

# Contents

<b>Introduction</b>	<b>vii</b>
<b>The H<sub>2</sub>O-D<sub>2</sub>O solvent system</b>	<b>1</b>
V. GOLD, King's College, University of London	
<b>Spectroscopic studies of associated liquids</b>	<b>11</b>
W. A. P. LUCK, Badische Anilin & Soda-Fabrik AG, Ludwigshafen/Rh. Germany	
<b>The properties of aqueous solutions of non-electrolytes</b>	<b>50</b>
F. FRANKS, University of Bradford	
<b>Ionic solvation in mixed aqueous solvents</b>	<b>71</b>
D. FEAKINS, Birbeck College, University of London	
<b>Ionic transport mechanisms in aqueous, non-aqueous, and mixed solvents</b>	<b>91</b>
G. J. HILLS, University of Southampton	
<b>Correlation of kinetic, thermodynamic, and spectral behavior in highly aqueous binary solvents</b>	
E. M. ARNETT, University of Pittsburgh and Mellon Institute, Pittsburgh, Pennsylvania	
<b>Chemical equilibria in concentrated solutions of strong acids</b>	
R. J. GILLESPIE, McMasters University, Hamilton, Ontario	
<b>General discussion</b>	<b>141</b>
<b>Index</b>	