

Progress in Analytical Luminescence

Eastwood/Cline Love, editors

STP 1009



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DeLyle Eastwood and L. J. Cline Love, editors



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Foreword

This symposium on Progress in Analytical Luminescence was presented at New York City, 21 October 1986. It was sponsored by ASTM Subcommittee E 13.06 on Molecular Luminescence. DeLyle Eastwood, Army Corps of Engineers, Omaha, Nebraska, and L. J. Cline Love, Seton Hall University, South Orange, New Jersey served as symposium chairmen and as the editors of this publication.

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Introduction

This special technical publication resulted from the ASTM-sponsored symposium on Progress in Analytical Luminescence held at the 1986 Eastern Analytical Symposium. This volume is the third in a series sponsored by ASTM Subcommittee E 13 on Molecular Luminescence together with earlier volumes, *New Directions in Molecular Luminescence* (STP 822, 1983) and *Advances in Luminescence Spectroscopy* (STP 863, 1985), intended to provide the latest advances in luminescence research to spectroscopists and analytical chemists. This volume covers a wide range of topics from chromatographic applications to analytical procedures of biochemical and medical interest to solution kinetics and the latest advances in instrumentation.

ASTM Subcommittee E 13.06 serves as a clearing-house and forum for discussing the latest research developments in fluorescence, phosphorescence, chemiluminescence and related topics. We also have a mission (which we hope to pursue more actively in the future) of formulating peer-accepted definitions, standard methods and practices and reference standards together with conducting interlaboratory round-robin testing where applicable. In connection with standard methods and practices, *Standards in Fluorescence Spectrometry* produced by the UV Spectrometry Group (ed. J. N. Miller) in the United Kingdom should also be referenced as well as ASTM sources.

The editors hope that this volume will prove to be a useful addition to the ASTM series giving the latest advances in analytical luminescence spectroscopy. In later volumes, it is hoped that other innovative areas of luminescence can be explored.

The editors wish to thank the technical reviewers and the staff at the ASTM for their assistance.

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