

Nowadays "fancy" seems to have almost died out as the name of a mental faculty. "Fantasy" has presumably had a related history.

27. See Engell, 1981; Warnock, 1976.

28. 1971 p.494.

29. Coleridge, 1817 chap.V.

30. 1846 pp.286-8.

31. 1981 pp.260-1.

Notes to §I.B.1.

1. It might be objected here that to go to empirical science in order to assess and develop views about the nature and possibility of empirical knowledge is to argue in a circle. However, so long as our purpose is not to try ground empirical science on unshakeable foundations this circularity need not be vicious. On the contrary, it is my fond hope that as we consider the psychological and epistemological issues in close interaction each will throw some fresh light on the other. The epistemology being done here is "naturalized" epistemology as recommended by Quine [1969 chap.3]. Although some of my conclusions, both psychological and epistemological, will be at variance with his, like Quine I do not hope to show that empirical knowledge can be made certain. Nor did Aristotle, as his remarks on the unreliability of imagination/sensus communis attest [De Anima 428a,b; De Sensu 442b].

2. See e.g. Schultz, 1981 pp.56-7.

3. Hume, 1739; Kant, 1781. See Strawson, 1971; Warnock, 1976.

4. Engell [1981] is a detailed, but rather impressionistic and uncritical, recounting of that development.

5. E.g. Shelley, 1821.

6. Coleridge, 1817 (p.167).

7. Haber, 1970. Essentially similar accounts are given by: Holt [1964], A. Richardson [1969 p.ix], Paivio [1971 chap.1], Sheehan [1972 - Preface], Kosslyn [1980 chap.11], J.T.E. Richardson [1980 chap.2], Morris & Hampson [1983 chap.1 §I] and Bugelski [1984], amongst others.

8. Wundt, in Watson [1979 p.128] - original German, 1873.

9. Wundt, in Watson [1979 p.132] - original 1911.
10. Mischel, 1970 pp.11f; Danziger, 1980 pp.244f.
11. Blumenthal, 1975 p.1082; Danziger, 1980; Leahey, 1981.
12. Mischel, 1970 pp.11ff; Danziger, 1980 p.245.
13. Danziger [1980 pp.247-8], Blumenthal [1975 p.1082]. Wundt did have much to say, in his *Völkerpsychologie*, about language, social psychology etc., but he did not attempt to use experiments here:
 Instead, these topics must, he argued, be studied through techniques of historical and naturalistic observation and also of logical analysis. This Wundt did by examining the socio-cultural products of human mental activity, making logical inferences about the underlying processes.
 [Blumenthal, 1975 p.1082].
14. Wundt, in Watson [1979 pp.132-4] - original 1911.
15. Danziger, 1979.
16. Danziger, 1980 p.254.
17. Külpe had looked forward to extending the "experimental" (i.e. introspective) method to all areas of psychology since 1895, during his positivist period [Danziger, 1979 p.213].
18. Humphrey, 1951 pp.52-3.
19. Mayer & Orth, quoted in Humphrey [1951 p.33] - original German, 1901.
20. Humphrey, 1951 p. 33-4. "States of consciousness" is Humphrey's translation of the term.
21. Ach, quoted by Humphrey [1951 p.48] - original German 1905. Ach's notion of these inherently intentional mental contents may not be quite as "imageless" as most accounts would suggest. Apparently he speculated that their physiological basis might lie in a "subexcitation" of neural structures which, when fully excited, would give rise to imagery [Humphrey, 1951 p.50]. Ach's account (as expounded, critically, by Humphrey) seems to me to bear a distinct resemblance to Price's [1953 pp.290-1] speculations as to how "half-baked" images might be able to represent general ideas. Price is defending "the imagist theory of thinking".
22. Humphrey, 1951 pp.55f.

23. See Humphrey [1951 p.55f] and Titchener [1909 chap.IV] for further examples and critical discussion. Apart from Külpe, Bühler's other main observer seems to have been Dürr, who according to Titchener, later doubted the validity of the experiments.

24. See Külpe, in Watson [1979 p.152] - original German 1912.

25. Külpe, in Watson [1979 pp.152-3] - original German, 1912.

26. See e.g. Watson [1913a] - in Shipley [1961 p.804n].

27. In fact workers in Germany seem to have taken very little notice of Titchener's work [Danziger, 1979 p. 255]. Nevertheless, he is important to us as he became very much identified with the cause of imagery and introspection in the U.S.A..

28. Humphrey, 1951 pp.111,115.

29. Danziger, 1980.

30. Wundt, quoted by Titchener [1909 p.79] - original German, 1907.

31. Humphrey, 1951 pp.115,106.

32. E.g. Blumenthal [1975], Danziger [1979, 1980], Mischel [1970]. Mischel [1970 p.17] endorses Humphrey's criticism, but, surely more logically, concludes that psychologists were thus right to reject both forms of introspectionism.

33. Leahey, 1981.

34. Danziger, 1979 pp.205-6.

35. Danziger, 1979; Leahey, 1981 p.276.

36. Titchener, 1909 chap.V.; Humphrey, 1951 pp.119ff.

37. See Humphrey, 1951 pp.120f.

38. 1734 - Introduction §13.

39. Titchener, 1909 pp.17-18.

40. For more detail on this see Titchener, 1909 pp.174f; 1910 §103.

41. Titchener, 1909 pp.18-19.

42. 1951 p.122f.

43. 1979, 1983 p.146.
44. Titchener, 1909 p.19.
45. Titchener, 1910 p.511.
46. Titchener, 1909 p.147.
47. Holt, 1964 p.256.
48. Danziger, 1980 p.256.
49. The classic paper on this is by Orne [1962].
50. Danziger, 1979 pp.222f; Leahey, 1981 pp.279-80.
51. Danziger, 1980.

52. In this later period of his career, during which he was professor at Vienna, Bühler taught and significantly influenced the young Karl Popper [Popper, 1976 §15]. He may also have had a significant influence (perhaps reactive) on the thought of the later Wittgenstein [Toulmin, 1969; Bartley, 1973]. Bloor [1983 §2.5] depicts Wittgenstein's later views as largely a reaction to the imageless thought controversy itself.

53. See Köhler, 1929 chap.3.

54. Koffka, 1935 p.73.

55. See e.g. Wertheimer, "Experimental Studies on the Seeing of Motion" - in Shipley [1961 pp.1084-6] (original German 1912); Köhler, "Physical Gestalten" - in Ellis [1938] (original German 1920); Koffka [1935 pp.53ff.]; Köhler [1940]; Köhler [1971 part 4] (originals 1930, 1957, 1965).

56. See e.g. Köhler, 1929 p.150; Koffka, 1928 pp.252,258-9.

Notes to §I.B.2.

1. 1978 pp.174-5.

2. Holt, 1964 p.255.

3. E.g. Holt [1964], A. Richardson [1969 p.ix], Haber [1970], Paivio [1971 chap.1], Sheehan [1972 - Preface], Kessel [1972], Kosslyn [1980 chap.11], J.T.E. Richardson [1980 chap.2], Morris & Hampson [1983 chap.1 §I] and Bugelski [1984].

4. Holt, 1964 pp.255-6; Beloff, 1977.