

NEW Publications

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Special Publications

Pollution: Causes, Effects and Control

Edited by Roy M. Harrison

Pollution is an inevitable consequence of Man's existence on earth. As such, there will always be a requirement for the scientific study of the pollutants themselves, their biological effects, and for engineering controls within a suitable legislative framework. Recent years have seen intense activity within all of these areas which has accompanied an increased public awareness of pollution problems.

Pollution is a truly inter-disciplinary subject area in which few practitioners have received formal training in more than one of the many disciplines contributing to the knowledge and understanding of pollution problems. For this reason there is much to be gained from a broader perspective of the subject.

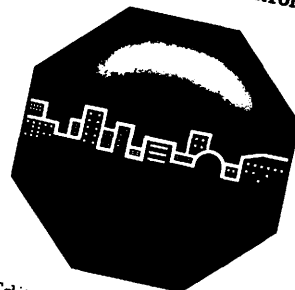
The chapters in this book are in the main derived from the course notes provided by lecturers at an R. S. C. Residential School on this topic held at Lancaster University in September, 1982. These have been supplemented by a few additional contributions aimed at improving the overall coverage of this very broad subject area. The Residential School had a teaching function and the chapters are pitched at a level appropriate to this objective.

This book will therefore be of value not only to teachers and students but also to scientists and technologists working in the field of pollution.

Pollution: Causes, Effects and Control



Pollution: Causes, Effects and Control



Edited by Roy M. Harrison

Contents

- The Control of Industrial Pollution
- Water Quality and Health
- Aspects of the Chemistry and Analysis of Substances of Concern in the Water Cycle
- The Role of Wastewater Treatment Processes in the Removal of Toxic Pollutants
- Sewage and Sewage Sludge Treatment
- The Chemistry of Metal Pollutants in Water
- Effects of Pollutants in the Aquatic Environment
- Important Air Pollutants and Their Chemical Analysis
- Pollutant Pathways in the Atmosphere
- Atmospheric Dispersal of Pollutants and the Modelling of Air Pollution
- Legislation and the Control of Air Pollution
- Catalyst Systems for Emission Control from Motor Vehicles
- Evaluating Pollution Effects on Plant Productivity: A Cautionary Tale
- Epidemics of Non-infectious Disease
- Systems Methods in the Evaluation of Environmental Pollution Problems
- Organometallic Compounds in the Environment

Special Publication No. 44

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Specialist Periodical Reports

Spectroscopic Properties of Inorganic and Organometallic Compounds Vol.15

Senior Reporters: G. Davidson and
E. A. V. Ebsworth

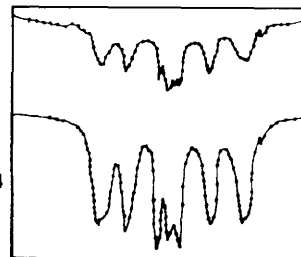
A review of the recent literature published up to late 1981

Brief Contents:

Nuclear Magnetic Resonance Spectroscopy; Nuclear Quadrupole Resonance Spectroscopy; Rotational Spectroscopy; Characteristic Vibrations of Compounds of Main-group Elements; Vibrational Spectra of Transition-element Compounds; Vibrational Spectra of Some Co-ordinated Ligands; Mössbauer Spectroscopy; Gas-phase Molecular Structures determined by Electron Diffraction.

"The individual authors have done well to review their fields so briefly and the editors are to be congratulated on a selection of material which should prove of interest to practising spectroscopists, inorganic chemists, and organometallic chemists." — *Jnl of Mol. Structure, reviewing Vol. 12*

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ROYAL SOCIETY OF CHEMISTRY

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A NEW Review Publication for Organic Chemists

Index of Reviews in Organic Chemistry 81-82 (IROC 81-82)

Index of Reviews in Organic Chemistry 81-82 is a successor to the Index of Reviews in Organic Chemistry edited by D.A. Lewis, the last issue of which was published in 1981. It contains information on review articles published in English, German or French during the period November 80 to December 82 which have been drawn from the chemical literature using a combination of manual and computerised search techniques.

Each entry includes the following information:-

- An index term
- An item number
- Title of the original document
- Bibliographic details
- A brief abstract if the scope of the review is not clear from the title
- An indication of the number of reviews cited in the original review

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Section 1 covers individual compounds and classes of compounds

Section 2 covers chemical processes and phenomena, e.g. reaction types, spectra etc.

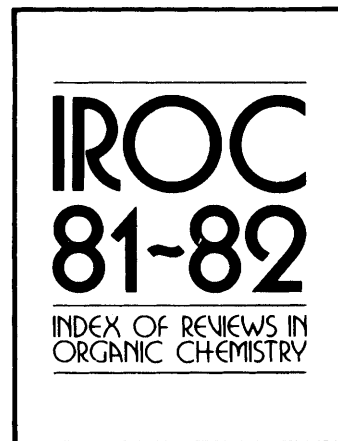
References within each section are arranged in alphabetical order of the index terms. Notes are included in the text to guide the user to preferred index terms, e.g. Olefins see Alkenes, Dienes see Alkadienes.

Also included is a list of books and conference proceedings with the following information:-

- | | |
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