# REVIEWS

## INFRA-RED SPECTROSCOPY AND MOLECULAR STRUCTURE; A GUIDE TO INFORMATION SOURCES IN MINING, MINERALS, AND GEOSCIENCES

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INFRA-RED SPECTROSCOPY AND MOLECULAR STRUCTURE, edited by Mansel Davies. Published by Elsevier Publishing Company, Amsterdam, London and New York, 1963, xiii + 468 pp., illus., $17.50

This book presents a systematic introduction to basic principles of infra-red spectroscopy as applied to studies of molecular structure, a technique which has achieved prominence in various areas of scientific investigation during the last twenty years.

To provide thorough coverage of the basic features of and current developments in infra-red spectroscopy, the editor selected as contributors twelve distinguished workers in various facets of this field. Emphasis is placed on the fundamental aspects of the procedures treated. The simple, critical approach to each topic using specific examples well illustrates the breadth of application of infra-red spectroscopy to molecular structure studies.

A GUIDE TO INFORMATION SOURCES IN MINING, MINERALS, AND GEOSCIENCES, edited by Stuart R. Kaplan. Published by Interscience Publishers (John Wiley & Sons), New York, London and Sydney, 1965, xiv + 599 pp., $12.50

This is the second volume in the series of *Guides to Information Sources in Science and Technology.* In Part I, *Organizations*, over 1000 organizations from 142 countries are listed by geographic areas, including name, address, telephone number, cable address; description of purpose and functions; divisions or sections and their functions; number of members; and, publications. Part II, *Literature*, lists over 600 world-wide publications and periodicals of all types by geographical areas within twenty subdivisions or fields of pure and applied earth sciences; each by name of publication, address, first year issued, frequency of issue, and description of contents. To facilitate use of these sections, an *Index of Organizations*, an *Index of Literature*, and an *Index of Geographical Areas* were added.

The stated purpose of the author is to provide a "comprehensive guide to *current* and continuing sources of information in the fields of metallic and nonmetallic mining, metals, fuels, minerals, geology, geophysics, beneficiation and processing, geography and the broad area of pure and applied earth sciences." Though the more obvious publishing sources, such as federal agencies and state geological surveys are definitively listed, it is regrettable that many less obvious ones are omitted and, unfortunately, these are the most difficult to locate in library resources. The petroleum field is inadequately treated. The reader will search in vain for clues leading to the treasury of information in the *Transactions, Gulf Coast Association of Geological Societies*; or, to publications of the Gulf Coast Section or Permian Basin Section, Society of Economic Paleontologists and Mineralogists, or the world's second largest geological society, the New Orleans Geological Society. No mention could be found of the Ardmore Geological Society, the Shreveport Geological Society, the Oklahoma City Geological Society's *Shale Shaker,* the *Tulsa Geological Society Digest*, the guidebooks of the Wyoming Geological Association, the *Oil & Gas Journal*, or *Petroleum Abstracts* (University of Tulsa); all are of primary importance. Perhaps we can forgive omission of *Tulane Studies in Geology*, but what of the *Brigham Young University Geology Studies*, the *Bulletins* of the *Peabody Museum*, the *Publications* of the *Institute of Marine Science*, and many other university and museum series? It is hoped that a future edition will be more definitive.