Acta Cryst. (1973). B**29**, 923

Lattice parameters and space groups of 2,4,dinitrodiphenylamine and 2,4,6-trinitrodiphenylamine.

By V. Divjaković, B. Ribár, D. Petrović and R. Halasi, *Faculty of Science, Novi Sad, Yugoslavia*

(*Received* 18 *December* 1972; *accepted* 18 *December* 1972)

The unit cell of 2,4-dinitrodiphenylamine has $a=3{\cdot}92$ (1), $b=27{\cdot}10$ (7), $c=11{\cdot}10$ (3) Å; space group *Pmmn*. The unit cell of 2,4,6-trinitrodiphenylamine has $a=11{\cdot}431$ (2), $b=7{\cdot}674$ (1), $c=16{\cdot}325$ (4) Å, $\beta=115{\cdot}72$ (2)°; space group $P2_1/c$.

The lattice parameters and space groups were determined from rotation and Weissenberg photographs calibrated with Ge or Si powder lines (λ Cu $K\alpha=1{\cdot}5418$ Å). Densities were obtained by flotation; the results are summarized in Table 1. A detailed structural investigation of 2,4,6-trinitrodiphenylamine is in progress, but we do not intend to proceed with the crystal structure determination of 2,4-dinitrodiphenylamine.

We thank the Education Community of Province Vojvodina for financial support.

Table 1. *Crystallographic data*

	2,4-Dinitrodiphenylamine	2,4,6-Trinitrodiphenylamine
	$C_{12}H_9N_3O_4$	$C_{12}H_8N_4O_6$
Space group	*Pmmm* (D_{2h}^{13})	$P2_1/c$ (C_{2h}^5)
Cell dimensions (Å)	$a=3{\cdot}92$ (1) $b=27{\cdot}10$ (7) $c=11{\cdot}10$ (3)	$a=11{\cdot}431$ (2) $b=7{\cdot}674$ (1) $c=16{\cdot}325$ (4) $\beta=115{\cdot}72$ (2)°
Observed and calculated densities (g cm^{-3})	$D_o=1{\cdot}48$ $D_x=1{\cdot}47$	$D_o=1{\cdot}62$ $D_x=1{\cdot}566$
Z	4	4

Acta Cryst. (1973). B**29**, 923

Corrigendum. The crystal structure of [2,2] metaparacyclophane-1,9-diene.

By A. W. Hanson, *Division of Biological Sciences, National Research Council of Canada, Ottawa, Canada. K1A 0R6.*

(*Received* 27 *November* 1972; *accepted* 11 *December* 1972)

The coordinate previously given for C(9) [Hanson (1971). *Acta Cryst.* B**27**, 197–202] should be 0·3724.

An error has been discovered in Table 1 of the original paper (Hanson, 1971). The y coordinate of C(9) should be 0·3724. This is an error of transcription only, with no further implications. The author is grateful to Dr Angelo Gavezzotti for bringing this matter to his attention.

Reference

Hanson, A. W. (1971). *Acta Cryst.* B**27**, 197–202.