R E F E R E N C E S

REFERENCES.

1. Reinitzer, F. (1888). Monatsh. 9, 421.
2. Lehmann, O. (1889). Z.phys.Chem. 4, 462.
3. Friedel, G. (1922). Ann.Physique. 18, 273.
4. Rinne, F. (1933). Trans. Faraday Soc. 29, 1016.
5. Brown, G.H. and Shaw, W.G. (1957). Chem.Rev. 57, 1097.
6. Friedel, G. (1926). Colloid Chemistry; edited by J.Alexander, vol. I, p. 102 ff., The Chemical Catalog Comp. Inc., New York.
7. Lawrence, A.S.C. (1933). Trans. Faraday Soc. 29, 1008.
8. Jelly, E.E. (1949). Physical Methods of Organic Chemistry, edited by Weissberger, 2nd edition, vol. I, Part I, p. 890., Interscience Publishers, Inc., New York.
9. Gattermann, L. and Ritschke, A. (1890). Ber. 23, 1738.
10. Vorlander, D. (1908). Kristallinisch-flussige Substanzen, Stuttgart, p. 74.
11. Tamman, G. (1901). Ann. Physik. 4, 524; (1902) 8, 103; (1906) 19, 421.
12. Nernst, W. (1906). Z.Elektrochem. 12, 431.
13. Quincke, F. (1894). Annalen 53, 613.
14. Bredig, G. and Von Schukowsky, G. (1904). Ber. 37, 3419.
15. Coehn, A. (1904). Z.Elektrochem. 10, 856.
16. Schenck, R. (1902). Ann.Physik. 9, 1053.
17. Vorlander, D. (1908). Ber. 41, 2033.
18. de Kock, A.C. (1904). Z.phys.Chem. 48, 129.
19. Pawloff, P.N. (1909). J.Russ.Phys.Chem.Soc. 41, 856.
20. Wulff, G. (1909). Zeit.Kryst.Min. 46, 261.
21. Voigt, W. (1916). Phys.Z. 17, 76, 128,152,305.

