REFERENCES

1. ASTM, Ame. Dyestuff Reptr. 303 (1968).
2. Ciba-Geigy Review, 1 (1976), edt. by Bellington G.Robert (C.G.Ltd.), Basic Dyestuff and Chemical Div.
3. Gold Heinrich in "The Chemistry of Synthetic Dyes", Vol.V, P 537-679 edt. by K.Venkatraman, Academic Press, New York and London, 1971.
4. Bridges,J.W. in Bowen "Luminesce Chem.", Chapter 6, P.77-115, London (1968).
5. Kasha, M.Dis. Faraday Soc. 9, 14 (1950).
6. Bowen,B.J., "Advances in Photochemistry" P.32, Interscience, New York (1963).
7. Lippert,E., Lader,W. and Moli,F., Spectrochim acta, 10, 858 (1959).
8. Van Durren B.L., J. Org. Chem. 26, 2954 (1961).
9. Van Durren B.L., Chem. Revs. 63, 325 (1963).
10. Sarkar,A.K., "Fluorescent Whitening Agents", Walford Merrow (1971).
11. Zweidler,R. and Hansermann,H. "Kirk othmer Encyclopedia of Chemical technology" Vol.3, p.737 (1964), vol.19, p.13 (1964).
12. Kleiberk,C.G. Review 2, 41 (1971).
13. Eckhardt,C. and Heft,H., J.S.D.C. 87, 365 (1971).
14. Ander and Daul, J.Am.Oils, Chem. Soc., 48, 80 (1971).
15. Findly,W.R. and Siens by P.S.Soap Cosmet Chem. Spec. 48(10), 52 (1972).

16. Barton,D., Review of Progress in Colouration 5, 3 (1974).

17. Takano, Akishiro, Senryo to Yakuhin, 15(1), 9(1970) C.A.72, 12268 K.

18. Ahamatsu,T. and Matsuo,M. Senryoto Yakuhin 17(2), 43(1922).

19. Konishi, Kenzo, Marayama, Takehito and Hirano Masatosh, Senshoku Kogyo, 16(10), 577(1968), C.A.70, 58892 d.

20. Wagner, Annemarie, Natur Weissen Schaffen 55(11), 533 (1968); C.A.70, 48602 V.

21. Hemingway, Eric. Rep. Progress Appl. Chem. 54, 150 (1969); CA 74, (193) 38 g.

22. "Fluorescent Whitening Agents" DiGio-vaneoel,G. and van Rutte,B., Invest Inform. Textile, Tensioactivos, (15)(2), 189 (1972).

