted to adsorption phenomena. Chapters on catalysis, swelling and liquid coated solids fall strictly speaking outside the scope of the book and are therefore less comprehensive. Nevertheless these chapters are of importance in the field of chromatography. The subjects of special interest for the chromatographer are the following:

Chapter 19: Surface and Volume Flow in Porous Media (R. M. BARRER), 53 pages;

Chapter 20: Chromatography and the Solid-Gas Interface (H. W. HABGOOD), 36 pages;

Chapter 21: Sorption by Liquid-Coated Solids and Gas Chromatography (S. ROSS AND E. D. TOLLES), 20 pages;

Chapter 22: Equilibrium Swelling due to Sorption (W. PRINS), 24 pages.

The layout and the printing of the book are good. The price is quite high but not in relation to the content.

It is hoped that a similar book on the solid-liquid interface will be published very soon.

*University of Amsterdam,  
Amsterdam (The Netherlands)*

J. F. K. HUBER