

BOOK REVIEW—BUCHBESPRECHUNG

Waste Treatment.

Proceedings of the Symposium on the Treatment of Waste Waters. Edited by PETER C. G. ISAAC.
Pergamon Press, Oxford—London—New-York—Paris 1960.

This book of 477 pages contains 21 papers presented at a symposium organized by the Public Health Engineering Section of the Department of Civil Engineering of King's College in the University of Durham.

The papers discuss the problem of waste water treatment from a biological as well as engineering point of view. As an introduction some biochemical aspects of the aerobic organic waste treatment and of anaerobic digestion are discussed. Two further papers deal with the ecology of activated sludge and bacteria beds and with the use of manometric methods in the study of sewage and trade wastes.

The papers of the second part of the book are from the field of the biological treatment practice. Five papers introduce to the treatment of trade and industrial wastes such as those of chemical plants, distilleries and antibiotics production. New developments in the application of Kessener brushes in the activated sludge treatment and process design

of biological oxidation systems are also subjects of papers in this chapter.

Papers on sampling and analysis with special respect to the receiving waters and self-purification form the third group.

In the fourth part, the methods of sludge treatment *i. e.* filtration, drying, composting and the practice of sludge digestion are described.

The fifth part consist of papers discussing the waste treatment of some particular industries such as food canning and freezing industries, milk product factories and tanneries.

The only paper of the closing chapter is that devoted to the increasing problem of reclamation of water from domestic and industrial wastes.

As an appendix, the book gives a description of the separation and composting plant of the city of Edinburgh.

Discussions of the individual papers together with references are also given. A number of tables and diagrams make the book easy to survey. Photographs and flows sheets, respectively are annexed when necessary for a better understanding of equipments or processes. The alphabetic author and subject index enables an easy handling of the book.

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