

Notes

1 Introduction: Women, Science and Fiction

1. Beer, 1983, p. 3.
2. Haraway, 1992, p. 5.
3. Parrinder, 1980, pp. 70–1.
4. *Ibid.*, p. 70.
5. Griffiths, 1980, p. 22.
6. *Ibid.*, p. 13.
7. The debates that have arisen as a result of attempts to define the genre have also produced some discussion as to whether 'science fiction' is an adequately descriptive term. Consequently 'sf' can also stand for speculative fiction or structural fabulation (see Robert Scholes, *Structural Fabulation*, 1975). The use of the lower case form of the abbreviation is, for some writers, a means of indicating that they are using the conventional term (which must also be distinguished from science fantasy; see note 12). I intend also to follow this convention. The abbreviation will appear in upper case where I quote from writers who have used it in this way.
8. Green and Lefanu, 1985, p. 4.
9. Lefanu, 1988, p. 5.
10. *Ibid.*, p. 7.
11. Parrinder, 1980, p. 2.
12. Joanna Russ offers some examples which help to illuminate the distinction: 'J. R. R. Tolkien writes fantasy. He offends against all sorts of archaeological, geological, paleontological, and linguistic evidence which he probably knows as well as anyone else does'. And: 'American science fiction originated the adventure-story-cum-fairy-tale which most people think of (erroneously) as science fiction. It has been called a great many things, most of them uncomplimentary, but the usual name is Space Opera' (from Russ, 'The Image of Women in Science Fiction' in S. K. Cornillon (ed.), *Images of Women in Fiction: Feminist Perspectives*, pp. 79 and 82).
13. Wolmark, 1994, pp. 1–2.
14. Parrinder, 1980, p. xv.
15. Suvin, 1976, p. 62.
16. Monk, 1980, p. 16.
17. *Ibid.*, p. 18.
18. Csicsery-Ronay Jr, 1991, p. 390.
19. Baudrillard, 1991, p. 312.
20. *Ibid.*, p. 311.
21. Wolmark, 1994, p. 14.
22. *Ibid.*, p. 15.
23. See Chapter 6.
24. Keller (Fox), 1983, p. 138.
25. Beer, 1986, p. 11.

26. Keller (Smith), 1992, p. 29.
27. Beer, 1986, p. 9.
28. Harding, 1992, p. 59.
29. I do not here want to enter into the debate about whether psychoanalysis can properly be called a science nor, for the purposes of this book, do I distinguish between the so called 'natural' and 'social' sciences. Excerpts from essays which discuss the status of psychoanalysis as a science can be found in Stuart Brown, John Fauvel and Ruth Finnegan (eds), *Conceptions of Inquiry*. See in particular Karl R. Popper, 'Conjectures and Refutations', pp. 100–7 and Thomas S. Kuhn, 'The Sciences as Puzzle Solving Traditions', pp. 107–13.
30. Gamble, 1991, p. 47.
31. It was *New Worlds* that published Pamela Zoline's 'The Heat Death of the Universe' (1967), in which entropy invades housewife Sarah Boyle's kitchen, one of the first sf short stories by a woman with a feminist theme (see *New Worlds*, No. 173, July 1967). The story has been republished in Pamela Zoline, *Busy about the Tree of Life*, The Women's Press, London, 1988.
32. Shelley, 1969, p. 6.
33. *Ibid.*, pp. 8–9.
34. *Ibid.*, p. 9.

2 *Herland*: Charlotte Perkins Gilman and the Literature of the Beehive

1. Gilman, 1911, p. 101.
2. Rowbotham, 1992, p. 92.
3. Beer, 1983, p. 17.
4. Gilman, 1911, p. 105.
5. *Ibid.*, pp. 97 and 98.
6. *Ibid.*, p. 105.
7. *Ibid.*, p. 101.
8. *Ibid.*, p. 99.
9. Gilman, 1935, pp. 303–4.
10. Spender, 1983, p. 516.
11. Bowler, 1984, pp. 212–13.
12. Easlea, 1981, pp. 154–5.
13. Bowler, 1984, p. 215.
14. *Ibid.*, p. 271.
15. Hofstadter, 1959, p. 58.
16. *Ibid.*, p. 59.
17. Bowler, 1984, p. 209.
18. *Ibid.*, p. 286.
19. *Ibid.*, p. 284.
20. Rowbotham, 1992, p. 23.
21. *Ibid.*, p. 24.
22. *Ibid.*, p. 89.
23. Gilman, 1966, p. 19.
24. Gilman, 1924, p. 57.

