

REFERENCES

1. Wilhelmy L.,
Pogg. Annalen, 81, 413 (1850)
2. Arrhenius S.,
Z. Phy. Chem., 4, 226 (1889)
3. Berthelot, M. and L.P. St. Gilles,
Ann. Chim. et. Phys, (3) 63, 385 (1862)
4. Guldberg C.M. and Waage P.,
Etudes Sur les affinities Chimique,
Brogger and Christie, Christiana (1867)
5. Latimer W.H.,
'The oxidation states of elements and their
potentials in aqueous solutions,'
Prentice Hall, New York, N.Y. P.78 (1952)
6. Marshall H.,
J. Chem. Soc., 59, 771 (1891)
7. House D.A.,
Chem. Rev., 62, 185 (1962)
8. Wilmarth W.K. and Haim A.,
Mechanism of oxidation of Peroxydisulphate
in peroxide reaction mechanism'
J.O. Edwards John Willey, New York,
P.175-225 (1961)
9. Elbs K. and Schonherr,
Z. Electrochem., 1, 468 (1895)
10. Caro H.,
Z. Angrew Chem., 845 (1898)
11. Levi M.G. and Migliarini E.,
Gazette, 36 (11), 599 (1906)
12. Green L. and Masson O.,
J. Chem. Soc., 97, 2083 (1910)

13. Kalian A. and Olbrich L.,
Montash, 47, 449 (1927)
14. Bartlett P.D. and Cotman J.D.,
J.Am.Chem.Soc., 71, 1419 (1949)
15. Rius A. and Zuleta C.,
An.real Soc. exp. Fis.Quim., 46, 79 (1950)
16. Kolthoff I.A. and Miller I.K.,
J.Am.Chem.Soc. 73, 3055 (1951)
17. Bawn C.E.H. and Margerison D.,
Trans.Far.Soc., 71, 1419 (1949), ; ibid; 51, 925 (1955)
18. Srivastava S.P. and Ghosh S.,
Z.Phys.Chem., 202, 191 (1953); ibid, 205, 332 (1956),
ibid, 207, 161 (1957)
19. Eager R.L. and MacCallum K.J.,
Can.J.Chem. 32, 692 (1954)
20. Tsao, Massk-Sang and Wilmarth W.K.,
J.Phys.Chem. 63, 346 (1959)
21. Yost D.M. ,
J.Am.Chem.Soc. 48, 152 (1926); ibid, 48, 374 (1926)
22. Franchuk I.P.,
Ukr.Khim.Zh., 29, 1272, (1963)
23. Morgan K.J.,
Quat.Rev., 8, 129 (1954)
24. Meretoja A.,
Ann.Acad.Sci., Fennicae Ser.A.,
II Chem.No.24, 59 (1947)

25. King C.V. and Jette E.,
J. Am. Chem. Soc., 51, 1034 (1929)
26. Kiss A. and Zombory L.,
Rec. Trav. Chim., 46, 225 (1927)
27. Price T.S.,
E. Phys. Chem., 27, 474 (1898)
28. Moeass P.C. Jr. and Petrucci R.H.,
J. Chem. Soc., 41, 549 (1964)
29. King C.V. and Jacobs M.B.,
J. Am. Chem. Soc., 53, 1704 (1931)
30. Kiss A.,
Rec. Trav. Chim., 48, 509 (1929)
31. Kiss A. and Bossanyi, J.,
Z. Physik. Chem., 134, 26 (1928)
32. Kiss A. and Bossanyi J.,
Rec. Trav., Chim., 47, 619 (1928)
33. Kiss A. and Bossanyi J.,
Acta. Sci., Univ. Fransisco Josephine,
Acta. Chem. Mineral Physics, 1, 59, (1929)
34. Kiss A. Bossanyi J. and Uranczy A.,
Acta Lit. Sci. Univ. Hung. Francisco-Josephine,
Sect. Chem. Mineral Phys., 2, 210 (1932)
35. Brönsted J.N.,
Z. Physik. Chem. 102, 191 (1922)
36. Carassiti V. and Dejak C.,
Boll. Sci. Fac. Chem. Ind. Bologna, 15, 63 (1959)
37. Carassiti V. and Dejak C.,
Ann. Chim. (Rome), 49, 233 (1959);
ibid, 49, 1718 (1959)

