

BOOK REVIEW

Chemistry in non-aqueous solvents, by Bernard Trémillon, University of Paris, Paris, France (translated from the French by N. Corcoran), D. Reidel Publishing Company, Dordrecht-Holland/Boston-USA, pp. 285, price f 78,--.

The book was originally published in French. After a general introduction to molecular liquids and molten salts as solvents, protolysis phenomena, ionic reactions in non-protonic liquids and redox phenomena are presented. Finally an attempt is made to correlate various physico-chemical properties in different solvents. In this last chapter a comparison of pH-scales in different solvents is made. The influence of the electrostatic contribution to changes in acidity or basicity is discussed but comparatively little attention has been directed to the important role of the coordination chemical properties of the solvent molecules, for which empirical quantities (donicity) are nowadays available in a large number of cases.

The text is well written and in contrast to other textbooks in this field is a survey of common and characteristic features on physico-chemical grounds rather than a collection of facts and data. It serves as a very useful introduction to this important field and is strongly recommended as a text book for Advanced Chemistry courses at University level.

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