25. Gilman dedicated her book, *Man Made World: or, Our Androcentric Culture* (1911) to Ward. The dedication reads as follows: 'This book is dedicated with reverent love and gratitude to Lester F. Ward sociologist and humanitarian, one of the world's great men; a creative thinker to whose wide knowledge and power of vision we are indebted for a new grasp of the nature and processes of society, and to whom all women are especially bound in honour and gratitude for his gynaeocentric theory of life, than which nothing more important to humanity has been advanced since the theory of evolution, and nothing more important to women has ever been given to the world.'
26. Hofstadter, 1959, p. 76.
27. Ward, 1903, p. 306.
28. *Ibid.*, p. 313.
29. Gilman, 1966, p. 130.
30. Ward's use of conventional vocabulary makes it seem as if he is contradicting his own argument. But it is true to say that, at this point in his evolutionary narrative, women have *become* the 'weaker sex' due to the effects of 'male efflorescence'.
31. Ward, 1913–18, Vol. 4, p. 134.
32. Ward, 1903, p. 314.
33. Gilman, 1966, p. 130.
34. For a discussion of the plausibility of parthenogenesis for the human species, see article entitled 'What is the point of men?' in *The Economist*, 12 December 1987.
35. Gilman, 1966, p. 131.
36. Hill, 1980, pp. 269–70.
37. Gilman, 1966, p. 131.
38. *Ibid.*, p. 32.
39. *Ibid.*, p. 94.
40. *Ibid.*, p. 62.
41. *Ibid.*, p. 189.
42. *Ibid.*, p. 141.
43. *Ibid.*, p. 183.
44. *Ibid.*, p. 317.
45. *Ibid.*, p. 169.
46. *Ibid.*, p. 132.
47. *Ibid.*, p. 138.
48. *Ibid.*, p. 139.
49. *Ibid.*, p. 142.
50. Gilman, 1935, p. 331.
51. Gilman, 1966, p. 94.
52. *Ibid.*, p. 21.
53. Gilman, 1979, p. 78.
54. See Chapter 7.
55. Gilman, 1935, p. 310.
56. Bartkowski, 1989, p. 28.
57. *Ibid.*
58. Gilman, 1979, p. 9.
59. *Ibid.*, p. 21.

60. *Ibid.*, p. 89.
61. Hill, 1980, p. 265.
62. Bartkowski, 1989, p. 28.
63. Spender, 1983, p. 516.
64. Gilman, 1966, p. 145.
65. *Ibid.*, p. 300.
66. Gilman, 1979, pp. 77–8.
67. *Ibid.*, p. 55.
68. *Ibid.*
69. *Ibid.*, p. 56.
70. *Ibid.*, p. 66.
71. *Ibid.*, p. 69.
72. Gilman, 1966, p. 188.
73. *Ibid.*, p. 289.
74. *Ibid.*, p. 288.
75. *Ibid.*, pp. 289–90.
76. *Ibid.*, p. 277.
77. *Ibid.*, p. 189.
78. Gilman, 1924, pp. 46–7.
79. Gilman, 1979, p. 56.
80. *Ibid.*, p. 59.
81. *Ibid.*, p. 76.
82. *Ibid.*, p. 118.
83. *Ibid.*, p. 25.
84. *Ibid.*, p. 26.
85. *Ibid.*, p. 7.
86. *Ibid.*, p. 30.
87. *Ibid.*, p. 28.
88. Howarth, 1973, p. 14.
89. Howarth, 1973, p. 175. Richard Osborne, who has made a study of Sapper's Bulldog Drummond, finds him to have had 'a strong interest' in pretty girls. No entanglements. But he . . . knew enough . . . to look . . . at their feet to see if they were thoroughbreds' (Osborne, 1983, p. 153).
90. Howarth, 1973, p. 175.
91. Gilman, 1979, p. 12.
92. *Ibid.*, p. 16.
93. *Ibid.*, p. 17.
94. *Ibid.*
95. *Ibid.*, p. 8.
96. *Ibid.*, p. 21.
97. *Ibid.*, p. 58.
98. *Ibid.*, p. 10.
99. *Ibid.*, p. 80.
100. *Ibid.*, p. 132.
101. *Ibid.*, p. 146.
102. Easlea, 1981, p. 157.
103. *Ibid.*, p. 86.
104. Gilman, 1979, p. 29.
105. Meek, 1976, p. 2.

106. Gilman, 1979, p. 59.
107. Meek, 1976, pp. 80–1.
108. *Ibid.*, p. 80.
109. See Chapter 7.
110. Baym, 1986, p. 71.
111. *Ibid.*, p. 72.
112. *Ibid.*, p. 73.
113. *Ibid.*, p. 71.
114. *Ibid.*, p. 75.
115. *Ibid.*
116. Gilman, 1979, p. 5.
117. *Ibid.*, p. 8.
118. *Ibid.*, p. 74.
119. Howarth, 1973, chap. 1.
120. Gilman, 1979, p. 37.
121. Gilman, 1924, p. 208.
122. Beer, 1983, p. 211.
123. *Ibid.*, p. 215.
124. *Ibid.*, p. 213.
125. *Ibid.*
126. Palmeri, 1983, p. 111; her emphasis.
127. Gilman, 1979, p. 59.
128. *Ibid.*, p. 30.
129. *Ibid.*, p. 128.
130. *Ibid.*, p. 124.
131. Easlea, 1981, p. 270.
132. Gilman herself had at least three close female friends during her lifetime, with two of whom she actually set up home. However, as Mary A. Hill points out, 'Close and intimate friendships between women were common in the nineteenth century, as were hugging, kissing, commiserating, communing, unashamedly sleeping together in one another's beds. Whether such relationships were sexual is often impossible to know' (Hill, 1980, p. 82).
133. Gilman, 1979, p. 88.
134. *Ibid.*, pp. 88 and 89.
135. *Ibid.*, p. 99.
136. Gilman, 1911, p. 100.
137. Gilman, 1979, p. 93.
138. *Ibid.*
139. Bartkowski, 1989, p. 31.
140. Gilman, 1979, p. 127.
141. Bartkowski, p. 31.
142. Gilman, 1924, p. 208.
143. Gilman, 1979, p. 70.
144. The Herland process of selective breeding gives primacy to parcnary considerations. As Somel explains to Jennings:

'If the girl showing the bad qualities had still the power to appreciate social duty, we appealed to her, by that, to renounce motherhood. Some

of the few worst types were, fortunately, unable to reproduce. But if the fault was in a disproportionate egotism – then the girl was sure she had the right to have children, even that hers would be better than others.’

