

Additions and Corrections

Photophysical Investigations of Chiral Recognition in Crown Ethers [*J. Am. Chem. Soc.*, **102**, 1760 (1980)]. By PIETRO TUNDO and JANOS H. FENDLER,* Department of Chemistry, Texas A&M University, College Station, Texas 77843.

Figures 2 and 3 with correct captions follow.

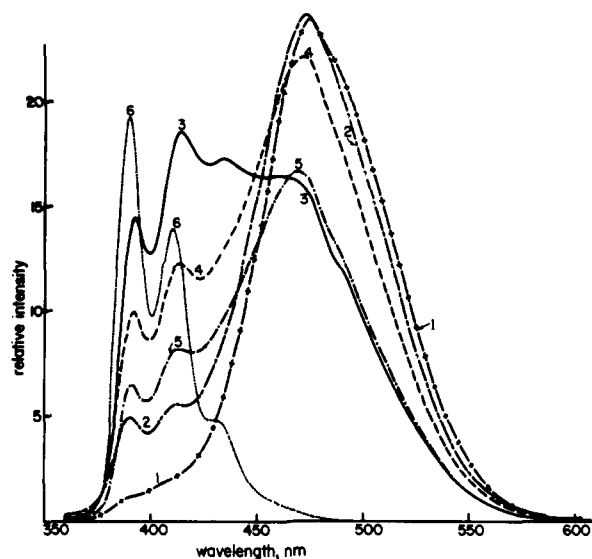


Figure 2. Emission spectra of 2.0×10^{-6} M L-crown-pyr in ethylene glycol (1, -X-X-), DMF (2, ---), THF (3, —), THF saturated by KCl (stirred overnight) (4, ---), THF containing 1.25×10^{-3} M $TbCl_3$ (5, ----). Emission spectra of 8.0×10^{-6} M PyNHAc in THF (6, ...) are also included for comparison. All spectra were taken at an excitation wavelength of 344 nm and at 25 °C.

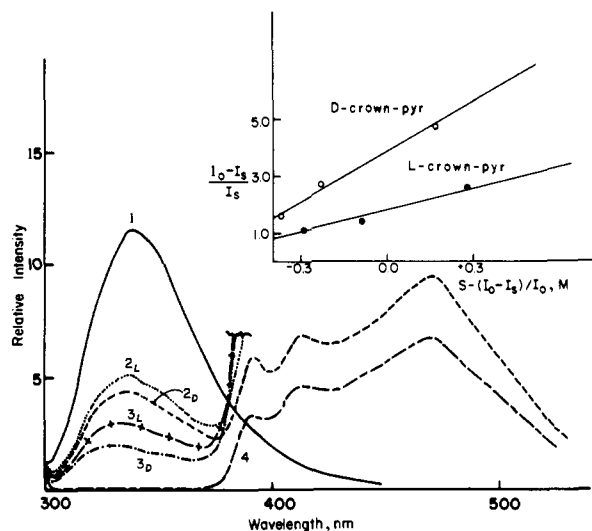


Figure 3. Emission spectra of 5.0×10^{-5} Gly-L-Trp in THF in the presence of 0 (1), 1.25×10^{-5} M D-crown-pyr (2_D), 1.25×10^{-5} M L-crown-pyr (2_L), 5.0×10^{-5} M D-crown-pyr (3_D), 5.0×10^{-5} M L-crown-pyr (3_L). For comparison, the emission spectrum of 1.25×10^5 M L-crown-pyr is also given in THF (4). Insert shows plots of quenching data according to equation given in note 21. All spectra were obtained at excitation wavelength of 290 nm.

Book Reviews

Developments in PVC Production and Processing. Edited by A. WHELAN and J. L. CRAFT. Applied Science Publishers, Barking, Essex. 1977. x + 231 pp. \$26.00.

Poly(vinyl chloride) is claimed to be the most versatile known thermoplastic material, and, indeed, it seems to pervade all levels of technological societies. Over eight million tons of it was used in 1976. These facts certainly justify a book such as this, in which recent developments are reviewed by a group of industrial chemists from the United Kingdom. There are ten contributed chapters, covering manufacture, compounding, additives, toxicity, and various aspects of use. There are substantial bibliographies, in which the patent literature is emphasized, and a good subject index.

Preparation of Catalysts. II. Edited by B. DELMON, P. GRANGE, P. JACOBS, and G. PONCELET. Elsevier Scientific Publishing Co., Amsterdam and New York. 1979. xiii + 762 pp. \$96.50.

This volume is the Proceedings of the Second International Symposium on the scientific bases for the preparation of heterogeneous catalysts, held in Belgium in 1978. It contains the texts of 48 papers, plus concluding remarks and an author index. Catalysts of a wide variety of types and purposes are discussed in papers that for the most part are accounts of original research with some experimental detail. The papers are reproduced directly from the authors' typescripts, and therefore display marked variation in typeface and density. Although the contributors represent a wide range of nations, all papers are in English. The last seven papers constitute a "Minisymposium on Catalyst Normalization".

* Unsigned book reviews are by the Book Review Editor.

Printing Inks. Developments Since 1975. By J. I. DRUFFY. Noyes Data Corp., Park Ridge, N.J. 1979. xii + 335 pp. \$42.00.

This book is part of a publishing program to collate the information in United States patents according to subject. They contain detailed descriptive information, including experimental details extracted from the patents, and how much is paraphrased, but the result is readable and informative. Although there is no index, the table of contents is very detailed and is adequate for ordinary access purposes.

In this volume, the patents are arranged in seven groups, such as "Textile Printing", "Pigments and Dyestuffs", etc. The patent literature is covered into, and perhaps through, 1978.

Plating of Plastics. Recent Developments. By F. A. DOMINO. Noyes Data Corp., Park Ridge, N.J. 1979. xi + 384 pp. \$39.00.

See the foregoing review of "Printing Inks". This volume surveys U.S. patents "issued since August, 1973". The subject is the industrially important process of applying metal coatings to plastics and involves not only electrochemistry, but photolytic and reductive methods. There is much information on preparation of surfaces as well.

Microcapsules and Other Capsules. Advances Since 1975. By M. H. GUTCHO. Noyes Data Corp., Park Ridge, N.J. 1979. xi + 340 pp. \$40.00.

See the foregoing review of "Printing Inks". This volume surveys U.S. patents "issued since February, 1976". The subject is important not only in the field of pharmaceuticals, but in pressure-sensitive copying systems, laundry products, agricultural chemicals, etc., etc. There is much information bearing on applied polymer chemistry and surface chemistry.