



other respects. This makes it possible to do desk-top searches that some people imagine require a computer. Indeed, until *CSI* came along this multi-dimensional searching capability did require a computer.

Chemists who have tried mastering any of the traditional nomenclatures may tend to shy away from a system of chemical notation, but they're wrong to do so. In general, the Wiswesser notation is much easier to learn than any system of nomenclature. What the chemist needs to know in order to use the *CSI* can be learned in half an hour. This is true partly because the notation achieves the aim of any code as a communications medium: it is systematic, it is basically simple, and the notations are admirably brief. But it is primarily

true that the user can become proficient with the *CSI* in a short time because, as with any "language", it is much simpler to learn to read (decode) than to write (encode). The article reprinted in this issue makes clear how easy the whole business is.

The *CSI* is a record of part of each month's input to ISI's chemical data bank, which we have been building for more than ten years.<sup>5</sup> The data bank is accessible by a variety of means: magnetic tape, printed abstract and index volumes, and an SDI automatic alert system. It is, thus, an invaluable resource as well as an invaluable tool for research. ISI's chemical data bank and chemical data system qualify uniquely in both respects.

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2. Garfield, E. New *Chemical Substructure Index* is creative theoretical tool for molecule manipulators as well as practical system for retrieval. *Current Contents* No. 24, p. 5-6, June 16, 1971.
3. Gibson, G.W. & Granito, C.E. Wiswesser chemical line-notation. *American Laboratory*, April 1972, p. 27-37.
4. Garfield, E. *Current Abstracts of Chemistry and Index Chemicus* *Current Contents* No. 49, p. 4-5, December 2, 1969. Reprinted in: *Chem. Eng. News* 47(51):66, 1969, and *Chem. Industry*, January 10, 1970, p. ii.
5. Garfield, E. et al. *Index Chemicus Registry System*, pragmatic approach to substructure chemical retrieval. *J. Chem. Doc.* 10:54-58, 1970.