‘I can see that,’ I said. ‘And then she would be likely to rear them in the same spirit.’ ‘That we never allowed,’ answered Somel quietly.

(Gilman, 1979, p. 82).

The implications for selective breeding in the human species are, by now, well documented, but in the context of Victorian pragmatism following the teachings of Darwin, the idea that defective traits could be eradicated rather than held to be dependent on the will of God or concomitant with the laws of nature, and therefore beyond human ability to change, gave impetus to much optimistic speculation (see Houghton, 1957, pp. 33–8). However, the notion of deviance must inevitably give rise to questions regarding race superiority. Similarly, the authoritarian nature of Somel’s statement implies totalitarian intransigence, putting ‘social duty’ before individual rights. It would seem that Gilman had need to reconcile her interpretation of socialism with her commitment to democracy which, as she says, ‘means, requires, is, individual liberty’ (Gilman, 1966, p. 145).

145. Gilman had little sympathy with psychoanalytic theory and refused to be ‘psyched’ by the ‘mind-meddlers’ when Freudian psychoanalysis came to New York (see Gilman, 1935, p. 314).
146. Gilman, p. 128.
147. Bartkowski, 1989, p. 32.
148. Gilman, 1979, p. 99.
149. *Ibid.*, p. 127.
150. *Ibid.*, p. 92.
151. *Ibid.*, p. 56.
152. Gilman, 1911, p. 107.
153. Beer, 1983, p. 107.
154. *Ibid.*, p. 108.
155. *Ibid.*, p. 119.
156. Gilman, 1979, p. 64.
157. *Ibid.*, p. 94.
158. *Ibid.*, p. 50.
159. Cockshut, 1977, p. 9.
160. *Ibid.*, p. 10.
161. *Ibid.*, p. 9.
162. Gilman, 1979, p. 125.
163. *Ibid.*, p. 104.
164. *Ibid.*, p. 97.
165. *Ibid.*, p. 89.
166. *Ibid.*
167. *Ibid.*, p. 123.
168. Showalter, 1977, p. 14.
169. Gilman, 1979, p. 123.
170. Cockshut, 1977, p. 9.
171. Gilman, 1979, pp. 123 and 124.

172. Ibid., p. 144.
173. Ibid., p. 94.
174. Ibid., p. 145.
175. Gilman, 1966, p. 151.
176. Gilman, 1979, p. 59.

3 *Swastika Night*: Katharine Burdekin and the Psychology of Scapegoating

1. Burdekin, 1934, p. 35.
2. The Left Book Club was created by Gollancz 'to spread knowledge for the threefold aim of the preservation of peace, the defeat of fascism and the pursuit of social justice' (reader's letter, *Left News*, No. 54, December 1940).
3. Cover of *Left News*, July 1940.
4. See Theweleit, *Male Fantasies*, 1987.
5. In a footnote to her essay 'Orwell's Despair, Burdekin's Hope: Gender and Power in Dystopia', Daphne Patai comments on the fact that Burdekin's first six novels were published under her own name and suggests that the reason '[w]hy she [later] chose to adopt the pseudonym . . . is only one of the many questions regarding her life and work that still need to be explored' (Patai, 1984, p. 85). However, as Keith Williams notes, 'she was at the cutting edge of the progressive thought of the inter-war period . . . [and] knew and/or corresponded with H. D., Radclyffe Hall, the Woolfs and the Russells, among others' (Keith Williams, 1999, p. 12). See also Daphne Patai's afterword to another Burdekin novel, *The End of This Day's Business*.
6. Burdekin, 1934, p. 22.
7. As Daphne Patai points out, Karen Horney's 'essays on feminine psychology were available in English in the 1920s' (Patai, 1985, p. ix). This historical coincidence (shared also with Melanie Klein) as well as the internal textual evidence from *Swastika Night* and *Proud Man* argue persuasively for her knowledge of, and interest in, these theorists, despite the fact that, as far as is known, she published nothing other than her fiction.
8. The deification of Hitler, which Burdekin imagines after 700 years of Nazi rule, reflects the role that historical analysis reveals he had perhaps imagined for himself (see Grunberger, 1974, pp. 104–5).
9. Burdekin, 1985, p. 70.
10. Ibid., p. 100.
11. Ibid., p. 67.
12. Ibid., p. 68.
13. Ibid., p. 12.
14. Ibid., p. 8.
15. Ibid., p. 98.
16. At the end of the novel, the narrator concludes that s/he has been mistaken in her/his assumption that s/he has travelled into her/his own past, seeing, finally, no possibility that the 'creatures' that s/he meets could evolve to the state that her/his people have achieved. See Murray Constantine, *Proud Man* (1934).