38. Howelle W.J.,
J.Chem.Soc.463(1939);
ibid,641(1941); ibid,203 (1946)
39. Indelli A. and Prune J.E.,
J.Chem.Soc. 107 (1959)
40. Rolla M. and Carassiti V.,
Boll.Sci.Fac.,Chem.Ind.Univ.Bologna 7,37 (1949)
41. Indelli A. and Amis E.S.,
J.Am.Chem.Soc.,82, 333 (1960)
42. Lyubimova V.A.,
Isv.Vysshikh Uchebn,Zavedenij Khim.,
1,Khim.Technol,6, 49 (1963)
43. Kolthoff I.M.,Medalia A.I. and
Raon,N.C.,
J.Am.Chem.Soc.,73, 1733 (1951)
44. Srivastava S.P. and Gupta J.C.,
Proc. Nat. Acad.Sci.India,33A,Pt.II,221 (1963)
45. Srivastava S.P. and Gupta J.C.,
Z.Physik.Chem.(Leipzig),227,152 (1964)
46. Stehlik B. and Nedbalkova J.,
Collection (Zech.Chem.Communi.,31,2260(1966)
47. Yost D.M.,
J.Am.Chem.Soc.,48,152 (1926);
ibid,48, 374 (1926)
48. Yost D.M. and Claussen W.,
J.Am.Chem.,Soc.,53,3349 (1931)
49. Yost D.M., Levy H.A. and Dekker A.Q,
59,2129(1937)
50. Malaguti A.,
Ann.Chim.(Rome), 42, 138 (1952)

51. Csanyi L.J. and Solyani F.,
Acta Univ. Szegedienisis,
Acta.Phy.et.Chem. 5, 34 (1959)
52. Gupta Y.K. and Ghosh S.,
J.Inorg.Nucl.Chem., 9, 178 (1957)
53. Higginson W.C. and Marshall J.W.,
J.Chem.Soc., 447 (1957)
54. Beckier E. and Kijowski W.,
Rocz.Chem.14, 1004 (1934),
ibid; 15, 136 (1935)
55. King C.V.,
J.Am.Chem.Soc. 49, 2697 (1927);
ibid, 50, 2089 (1928)
56. Srivastava S.P. and Ghosh S.,
Proc.Nat.Acad.Sci., India, 22, Sec.A,
Pt.IV-VI, 91 (1953)
57. Mushran S.P., Shinghal R.K. and
Agrawal M.C.,
Z.Phys.Chem. (Frankfurt), 60, 34 (1968)
58. Mushran S.P., Shinghal R.K. and
Mehrotra U.S.,
Proc.Nat.Acad.Sci. India, 39, Sec.A, Pt.I, 73 (1969)
59. Mushran S.P., Agrawal M.C. and
Shinghal R.K.,
Z.Phys.Chem. (Frankfurt), 62, 112 (1968)
60. ^{R.L.} Eager and Winkler C.A.,
Can.J.Res., B, 26, 527 (1948)
61. Kolthoff, I.M. and Miller I.K.,
J.Am.Chem.Soc., 73, 5118 (1951)
62. Larson E.,
Trans.Chalmers Univ.Tech.Göthenberg,
87, 23 (1949)

63. Levit L.S. and Howard E.,
J. Am. Chem. Soc., 75, 6170 (1953)
64. Bartlett P.D. and Nozaki K.,
J. Polymer, Sci. 3, 216 (1948)
65. Evans M.G. and Baxendale J.M.,
Trans. Far. Soc., 42, 195 (1946)
66. Smith W.V. and Campbell H.N.,
J. Chem. Phys., 15, 338 (1947)
67. Riggs J.P. and Rodriguez F.,
J. Polymer Sci. Part A-1, 5, 3151 (1967)
68. Subraman L.R. and Santappa M.,
Z. Physik. Chem., 48, 172 (1966)
69. Srivastava S.P. and Khulbe K.C.,
Proc. Nat. Acad. Sci. (India) Sec. A.,
32, Pt. 1, 60 (1962); *ibid*; Sec. A., 30,
Pt. 1, 117 (1961); *ibid*, Sec. A., 34, Pt. 1, 32, (1964)
70. Srivastava S.P. and Khulbe K.C.,
Agra Univ. J. Res. (Sci.), 9, 177 (1960);
ibid; 14, 85 (1965)
71. Bacon R.G.R., Hanna W.J.W. and
Stewart D.,
J. Chem. Soc., 1384 (1966)
72. Srivastava S.N. and Chandra G.,
Bull. Chem. Soc. (Jap.), 44, 3008 (1971)
73. Srivastava S.N. and Chandra G.J.,
J. Inorganic and Nucl. Chem., 34, 197 (1972)
74. Beileryan N.M. and Chaltykyan O.A.,
Dokt. Akad. Nank. Arm. S.S.R., 31, 147 (1960)
75. Boyland E., Manson D. and Sims P.,
J. Chem. Soc. 3823 (1953)

