centrate on specific programs of interest, based on their knowledge of the resources of their employer and which package would be of greatest assistance to them.

To give the information discussed at the conference greater exposure, the Forum will highlight one or more of the examined software packages each month.

PC SOFTWARE: SHIMPO-GOTO I, II

Professors Shimpo and Goto of the University of Tokyo have developed three programs of varying sophistication to calculate equilibrium compositions. Version I is used for making equilibrium product calculations and is written in BASIC. The program solves three simultaneous equations based on the laws of mass action and conservation of mass. Inputs required are: the system temperature; a list of all the components in the system (for each component, a constant value of Gibbs free energy, a set of Gibbs values at two temperatures for linear interpolation, or a set of Gibbs values at three temperatures necessary so that the program can calculate an estimate using a formula); molal amounts of each element; and an identification of each phase present. The program may be used to solve a system equilibrium at various combinations of temperatures and molar values using multiple runs set up by the user. A total pressure of one atmosphere is set for all cases while using Version I. The program is capable of good convergence if the chemical system is not too complicated (up to 10 elements, 16 compounds, and 10 phases). Version II adds the capability of using parameters to define activity coefficients, or pressures other than 1 atm. It therefore handles somewhat more complicated chemical systems. These programs are of particular benefit as instructional aids for teaching thermodynamics, and for process evaluation where one already knows something about the system. Shimpo-Goto is very user-friendly.

If you want more information on this subject, please circle reader service card number 76.

Correction

The August issue of *Journal of Metals* inadvertently published an error in Table IV of the article "Cadmium Purification with a Vibrating Reactor" by Nestor Torres, M. Esna-Ashari, Horst Biallas and Kayo Kangas. As it stands, the table heading reads "Material Imbalance of Cadmium Cement Produced in a VIBRAC." The heading should actually read "Material *Balance* of Cadmium Cement Produced in a VIBRAC."

We regret any confusion that may result from this misprint.