Table X. Interatomic Distances for $NaZn(OH)MoO_4$

	this work	ref 11
Zn–O(1, 2)[a]	2.246 (3)	2.219, 2.264
–O(4)[b]	1.943 (3)	1.882, 1.988
–O(5)	2.204 (3)	2.135, 2.325
Mo–O(1, 2)	1.758 (3)	1.669, 1.790
–O(3)[c]	1.736 (6)	1.747
–O(5)	1.794 (4)	1.755
Na–O(1, 2)[d]	2.571 (4)	2.562, 2.623
–O(1, 2)[e]	2.680 (4)	2.633, 2.799
–O(3)	2.664 (6)	2.692
–O(4)[c]	2.287 (5)	2.360
–O(5)[f]	2.716 (5)	2.712
O(4)–H	0.71 (10)	
O(4)···O(3)[g]	2.749 (6)	
H···O(3)[g]	2.05 (10)	

[a] $^1/_2 + x, {}^1/_2 - y, {}^1/_2 - z$. [b] $^3/_2 - x, -^1/_2 + y, 1 - z$. [c] $-^1/_2 + x, {}^1/_2 - y, z$. [d] $x, y, 1 + z$. [e] $^1/_2 + x, {}^1/_2 - y, 1 + z$. [f] $^1/_2 - x, {}^1/_2 + y, 1 - z$. [g] $1 - x, 1 - y, {}^1/_2 + z$.

suggestion is that extreme caution be maintained at all stages of a crystal structure analysis and that undue haste be avoided, even when the pressures of competition or the availability of sophisticated automation make haste seem an end in itself.

Registry No. Dichlorobis(4-vinylpyridine)zinc(II), 17501-34-7; (3,9-dimethyl-4,8-diaza-3,8-undecadiene-2,10-dione dioximato)copper(II) perchlorate·$^1/_2$ methanol, 62197-90-4; parwelite, 12420-60-9; *catena*-bis[μ-bis(2-aminoethyl)amine]-bis(μ-thiocyanato)-bis(isothiocyanato)dicadmium(II), 60840-52-0; (malonato)diaquacalcium(II), 18923-49-4; disodium di-μ-hydroxo-dizinc(II) molybdate, 61231-78-5; bis[*N*-isobutyl(5-chloro-α-phenyl-2-hydroxybenzilidine)aminato]copper(II), 61129-02-0.

References and Notes

(1) V. Schomaker and R. E. Marsh, *Acta Crystallogr., Sect. B*, in press.
(2) O. Ermer and J. D. Dunitz, *Acta Crystallogr., Sect. A*, **26**, 163 (1970).
(3) W. L. Steffen and G. J. Palenik, *Inorg. Chem.*, **16**, 1119 (1977).
(4) An apparent exception is C(4). However, the *x* coordinate of C(4b) is undoubtedly misprinted; otherwise, the C–C distance would be unrealistic. Its correct value is probably 0.2538 rather than 0.2438.
(5) J. A. Bertrand, J. H. Smith, and D. G. VanDerveer, *Inorg. Chem.*, **16**, 1484 (1977).
(6) E. W. Hughes, *J. Am. Chem. Soc.*, **63**, 1737 (1941).
(7) P. B. Moore and T. Araki, *Inorg. Chem.*, **16**, 1839 (1977).
(8) M. Cannas, G. Carta, A. Cristini, and G. Marongiu, *Inorg. Chem.*, **16**, 228 (1977).
(9) A. Karipides, J. Ault, and A. T. Reed, *Inorg. Chem.*, **16**, 3299 (1977).
(10) Dr. Howard Einspahr has brought to our attention a recent paper describing a second, independent X-ray diffraction study of this compound (B. Briggman and Å. Oskarsson, *Acta Crystallogr., Sect. B*, **33**, 1900 (1977)). Refinement in *C2/m* converged at $R = 0.032$ for 992 reflections, and "a few cycles of refinement in the space group *C*2 did not significantly improve the structural model". Atom O(6) was treated as a single, highly anisotropic atom rather than as disordered; otherwise, the resulting structure is essentially identical with what we find. All atomic coordinates agree with our values within 3 esd's except for the *z* coordinates of O(6) and H(6), which were undoubtedly influenced by the way in which O(6) was treated.
(11) A. Clearfield, R. Gopal, and C. H. Saldarriaga-Molina, *Inorg. Chem.*, **16**, 628 (1977).
(12) D. T. Cromer and J. B. Mann, *Acta Crystallogr., Sect. A*, **24**, 321 (1968).
(13) P. C. Chia, D. P. Freyberg, G. M. Mockler, and E. Sinn, *Inorg. Chem.*, **16**, 254 (1977).
(14) P. Niggli, "Handbuch der Experimentalphysik", Vol. 7, Part 1, Akademische Verlagsgesellschaft M.B.H., Leipzig, 1928, p 108; M. J. Buerger, *Z. Kristallogr., Kristallgeom., Kristallphys., Kristallchem.*, **109**, 42 (1957); R. B. Roof, Jr., Report LA 4038, Los Alamos National Laboratory, 1967.
(15) Contribution No. 5986.

Department of Chemistry[15]
California Institute of Technology
Pasadena, California 91125
Richard E. Marsh*

Department of Chemistry
University of Washington
Seattle, Washington 98195
Verner Schomaker

Received March 9, 1979

Additions and Corrections

1977, Volume 16

Kenneth R. Poeppelmeier and John D. Corbett*: Metal–Metal Bonding in Reduced Scandium Halides. Synthesis and Characterization of Heptascandium Decachloride (Sc_7Cl_{10}). A Novel Metal-Chain Structure.

Pages 1108 and 1109. The Sc2–Cl5 distance, Figure 1 and Table II, should be 2.611 (3) Å rather than 2.44 Å.

Page 1110. In the Discussion, paragraph 3, last sentence, the bond order for a 3.15 Å Sc–Sc bond should be 0.4, not 0.6 as printed—John D. Corbett

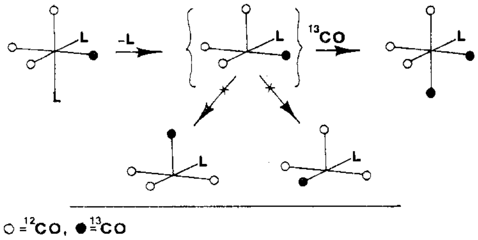
1979, Volume 18

Howard W. Turner, Richard A. Andersen,* Allan Zalkin,* and David H. Templeton*: Chloro-, Methyl-, and (Tetrahydroborato)tris((hexamethyldisilyl)amido)thorium(IV) and -uranium(IV). Crystal Structure of (Tetrahydroborato)tris((hexamethyldisilyl)amido)thorium(IV).

Page 1222. The last sentence in the second paragraph of the first column should read: "...shows two single absorptions at δ 4.17 and 73.6...." The second sentence in the first complete paragraph in the second column should read: "...quartet centered at δ −101, J_{HB} = 79 Hz, and a singlet at δ −1.87."—Richard A. Andersen

Donald J. Darensbourg* and Allen H. Graves: Steric Contributions to the Solution Dynamics Involving Phosphorus Ligand Dissociation in Substituted Derivatives of Molybdenum Hexacarbonyl.

Page 1258. The second reaction in Scheme I should be



clearly indicating that no rearrangement of the [$Mo(CO)_4L$] intermediate was observed on the time scale of ^{13}CO addition.—Donald J. Darensbourg