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**Supplementary Material Available:** Detailed spectral and analytical data, and copies of the original spectra ( $^1\text{H}$  and  $^2\text{H}$  NMR) for the mixture **18/19** in the labeled and unlabeled series (8 pages). Ordering information is given on any current masthead page.

## Additions and Corrections

**Triplet Exciplex Formation in the External Heavy-Atom Effect** [*J. Am. Chem. Soc.* **1982**, *104*, 1107]. MARIA C. TAMARGO and DWAIN O. COWAN\*

The correct order of magnitude for all the entries in Table I: Summary of the First Order Decay Data should be  $10^2$  rather than  $10^3$ , as shown. The text and the figure contain the correct numbers.

**Structures and Stabilities of  $\alpha$ -Hetero-Substituted Organolithium and Organosodium Compounds. Energetic Unimportance of Second Row d-Orbital Effects** [*J. Am. Chem. Soc.* **1984**, *106*, 6467–6475]. PAUL VON RAGUÉ SCHLEYER,\* TIMOTHY CLARK, ALEXANDER J. KOS, GÜNTHER W. SPITZNAGEL, CORNELIA ROHDE, DORIT ARAD, K. N. HOUK,\* and NELSON G. RONDAN

The stabilization energy for  $X = \text{PH}_2$  in Table II at 3-21+-G//3-21+G (third column) should be -19.9 instead of +15.9 kcal/mol.

In addition we neglected to mention that Professor F. Bernardi had informed us of his agreement with our conclusions (p 6474) that energetic effects of second-row substituents on the stabilization of carbanions is insignificant.

**Chain-Folding Initiation Structures in Ribonuclease A: Conformational Analysis of *trans*-Ac-Asn-Pro-Tyr-NHMe and *trans*-Ac-Tyr-Pro-Asn-NHMe in Water and in the Solid State** [*J. Am. Chem. Soc.* **1984**, *106*, 7946]. G. T. MONTELIONE, E. ARNOLD, Y. C. MEINWALD, E. R. STIMSON, J. B. DENTON, S.-G. HUANG, J. CLARDY, and H. A. SCHERAGA\*

Page 7954: Footnote *b* of Table IV should read:  $k_{\text{ex}}$  is given by eq 1 and  $T_{1,\text{mag}}$  by eq 4.  $k_{\text{ex}}$  is in  $\text{s}^{-1}$  and  $T_{1,\text{mag}}$  is in s.

**Chain-Folding Initiation Structures in Ribonuclease A: Conformational Free Energy Calculations on Ac-Asn-Pro-Tyr-NHMe, Ac-Tyr-Pro-Asn-NHMe, and Related Peptides** [*J. Am. Chem. Soc.* **1984**, *106*, 7959]. M. OKA, G. T. MONTELIONE, and H. A. SCHERAGA\*

Page 7968: The first line of the legend of Figure 5 should read: Minimum-energy conformations of Ac-Tyr-Pro-Ala-NHMe. (A)

## Book Reviews

**Dairy Chemistry and Physics.** By Pieter Walstra (Agricultural University, Wageningen) and Robert Jenness (University of Minnesota). John Wiley & Sons, Inc.: New York. 1984. xviii + 467 pp. \$59.95.

The authors have succeeded uncommonly well in producing "a reasonably complete and integrated picture of the chemistry and physics of milk". The book includes the usual chapters on composition of milk and the chemistry of milk carbohydrates, lipids, and proteins that one expects in a dairy chemistry text. But there are also chapters on milk secretion, the effect of heating on milk, physical properties of milk, colloidal and surface phenomena, interaction of milk with air bubbles, rheological properties, and properties of concentrated milk. H. T. Badings has contributed a chapter on flavors and off-flavors of milk. The book is not a comprehensive review but refers to key papers and reviews of various subjects at the end of each chapter. The chemistry and physics of dairy products other than milk are not treated directly.

The text is clear, the organization is well conceived, and the depth of treatment of each topic is consistent and appropriate for a college-level text. It will also be a very useful reference to those involved in the chemistry of milk and dairy products.

Earl G. Hammond, Iowa State University

**Handbook of Chemical Microscopy. Volume One. Fourth Edition.** By Clyde W. Mason (Cornell University). Wiley-Interscience Publishers: New York. 1983. XV + 505 pp. \$75.00.

For those not familiar with the Third Edition, the Fourth Edition contains the following chapters. Chapters One and Two discuss the optical system of the microscope and the use of the microscope in the chemical laboratory. Chapters Three and Four describe the illumination of transparent and opaque objects. Chapter Five describes methods of preparing materials for microscopic study. Chapter Six discusses special methods for interpreting physical properties. Chapters Seven, Eight, and Nine deal with the topics ultramicroscopy, photomicrography, and electronmicroscopy. Chapters Ten and Eleven describe the study of

isotropic and anisotropic materials and the determination of the refractive indices of solids and liquids with use of the polarized light microscope. Chapter Twelve describes the optical properties of aggregates and crystals, Chapter Thirteen the preparation of crystals for study, Chapter Fourteen microscopic measurements, Chapter Fifteen particle size determinations, and Chapter Sixteen the quantitative analysis of heterogeneous mixtures. The new chapter, Chapter Seventeen, contains a brief summary of microscopic qualitative chemical analysis.

The Michel-Levy Color Chart included with the Fourth Edition is a color photograph representation and for the most part is an improvement over that found in the Third Edition. The reader should note that in the fourth order of this chart (the far right hand side of the chart), the color representation does not appear to be true.

In summary then, if you are an experienced microscopist who perhaps owns prior editions of Chemical Microscopy and wants to add to his or her library collection, this volume will not represent a significant addition. If, on the other hand, you are a beginner, a student who wants a solid, for the most part well written, tid-bit crammed but dated guide to chemical microscopy, then you will want the Fourth Edition of the classic!

W. W. McGee, University of Central Florida

**Polymer Monographs. Volume 8. Poly(tetrahydrofuran).** By P. Dreyfuss (The University of Akron). Series edited by M. B. Huglin (University of Salford). Gordon and Breach Science Publishers: New York. 1982. xiii + 306 pp. \$59.50.

This is the eighth volume of the series of short "Polymer Monographs" each dealing with one specific polymer. These monographs, according to the editor's statement "cover equally basic scientific information on a polymer and information pertinent to its practical utilization". The following volumes have been published: "Poly(1-butene)", "Polypropylene", "Poly(vinyl chloride)", "Poly(vinyl alcohol)", "Poly(vinylidene chloride)", "Poly(*N*-vinyl carbazole)", "Heparin (and related polysaccharides)", and "Polytetrahydrofuran (PolyTHF)".