For the Type-E'' vibration:

$$G_{10,10} = u_{y} \{ (d/r) + \csc^{2}\beta [(r/d)^{\frac{1}{2}} - (d/r)^{\frac{1}{2}} \cos\beta]^{2} \} + (r/d) u_{z} \csc^{2}\beta.$$

For the E' vibrations (diagonal blocks):

$$G_{79} = -(r/d)^{\frac{3}{2}} u_y \sin\beta,$$

$$G_{99} = \frac{3}{2} (d/r) u_x + [(r/d) + (d/r) - 2\cos\beta] u_y + (r/d) u_z$$

In addition to the previously reported G-matrix elements in the doubly degenerate E' species which form the usual symmetric blocks, the G matrix also contains elements in the off-diagonal blocks, which are skew symmetric, i.e., $G_{iajb} = -G_{jaib} = G_{jbia} = -G_{ibja}$, and $G_{iaib} = G_{ibia} = 0.$

The elements in these off-diagonal blocks of the E'species are

$$G_{6a7b} = G_{7b6a} = 0$$
,

 $G_{6a8b} = G_{8b6a} = -3^{\frac{1}{2}} \mu_{\nu} \sin\beta$

 $G_{6a9b} = G_{9b6a} = 0$,

$$G_{7a8b} = G_{8b7a} = 0$$
,

 $G_{7a9b} = G_{9b7a} = -\frac{3}{2}(d/r)^{\frac{1}{2}}\mu_x$

 $G_{8a9b} = G_{9b8a} = -\frac{3}{2}(3d/r)^{\frac{1}{2}}\mu_x + 3^{\frac{1}{2}}u_n \lceil (r/d)^{\frac{1}{2}}\cos\beta - (d/r)^{\frac{1}{2}}\rceil$

The authors have produced complex symmetry coordinates from the character table of C_{3h} which transform in the required manner and yield a G-matrix which diagonalizes properly. These complex symmetry coordinates are related to the real coordinates chosen by Pistorius through unitary transformations.

The new G-matrix is Hermitian rather than symmetrical, and the blocks belonging to the a and b coordinates of species E' are conjugate to each other. A complete study of the boric acid molecule using these complex symmetry coordinates and their relation to the real symmetry coordinates and G-matrix elements reported above is underway.

* Fulbright-Hays Research Scholar, Norway, 1964-1965. On leave from the Chemical and Metallurgical Division, Sylvania Electric Products, Inc., Towanda, Pennsylvania.

¹ C. W. F. T. Pistorius, J. Chem. Phys. 31, 1454 (1959).
 ² E. B. Wilson, Jr , J. Chem. Phys. 7, 1041 (1939); 9, 76 (1941).

Errata

Erratum: X-Ray Study of Critical Opalescence of Polystyrene in Cyclohexane

[J. Chem. Phys. 42, 426 (1965)]

В. Сни

Chemistry Department, The University of Kansas, Lawrence, Kansas

THE S105 polystyrene sample from the Dow Chemical **L** Company has $\bar{M}_n = 147\ 000$ instead of $\bar{M}_n = 14\ 700$.

The system β , β' -dichloroethyl ether and normal decane near the critical mixing point $(T-T_c>0.04^\circ)$ show good agreement with the predictions of the Debve theory (p. 426).

Curve III, as shown in Fig. 1, is a composite curve obtained from measurements with two different sets of entrance and counter slitwidths (p. 428).

Erratum: Electron Spin Resonance of **Trapped Electrons in Irradiated Sodium** Nitroprusside

[]. Chem. Phys. 41, 3651 (1964)]

J. DANON, R. P. A. MUNIZ, AND H. PANEPPUCI

THE deviation of linearity mentioned in the last line of the fourth paragraph of p. 3652 refers to the Fe I-NO bond and not to Fe II-NO.

Erratum: Discontinuous Change of Binding Type in the Series of Monohydrides. **II.** Place of Discontinuity

[J. Chem. Phys. 41, 4005 (1964)] KASIMIR FAJANS Department of Chemistry, University of Michigan Ann Arbor, Michigan

NHE formula at the end of the first paragraph should L read $(H^+, X^{n+})\bar{e}_{n+1}$.

The last name in Ref. 4 should be Yoshimine.

Announcement

THE Division of Chemical Physics of the American L Physical Society, in accordance with its Bylaws, hereby announces the result of the election of new officers: for Vice-Chairman, E. B. Wilson; for Member of the Executive Committee, F. T. Wall.

The complete new list of officers is as follows:

Chairman:	M. Karplus
Vice-Chairman:	E. B. Wilson
Secretary-Treasurer:	K. W. Hedberg
Executive Committee:	B. Weinstock (to 1966)
	F. A. Matsen (to 1967)
	F. T. Wall (to 1968)
	C. A. Hutchison (ex officio)

K. W. HEDBERG Secretary-Treasurer Division of Chemical Physics