22. Lehmann, O. (1909). Phys. Z. 10, 553-560; (1910) 11, 44-49.

23. Tutton, A.E.H. (1922). Crystallography and Practical Crystal Measurement., p. 1406.

24. Mauguin, C. (1911). Compt.rend. 152, 1680; (1912) 154, 1359; (1913) 156, 1246.

25. Friedel, G. and Grandjean, F. (1910). Bull.Soc. France. Min. 33, 192, 409, 466.

26. Grandjean, F. (1916). Bull Soc. France Min. 39, 164; (1917) 40, 69.

27. Vorlander, D. (1930). Phys.Z. 31, 428.

28. Sandquist, H. (1916). Kolloid Z. 19, 133; (1916). J.Amer.Chem.Soc. 40, 556.

29. Grandjean, F. (1917). Compt. rend. 166, 165.

30. Bernal, J.D. and Crowfoot, D. (1933). Trans. Faraday Soc. 29, 1032.

31. Bragg, Sir W. (1934). Nature 133, 445.

32. Bose, E. (1907). Phys.Z. 8, 347; (1908) 9, 708; (1909) 10, 32, 230.

33. Van der Lingen, J.S. (1921). J.Franklin Inst. 191, 651.

34. Nernst, W. (1910). Z.Elektrochem. 16, 702.

35. Bose, E. (1911). Phys. Z. 12, 60.

36. Barker, T.V. (1915). Ann.Report (Chem.Soc.) 11, 264.

37. Ornstein, L.S. and Zernicke, F. (1918). Phys.Z. 19, 134; (1917). Proc. Acad.Sci.Amsterdam. 21, 115.

38. Zocher, H. (1927). Phys.Z. 28, 790; (1933). Trans. Faraday Soc. 29, 945.

39. Riwlin, R. (1923). Dissertation, Utrecht.

40. Moll, W. and Ornstein, L.S. (1917). Proc.Acad. Sci. Amsterdam, 21, 259; (1918). Chem.Abs. 12, 2477.

41. Kast, W. (1931). Z.Physik. 71, 39; (1935). Phys. Z. 36, 869.

42. Ornstein, L.S. and Kast, W. (1933). Trans.Faraday Soc. 29, 931.

43. Stewart, G.W. (1933). Trans.Faraday Soc. 29, 982.

44. Zocher, H. and Birstein, V. (1929). Z.Phys.Chem. A142, 186.

45. Zocher, H. and Ungar, C. (1938). Z.Physik. 110, 529.

46. Maier, W. and Saupe, A. (1958). Z.Naturforsch. 13a, 564.

47. Maier, W. and Saupe, A. (1959). Z.Naturforsch, 14a, 882.

48. Maier, W. and Saupe, A. (1960). Z.Naturforsch, 15a, 287.

49. Chatelain, P. (1954). Bull Soc. Franc. Miner. Crist. 77, 323.

50. Gray, G.W. (1956). J.Chem.Soc. 3733-39.

51. Stumpf, F. (1910). Phys.Z. 11, 780.

52. Mathieu, J. (1934). Bull.Soc. Franc.Miner. Crist. 62, 174.

53. Vries, Hl.De. (1951). Acta.Cryst. 4, 219.

54. Lehmann, O. (1895). Ann.Phys. (3) 56, 771.

55. Sandquist, H. (1915). Ber. 48, 2054.

56. Balaban, I.E. and King, H. (1927). J.Chem.Soc. 3068.

57. McBain, J.W. (1926). Colloid Chemistry , Chemical Catalogue Co. Inc. New York. Vol. I. p.138. (edited by Alexander, J.).