17. Lewis, 1980, p. 208.
18. *Ibid.*, p. 215.
19. Evidence for the fact that concerns over racial 'quality' were not confined to Nazi Germany alone is provided by the release of previously withheld documents to the Public Record Office in Kew (UK) which reveal how Winston Churchill, when Home Secretary in 1910, 'wanted forcibly to sterilise more than 100,000 people he described as "mentally degenerate"' (see Clive Ponting, 'Churchill's plan for race purity', in the *Guardian* ('Outlook' section), Saturday 20 June – Sunday 21 June 1992).
20. Lewis, 1980, p. 216.
21. Koonz, 1987, p. 149.
22. *Ibid.*, p. 398.
23. *Ibid.*, p. 399.
24. Grunberger, 1974, p. 339.
25. *Ibid.*
26. Koonz, 1987, p. 3.
27. Ehrenreich, 1987, p. xv.
28. Grunberger, 1974, p. 322.
29. Burdekin, 1985, p. 11.
30. *Ibid.*, pp. 5 and 6, her emphasis. This immediately invites comparison with the Greek myth of the birth of Athene who 'sprang, fully armed, with a mighty shout' from the head of her father, Zeus. But, as Robert Graves points out, 'before the arrival of Aryan invaders from the distant North and East . . . Ancient Europe had no gods' (Graves, 1955, p. 13) and all religious worship centred around the triple-aspected Moon goddess, of which Athene would undoubtedly have originally been a representation. Graves quotes Jane Harrison, who describes 'the story of Athene's birth from Zeus'' head as 'a desperate theological expedient to rid her of her matriarchal conditions' and adds that it is 'also a dogmatic insistence on wisdom as a male prerogative; hitherto the goddess alone had been wise' (*ibid.*, p. 46). It is possible that Burdekin intends to suggest that the mythologising of Hitler's birth is a similar expedient and that both myths can be taken to represent assuaging of male envy of women's procreative ability. The re-mythologising of the Moon goddess is also, of course, another example of the 'destruction of Memory' (Burdekin, 1985, pp. 79–80).
31. Burdekin, 1985, p. 10.
32. *Ibid.*, pp. 79 and 80.
33. *Ibid.*, pp. 81–2.
34. *Ibid.*, p. 80.
35. Pagetti, 1990, p. 361.
36. Burdekin, 1985, p. 13.
37. *Ibid.*, p. 14.
38. *Ibid.*, p. 6.
39. *Ibid.*, p. 23.
40. Theweleit, 1987, p. 22. As Barbara Ehrenreich explains in her Foreword to Vol. 1 of *Male Fantasies*, the *Freikorps* were 'the volunteer armies that fought, and to a large extent, triumphed over, the revolutionary German working class in the years immediately after World War I . . . they managed to survive the relatively warless years between 1923 and 1933, becoming

the core of Hitler's SA and, in several cases, going on to become key functionaries in the Third Reich'.

41. Ibid., p. 35.
42. Ibid.
43. Ibid., p. 33.
44. Burdekin, 1934, p. 22. It is interesting that Burdekin makes this distinction and that for her, as for Klaus Theweleit, who calls his *Friekorpsmen* 'soldier males', the distinction is made to draw attention to the fact that the culture ratifies a type of psychosis, which these males represent.
45. Burdekin, 1985, p. 72.
46. Foucault, 1981, p. 150.
47. Ibid.
48. Theweleit, 1987, p. 414.
49. Foucault, 1981, p. 124; his emphasis.
50. See Chapter 2.
51. Foucault, 1981, pp. 149–50.
52. Ibid., pp. 152–3.
53. Ibid., p. 153.
54. Ibid., p. 148.
55. Burdekin, 1985, p. 28.
56. Foucault, 1981, p. 150.
57. Klein, 1975, p. 285.
58. Ibid., p. 270.
59. Ibid., p. 264.
60. Ibid., p. 352.
61. Burdekin, 1985, p. 79.
62. Ibid.
63. Ibid., p. 80; her emphasis.
64. Ibid., pp. 80–1.
65. Ibid., p. 71.
66. Horney, 1973, p. 135.
67. Ibid., p. 140.
68. Ibid., p. 142.
69. Ibid., p. 141.
70. Ibid., p. 143.
71. Theweleit, 1987, p. 196.
72. Horney, 1973, p. 136.
73. Burdekin, 1934, p. 29.
74. Burdekin, 1985, p. 163.
75. Ibid., p. 161.
76. Ibid., p. 163.
77. Horney, 1973, pp. 60–1.
78. Ibid., p. 136.
79. Burdekin, 1985, p. 82.
80. Ibid., p. 107; her emphasis.
81. Ibid., p. 108.
82. Ibid., p. 70; her emphasis.
83. Ibid., p. 108.
84. Freud, 1973, p. 149.

85. Mitchell, 1990, p. 115.
86. Horney, 1973, p. 222.
87. *Ibid.*, p. 223.
88. Freud may have had Horney in mind when he wrote: 'For the ladies, whenever some comparison seemed to turn out unfavourable to their sex, were able to utter a suspicion that we, the male analysts, had been unable to overcome certain deeply-rooted prejudices against what was feminine, and that this was being paid for in the partiality of our researches. We, on the other hand, standing on the ground of bisexuality, had no difficulty in avoiding impoliteness. We had only to say: 'This doesn't apply to *you*. You're the exception; on this point you're more masculine than feminine' (Freud, 1973, p. 150). Later analysts have pointed out that Freud's stressing of bisexuality implies that he also saw the feminine role to have been constructed out of prevailing social conditions, 'masculine' exceptions serving to prove this point (see e.g. Mitchell, 1990, p. 131).
89. Horney, 1973, p. 232.
90. Burdekin, 1934, p. 28.
91. Grunberger, 1974, p. 536.
92. *The Late Show*, BBC2, 20 May 1992.
93. Burdekin, 1985, p. 81.
94. *Ibid.*, p. 6; her emphasis.
95. *Ibid.*, p. 8.
96. *Ibid.*, p. 31.
97. *Ibid.*
98. *Ibid.*, p. 32.
99. In *Quiet Ways*, the central character, Helga, who has been brought up to 'think like an individual', is compared to her contemporaries who, it is suggested, in their vigorous support of the war ethic (the novel is set during World War I) are, like Hermann, hiding deep, inner conflicts.
100. Pagetti, 1990, p. 362.
101. Horney, 1973, p. 144; her emphasis.
102. *Ibid.*, p. 143.
103. *Ibid.*, p. 144.
104. *Ibid.*, p. 145.
105. Theweleit, 1989, pp. 368–9.
106. *Ibid.*; his emphasis.
107. *Ibid.*, p. 369.
108. Horney, 1973, p. 139.
109. Burdekin, 1985, p. 191.
110. *Ibid.*, p. 71.
111. Pagetti, 1990, p. 364.
112. Patai, 1985, p. xii.
113. *Ibid.*, p. xiv.

