

We thank Dr Olga Kennard FRS for her interest and encouragement of this work.

References

- ALLEN, F. H., DAVIES, J. E., GALLOY, J. J., JOHNSON, O., KENNARD, O., MACRAE, C. F., MITCHELL, E. M., MITCHELL, G. F., SMITH, J. M. & WATSON, D. G. (1991). *J. Chem. Inf. Comput. Sci.* **31**, 187–204.
- ALLEN, F. H., DOYLE, M. J. & AUF DER HEYDE, T. P. E. (1991). *Acta Cryst.* **B47**, 412–424.
- ALLEN, F. H., DOYLE, M. J. & TAYLOR, R. (1991a). *Acta Cryst.* **B47**, 41–49.
- ALLEN, F. H., DOYLE, M. J. & TAYLOR, R. (1991b). *Acta Cryst.* **B47**, 50–61.
- ALLEN, F. H., HOWARD, J. A. K. & PITCHFORD, N. A. (1993). *Acta Cryst.* **B49**, 910–928.
- ALLEN, F. H., HOWARD, J. A. K., PITCHFORD, N. A. & VINTER, J. G. (1994). *Acta Cryst.* **B50**, 382–395.
- ALLEN, F. H. & TAYLOR, R. (1991). *Acta Cryst.* **B47**, 404–412.
- ALLINGER, N. L. & SPRAGUE, J. T. (1972). *J. Am. Chem. Soc.* **94**, 5734–5747.
- AVIRAH, T. K., MOLLOY, T. B. JR & COOK, R. L. (1979). *J. Chem. Phys.* **71**, 2194–2201.
- Biosym Technologies (1993). INSIGHT. Biosym Technologies, 9685 Scranton Road, San Diego, California, USA.
- BOCIAN, D. F., PICKETT, H. M., ROUNDS, T. C. & STRAUSS, H. L. (1975). *J. Am. Chem. Soc.* **97**, 687–695.
- BÜRGI, H.-B. & DUNITZ, J. D. (1988). *Acta Cryst.* **B44**, 445–448.
- BURKERT, R. & ALLINGER, N. L. (1982). *Molecular Mechanics*. American Chemical Society Monograph, No. 148. Washington, DC: American Chemical Society.
- BUTCHER, S. S. (1965). *J. Chem. Phys.* **42**, 1833–1836.
- Cambridge Structural Database (1992). *CSD User's Manual*. Cambridge Crystallographic Data Centre, 12 Union Road, Cambridge, England.
- CHIANG, J. F. & BAUER, S. H. (1966). *J. Am. Chem. Soc.* **88**, 420–425.
- COURTOIS, A., PROTAS, J., FIXARI, B. & BRUNET, J. J. (1975). *Acta Cryst.* **B31**, 2064–2069.
- CREMER, D. & POPEL, J. A. (1975). *J. Am. Chem. Soc.* **97**, 1354–1358.
- CREWS, P. (1971). *Chem. Commun.* pp. 583–584.
- ELIEL, E. L., ALLINGER, N. L., MORRISON, G. A. & ANGYAL, S. J. (1965). *Conformational Analysis*. New York: Wiley-Interscience.
- ERMER, O. & LIFSON, S. (1973). *J. Am. Chem. Soc.* **95**, 4121–4132.
- FAVINI, G., MAGGI, A. & TODESCHINI, R. (1983). *J. Mol. Struct.* **105**, 17–29.
- HAGEN, K. & TRAETTEBERG, M. (1972). *Acta Chem. Scand.* **26**, 3643–3648.
- HASHMI, S., POLBORN, K. & SZEMIES, G. (1989). *Chem. Ber.* **122**, 2399–2401.
- HENDRICKSON, J. B. (1967). *J. Am. Chem. Soc.* **89**, 7047–7054.
- IRNGARTINGER, H. & NIXDORF, M. (1988). *Chem. Ber.* **121**, 679–683.
- IRNGARTINGER, H., NIXDORF, M., RIEGLER, N. H., KREBS, A., KIMLING, H., POCKLINGTON, J., MAIER, G., MALSCH, K.-D. & SCHNEIDER, K.-A. (1988). *Chem. Ber.* **121**, 673–677.
- JARVIS, R. A. & PATRICK, E. A. (1973). *IEEE Trans. Comput.* **22**, 1025–1034.
- JENDRALLA, H. (1980). *Chem. Ber.* **113**, 3557–3569.
- MORLEY, S. D., ABRAHAM, R. J., HAWORTH, I. S., JACKSON, D. E., SAUNDERS, M. R. & VINTER, J. G. (1991). *J. Comput. Aided Mol. Des.* **5**, 475–504.
- MURRAY-RUST, P. & RAFTERY, J. (1985a). *J. Mol. Graph.* **3**, 50–59.
- MURRAY-RUST, P. & RAFTERY, J. (1985b). *J. Mol. Graph.* **3**, 60–69.
- OBERHAMMER, H. & BAUER, S. (1969). *J. Am. Chem. Soc.* **91**, 10–16.
- PAUNCZ, R. & GINSBURG, D. (1960). *Tetrahedron*, **9**, 40–52.
- SAEBO, S. & BOGGS, J. E. (1982). *J. Mol. Struct.* **87**, 365–373.
- SCHULMAN, J. M., DISCH, R. L. & SABIO, M. L. (1982). *J. Am. Chem. Soc.* **104**, 3785–3788.
- Tektronix Inc. (1992). *CaChe Scientific*. PO Box 500, Beaverton, Oregon, USA.
- TOCHTERMANN, W., LUETTMANN, K., WOLFF, C., PETERS, K., PETERS, E.-M. & VON SCHNERING, H. G. (1989). *Chem. Ber.* **122**, 1653–1660.
- TRAETTEBERG, M. (1964). *J. Am. Chem. Soc.* **86**, 4265–4270.
- TRAETTEBERG, M. (1968). *Acta Chem. Scand.* **22**, 2305–2312.
- TRAETTEBERG, M. (1970). *Acta Chem. Scand.* **24**, 2285–2294.

