

## 9. BASIC STRUCTURAL FEATURES

## 9.2.2 (cont.)

- Weiss, Z. & Āurovič, S. (1985b). *A unified classification and X-ray identification of polytypes of 2:1 phyllosilicates*. 5th Meeting of the European Clay Groups, Prague, 1983, edited by J. Konta, pp. 579–584. Praha: Charles University.
- Weiss, Z. & Wiewióra, A. (1986). *Polytypism in micas*. III. X-ray diffraction identification. *Clays Clay Miner.* **34**, 53–68.
- Wennemer, M. & Thompson, A. B. (1984). *Tridymite polymorphs and polytypes*. *Schweiz. Mineral. Petrogr. Mitt.* **64**, 335–353.
- White, T. J., Segall, R. L., Hutchison, J. L. & Barry, J. C. (1984). *Polytypic behaviour of zirconolite*. *Proc. R. Soc. London Ser. A*, **392**, 343–358.
- Yamanaka, T. & Mori, H. (1981). *The crystal structure and polytypes of  $\alpha$ -CaSiO<sub>3</sub> (pseudowollastonite)*. *Acta Cryst. B37*, 1010–1017.
- Zhukhlistov, A. P., Zvyagin, B. B. & Pavlishin, V. I. (1990). *The polytype 4M of the Ti-biotite displayed on an oblique-texture electron-diffraction pattern*. *Kristallografiya*, **35**, 406–413. [In Russian.]
- Zoltai, T. & Stout, J. H. (1985). *Mineralogy: concepts and principles*. Minneapolis, Minnesota: Burgess.
- Zorkii, P. M. & Nesterova, Ya. M. (1993). *Interlayered polytypism in organic crystals*. *Zh. Fiz. Khim.* **67**, 217–220. [In Russian.]
- Zvyagin, B. B. (1964). *Electron diffraction analysis of clay minerals*. Moskva: Nauka. [In Russian.]
- Zvyagin, B. B. (1967). *Electron diffraction analysis of clay minerals*. New York: Plenum.
- Zvyagin, B. B. (1988). *Polytypism in crystal structures*. *Comput. Math. Appl.* **16**, 569–591.
- Zvyagin, B. B. & Fichtner, K. (1986). *Geometrical conditions for the formation of polytypes with a supercell in the basis plane*. *Bull. Minéral.* **109**, 45–47.
- Zvyagin, B. B., Vrublevskaya, Z. V., Zhukhlistov, A. P., Sidorenko, O. V., Soboleva, S. V. & Fedotov, A. F. (1979). *High-voltage electron diffraction in the investigation of layered minerals*. Moskva: Nauka [In Russian.]
- Kordes, E. (1939a). *Die Ermittlung von Atomabständen aus der Lichtbrechung. I. Mitteilung. Über eine einfache Beziehung zwischen Ionenrefraktion, Ionenradius und Ordnungszahl der Elemente*. *Z. Phys. Chem. B*, **44**, 249–260.
- Kordes, E. (1939b). *Die Ermittlung von Atomabständen aus der Lichtbrechung. II. Mitteilung*. *Z. Phys. Chem. B*, **44**, 327–343.
- Kordes, E. (1940). *Ionenradien und periodisches System. II. Mitteilung. Berechnung der Ionenradien mit Hilfe atomphysischer Größen*. *Z. Phys. Chem.* **48**, 91–107.
- Kordes, E. (1960). *Direkte Berechnung der Ionenradien allein aus den Ionen-abständen*. *Naturwissenschaften*, **47**, 463.
- Pauling, L. (1947). *The nature of the interatomic forces in metals. II. Atomic radii and interatomic distances in metals*. *J. Am. Chem. Soc.* **69**, 542–553.
- Pearson, W. B. (1979). *The stability of metallic phases and structures: phases with the AlB<sub>2</sub> and related structures*. *Proc. R. Soc. London Ser. A*, **365**, 523–535.
- Rodgers, J. R. & Villars, P. (1988). *Computer evaluation of crystallographic data*. In *Proceedings of the 11th International CODATA Conference, Karlsruhe, FRG*, edited by P. S. Glaeser. New York: Hemisphere Publishing Corp.
- Samsonov, G. V. (1968). Editor. *Handbook of physicochemical properties of elements*, p. 98. New York/Washington: IFI/Plenum Data Corporation.
- Teatum, E. T., Gschneider, K. Jr & Waber, J. T. (1960). *Compilation of calculated data useful in predicting metallurgical behaviour of the elements in binary alloy systems*. USAEC Report LA-2345, 225 pp. Washington, DC: United States Atomic Energy Commission.
- Teatum, E. T., Gschneider, K. Jr & Waber, J. T. (1968). *Compilation of calculated data useful in predicting metallurgical behaviour of the elements in binary alloy systems*. USAEC Report LA-4003, 206 pp. [Supercedes Report LA-2345 (1960).] Washington, DC: United States Atomic Energy Commission.
- Villars, P. & Calvert, L. D. (1991). *Pearson's handbook of crystallographic data for intermetallic phases*, 2nd ed. Materials Park, OH: ASM International.
- Villars, P. & Girgis, K. (1982). *Regelmäßigkeiten in binären intermetallischen Verbindungen*. *Z. Metallkd.* **73**, 455–462.

