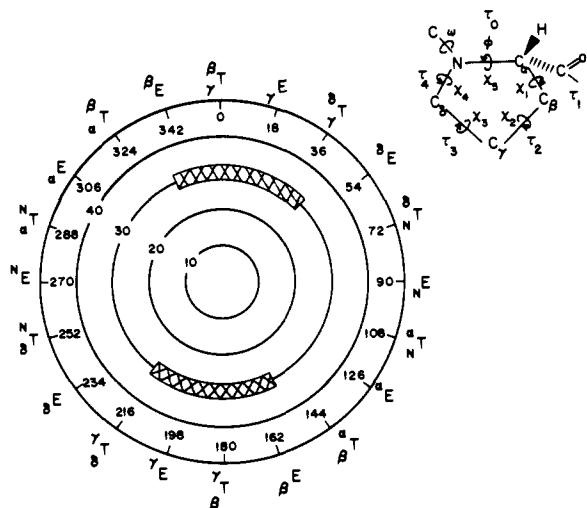


## Additions and Corrections

**A Method for the Analysis of Puckering Disorder in Five-Membered Rings: The Relative Mobilities of Furanose and Proline Rings and Their Effects on Polynucleotide and Polypeptide Backbone Flexibility** [*J. Am. Chem. Soc.* **1983**, *105*, 970–976]. E. WESTHOFF and M. SUNDARALINGAM\*

Page 971: In Figure 1b of this paper, the nomenclature depicting the various puckered states has been inadvertently inverted and should be shifted around the pseudorotation circle by half a turn such that for  $P = 0^\circ$  the pucker is  $\beta_T$  and for  $P = 180^\circ$   $\beta_T$ , as defined in ref 17. The corrected part b of figure is shown below. Thus, in p 973, the notations for the prolyl ring pucker for L-leucyl-L-prolylglycine should be inverted.



**Nonlinear Fluorescence Quenching and the Origin of Positive Curvature in Stern–Volmer Plots** [*J. Am. Chem. Soc.* **1983**, *105*, 1494]. JOEL KEIZER

Equation 8 involves a factor of two error which also invalidates eq 15 and 16. The correct equations are

$$g_{A^*Q}(r) = 1 - \frac{k^{\text{obsd}}/N'}{4\pi D'r} \left[ \frac{(\alpha - 2\beta)}{2(\alpha - \beta)} \exp(-r\beta^{1/2}) + \frac{\alpha}{2(\alpha - \beta)} \exp(-r\alpha^{1/2}) \right] \quad (8)$$

$$k^{\text{obsd}} = 4\pi D'RC(R) \quad (15)$$

$$C(R) = \left[ \frac{D_Q - D_{A^*}}{2D_Q} \exp(-R\beta^{1/2}) + \frac{D'}{2D_Q} \exp(-R\alpha^{1/2}) \right]^{-1} \quad (16)$$

$\alpha = (\tau_0^{-1} + k^{\text{obsd}}[Q])/D_{A^*}$ ,  $\beta = (\tau_0^{-1} + k^{\text{obsd}}[Q])/D'$ . This changes the comparison with experiment slightly. Agreement with the Stern–Volmer plots as good as that in Figures 1 and 2 is obtained by using the following parameters: quinine\*/I<sup>-</sup> ( $D_{A^*} = 4 \times 10^{-6} \text{ cm}^2 \text{ s}^{-1}$ ,  $D_Q = 1.2 \times 10^{-5} \text{ cm}^2 \text{ s}^{-1}$ ,  $R = 5.5 \text{ \AA}$ ,  $\tau_0 = 19 \text{ ns}$ ); perylene\*/O<sub>2</sub> ( $D_{A^*} = 9 \times 10^{-6} \text{ cm}^2 \text{ s}^{-1}$ ,  $D_Q = 4 \times 10^{-5} \text{ cm}^2 \text{ s}^{-1}$ ,  $R = 3.2 \text{ \AA}$ ,  $\tau_0 = 5.4 \text{ ns}$ ); 9-vinylanthracene\*/O<sub>2</sub> ( $D_{A^*} = 7 \times 10^{-6} \text{ cm}^2 \text{ s}^{-1}$ ,  $D_Q = 4 \times 10^{-5} \text{ cm}^2 \text{ s}^{-1}$ ,  $R = 3.6 \text{ \AA}$ ,  $\tau_0 = 11 \text{ ns}$ ); tryptophan\*/O<sub>2</sub> ( $D_{A^*} = 7 \times 10^{-6} \text{ cm}^2 \text{ s}^{-1}$ ,  $D_Q = 2.6 \times 10^{-5} \text{ cm}^2 \text{ s}^{-1}$ ,  $R = 2.7 \text{ \AA}$ ,  $\tau_0 = 2.7 \text{ ns}$ ). The tryptophan\*/O<sub>2</sub> quenching fits perfectly with the assumption of diffusion control. The uranine\*/aniline quenching data (Figure 2) no longer can be fit by eq 15, suggesting that static quenching may be important.

**Cluster Synthesis. 6. The Unusual Structures, Bonding, and Reactivity of Some Sulfido-Bridged Tungsten–Osmium Carbonyl Cluster Compounds** [*J. Am. Chem. Soc.* **1984**, *106*, 6296]. RICHARD D. ADAMS,\* ISTVAN T. HORVATH, and PRADEEP MATHUR

Page 6303: Table IX in the text is incorrect in its entirety. These were the fractional atomic coordinates for a very similar but different molecule. Table 21 in the Supplementary Material is also incorrect. The corrected versions of these tables are available in the Supplementary Material.

Page 6298: In Table II of the text, the formula for compound 5 should be Os<sub>3</sub>W<sub>2</sub>S<sub>2</sub>P<sub>2</sub>O<sub>14</sub>C<sub>30</sub>H<sub>22</sub> rather than Os<sub>3</sub>W<sub>2</sub>S<sub>2</sub>P<sub>2</sub>O<sub>15</sub>-C<sub>31</sub>H<sub>22</sub>.

**Supplementary Material Available:** Corrected Table IX in the text and Table 21 in the supplementary material (2 pages). Ordering information is given on any current masthead page.

**Determination of Adsorption Conformation from Surface Resolution Analysis** [*J. Am. Chem. Soc.* **1985**, *107*, 3368]. D. FARIN, A. VOLPERT, and D. AVNIR\*

Page 3369: The short axis ( $s$ ) in Table II was mistakenly taken as radius instead of diameter. Consequently, the column "short axis" should be multiplied by 2 and the column "1/ $s$ " divided by 2. This correction does not affect the other data (Table I and the figures) and does not alter the results and the conclusions.