4 'No Woman Born': C. L. Moore's Dancing Cyborg

1. McLuhan, 1967 (1951), p. 84.
2. Haraway, 1991, p. 163.

3. Amis, 1983, p. 19.
4. del Rey, 1980, p. 152.
5. Warner, 1969, p. 31.
6. See Chapter 3.
7. Warner, 1969, p. 40.
8. Haraway, 1991, p. 151.
9. See Chapter 2.
10. Warner notes: 'Around 1940, it was possible to claim that there was no such thing as an independent, honest-to-goodness girl-type fan, because virtually all the females in fandom had a fannish boy friend, brother, husband, or some other masculine link', although, by 1948, a survey revealed that 'eleven per cent of all fandom now was feminine' (Warner, 1969, p. 26) and, in the same year, a competition in *Amazing Stories*, 'to locate the best fan writing of the year' (*ibid.*, p. 29) was actually won by Marion Bradley, now well known for her *Darkover* novels (as Marion Zimmer Bradley) and her rewriting of mythology from the female point of view (*The Mists of Avalon* and *The Firebrand*).
11. Aldiss, 1988, p. 322.
12. Shippey, 1979, p. 98.
13. Russell, 1983, p. 209.
14. *Ibid.*
15. The relationship between the development of technology and the creation of mass culture had been an issue in cultural criticism for a number of years, for instance, in the work of the Frankfurt School. See e.g. Andrew Arato and Eike Gebhardt (eds), 1978.
16. Aldiss, 1988, p. 221.
17. Griffiths, 1980, p. 122.
18. Hales, 1982, p. 180.
19. *Ibid.*, p. 177.
20. *Ibid.*, p. 180.
21. Gramsci, 1971, p. 286.
22. *Ibid.*, p. 309.
23. *Ibid.*, p. 310.
24. Hales, 1982, p. 18.
25. Pacey, 1983, p. 25.
26. Aldiss, 1988, p. 310.
27. Mumford, 1932, p. 371.
28. McLuhan, 1967, p. 33.
29. *Ibid.*, p. 34.
30. *Ibid.*, p. 33.
31. Aleksander and Burnett, 1984, p. 22.
32. Wiener, 1948, p. 8.
33. Wiener, 1968, p. 53, his emphasis.
34. Rorvik, 1975, p. 102.
35. 'How to Become a Successful Wife' in *Women and Beauty Magazine*, 1946, p. 55.
36. *The Manchester Guardian*, 14 May 1947.
37. Bereano, Bose and Arnold, 1985, p. 168.
38. *Manchester Guardian*, 13 November 1952.

39. McLuhan, 1967, pp. 32 and 33.
40. Trescott, 1979, p. 19.
41. McLuhan, 1967, p. 154.
42. Friedan, 1963, p. 183.
43. Ibid.
44. Ibid., p. 184.
45. Wolf, 1990, p. 214.
46. See Wolf, 1990, pp. 118–21.
47. First stated in full in 'Runaround', *Astounding Science Fiction*, March 1942, reprinted in Asimov, 1983, pp. 269–70. For an interesting analysis of the three laws as constructed to ensure a level of obedience from 'thinking machines' analogous to the restraints imposed on women by the marriage vows, see Plant, 1996, p. 175 and Chapter 8, this volume.
48. Griffiths, 1980, p. 127.
49. McLuhan, 1967, p. 100.
50. Rorvik, 1975, p. 32.
51. Ibid.
52. Rosinsky, 1991, p. 524.
53. Moore, 1975, p. 279.
54. Ibid., p. 245.
55. Ibid., p. 246.
56. Ibid., p. 247.
57. Ibid., pp. 248 and 249.
58. Ibid., p. 276.
59. Ibid., p. 269.
60. In the opening pages he quotes from James Stephens' poem, which recounts the Celtic myth of Deirdre-of-the-Sorrows:

The time comes when our hearts sink utterly,
 When we remember Deirdre and her tale,
 And that her lips are dust. . . .
 There has been again no woman born
 Who was so beautiful; not one so beautiful
 Of all the women born. . . .
 Let all men go apart and mourn together –
 No man can ever love her. Not a man
 Can dream to be her lover. . . . No man say –
 What could one say to her? There are no words
 That one could say to her

(See Moore, 1975, p. 237). The poem is a lament, mourning the tragic death of the young Deirdre who, in the myth, rather than become wife to the king who has killed her young lover and now claims her for his own, drinks her lover's blood to show her defiance of the king's wishes and takes her own life. Harris still dreams of being Deirdre's lover, and his image of the cyborg is correspondingly romantic. He cannot see Deirdre other than as her former self, 'the loveliest creature whose image ever moved along the airways' (ibid., p. 236), a point of view which tends to evoke McLuhan's Hollywood 'love machine'. But the reference to Deirdre-of-the-Sorrows,

who dies rather than succumb to another's will, foreshadows the outcome of the story in which Deirdre refuses to comply with the way in which the scientist insists that she must conduct her life, now that she is, as he sees it, less than human. However, the cyborg does not die but remains to confront the scientist with his error of judgment.