58. Lawrence, A.S.C. (1938). Trans.Faraday Soc. 34, 660.

59. Vold, R.D., Leggett, C.W. and McBain, J.W. (1940). J.Phys.Chem. 44, 1058.

60. Broome, F.K., Hoerr, C.W. and Harwood, H.J. (1951). J.Amer.Chem.Soc. 73, 3350.

61. Marsden, S.S. and McBain, J.W. (1948). J.Phys.and Colloid Chem. 52, 110.

62. Bury, C.R. and Browning, J. (1953). Trans.Faraday Soc. 49, 209.

63. Windsor, P.A. (1955). J.Colloid Sci. 10, 88 and 101.

64. Philippoff, W. and McBain, J.W. (1949). Nature 164, 885.

65. Marsden, S.S. and McBain, J.W. (1948). Acta Cryst. 1, 270.

66. Elliot, A. and Ambrose, E.J. (1930). Faraday Soc. Discussion. 9, 246.

67. Ostwald, W. (1931). Z.Krist. 79, 222.

68. Palit, S.R., Moghe, V.A. and Biswas, B. (1958). Trans. Faraday Soc. 55(3), 463.

69. Zocher, H. and Coper, K. (1928). Z.Physik Chem. 132, 295.

70. Dreyer, J.F. (1948). J.Phys. and Colloid Chem. 52, 808.

71. Sheppard, S.E. (1942). Revs. Mod.Phys. 14, 303.

72. Robinson, C. (1956). Trans.Faraday Soc. 52, 572; (1961). Tetrahedron 13, 219.

73. Vorlander, D. (1931). Z.Krist. 79, 89.

74. Huckel, E. (1921). Phys.Z. 22, 561. Stewart, G.W. (1931). Phys. Rev. 38, 931.

75. Lawrence, A.S.C. (1938). J.Royal Micro.Soc. 18, 30.

76. Bradfield, A.E. and Jones, B. (1929). J.Chem.Soc. 2660.

77. Jones, B. (1935). J.Chem.Soc. 1874.

78. Bennett, G.M. and Jones, B. (1939). J.Chem. Soc. 420.

79. Weygand, C. and Gabler, R. (1940). Z.Physik.Chem. 46B, 270.

80. Gray, G.W. and Jones, B. (1953). J.Chem.Soc. 4179.

81. Vorlander, D. (1922). Z.Angew.Chem. 35, 249.

82. Vorlander, D. (1933). Trans.Faraday Soc. 29, 902.

83. Gray, G.W. and Jones, B. (1954). J.Chem.Soc. 683.

Smt. HANSA MEHTA LIBRARY THE M. S. UNIVERSITY OF BARODA

84. Gray, G.W. and Jones, B. (1955). J.Chem.Soc. 236.

85. Gray, G.W. (1958). J.Chem.Soc. 552.

86. Gray, G.W. and Jones, B. (1952). Nature 170, 451.

87. Gray, G.W. (1953). Thesis for Ph.D., London University.

88. Huckel, E. (1921). Phys.Z. 22, 561.

89. Broglie, M.de. and Friedel, E. (1923). Compt. rend. 176, 475, 738.

90. Katz, J.R. (1928). Naturwiss. 16, 758.

91. Kast, W. (1933). Naturwiss. 21, 737; (1934). Ann. Physik. 19, 571.

92. Glamann, P., Herrmann, K. and Krummacher, A.H. (1930). Z.Krist. 74, 73.

93. Herrmann, K. (1935). Z.Krist. 92, 49.

94. Kast, W. (1927). Ann. Physik 83, 391; (1927). Z.Physik. 42, 81; (1931). Z.Krist. 79, 146.

95. Herrmann, K., Krummacher, A.H. and May, K. (1932). Z.Physik. 73, 419.

96. Stewart, G.W. (1933). Trans.Faraday Soc. 29, 982; (1931). Phys.Rev. 38, 931.

97. Brown, G.H. and Shaw, W.G. (1959). J.Amer.Chem.Soc. 81, 2532.

98. Bryan, R.F. (1960). J.Chem.Soc. 2517.

99. Nordsieck, H., Ferguson, R.H. and Rosevear, F.B. (1948). J.Chem.Phys. 16, 175.

100. Rawlins, F.I.G. and Taylor, A.M. (1929). "Infrared Analysis of Molecular Spectra", Cambridge University Press, London, p.63.

101. Freymann, R. and Servant, R. (1945). Ann.Physique. 20, 131.

102. Maier, W. and Saupe, A. (1956). Z.Phys.Chem. 6, 327.

103. Maier, W. and Englert, G. (1958). Z.Elektrochem. 62, 1020.

104. Spence, R.D., Moses, H.A. and Jain, P.L. (1953). J.Chem.Phys. 21, 380.

105. Jain, P.L., Lee, J.C. and Spence, R.D. (1955). J.Chem. Phys. 23, 878.

106. Spence, R.D., Gutowsky, H.S. and Holm, C.H. (1953). J.Chem.Phys. 21, 1891.

107. Jain, P.L., Moses, H.A., Lee, J.C. and Spence, R.D. (1953). Phys. Rev. 92, 844.

108. Ewing, R. and Lee, J.C. (1954). Phys. Rev. 94, 1411.

109. Moses, H.A. (1953). M.S.Thesis, Michigan State College.

110. Grant, R.F., Hedgecock, N. and Dunell, B.A. (1956). Canad. J.Chem. 34, 1514.

111. Schenk, R. (1898). Z.Phys.Chem. 27, 167.

112. Eichwold, E. (1923). Landolt-Bornstein, " Physikalisch-Chemische Tabellen", Julius Springer, Berlin. Vol. III, p. 64.

