The book ends with a short chapter on source reduction. Although not exhaustive, what was written makes a good introduction to a very important topic.

My only major criticism of the book is the lack of reference to other articles and books on this topic. Conversely, reference to government regulations is quite complete.

The book has an excellent (seven-page) detailed table of contents, eight appendices (audit forms, regulations, etc.), and a comprehensive index.

I recommend the book to those newly entering the hazardous wastes arena — which arena unfortunately reminds me of the Roman game when the slaves faced ferocious animals.

G. F. BENNETT

Hazards in the Chemical Laboratory, 5th edn., edited by S.G. Luxon, Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge CB4 4WF, United Kingdom or CRC Press, Inc., 2000 Corporate Blvd., N.W., Boca Raton, FL 33431, 1992, ISBN 0-85186-229-2, 675 pp., £45.00, or $99.95 + 7.50 delivery.

This is a revised, updated and expanded version of a volume which was first published in 1971. The fifth edition covers the latest regulations of the European Community and United Kingdom relating to chemical laboratories, and even includes a chapter on the American viewpoint. Legal aspects of laboratory work introduce the text, followed by safety planning and laboratory design. Fire protection receives an excellent treatment, while reactive chemical hazards, as reviewed by the previous editor, Leslie Bretherick, are given full attention. Chemical hazards and Toxicology, as well as control of health hazards, are noted in detail, as are; first aid treatments and procedures for chemical exposures. Radiation and also electrical hazards are assessed in terms of the laboratory.

Perhaps the most valuable part of the book is the quick guide to the hazardous properties of nearly 1400 substances, which, along with labeling requirements, give quick and authoritative references in an easy to read form. An index of CAS Registry Numbers is included.

This is a very practical volume, and should be available on a wide basis, in school, college, and industrial laboratories.

HOWARD H. FAWCETT

Hazardous Metals in the Environment (Techniques and Instrumentation in Analytical Chemistry, Vol. 12), edited by M. Stoeppler, Elsevier Science Publishers, Amsterdam, 1992, ISBN 0-444-89078-5, X + 542 pp., $225.50/Dfl 395.00.

The potential human and environmental impact of heavy metals has resulted in significant effort being expended in the study of their source, fate and