SHORT COMMUNICATIONS

Acta Cryst. (1994). **B50**, 404

Relationship between the structures of ferroelectric $\text{Pb}_5\text{Cr}_3\text{F}_{19}$ and antiferroelectric $\text{Pb}_5\text{Al}_3\text{F}_{19}$ at 295 K and the phase III–phase IV transition in $\text{Pb}_5\text{Al}_3\text{F}_{19}$ on cooling to about 110 K. Erratum.

By V. ANDRIAMAMPIANINA, P. GRAVEREAU and J. RAVEZ, *Laboratoire de Chimie du Solide du CNRS, Université Bordeaux I, F-33405 Talence CEDEX, France*, and S. C. ABRAHAMS, *Physics Department, Southern Oregon State College, Ashland, OR 97520, USA*

(Received 28 March 1994)

Abstract

Six bond-length designations were omitted partially or completely from Table 3 on p. 140 of the paper by Andriamampianina, Gravereau, Ravez & Abrahams [*Acta Cryst.* (1994), **B50**, 135–141]. The missing bond lengths (\AA) are:

A11–F3 (x4)	1.79(3)	A12–F4 ²¹ (x4)	1.77(6)
A13–F7 (x2)	1.80(3)	Pb1–F4 ³	2.63(4)
A13–F6 ¹⁷ (x2)	1.81(3)	Pb2–F12	2.61(4)

In addition, on p. 138, column 2, line 2 of the final paragraph should read: 'dipole below T_c that becomes reversed in sense', and on p. 140, column 1, line 4 of the final paragraph should be corrected to: 'pair of $6(sp)^2$ electrons with the $M^3\text{F}_6$ octahedra'.

All relevant information is given in the *Abstract*.