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Corrections

In the calibration data for the paper, "Enthalpies of Formation and Calculated Detonation Properties of Some Thermally Stable Explosives," by Prince E. Rouse, Jr. (*J. Chem. Eng. Data*, **21**, 16 (1976)), systematic deviations, which were ignored in the calculation of the constants, A and B, suggest the possibility that the oxygen used in the combustions contained varying amounts of reactive impurities. This hypothesis is strengthened by the fact that the variances of groups of values of the quantity $\Delta t/(\Delta E_{BA} \cdot wt_{BA} + \Delta E_a + \Delta E_w - \Delta E_c)$ measured for a given sample size were significantly different at widely spaced times in the course of the measurements and, for groups of measurements made in close succession, varied with the size of the samples, being smallest for the largest samples.

Since the reaction of an explosive with an unknown reactive gas could produce a heat effect significantly different from that produced by reaction with oxygen, the accuracies of the reported enthalpies of formation were vitiated to unknown extents.

For the paper, "A Simple Formula for the Heat Capacity of Polyatomic Gases, with Constants for 143 Substances", by Philip A. Thompson (*J. Chem. Eng. Data*, **22**, (1977)), eq 10 and 20 should be corrected as follows:

$$\frac{\delta \hat{c}_v}{\hat{c}_v} = \frac{c_\omega - c_\alpha}{c_\omega x^2 + c_\alpha} \frac{2x^2}{1 + x^2} \left[\frac{\delta B}{B} - \frac{B\tau}{x} \frac{\delta \tau}{\tau} \right] \tag{10}$$

$$\frac{S^*}{R} = \frac{(c_\alpha + 1) + (c_\omega + 1)(B\tau)^2}{1 + (B\tau)^2} \ln (x + B\tau) + \frac{c_\omega - c_\alpha}{1 + (B\tau)^2} \left[\frac{1}{2} \ln (x^2 + 1) - B\tau \tan^{-1} x \right] \tag{20}$$