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The original compilation of phase diagrams was made by F. P. Hall and Herbert Insley and was published as the October, 1933, issue of The Journal of The American Ceramic Society. These authors then followed with a supplement, published as the April, 1938, issue of the same Journal, and with another complete compilation which was published as Part II of the November, 1947, issue of this Journal.

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Like those for any other class of materials, experimental phase diagrams for ceramic systems are based on observations of phase existence or coexistence, reactions, and transitions. Because ceramic systems exhibit a broad range of physical behavior, several experimental techniques, many of them detailed in other chapters in this book, have been used to identify phase relationships.

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