## 9.3

- Brunner, G. O. & Schwarzenbach, D. (1971). *Zur Abgrenzung der Koordinationsphäre und Ermittlung der Koordinationszahl in Kristallstrukturen*. *Z. Kristallogr.* **133**, 127–133.
- Daams, J. L. C. (1995). *Atomic environments in some related intermetallic structure types*. *Intermetallic compounds, principles and practice*, edited by J. H. Westbrook & R. L. Fleischer, Vol. 1, pp. 363–383. New York: John Wiley.
- Daams, J. L. C. & Villars, P. (1993). *Atomic-environment classification of the rhombohedral "intermetallic" structure types*. *J. Alloys Compd.* **197**, 243–269.
- Daams, J. L. C. & Villars, P. (1994). *Atomic-environment classification of the hexagonal "intermetallic" structure types*. *J. Alloys Compd.* **215**, 1–34.
- Daams, J. L. C. & Villars, P. (1997). *Atomic environment classification of the tetragonal "intermetallic" structure types*. *J. Alloys Compd.* **252**, 110–142.
- Daams, J. L. C., Villars, P. & van Vucht, J. H. N. (1991). *Atlas of crystal structure types for intermetallic phases*. Materials Park, OH: ASM International.
- Daams, J. L. C., Villars, P. & van Vucht, J. H. N. (1992). *Atomic-environment classification of the cubic "intermetallic" structure types*. *J. Alloys Compd.* **182**, 1–33.

## 9.4

- Bergerhoff, G. & Brown, I. D. (1987). *Inorganic crystal structure database*. In *Crystallographic databases*, edited by F. H. Allen, G. Bergerhoff & R. Sievers, pp. 77–95. Bonn/Cambridge/Chester: International Union of Crystallography.
- International Tables for X-ray Crystallography* (1962). Vol. III, pp. 257–274. Birmingham: Kynoch Press.
- Sievers, R. & Hundt, R. (1987). *Crystallographic information system CRYSTIN*. In *Crystallographic databases*, edited by F. H. Allen, G. Bergerhoff & R. Sievers, pp. 210–221. Bonn/Cambridge/Chester: International Union of Crystallography.

## 9.5

- Allen, F. H., Bellard, S., Brice, M. D., Cartwright, B. A., Doubleday, A., Higgs, H., Hummelink, T., Hummelink-Peters, B. G., Kennard, O., Motherwell, W. D. S., Rodgers, J. R. & Watson, D. G. (1979). *The Cambridge Crystallographic Data Centre: computer-based search, retrieval, analysis and display of information*. *Acta Cryst. B35*, 2331–2339.