

This article was downloaded by:

On: 25 January 2011

Access details: *Access Details: Free Access*

Publisher *Taylor & Francis*

Informa Ltd Registered in England and Wales Registered Number: 1072954 Registered office: Mortimer House, 37-41 Mortimer Street, London W1T 3JH, UK



Journal of Sulfur Chemistry

Publication details, including instructions for authors and subscription information:

<http://www.informaworld.com/smpp/title~content=t713926081>

A Review of: "Sulfur: New Sources and Uses, ACS Symposium Series Vol. 183, edited by M. Raymont (American Chemical Society 1982. X 262 pp, \$33.95)."

Beat Meyer^a

^a University of Washington,

To cite this Article Meyer, Beat(1983) 'A Review of: "Sulfur: New Sources and Uses, ACS Symposium Series Vol. 183, edited by M. Raymont (American Chemical Society 1982. X 262 pp, \$33.95)."', *Journal of Sulfur Chemistry*, 3: 2, 81

To link to this Article: DOI: 10.1080/01961778308082445

URL: <http://dx.doi.org/10.1080/01961778308082445>

PLEASE SCROLL DOWN FOR ARTICLE

Full terms and conditions of use: <http://www.informaworld.com/terms-and-conditions-of-access.pdf>

This article may be used for research, teaching and private study purposes. Any substantial or systematic reproduction, re-distribution, re-selling, loan or sub-licensing, systematic supply or distribution in any form to anyone is expressly forbidden.

The publisher does not give any warranty express or implied or make any representation that the contents will be complete or accurate or up to date. The accuracy of any instructions, formulae and drug doses should be independently verified with primary sources. The publisher shall not be liable for any loss, actions, claims, proceedings, demand or costs or damages whatsoever or howsoever caused arising directly or indirectly in connection with or arising out of the use of this material.

BOOK REVIEW

Sulfur: New Sources and Uses, ACS Symposium Series Vol. 183, edited by M. Raymont (American Chemical Society 1982. X + 262 pp, \$33.95.).

Since involuntary sulfur from gas and oil has become the dominant source of commercial sulfur, interest in new uses and application of this highly versatile element has increased. This has stimulated research and development that is relevant for all sulfur chemists. This book resulted from a symposium held at the national ACS meeting in Atlanta in April, 1981. In many respects this book is a short version of a volume that resulted from a similar conference held a month later in Calgary under the sponsorship of the same trade organization, the Canadian Sulphur Development Institute. The volume contains fourteen chapters: New Sulfur Sources in the United States by M. Rieber (University of Arizona); Sulfur Recovery from New Energy Sources, by D. K. Fleming (Institute of Gas Technology); Recent Developments in Sulfur Production from Hydrogen Sulfide Containing Gases by J. B. Hyne (University of Calgary); Claus Processing of Novel Acid Gas Streams by D. K. Beavon, B. Kouzel and J. W. Ward; Sulfur Recovery from Oil Sands, by A. W. Hyndman, J. K. Liu and D. W. Denney (Syncrude Canada Lts); Potential Impact of Synthetic Fuels on the Sulfur Industry by D. Gray, M. Neuworth, A. El-Sawy, G. Tomlinson and S. I. Freedman (MITRE Corporation and U.S. Department of Energy); Sulfur from Hydrometallurgical Processing of Sulfide Minerals by A. T. Wilson (Duval Corporation); Sulfur Supply and Demand and its Relationship to New Energy Sources, by M. C. Manderson and C. D. Cooper (Manderson Associates); New Product Opportunities for Sulfur by D. R. Muir (SUDIC, Canada); Potential and Properties of Sulfur Concretes by N. G. Shrive, J. E. Gillott, I. J. Jordaan and R. E. Loov (University of Calgary) State of the Art of Sulfur Asphalt Paving Technology by D. Saylak and W. E. Conger (Texas A&M University); Industrial Application of Sulfur Concretes by R. H. Funke (ASARCO) and W. C. McBee (Bureau of Mines); Program on Road Construction Using Sulfur by G. D. Love and E. T. Harrigan (Federal Highway Administration), and Potential for New Sulfur Products in the Middle East by R. L. Terrel (University of Washington).

This book contains useful information, but it is very loosely organized, making it very difficult to find information. Many chapters are short on technical references and some authors quote mainly their own work. The subject index is too short. In summary this volume provides an interesting insight into the research interests of the Canadian Sulphur Development Institute, a trade organization which both sponsors and commercially exploits research. The book provides a good starting point for learning about the current developments in large scale applications of elemental sulfur and modified sulfur. This field deserves the attention of all sulfur chemists.

Beat Meyer
University of Washington