113. Becherer, G. and Kast, W. (1942). Ann. Physik. 41, 355.

114. Ferguson, A. and Kennedy, S.J. (1938). Phil.Mag. 26, 41.

115. Naggiar, V. (1943). Ann. Physique. 18, 5.

116. Schwartz, W.M. and Moseley, H.W. (1947). J.Phys. Colloid Chem. 51, 826.

117. Kast, W. (1931). Z.Krist, 79, 146.

118. Bhide, B.V. and Bhide, R.D. (1938). Rasayanam 1, 121.

119. Ornstein, L.S., Kast, W. and Bouma, P.J. (1932). Proc. Acad.Sci. Amsterdam. 35, 1209.

120. Marinin, V. and Tzvetkov, V. (1939). Acta Physicochim. U.R.S.S. 11, 837 (in German).

121. Maier, W. (1947). Z.Naturforsch. 2A, 458.

122. Funt, B.L. and Mason, S.G. (1951). Canad.J. Chem. 29, 848.

123. Maier, W., Barth, G. and Wiehl, H.E. (1954). Z.Elektrochem. 58, 674.

124. Marinin, V. and Tzvetkov, V. (1949). Chem.Abs. 43, 3675; (1948). Zhur. Eksptl. Theoret. Fiz. 18, 641.

125. Mauguin, C. (1911). Compt.rend. 155, 1680.

126. Foex, G. (1929). J.Phys.radium. 10, 421; (1933). Trans. Faraday Soc. 29, 958.

127. Tzvetkov, V. and Sosnovskii, A. (1943). Acta Physicochim. (U.R.S.S.) 18, 358; (1943). J.Exptl.Theoret.Phys. (U.S.S.R.) 13, 353.

128. Dewar, M.J.S. and Schroeder, J.P. (1964). J.Amer.Chem. Soc. 86, 5235.

129. Vorlander, D. (1938). Ber. 71B, 501.

130. Jaeger. (1906). Rec. Trav.Chim. 25, 334.

131. Gray, G.W. (1956). J.Chem.Soc. 3733.

132. Gray, G.W. and Jones, B. (1954). J.Chem.Soc. 1467.

133. Weygand, C. and Gabler, R. (1939). Naturwiss. 27, 28; (1938). Ber. 71B, 2309; (1940). J.prakt. Chem. 155, 332.

134. Gray, G.W. and Jones, B. (1954). J.Chem.Soc. 2556.

135. Gray, G.W., Hartley, J.B. and Jones, B. (1955). J.Chem.Soc. 1412.

136. Gray, G.W., Hartley, J.B., Ibbotson, A. and Jones, B. (1955). J.Chem.Soc. 4359.

137. Gray, G.W., Jones, B. and Marson, F. (1956). J.Chem.Soc. 1417.

138. Gray, G.W., Jones, B. and Marson, F. (1957). J.Chem.Soc. 393.

139. Gray, G.W. and Ibbotson, A. (1957). J.Chem.Soc. 3228.

140. Gray, G.W., Byron, D.J., Ibbotson, A. and Worrall, B.M. (1963). J.Chem.Soc. 2246.

141. Branch, S.J., Byron, D.J., Gray, G.W., Ibbotson, A. and Worrall, B.M. (1964). J.Chem.Soc. 3279.

142. Gray, G.W. (1962). "Molecular Structure and the Properties of Liquid Crystals". (Academic Press. London and New York.) (a)137; (b)169-175.

143. Virchow, R. (1854). Virchow's. Arch.pathol.Anat.u. Physiol. 6, 562.

144. Muralt, A.L. von, and Edsall. J.T. (1930). Trans. Faraday Soc. 26, 837.

145. Rosenheim, O. (1914). Biochem. J. (London), 8, 110,121.

146. Rinne, F. (1930). Naturwiss. 18, 837.

147. Schmidt, W.J. (1928). Naturwiss. 16, 900.

148. Ambrose, E.J. (1956). "Progress in Biophysics and Biophysical Chemistry" edited by Butler, Vol. 6, p. 26. Pergamon Press, London and New York.

