Table 2. *Crystal data*

(*a*) Crystallographic data for the type *A* crystals

Solvent	*a* (Å)	*b* (Å)	*c* (Å)	*β* (°)	*V* (Å^3)	Stoichiometry BSX: solvent	Observed density (g cm^{-3})	Calculated density (g cm^{-3})	Space group
Acetylacetone	14·04	20·38	6·39	96·1	1818·0	2:1	1·44	1·48	All $P2_1/n$
Cyclohexanone	14·31	20·02	6·41	96·7	1823·9	2:1	1·44	1·47	
Pyridine	14·82	20·02	6·41	95·9	1891·7	1:1	1·52	1·52	
N,*N*-Dimethylformamide	15·36	19·79	6·41	97·2	1933·1	1:1	1·47	1·47	
Nitrobenzene	14·34	20·09	6·43	95·5	1843·9	2:1	1·50	1·50	
Pentafluorobenzene	14·20	19·96	6·44	97·1	1811·2	2:1	1·59	1·61	
N-Methyl-2-pyrrolidinone	15·23	20·45	6·47	96·7	2001·4	1:1	1·50	1·50	
Dibromomethane	14·75	20·02	6·50	97·3	1903·9	1:1	1·84	1·84	
Dichloromethane	14·46	19·97	6·51	93·1	1877·0	1:1	1·56	1·55	
1,1,2,2-Tetrachloroethane	14·35	19·96	6·55	96·5	1864·1	2:1	1·55	1·56	
N,*N*-Dimethylacetamide	14·78	20·68	6·56	96·2	1993·4	1:1	1·47	1·47	
(*b*) Crystallographic data for the type *B* crystals									
1,4-Thioxane	13·95	6·56	20·14	106·2	1769·9	2:1	1·54	1·55	All $P2_1/c$
4-Hydroxybutanoic acid lactone	14·97	6·59	20·80	106·8	1964·5	1:1	1·49	1·49	
3-Methylpyridine	13·17	6·65	20·32	91·7	1778·9	2:1	1·50	1·50	
3-Bromopyridine	13·03	6·72	20·30	92·0	1775·3	2:1	1·61	1·62	
(*c*) Crystallographic data for the type *C* crystals									
1,4-Dioxane	22·13	13·83	6·50	96·7	1975·8	1:1	1·49	1·49	$P2_1/n$

The crystal structures of pure BSX and of the 1:1 complexes with *N*,*N*-dimethylformamide (type *A*), 4-hydroxybutanoic acid lactone (type *B*) and 1,4-dioxane (type *C*) have been determined, and will be described in subsequent papers.

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Reference

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Notes and News

Announcements and other items of crystallographic interest will be published under this heading at the discretion of the Editorial Board. The notes (in duplicate) should be sent to the Executive Secretary of the International Union of Crystallography (J. N. King, International Union of Crystallography, 13 White Friars, Chester CH1 1NZ, England).

Dr Walter C. Hamilton 1931–1973

Dr Walter C. Hamilton, a Co-editor of *Acta Crystallographica* since 1969, died on Tuesday 23 January 1973. A full obituary notice will be published later in Section A of this journal.

Molecular Structures and Dimensions

Interatomic Distances 1960–65, *Organic and Organometallic Crystal Structures* will be published for the International Union of Crystallography and the Crystallographic Data Centre, Cambridge by Oosthoek Publishing Company in March 1973 at a price of Netherlands guilders 175 (equivalent to U.S. $57·00 or £23·70 at present rates of exchange). Copies for the personal use of scientists may be obtained at a reduced price of Netherlands guilders 125 (U.S. $40·50 or £16·90).

This book, Volume A1 in the *Molecular Structures and Dimensions series*, is a continuation of *Tables of Interatomic Distances and Configuration in Molecules and Ions* which covered the iterature up to the end of 1959. It has been prepared by the Crystallographic Data Centre, Cambridge and contains numerical data, including bond lengths, bond angles and torsion angles, for about 1300 structures analysed by X-ray and neutron diffraction. The entries are illustrated by specially prepared stereoscopic diagrams and by chemical formulae. All bond lengths were checked by computer and errors detected were traced and corrected as far as possible. Torsion angles of greatest conformational interest were selected and these were calculated from published coordinates. Only rarely have they been listed in the original publication. There are extensive summary tables of bond lengths, arranged by element-pairs, and a variety of indexes.

Volume 4 in the *Molecular Structure and Dimensions* series, *Bibliography* 1971–1972, *Organic and Organometallic*

Crystal Structures, will also be published in March 1973. It contains classified bibliographic information for structures published during 1971–1972. Entries are arranged in 86 chemical classes and cover organic compounds, complexes and organometals. The price of Volume 4 is Netherlands guilders 55 (U.S. $18·00 or £7·50). Copies for the personal use of scientists may be obtained at a reduced price of Netherlands guilders 39 (U.S. $12·50 or £5·30). The prices of all volumes in the series are fixed in Netherlands guilders. The U.S. dollar and sterling equivalents given in this notice are subject to exchange rate fluctuations.

Both of these volumes may be ordered from Oosthoek Publishing Company, Domstraat 5–13, Utrecht, The Netherlands. Alternatively orders may be placed with Polycrystal Book Service, P.O. Box 11567, Pittsburgh, Pennsylvania 15238, U.S.A., with the Crystallographic Data Centre, Lensfield Road, Cambridge CB2 1EW, England or with any bookseller.