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Erratum: Force Constants and Normal Vibrations of the Propargyl Halides

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presented in my paper will serve as a useful supplement to the paper of Dobryakov.

[1] R. H. Silsbee, J. Chem. Phys. **45**, 1710 (1966).
[2] S. N. Dobryakov, Zh. Strukt. Khim. **6**, 39 (1965) [English transl.: J. Struct. Chem. (USSR) **6**, 30 (1965)].

Errata

Erratum: Force Constants and Normal Vibrations of the Propargyl Halides

[J. Chem. Phys. **41**, 456 (1964)]

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THE value of the force constant F_{HX} for propargyl fluoride in Table III, p. 459, should read 1.052 mdyn/Å instead of 1.52 as erroneously reported. This is only a typographical error and does not affect the calculations and the content of the paper.

Erratum: Flash Photolysis of H_2O_2 Vapor in the Presence of D_2, Ar, and $H_2{}^{18}O$

[J. Chem. Phys. **45**, 99 (1966)]

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CONTINUED work on the H_2O_2–Ar system at room temperature has shown that $k_e = k_{10} = 5.2 \times 10^{11}$ cc mole^{-1}·sec^{-1} $= 8.5 \times 10^{-13}$ cc molecule^{-1}·sec^{-1}, rather than 5.8×10^{-14} cc molecule^{-1}·sec^{-1} as reported in this paper. It is believed that something introduced into the cell during repairs caused the rapid dark decomposition of H_2O_2 resulting in a low observed OH disappearance rate. All the other experiments reported were done before the repairs when the dark decomposition was known to be insignificant.

Erratum: Nuclear Quadrupole Resonance of Antimony Tribromide and Its Molecular Complexes

[J. Chem. Phys. **45**, 1076 (1966)]

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THE chemical formulas of the complexes and the lowest resonance frequency of antimony tribromide (2) in Table I should be corrected as follows:

$2SbBr_3 \cdot C_6H_6$, $2SbBr_3 \cdot C_{14}H_{10}$, and 135. 112 Mc/sec

instead of

$SbBr_3 \cdot C_6H_6$, $SbBr_3 \cdot C_{14}H_{10}$, and 133. 112 Mc/sec.

Three resonance frequencies of antimony tribromide (2) are not completely consistent with those of the form I by Ogawa,[1] indicating that the former crystal structure is slightly different from the latter. Therefore, there should be at least four forms in the crystal of antimony tribromide at a given temperature between room and liquid-nitrogen temperatures.

[1] S. Ogawa, J. Phys. Soc. Japan **13**, 618 (1958).