76. Boyland E. and Sims P.,
J.Chem.Soc., 980 (1954)
77. Sims P.,
J.Chem.Soc., 44, (1958)
78. Boyland E. and Sims P.,
J.Chem.Soc., 4198 (1958)
79. Behraman E.J.,
J.Am.Chem.Soc., 89, 2424 (1967)
80. Venkatasubramanian N. and
Sabesan A.,
Can.J., Chem. 47, (19), 3710 (1969)
81. Srivastava S.P. and Gupta R.C.,
Ind.J.Chem., 91 (11), 1303 (1971)
82. Srivastava S.P. and Gupta R.C.,
Zeit.Physik, Chem., 8, (1974)
83. Srivastava S.P., Gupta R.C. and
Shukla A.K.,
Ind.J.Chem.Sect.A, 15A (7), 605 (1977)
84. Babu J.Shreekanta, Joshi K.,
Veena Bhattacharya, A.K.,
Z.Phys.Chem.(Leipzig) 258(4) (1977)
85. Reddy M.G. Ram, Sethuram B.,
Rao T.Navaneeth,,
Ind. J.Chem.Sec. A, 16A(7), 591 (1978)
86. Reddy M.G.Ram, Sethuram B.,
Rao T.Navaneeth,
Ind.J.Chem.Sec.A, 17(A) , 378 (1979)
87. Srivastava S.P., Mathur B.B.,
J.Ind.Chem.Soc., 56(10), 991 (1979)

88. Levitt L.S. and Malinowski E.R.,
J. Am. Chem. Soc., 77, 4517 (1955);
ibid; 80, 5334 (1958)
89. Subraman L.R. and Santappa M.,
Current Sci. (India), 33, 208 (1964)
90. Subraman L.R. and Santappa M.,
Z. Physik Chem. (Frankfurt), 48, 163 (1966)
91. Venkatsubramanian N. and Sabesan A.,
Current Sci. (India), 36, 632 (1967)
92. Gallopo A.R.,
Diss. Abs. 28(B), 3204 (1968)
93. John E.M. and Edwards J.O.,
J. Org. Chem., 34, 2565 (1969)
94. Mishra D.D. and Ghosh S.,
Proc. Nat. Acad. Sci. (India),
Sec. A, 31 Pt II, 119 (1965)
95. Srivastava S.P. and Bisht S.S.,
Ph.D. Thesis submitted to Agra University (1970)
96. Khulbe K.C. and Srivastava S.P.,
Agra University J. Res. (Sci), India, 125 (1965)
97. Stehlik B. and Faila F.,
Chem. Zvesti, 20(2), 97 (1966)
98. Edward J.O., Andrew R.G. and
John E.M.,
J. Am. Chem. Soc., 88 (16), 3891 (1966)
99. Bakore G.V. and Menghani G.D.,
Z. Phys. Chem., 61, 220 (1968)
100. Bakore G.V. and Menghani G.D.,
Ind. J. Chem., 7, 786 (1969)

