Calendar of Events

August 19, 1984

Application and Operation of F*A*C*T (Facility for the Analysis of Chemical Thermodynamics)

Location: Hilton International Hotel, Quebec City, Canada
Sponsor: The Metallurgical Society of CIM

This one-day workshop, to be held during the 23rd Annual Conference of Metallurgists of the Canadian Institute of Mining and Metallurgy, introduces the computational capability of F*A*C*T, an interactive data base computing system. For further details, contact Prof. A. D. Pelton or Dr. C. W. Bale, Department of Metallurgical Engineering, Ecole Polytechnique, University of Montreal, P. O. 6079, Postal Station "A", Montreal, Quebec H3C 3A7, Canada; telephone: 514/344-4770.

November 26-30, 1984

Annual Meeting of the Materials Research Society

Location: Boston, MA, U.S.A.
Sponsor: Materials Research Society

Included in this meeting is a symposium on alloy phase diagrams, which is a sequel to the one given at the 1982 MRS meeting and is in the nature of a progress report, focusing particularly on three areas: fundamentals (including calculation of alloy phase stability and phase diagrams from first principles), constrained equilibria, and surface phase diagrams. Symposium chairpersons are Dr. L. H. Bennett, Prof. T. B. Massalski, and Prof. B. C. Giessen. For more information, contact the MRS Secretariat, 110 Materials Research Laboratory, University Park, PA 16802, U.S.A.

Comments and Addenda

Comment

Content of the *Bulletin*

As a scientist working in the electronics industry, I see an alphabet soup of metallurgical combinations pan before my eyes. Since even the most routine problems require the most up-to-date knowledge possible, I find the *Bulletin* a very useful tool, with information almost unavailable elsewhere. However, I would also like to see thin-film metastable diagrams included in the *Bulletin*.

Jim Lloyd
IBM Corp., NY

See discussion of this comment in the Editor's Corner of this issue.

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We invite your comments on this or any other topic. —*Editor*

Addenda

The Cr-Cu (Chromium-Copper) System

The following changes should be made to the Cr-Cu system in Vol. 5, No. 1, p 59-68.

Figure 1, on p 60, should include the subcaptions: X ≡ experimental [77Kuz]; □ ≡ thermodynamic modeling calculations at selected temperatures [77Kuz]; ◇ ≡ activity measurement [82Tim]; △ and ▽ ≡ thermal analyses, [08Hin] and [23Sie], respectively.

On p 63, Table 3, line 1, column 1, should read: 1073 ± 2. On p 64, in Fig. 5, the left-hand side of the equation should read: $x_{Cr}^{(Cu)}$. Equation 2 should read: $x_{Cr}^{(Cu)} = 24\,840 \exp(-114\,880/RT)$ (at.%).

On p 65, under Thermodynamics, line 2 in paragraph 3 should read: Ω_{Cu}. Line 8 in paragraph 4 should read: $X_{Cr}^{(Cu)} = 108$.

On p 66, Fig. 6, the unit for the parameter in the vertical axis should read: (kJ/mol), and should include the subcaption: At 1823 K. Table 5, last column, line 12, should read: $-9498 + 8.79T$. The second paragraph, line 1, should read: A temperature dependence of $\Omega_{Cr}^{(Cu)}$ . . . . Equation 3, the left-hand side should read: $\Omega_{Cr}^{(Cu)}$.

On p. 67, Fig. 7 should include the subcaption: At 1.5 at.% Cr. Equation 4 should read: $\Omega^1 = 81\,200 + 4400X_{Cr} - 27.9T$ (J/mol).

On p 68, the second column should include the reference: **80Gac:** J. C. Gachon, M. Notin, C. Cunat, J. Hertz, J. C. Parlebas, G. Moraitis, B. Stupfel and F. Gautiar, "Enthalpy of Formation and Excess Entropy for Dilute Cu-Based Alloys; Experimental and Theoretical Study", *Acta Metall., 28,* 489-497 (1980). (Thermo; Theory)