This book is exceedingly pleasant to read, having been typeset in larger than normal type, having well drawn diagrams and even some (surprisingly, because of the high cost) colored photographs.

GARY F. BENNETT

Hazardous and Industrial Wastes: Proceedings of the Twenty-Sixth Mid-Atlantic Industrial Waste Conference, edited by C.P. Huang, Technomic Publishing, Lancaster, PA, 1994, $95.00, 771 pp., ISBN: 1-56676-211-1

This annual conference was organized by the Universities in the Mid-Atlantic region of the United States plus New York and Ohio. These proceedings are one of two annual conferences proceedings I anticipate with enthusiasm every year (the other is the Purdue Industrial Waste Conference).

This year the theme was "Enhancing Industrial Growth and Protecting our Environment: A Partnership Between Industries and Government." A total of 128 papers were presented at the conference in 12 different sessions; 84 of those papers are published under the following headings:

- Remediation
- Biological Processes
- Advanced Chemical Oxidation
- Adsorption Processes
- Case Studies
- Soil Treatment
- Pollution Prevention/Waste Minimization
- Resource Recovery/Reuse
- Groundwater Management
- Freshwater Systems
- Solid Residue Management
- Pollutant Fate and Transport

An index covering this (the 26th) plus five prior conferences is included.

GARY F. BENNETT

Toxic Properties of Pesticides, by N.P. Cheremisinoff and J.A. King, Marcel Dekker, New York, NY, 1994, $135.00, 336 pp., ISBN: O-8247-9253-X

Pesticides by their very nature are toxic compounds. As such, they are regulated in the United States by the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) that states no pesticide may be sold or distributed unless it is approved.

This book is intended to assist the practitioner in the proper usage and registration of pesticide ingredients. Thus, it appropriately begins with four short chapters on "Regulations and Safety."

The major prepared text of the book is devoted to the toxicology of insecticides:
- Organo phosphates
- N-methyl carbamates
- Solid organochlorines
- Biologicals
- Arsenicals

Unfortunately, the prepared text ends at page 105 with the remaining two-thirds of the text devoted to Appendices. I rarely find the balance pleasing when the appendices outweigh the text. The four appendices are:
- Properties, action and toxicological data base (although the material is labeled Part III, it really is a list which I consider appendix material)
- List of pesticides produced
- Pesticide production cross index
- Application index

GARY F. BENNETT

Unit Operations in Environmental Engineering, Edited by R. Noyes, Noyes Data Corp., Park Ridge, NJ, 1994, $76.00, 498pp., ISBN: 0-8155-1343-7

This book is a comprehensive compilation of traditional as well as emerging unit operations applied to wastewater and solid wastes. There are eight chapters covering a wide range of topics:
- Biological Technology
- Chemical Technology
- Containment and Barrier Technology
- Immobilization Technology
- Membrane Technology
- Physical Technology
- Radiation and Electrical Technology
- Thermal Destruction Technology

Appropriately, the book opens with the well-known unit operation of biological waste treatment. This chapter has 43 subsections ranging from the activated sludge process to bioremediation using white rot fungus. Biofiltration, a novel process (recently introduced in the United States), is covered.

I much appreciate information on suppliers of equipment for ultraviolet light oxidation systems. The sections I read on newer technologies such as rotating biological containers, air stripping and sequencing batch reactors were good — but not comprehensive. But, given the coverage of the book, they could not be. Limited, too, were references; 50 or so per chapter where each subchapter (there were 43 subchapters) could have had 50 references for each section — clearly impossible.

Thus I must conclude, the author has done a good job covering the field, but, being so brief, I wonder just how much use it will be to other than indroductory students.

GARY F. BENNETT