23. Pafani,N.G., Silk Rayon Ind.India, 13(5), 149(1970); C.A. 73, 999785.

24. Mehendale S.D. and Inamdar,V.E., Textile Dyer and Printer 2(1), 153 (1968), C.A. 72, 12282 W.

25. Chondankar,N.K., Bombay Technology (Univ. of Bombay), India 28, 16 (1978).

26. Rubel,T., "Optical brighteners", Noyes Data Corporation, (NDC), (1972).

27. CSDI p. 268.

28. Stensby,P.S., Chem.Spec. 43, April, 41 (1967).

29. CSDI p. 268.

30. Fluorescence - Theory and Practice, Ed.G.Guilbault, Edward Arnold (1967).

31. A.V.Lagorio-Angewendte Chemie, 34, 585 (1929).

32. K.P.Krais, Melliand Textiberichte, 10, 468 (1929).

33. I.G.Farben industrie A.G., GP 640, 908.

34. ICI, BP 442, 530, USP 2, 089, 413.

35. Ultrazell GmbH, Fr. Pat. 803, 753.

36. Hoffmann Starkefabriken, D.R.P. 765, 901

37. Imperial Chemical Industries BP 442, 530, USP 2, 089, 413.

38. I.G.Farben, D.R.P. 731, 558 and Fr. Pat. 874, 939.

39. Meyer,H., BP 522, 672.

40. Lever Brothers Ltd., BP 567, 716.

41. IG, GP 731, 558.

42. Levers Brothers Ltd., BP 584, 484.

43. GY, BP 595, 065.

44. Idem, BP 773, 152.

45. ICI, BP 624, 052.

46. Idem, BP 637, 769.

47. Idem, BP 645, 413.

48. Idem, BP 704, 974.

49. General Aniline, BP 678, 291.

50. Idem, USP 2, 595, 030.

51. Idem, USP 2, 618, 636.

52. Idem, USP 2, 658, 064-5.

53. Idem, USP 2, 660, 578.

54. Idem, USP 2, 666, 052.

55. Idem, USP 2, 700, 665.

56. FBY, BP 695, 609.

57. Idem, BP 715, 239.

58. Ciba, BP 705, 406.

59. S, BP 760, 082.

60. CCC, USP 2, 671, 784.

61. Ciba, BP 681, 642.

62. Idem, BP 696, 296.

63. Idem, BP 696, 357.

64. DH, FB1, 116, 007.

65. General Aniline, USP 2, 708, 801.

66. Idem, USP 2, 713, 046.

67. GY, BP 719, 842 (USP 2, 762, 802).

68. Idem, BP 654, 028.

69. U.S.Tariff Commission Synthetic Org.Chemicals. U.S.Production and Sales 1955 (Report No. 198), p.24.

70. Snell,F.D. Ind.Eng.Chem., 50, 42A (Jan.1958).

71. Weggeman,P.J. Soap and Chemical Specialities 41,75,76, 86 (1965).

72. Chemical and Engineering News 43, 37-38 (1965).

73. P.Pfeiffer and S.Sergiewskaja, Ber. 44, 1110 (1911).

74. O.Fischer and E.Hepp, Ber. 26, 2232 (1893).

75. F.Bell and D.W.Warning, J.Chem.Soc. P.1025 (1948).

76. W.G.Toland Jr., J.Am.Chem.Soc. 75, 2263 (1953) California Res. Corp. USP 2, 610, 191.

77. G.N.Lewis, T.T.Masel and P.Lipkin, J.Am.Chem.Soc. 62, 2973 (1940).

78. H.Theidel, Melliand Textilber, 514 (1964).

79. V.G.Bocharov, Zavodsk Lab. 28, 1454 (1962), CA 59, 9470 g (1963).

80. See Theidel[78]

81. Serullas, Annales declimie et.de physique, 1825-29[2],38, 370, Annalender Physik and Chemie 1828, 14, 493 [Fiber reactive Dyes - W.F.Beech].

82. Liebig,J.V. Annulene der physics and Chemie 1829, 15, 359, 622.

83. J.Am.Chem.Soc. Aug.1948, Vol.70, P 2803.

84. Zweidler R. and Hansermann H. "Kirk Othmer Encyclopedia of Chemical Technology", vol.3, p. (1964) vol.19 p.13(1964).

85. Singh,R.N. Acta, Ciencid, Indica, vol.3, No.4, 320 (1977).

86. See the application of fluorescent brightening agent Section IX.

87. J.Ruznak and A.Szekely, Melliand Textiber, 42,923(1961).

88. See, for example, titration with Cetylpyridinium chloride (M.Ernste and J.S.P. Blumberger, Chem. Weekblad 63,545 (1967) or with $KHnO_4$ [F.Navartil and M.Matrakd, Chem. Pramg 81, 13, 415 (1967); CA 60, 7119 (1964).

89. The production and application of fluorescent brightening agent by Milos Zuhradnik.

90. Barger A. and Modlin,F., J.Am.Chem.Soc. 62, 1079 (1940).

91. Koho JP 5901, 770 [84, 01, 770].

92. Kulkarni B.A., Kelkar V.P. and Kulkarni P.L. Ind. J. Pharm. Sci. 45, 21 (1983).