61. Moore, 1975, p. 367; her emphasis.
62. Haraway, 1991, p. 181.
63. *Ibid.*, p. 174.
64. *Ibid.*
65. *Ibid.*, p. 163.
66. McLuhan, 1964, p. 5. McLuhan's *Understanding Media* can be read as an early formulation of the cyborg idea, concerned, as it is, with examining 'our own extended beings in our technologies' (*ibid.*, p. 6). However, McLuhan tends to oscillate between distrust of the power of electronic media to manipulate consciousness and a belief 'that the unifying networks of electronic communication might restore mankind to a state of bliss not unlike the one said to have existed within the Garden of Eden' (Lapham, 1994, p. xvii).
67. Haraway, 1991, p. 150.
68. *Ibid.*, p. 163.
69. *Ibid.*
70. *Ibid.*, p. 175.
71. *Ibid.*
72. Moore, 1975, p. 276.
73. *Ibid.*, p. 277.
74. *Ibid.*, p. 276.
75. *Ibid.*, p. 258.
76. *Ibid.*
77. King, 1984, p. 72.
78. Moore, 1975, p. 277.
79. *Ibid.*, p. 253.
80. *Ibid.*, p. 252.
81. *Ibid.*, p. 257.
82. *Ibid.*, p. 259.
83. *Ibid.*
84. *Ibid.*, p. 258.
85. Innes, 1955, p. 231.
86. Hilton, 1991, p. 68.
87. Moore, 1975, pp. 278–9.
88. *Ibid.*, p. 286.
89. *Ibid.*, p. 250. Interestingly, David Rorvik gives an example of a living cyborg who would agree wholeheartedly with Deirdre's belief. He mentions a woman who, 'equipped with two implanted pacemakers, one for her heart and one for her bladder . . . insists that she now has a new rapport, a new "feeling for" things mechanical' (Rorvik, 1975, p. 101).
90. Moore, 1975, p. 269.
91. *Ibid.*, p. 270.
92. *Ibid.*, p. 256.
93. *Ibid.*, p. 257.
94. Balsamo, 1996, p. 9.

95. Haraway, 1991, p. 169.
96. Moore, 1975, p. 258.
97. *Ibid.*, p. 259.
98. *Ibid.*, p. 281.
99. *Ibid.*, p. 277.
100. *Ibid.*, p. 269.
101. See Chapter 2.
102. Haraway, 1991, p. 151.
103. *Ibid.*
104. Moore, 1975, p. 257.
105. Kermode, 1957, p. 50.
106. *Ibid.*, p. 43.
107. *Ibid.*, p. 54.
108. *Ibid.*, p. 56.
109. Kermode, 1957, p. 60.
110. McLuhan, , 1967, p. 34.
111. Moore, 1975, p. 261. It is possible that here Moore is making a reference to the 'Ziegfeld girls'. As Marshall McLuhan points out: 'There is nothing very human about twenty painted dolls rehearsing a series of clockwork taps, kicks and swings' (McLuhan, 1967, p. 94).
112. *Ibid.*, p. 267.
113. *Ibid.*, pp. 263–4.
114. *Ibid.*, p. 258.
115. *Ibid.*, p. 276.
116. Kermode, 1957, p. 64.
117. Moore, 1975, p. 265.
118. *Ibid.*

5 'Short in the Chest': Margaret St Clair and the Revenge of the Housewife Heroine

1. In Chris Hables Gray (ed.), *The Cyborg Handbook*, Routledge, New York and London, 1995, p. 364.
2. Herbert, 1991, p. 622.
3. Sargent, 1978, p. 21.
4. St Clair, 1979, p. 250.
5. Greenberg and Olander, 1979, p. 249.
6. Herbert, 1991, p. 623.
7. St Clair, 1981, p. 151.
8. St Clair, 1979, pp. 255 and 253.
9. St Clair, 1981, p. 153.
10. *Ibid.*, p. 154.
11. St Clair explains in a footnote: 'For the record, be it observed that "dight" is a middle English word meaning, among other things, "to have intercourse with"... "Dight" was reintroduced by a late twentieth-century philologist who disliked the "sleep with" euphemism, and who saw that the language desperately needed a transitive verb that would be "good usage"' (St Clair, 1979, p. 250).

12. St Clair, 1979, p. 252.
13. *Ibid.*, p. 251.
14. In Zamyatin's novel (believed by some to have influenced George Orwell) a 'pink ticket' secures 'a certificate' which entitles the citizen to 'the Right of Blinds', that is, an hour of privacy (see Zamyatin, 1972 (1924), p. 35). Rebellion is precipitated by an illicit sexual encounter which leads to the protagonists' downfall.
15. See Chapter 3.
16. See Chapter 4.
17. St Clair here preempts Dr John C. Loehlin, 'an associate professor of psychology and computer science at the University of Texas' who has named his 'creative thinking' robot 'Aldous, fittingly enough in honor of the late Aldous Huxley, author of *Brave New World* and one of the most original thinkers of recent times' (Rorvik, 1975, pp. 48–9).
18. St Clair, 1979, p. 250.
19. *Ibid.*, p. 249. Here, St Clair employs a technique used by George Orwell in *Nineteen Eighty-Four*, in which 'Newspeak' refers to terms which have been invented for the purpose of enforcing ideological conformity (see Appendix 'The Principles of Newspeak' in Orwell, 1984, pp. 231–42). In 'Short In The Chest', the cold war is played out on a cosmic scale (trying to reason with her fighting partner, Sonya tells him 'how the enemy were about to take Venus, when all we had was Mars' (St Clair, 1979, p. 254)), but St Clair leaves it to her readers to imagine whether the bombing is actual or synthesised.
20. St Clair, 1979, p. 256.
21. *Ibid.*, p. 256.
22. *Ibid.*, p. 257.
23. *Ibid.*, p. 248.
24. *Ibid.*, p. 257.
25. *Ibid.*, p. 258.
26. *Ibid.*, p. 257.
27. *Ibid.*, p. 258.
28. *Ibid.*, p. 249.
29. *Ibid.*, p. 251.
30. *Ibid.*, p. 258.
31. *Ibid.*, p. 255.
32. *Ibid.*, p. 259.
33. *Ibid.*, p. 254.
34. *Ibid.*, p. 256.
35. *Ibid.*, p. 253.
36. Friedan, 1963, p. 110.
37. Faludi, 1992, p. 373.
38. See Chapter 4.
39. See Chapter 2.
40. Farnham and Lundberg, 1947, p. 143.
41. Firestone, 1979, p. 72.
42. Sargent, 1978, p. 19. Asimov's Clare Belmont in 'Satisfaction Guaranteed' is an excellent example (in *Amazing Stories*, April, 1951 and reprinted in Asimov, 1983, pp. 350–67).