149. Bowden, F.C., Pirie, N.W., Bernal, J.D. and Funkuchen, I. (1936). Nature 138, 1051.

150. Lauffer, M.A. and Stanley, W.M. (1938). J.Biol.Chem. 123, 567.

151. Bowden, F.C. and Pirie, N.W. (1937). Nature, 139, 546.

152. Bowden, S.T. (1938). "The Phase rule and Phase reactions". (MacMillan and Co.Ltd.,London). p.283.

153. Schenck,R. (1898). Z.phys.Chem. 25, 337; (1899). 29, 546.

154. Bogojawlensky,A. and Winogradow,N. (1908). Z.phys.Chem. 64, 229.

155. Vorlander,D. and Gahren,A. (1907). Ber. 40, 1966.

156. Walter,R. (1925). Ber. 58, 2303.

157. Dave,J.S. and Lohar,J.M. (1959). Chem.Ind. 597.

158. Prins,A. (1909). Z.phys.Chem. 67, 689.

159. Dave,J.S. and Dewar,M.J.S. (1954). J.Chem.Soc. 4616.

160. Dave,J.S. and Dewar,M.J.S. (1955). J.Chem.Soc. 4305.

161. Dave,J.S. and Lohar,J.M. (1960). Proc.Nat.Acad. Sci. (India) 29A, Part I, 35-38; (1960) 29A, Part III, 260-267; (1962) 32A, Part I, 105-110.

162, Vogel,A.I. (1956). A Text-book of Practical Organic Chemistry (Third edition) ; Longmans, Green and Co. London, New York. (a) p. 288 (b) p. 1000.

163. Hildesheimer,A. (1901). Monatsh.Chem. 22, 497.

164. Stoermer,R. and Wodarg,F. (1928). Ber. 61B, 2323.

165. Weygand,C. and Gabler,R. (1940). J.prakt.Chem. 155, 332.

166. Weygand,C. and Gabler,R. (1938). J.prakt.Chem. 151, 215.

167. Spiegel,L. and Sabbath,S. (1901). Ber. 34, 1937.

168. Reiss, (1870). Ber. 3, 780.

169. Gutekunst,G.O. and Gray,H.L. (1922). J.Amer.Chem.Soc. 44, 1742.

170. Richter,W. (1901). Ber. 34, 4293.

171. Ullmann,F. (1903). Ber. 36, 1017.

172. Lowy,A. and King,C.G. (1921). J.Amer.Chem.Soc. 43, 627.

173. Ingold,C.K. and Piggott,H.A. (1922). J.Chem.Soc. 121, 2803.

174. Senior,A. and Foster,R.B. (1915). J.Chem.Soc. 107, 1168.

175. Lohar,J.M. (1961). Ph.D.Thesis, M.S.University of Baroda. 85.

176. Law,H.D. (1912). J.Chem.Soc. 101, 154.

177. Krohnke,F. (1938). Ber. 71B, 2583-93.

178. Elliott,W.J. (1898). J.Chem.Soc. 73, 147.

179. Vorlander,D. (1906). Ber. 39, 805.

180. Gray,G.W. (1953). Nature, 172, 1137.

181. Wiegand,C. (1957). Z.Naturf. 12B, 512.

182. Wayne,E.J. and Cohen,J.B. (1925). J.Chem.Soc. 127, 460.

183. Maier,W. and Baumgartner,G. (1952). Z.Naturf. 7a, 172.

184. Maier,W. (1947). Z.Naturf. 2a, 458.

185. Weygand,C. and Gabler,R. (1938). Ber. 71B, 2399.

186. Gabler,R. (1939). Dissertation, Leipzig.

187. Völd,M.J. (1941). J.Amer.Chem.Soc. 61, 808.

188. Mlodziejowski,A. (1923). Z.phys. 20, 317.

189. Walter,R. (1926). Ber. 59, 962.

190. Mlodziejowski,A. (1928). Z.phys.Chem. 135, 129.

191. Vorlander,D. and Ost,K. (1938). Ber. 71B, 1688.

192. Weygand,C. and Gabler,R. (1939). Z.phys.Chem. 44B, 69.

193. Du Pont,G. and Lozac'h, O. (1945). Compt.rend. 221, 751.

194. Du Pont,G. and Lozac'h, O. (1946). Bull.Soc.Chem. France, Mem. 525.

195. Arnold,H. and Seckmann,H. (1960). Z.phys.Chem. 213, 137; (1959). Z.Elektrochem. 63, 1171.