101. Khan M.M. and Srivastava S.P.,
J.Ind.Chem.Soc., 46(6), 574 (1969)
102. Bakore G.V. and Menghani G.D.,
Bull. Chem.Soc.(Japan), 41, 2574 (1968)
103. Mishra D.D. and Ghosh S.,
J.Ind.Chem.Soc., 41(6), 402 (1964)
104. Srivastava S.P., Sharma R.G.,
Singhal S.K.,
J.Ind. Chem.Soc., 53(7), 725 (1976)
105. Singh R.N., Singh L.N. and
Singh H.S.,
Ind. J. Chem. Sec.A, 15A(1), 40(1977)
106. Srivastava S.P. and Kumar Anil,
Ind. J. Chem., Sec. A., 15A, (12), 1114 (1977)
107. Bakore G.V. and Menghani G.D.,
Current Sci., (India), 37, 641 (1968)
108. Singh R.N.,
Acta.Cienc.Indica, 3(4), 320(1977)
109. Gupta J.C., Maheshwari M.K.,
Srivastava S.P., Kumar Anil,
Ind. J. Chem. Sec. A, 18A(1), 31 (1979)
110. Srivastava S.P., Gupta V.K.,
Sharma R.C., Singh B.P.,
Ind.J.Chem.Sec. A, 20A(12), 1221 (1981)
111. Srivastava S.P., Gupta V.K. and
Kumar Anil,
Rev.Roum.Chim., 26(7), 939 (1981)
112. Srivastava S.P. and Laxmi Dutta
Ind.J.Chem., 9, 950 (1971)

113. Srivastava S.P. and Laxmi Dutt,
Ind. J. Chem., 11, 18 (1973)
114. Behraman, E.J. and Walker P.P.,
J. Am. Chem. Soc., 43, 343 (1966)
115. Bacon R.G.R. and Munro D.J.,
J. Chem. Soc., 268, 1339 (1960)
116. Elbs K.,
J. Prakt. Chem., 48, 179 (1893)
117. Behrman E.J. and Walker F.Pl,
J. Am. Chem. Soc., 84, 3454 (1962)
118. Baker W. and Brown N.C.,
J. Chem. Soc., 2303 (1948)
119. Behrman E.J.,
J. Am. Chem. Soc., 85 (21), 3478 (1963)
120. Srivastava S.P., Sharma L.D.,
Gupta R.C.,
Ind. J. Chem., 13(9), 978 (1975)
121. Sethna S.M.,
Chem. Revs., 49, 91 (1951)
122. Panigrahi G.P., and Panda Radhashyam,
Ind. J. Chem., Sec. A, 15 (A) (12), 1070 (1977)
123. Srivastava S.P. and Ghosh S.,
Z. Phys. Chem., 211, 148 (1959)
124. Kappana A.N.,
Z. Physik., Chem., 205, 47 (1956)
125. Gupta Y.K., and Nigam R.K.,
J. Ind. Chem. Soc., 37, 125 (1964)

126. Chaltykyan O.A., Beileryan N.M.,
and Gukasyan T.T.,
Isv. Akad. Nank.Arm. S.S.R.,
Khim. Nanki., 17, 14(1964)
127. Kumar K. and Saxena L.K.,
J.Ind. Chem. Soc., 44, (7), 612 (1967)
128. Saxena L.K. and Singhal C.P.,
J.Ind. Chem. Soc., 38, 346(1961)
129. Srivastava S.N. and Vasudeva W.C.,
Z.Physik. Chem., 225, 63(1964)
130. Mishra D.D. and Ghosh S.J.,
J.Ind. Chem. Soc., 41(6), 397(1964)
131. Bakore G.V. and Joshi S.N.,
Current Sci. (India), 37, 346(1968) and
Z.Physik.Chem. , 229, 250 (1965)
132. Venkatsubramanian N. and Sabesan A.,
Tetrahedron letters, 40, 4919 (1966)
133. Mhala M.M. and Iyer R.V.,
Ind. J. Chem., 3(12), 568 (1965)
134. Anderson J.M., and Kochi J.K.,
J.Am. Chem. Soc., 92(6), 1951(1970)
135. Allen T.L. and Po H.N.,
J.Am.Chem.Soc., 90, 1127(1968)
136. Allen T.L.,
J.Am.Chem. Soc., 73, 3589(1951)
137. Bhakuni R.S. and Srivastava S.P.,
Z.Physik.Chem., 210, 246 (1959)
ibid; 213, 129 (1960)

