values of plane displacement, and zero value of Cu concentration except for $r=0$. These results are, however, regarded as being due to his trial and error method assuming $m_{0}=100 \%, m_{r}=0(r \geq 1)$ and $\varepsilon_{1}=$ $0.20 \AA$.

In Toman's result the intensity distribution, including that in the small-angle region, is explained by the arrangement of the Cu atoms rather than by the lattice deformations, $\varepsilon_{r}$ 's being assumed as small quantities; on the other hand, in Gerold's treatment the explanation of the intensity distribution is given in terms of the lattice deformation, the distribution of Cu atoms in the zone being highly simplified in his initial assumptions.

As the model here obtained with the aid of the intensity distribution modulated by the function $\left\{K\left(s-s_{(200)}\right)\right\}^{2}$, is based on less restrictive assumptions than those of the previous treatments, it is seen that the intensity distribution, so far as the neighbourhood of (200) is concerned, is most reasonably explained in terms of our structure model.

The same procedure may be applied to the intensity distribution near the relpoints (400), (600), ..., etc., when the observation is extended sufficiently, and it should give the same result as the present one, so long as $m_{r}$ and $\varepsilon_{r}$ suffice to describe the $r$ th atomic plane in the zone. If this is not the case, the structure
model of the G.-P. zone should be further refined by introducing some new parameters so that a consistent model may be obtained for different regions of reciprocal space.

It is worth noting that our results as represented by curves (I) in Figs. 3(a) and (b) are both found to be the intermediate of Toman's and Gerold's results. The zone structure as represented in our results is much more two-dimensional than expected from Toman's results, while Gerold's one corresponds to a purely two-dimensional structure.

The author is grateful to Dr R. Sadanaga for his valuable discussions.

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## Short Communications

Contributions intended for pubiication under this heading should be expressly so marked; they should not exceed about 500 words; they should be forwarded in the usual way to the appropriate Co-editor; they will be published as speedily as possible; and proofs will not generally be submitted to authors. Publication will be quicker if the contributions are without illustrations.

## International Tables for X-ray Crystallography. Errata

## Volume II. Errata

p. 46 Last sentence: for the last two cases read cases (c) and (d)
p. 186 The diagram is inverted: correction needed in the legend: for bottom read top
|| pp. 418-429 Table 8.5 D. For Change sign (heading on right side of each page) read
Change sign for $h=4 n+2$; sign as given for $h=4 n$
Volume I. Additional Errata
p. 20 4th line from bottom: $R_{\text {obs }}$ should be $R_{\text {obv }}$
p. 52 8th line from bottom: Zeit.f. Kryst. should be Z. Kristallogr. (elsewhere Zeit. f. Krist. and Zeits. Krist. would be better written as Z. Kristallogr.)
p. 275 Symmetry diagram. Add 2 sets of horizontal screw axes at $z=\frac{1}{12}, \frac{5}{12}$ respectively, passing respectively through
$\left(\frac{1}{6}, \frac{1}{3}, \frac{1}{12} ; \frac{1}{6}, \frac{5}{6}, \frac{1}{12}\right)\left(\frac{1}{6}, \frac{1}{3}, \frac{1}{12} ; \frac{2}{3}, \frac{5}{6}, \frac{1}{12}\right)\left(\frac{1}{6}, \frac{5}{6}, \frac{1}{12} ; \frac{2}{3}, \frac{5}{6}, \frac{1}{12}\right)$ and

$$
\left(\frac{1}{3}, \frac{1}{6}, \frac{5}{12} ; \frac{5}{6}, \frac{2}{3}, \frac{5}{12}\right)\left(\frac{1}{3}, \frac{1}{6}, \frac{5}{12} ; \frac{5}{6}, \frac{1}{6}, \frac{5}{12}\right)\left(\frac{5}{6}, \frac{1}{6}, \frac{5}{12} ; \frac{5}{6}, \frac{2}{3}, \frac{5}{12}\right)
$$

p. 346 3rd line from bottom: 4.4.2 should be 4.4.3
$p .423$ In space group $I 4_{1} / a$, the second set of structure factor formulae should refer to $h+k+l=2 n$ and not, as given, to $h+k+l=n$
p. 428 In space group no. 94, $|(F h k l)|$ should be $|F(h k l)|$
p. 542 4th reference: Ibid. should read Z. Kristallogr.

All these corrections are relatively minor except the one affecting the twelve pages 418-429 of Volume II. This correction should be inserted at once on each page. The Kynoch Press is printing gummed labels for this purpose, which will be sent to all purchasers as soon as possible.

## K. Lonsdale <br> General Editor