43. St Clair, 1979, p. 259.
44. *Ibid.*, p. 256.
45. See Chapter 3.
46. In *The Dialectic of Sex*, Firestone advocates artificial reproduction to 'free women . . . from their biology [and thus] threaten the social unit that is organized around biological reproduction and the subjection of women to their biological destiny' (Firestone, 1979, p. 193). Marge Piercy's celebrated sf novel, *Woman on the Edge of Time* (1976), imagines a future world where foetuses are incubated in artificial wombs and men receive hormone implants to enable them to breastfeed.
47. Huxley, of course, used a similar strategy in *Brave New World*. The women of Utopia keep their contraceptive kit in a 'Malthusian belt', named after the English philosopher Thomas Robert Malthus who, in his *Essay on Population* (1798 and 1803) proposed either sexual abstinence or some form of birth control in order to prevent overpopulation and starvation.
48. St Clair, 1979, p. 256.
49. Huxley, 1977, p. 21.
50. Huxley, 1950, p. 14.
51. *Ibid.*, p. 15. Drugs, in fact, figure strongly in 'Short In The Chest'. Apart from the hormones designed to promote sexual desire, Major Briggs has been warned by her irate fighting partner that she would be made 'to take Pentothal and then the truth would come out,' and she confides in the huxley that she has heard 'they put cannabis in the drinks they serve you in the neutral areas' (St Clair, 1979, p. 253). (Cannabis was made illegal in the United States in 1914, many people believing that the real reason was because of its effect on productivity – here it is being put to a 'productive' use as an aphrodisiac).
52. St Clair, 1979, p. 250.
53. Watson, 1919, p. 2; his emphasis.
54. St Clair, 1979, p. 252.
55. Watson, 1919, p. 2.
56. St Clair, 1979, p. 252.
57. Kinsey, 1953, p. 745.
58. *Ibid.*, p. 732.
59. *Ibid.*, p. 9.
60. Trilling, 1970, p. 217; his emphasis.
61. Kinsey, 1953, p. 749.
62. Trilling, 1970, p. 213.
63. *Ibid.*, p. 218.
64. Farnham and Lundberg, 1947, p. 24.
65. *Ibid.*, p. 359.
66. Watson, 1919, p. 9; his emphasis.
67. St Clair, 1979, p. 251.
68. *Ibid.*, p. 251.
69. There is a parallel here with the theme of natural rebellion in *Swastika Night* (see Chapter 3), where women are not being born in response to the demand for males. The suggestion that the enforced reduction of women has, ultimately, threatened their continued survival is here echoed by the threat to the supply of pork. Sonya does not even entertain the idea that enforced

breeding and the too early removal of the piglets from the mother may be causing the situation, just as, in *Swastika Night*, von Hess is unconvinced by Alfred's arguments as to the reason for the women's 'discouragement' (see Burdekin, 1985, pp. 104–12). Von Hess cannot be persuaded, because, for him, women have always demonstrated that they are inferior to men and thus are the instruments of their own reduction; likewise, Sonya associates the feeding of baby pigs with the sound of grunting, assuming the grunting, and that alone, to be the stimulus to feed, rather than, perhaps, the *result* of the feeding as Alfred suggests the women's reduction is potentially a *result* of their former oppression.

70. Marcuse, 1964, p. x.
71. *Ibid.*, p. 98.
72. *Ibid.*, p. 90.
73. *Ibid.*, p. 97.
74. *Ibid.*, p. 12.
75. St Clair, 1979, p. 254.
76. See Chapter 8 for a discussion of the Jewish myth of the golem as a metaphor for the potential for unpredictability inherent in the nature of machine technology.
77. Wiener, 1963, p. 60.
78. *Ibid.*, p. 67.
79. St Clair, 1979, p. 259.
80. Farnham and Lundberg, 1947, p. 39.
81. See Chapter 4.
82. Bergson, 1956, p. 79; his emphasis.
83. *Ibid.*, pp. 80 and 81.