138. Senger H.G.S. and Gupta Y.K.,
Ind. J. Chem. 6, 119 (1968)
139. Saxena L.K. and Singhal C.P.,
Z. Physik. Chem. , 211, 1161 (1959)
140. Srivastava S.P. and Ghosh S.,
Z. Physik. Chem., 205, 332 (1956)
141. Kemp R, Ber., 38, 3965 (1905)
142. Allen T.L. and Benzvi E.B.,
J. Am. Chem. Soc., 83, 4352 (1961)
143. Saxena L.K. and Singhal C.P.,
Agra, Univ. J. Res. (Sci.), 6, 43 (1957)
144. Allen T.L. and Kalb A.J.,
J. Am. Chem. Soc., 86, 5107 (1964)
145. Agrawall S.C., Chandra G.,
Jha S.K.,
Bull. Soc. Chim. Belg., 86(5) 383 (1977)
146. Radhakrishnamurti P.S., Swamy B.R.K.,
Ind. J. Chem., Sec. A, 15A(2), 1115 (1977)
147. Singh R.N., Singh L.N. and Singh H.S.,
Ind. J. Chem. Sec. A., 15A(12), 1118(1977)
148. Malhotra S.P. and Saxena L.K.,
J.Ind. Chem. Soc., 55(2), 126 (1978)
149. Vasudeva W.C., Suliman M.R. and
Hossady A.,
J.Inorgn. Nucl. Chem., 40(9), 1705(1978)
150. Vasudeva W.C., Shefif Z. and
Hossady A.,
Libyan J. Sci., 7B, 27 (1977)

151. Vasudeva Wazir C. and Suliman M.R.,
Z.Phys. Chem., (Leipzig), 260(1),27(1979)
152. Hambir Singh, Verma L.R. and
Kansal B.D.,
J.Ind.Chem. Soc., 55(1), 37(1979)
153. Agrawal S.C., Chandra G. and Jha S.K.,
J.Inorg.Nucl.Chem., 41(6), 899(1979)
154. Agrawal S.C., Pal R.S. and
Agarwal V.B.,
Bull.Soc. Chim. Fr. (1-2,pt.1),43 (1979)
155. Agrawal S.C., Singh Mahabir and
Agrawal V.B.,
Chem., Era., 15(11), 14(1979)
156. Agrawal S.C. and Saxena L.K.,
J.Inorgn.Nucl.Chem., 42(6), 932(1980)
157. Hambir Singh, Prasad Mahesh,
Saxena S.C. and Kansal B.D.,
J. Chin.Chem. Soc., (Taipei),27(3),119(1980)
158. Meyerstein Dan,
J.Inorgn Nucl. Chem.,43(2),401 (1981)
159. Vasudeva Wazir Chand, Sherif Zeinab,
Hamid, Abdul and Suliman Monim Rauf.,
Ann. Chem. (Rome), 70(9-10),471(1980)
160. Hambir Singh, Goel R.N., Verma L.R.,
Acta. Cienc., Indica, 8(2),95(1982)
161. Srivastava S, P., Mehrotra R.N. and
Shukla A.K.,
J.Ind. Chem.Soc., 54(8),799(1977)
162. Murty P.S.N., Rao P.V. Subba,
J.Ind. Chem.Soc. ,54(11),1043 (1977)

163. Arumugam N., Srinivasan C.,
Kuthalingam P.,
Ind. J. Chem., Sec. A., 16(6), 478(1978)
164. Srinivasan C., Kuthalingam P. and
Arumugam N.,
Can. J. Chem., 56(24), 3043(1978)
165. Prakash Aditya, Mehrotra Raj Narayan,
Kapoor R.C.,
Ind. J. Chem., Sec. A, 17A(2), 157 (1979)
166. Reddy M.G., Ram Sethuram B.,
Rao T. Navneeth,
Ind. J. Chem., Sec. A, 19A(3), 263 (1980)
167. Srivastava S.P., Kumar Anil,
Mittal Adarsh K.,
Ind. J. Chem. Sec. A, 17(A)(6), 593 (1979)
168. Kadam S.D., Sulunkhe M.M., Jagadale M.M.,
Acta. Cienc. Indica, 5(3), 121 (1979)
169. Hambir Singh, Chauhan K.S.,
Rathi Umesh Kumar,
J. Ind. Chem. Soc., 57(8), 809 (1980)
170. Qaiser Anees , Nand K.C.,
J. Sci. Res. (Bhopal, India), 2(2), 121 (1980)
171. Mushran S.P. and Agrawal M.C.,
J. Ind. Chem. Soc., 42(9), 629(1965);
ibid; 43, 343 (1966)
172. Srivastava S.P. and Hambir Singh ,
J. Ind. Chem. Soc., 48(8), 725 (1971)
173. Srivastava S.P. and Hambir Singh,
Ind. J. Chem. VI, 14A(9), 667 (1976)
174. Srivastava S.P., Hambir Singh and
Anil Kumar,
52(5), 404 (1975)

