

chemist working in solution chemistry.

The second chapter, by D.J. Curren, "Some Unusual End-Point Detection Methods Involving Heterogeneous Processes" (90 pages), presents pressuremetric, cryoscopic, phase transitions, and flame photometric titration techniques. The common bond between these four techniques is that each system has more than one phase present. The techniques and principles behind the operations involved in each subarea are quite diverse and are not related. The author has attempted to present the theoretical basis for each of the techniques, show ways in which it can be implemented, and review the applications that have been made. This varies greatly for the four techniques in that the phase titration has over 200 example systems that have been studied, whereas the flame photometric method has been used on only a few systems. The latter, however, has promise for being used extensively if phase separation procedures are employed.

As indicated in the preface of the book, this volume is devoted to developments which are likely to have a significant impact on titrimetry. The book is oriented toward the researcher and practicing analytical chemist. As might be expected, the two chapters are presented somewhat differently. Each chapter is outlined and referenced thoroughly, so as to be useful as a starting point for further studies and investigations. The book would be a worthwhile addition to any technical library.

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