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Fig. 5 is at the end of the issue.

BOOK REVIEW

JAMESON, C. W., WALTERS, D. B.: *CHEMISTRY FOR TOXICITY TESTING*, — Butterworth Publishers, Boston — London — Sidney — Wellington — Durban — Toronto 1984. 231 pp. Hardcover £ 32.50.

¶ It is estimated that several thousand different chemicals are currently being used in various industrial and agricultural operations, and that hundreds of new chemicals are being introduced into use each year. In the past years, significant advances have been made in the development of methods to assess toxic hazard of these man-made and naturally occurring chemicals. This 18-chapter book, presenting state-of-the-art reports on analytical chemistry requirements for many aspects of *in vivo* toxicity studies, is arranged into four parts. The introductory part covers general chemistry considerations concerning toxicity studies. Included are chapters on analytical chemistry requirements for toxicity testing, structure-activity prediction of the carcinogenicity of chemicals and on problems of testing commercial-grade chemicals. Part II deals with the problem of dosage mixing and analysis in rodent feed, methods used in formulation of insoluble and immiscible test agents and in determination of the stability of chemical/vehicle mixtures. Airborne toxic agents, in both gaseous and particulate form, represent a serious hazard to humans. Part III focuses on generating and monitoring test atmospheres, e.g. of aerosols in inhalation chambers, of combustion products, degradation test products *etc.* The last part of the publications discusses the evaluation of chemistry data and management in toxicity testing programs. The chapters in this book are adapted presentations from a symposium: *Chemistry and Safety for Toxicity Testing of Environmental Chemicals*, Las Vegas, Nevada, 1982.

The publication will meet the needs of all those engaged in testing the toxic hazards of environmental chemicals.

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