

## Book Reviews

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*Destruction and Disposal of PCBs by Thermal and Non-thermal Methods*, by D.G. Ackerman, L.L. Scinto, P.S. Bakshi, R.G. Deumyea, R.J. Johnson, G. Richard, A.M. Takata and E.M. Sworzyn, Noyes Data Corporation, Park Ridge, NJ, 1983, 417 pages, \$48.00.

Two reports prepared by TRW Inc. of Redondo Beach, CA for the US EPA were combined to make this book:

- (1) "Guidelines for the Disposal of PCBs and PCB Items by Thermal Destruction" (US EPA Report 600/2-81-022).
- (2) "Interim Guidelines for the Disposal/Destruction of PCB and PCB Items By Non-thermal Methods" (US EPA Report 600/2-82-069).

In the thermal destruction section, the authors discuss PCB destruction in incinerators and high efficiency boilers; included topics are: (1) sampling and analysis methodologies, (2) analytical methodologies, and (3) stack monitoring instrumentation.

Non-thermal destruction processes discussed include conventional biological processes, such as activated sludge and trickling filters, as well as physico-chemical processes: (1) adsorption, (2) catalytic dehydrochlorination, (3) chlorinolysis, (4) microwave plasma, (5) ozonization, (6) photolysis, (7) glycoloxidation, (8) wet air oxidation, and (9) two named commercial processes: Goodyear and Sohio.

Although Noyes Data Corporation wanted to publish, I am sure, the complete reports, they could have saved 50 pages by not reprinting the Federal Register, PCB Regulations. Not only could the reader access them fairly easily, but if he wanted to consult them, he would have to find the original, because the regular pages (8½" × 11") have been reduced to 5" × 8" in the book, making the already small and difficult to read print almost impossible to see.

GARY F. BENNETT

*Safety and Accident Prevention in Chemical Operations*, 2nd edn., by H.H. Fawcett and W.S. Wood, John Wiley and Sons, New York, NY, 1982, 910 pages, \$80.00.

With the assistance of 26 experts in accident prevention and safety in chemical operations, Fawcett and Wood have produced a second edition of this book that has 38 chapters, 5 appendices and an index.

It is a thoroughly up-to-date, well-written and comprehensive text covering a wide variety of topics from "Risk Analysis" to "RCRA." It is extremely well-referenced. Fawcett for example in the lead off chapter entitled "Chem-