175. Vasudeva Wazir C., Wasif Saad,
Libyan J. Sci., 3, 25 (1973)
176. Sankpal S.G., Patil J.B. and
Jagadale M.H.,
Sci. J. Shivaji Univ. (India), 15, 157 (1975)
177. Sankpal S.G. and Jagadale M.H.,
Acta Cienc., Indica, 5(4), 157 (1979)
178. Sankpal S.G. and Jagadale M.H.,
Sci. J. Shivaji Univ. (India), 17, 73 (1977)
179. Sankpal S.G., Patil Nandini and
Jagadale M.H.,
Sci. J. Shivaji Univ. (India.), 17, 67 (1977)
180. Sankpal S.G. and Patil, S.S.,
Sci. Shivaji Univ. (India), 20, 1 (1980)
181. Sankpal S.G., Patil Nandini,
Patil S.S.,
Sci. J. Shivaji Univ. (India), 20, 7, (1980)
182. Sankpal S.G., Patil Nandini, Patil S.S.,
Sci. J. Shivaji Univ., (India), 20, 17 (1980)
183. Szabo Z.G., Csanyi L. and Galiba H.,
Z. Anal. Chem. 135, 269 (1952)
184. Vant Hoff' J.H.
'Etudes de dynamique', F Muller and Company
'Amsterdam', P. 87 (1884)
185. Bronsted J.N.,
Z. Physik. Chem. 102, 169 (1922)
186. Kolthoff I.M., Meehan E.J. and
Karr E.M.,
J. Am. Chem. Soc., 75, 1439 (1953)
187. Wiberg K.B.,
J. Am. Chem. Soc., 81, 252 (1959)

188. Ball D.L., Crutchfield M.M. and Edward J.O.,
J. Org. Chem., 25, 1599 (1960)
189. Feigl Fritz,
'Spot Test in Organic Analysis',
Elsevier Pub, Co., London (1972)
190. Evans M.G. and Polanyi M.,
Trans. Faraday Soc., 31, 875 (1935);
ibid, 33, 448 (1937)
191. Eyring H.,
J. Chem. Phys., 3, 107 (1935)
192. Pelser H. and Wigner E.,
Z. Physik. Chem., 15, 445 (1932)
193. Wynne-Jones W.F.K. and Eyring H.,
J. Chem. Phys., 3, 492 (1935)
194. Eyring H.,
Chem. Revs., 17, 65 (1935)
195. Frost A.A. and Pearson R.G.,
'Kinetics and Mechanism',
J. Willey and Sons, New York, P.98 (1953)
196. Postmus C. and King E.L.,
J. Phy. Chem., 59, 1216 (1955)
197. Benson S.W.,
'The Foundation of Chemical Kinetics',
McGraw Hills Publication P. 591 (1960)
198. Amis E.S.,
'Solvent effects on reaction rates and
mechanism', Acad. Press., New York and
London (1966)
199. Scatchard G.,
Chem. Rev., 10, 229 (1932)
200. Laidler K.J. and Eyring H.,
Ann., N.Y. Acad. Sci., 39, 303 (1940)

201. Bronsted J.N.,
Z. Physik, Chem., 115, 333 (1925)
202. Bjerrum N.,
Z. Physik. Chem., 108, 82 (1925),
ibid; 118, 251 (1925)
203. Christeanean J.A.,
Z. Physik. Chem., 113, 35 (1924)
204. Uri N.,
Chem. Revs., 50, 375 (1951)
205. Haber F. and Weiss,
J. Proc., Roy. Soc., 147, 332 (1934)
206. Bacon R.G.R., Grime R. and
Munro D.J.,
J. Chem. Soc., 2275 (1954)
207. Levitt L.S.,
J. Org. Chem., 20, 1297 (1955)
208. Rieseboos F.c. and Aten A.W.H.,
J. Am. Chem. Soc., 74, 2440 (1952)
209. Chaltikyan O.A. and Beilaryan N.M.,
Izvest. Akad. Nank. Arm. S.S.R., Khim.
Nanki. 11, 13 (1958).

* * * * *