6 'Your Haploid Heart': James Tiptree Jr and Patterns of Gender

1. Siegel, 1985, p. 7.
2. *Ibid.*, p. 10.
3. Cf. Thomas Pynchon and J. D. Salinger.
4. Steffen-Fluhr, 1990, p. 202.
5. Le Guin, 1979, p. 4.
6. Silverberg, 1975, p. xii.
7. Le Guin, 1978, p. xi.
8. Siegel, 1985, p. 7.
9. *Ibid.*, p. 10.
10. Lefanu, 1988, p. 106. The title of Lefanu's book, *In the Chinks of the World Machine*, is taken from a Tiptree story 'The Women Men Don't See' (first published in *The Magazine of Fantasy and Science Fiction*, December 1973 and reprinted in the Tiptree anthology *Warm Worlds and Otherwise*).
11. Gearhart and Ross, 1983, pp. 443–4.
12. Le Guin, 1979, p. 163.
13. Siegel, 1988/9, p. 9.
14. Mead, 1962, p. 49.
15. *Ibid.*

16. *Ibid.*, p. 51.
17. *Ibid.*, p. 50.
18. Tiptree, 1975, p. 61.
19. Siegel, 1988/9, p. 9.
20. Tiptree, 1969, p. 11.
21. *Ibid.*, p. 10.
22. *Ibid.*, p. 14.
23. *Ibid.*, p. 11.
24. *Ibid.*, p. 12.
25. *Ibid.*, p. 15.
26. *Ibid.*, p. 16.
27. *Ibid.*, p. 15.
28. *Ibid.*, p. 28; her emphasis.
29. *Ibid.*, p. 22.
30. Stableford, 1987, p. 211.
31. See J. G. Ballard, 'Myth Maker of the 20th Century' in Michael Moorcock (ed.), *New Worlds*, No. 142, May-June, 1964, pp. 121-7.
32. Greenland, 1983, p. 12.
33. Stableford, 1987, p. 211.
34. See Chapter 4.
35. Roszak, 1969, p. 205.
36. *Ibid.*, p. 208.
37. See Chapter 4.
38. Millett, 1978, postscript.
39. Ali, 1987, p. 231.
40. Millett, 1978, p. 507.
41. Russ in Smith (ed.), 1975, p. 101.
42. Tiptree in Smith (ed.), 1975, p. 18; her emphasis.
43. See Chapter 2.
44. Tiptree in Smith (ed.), 1975, p. 18.
45. *Ibid.*, pp. 18-19.
46. *Ibid.*, p. 18.
47. *Ibid.*, p. 20.
48. *Ibid.*, p. 21.
49. *Ibid.*, p. 19.
50. *Ibid.*, p. 20; her emphasis.
51. Tiptree, 1978, p. 65.
52. Tiptree in Smith (ed.), 1975, p. 19.
53. This is where, for Tiptree's stories, a male narrator is important. I agree with Sarah Lefanu when she says: 'Tiptree's feminist vision in fact appears at its most powerful and complex in some of the stories that have a male narrator, or where the authorial voice is mediated through a macho world view, even though, or perhaps because, these stories, at least to this woman reader, are the most disturbing' (Lefanu, 1988, p. 122). In both 'Your Haploid Heart' and 'A Momentary Taste of Being', the male narrator stands as a symbol for the male hegemony of scientific thought which imposes its own categories as a starting point for analysis. It is only when these categories are broken down and understood as the source of misconception that the alien culture can be assimilated and described without reference to culture-bound viewpoints.

54. Tiptree, 1978, p. 1.
55. Lefanu, 1988, p. 109.
56. See Chapter 3.
57. See Chapter 2.
58. Tiptree in Smith (ed.), 1975, p. 17.
59. Thompson, 1981, p. 57.
60. Steffen-Fluhr, 1990, p. 200.
61. Lefanu, p. 109.
62. Pei, 1979, p. 272.
63. Thompson, 1981, p. 60.
64. *Ibid.*, p. 58.
65. Tiptree, 1969, p. 19.
66. *Ibid.*, p. 19.
67. *Ibid.*, p. 30.
68. *Ibid.*, p. 14.
69. In what is quite possibly a coincidence, the same issue of *Analog* in which 'Your Haploid Heart' first appeared, carried an editorial by John W. Campbell berating the 'National Academy of Sciences' in the US for refusing to investigate the potential 'genetic differences of intelligence among racial groups'. The explanation, 'It is essentially impossible to do good research in this field as long as there are such great social inequities, and such research is also so easily misunderstood in these times', convinces Campbell that '[t]hey must be uniformly, personally convinced that such an investigation would prove a politically embarrassing fact – that genetics *does* make a difference' (see John W. Campbell, *Analog*, September 1969, pp. 74–5). Here Campbell appears to be nailing his political colours to the mast (and giving an insight into the stance that fandom was likely to take towards the issue of civil rights). If it were proved that genetics 'does make a difference', would he then want to claim that 'social inequities' are justified? It would seem so.
70. Tiptree, 1969, p. 19.
71. *Ibid.*, p. 15.
72. *Ibid.*, p. 14.
73. See Chapter 3.
74. Tiptree, 1969, p. 20.
75. Harding, 1986, p. 22.
76. See Harding, 1986.
77. Harding, 1986, p. 96.
78. Tiptree, 1969, p. 38.
79. *Ibid.*, p. 10.
80. *Ibid.*
81. *Ibid.*, p. 18.
82. *Ibid.*, p. 23.
83. *Ibid.*, p. 22.
84. *Ibid.*, p. 12.
85. *Ibid.*, p. 38.
86. Barr, 1987, p. 34.
87. Tiptree, 1969, p. 38.
88. *Ibid.*

89. Ibid., p. 15.
90. Ibid., p. 17.
91. The counter-culture was both affiliated to, and defined against, the American system of higher education. Although the campuses were frequently the focus of counter-cultural political activity, the essence of the hippie ethos was in revolution against the system which imparted knowledge for the purposes of instilling in the next generation the ideology of the dominant culture (see Theodore Roszak, *The Making of a Counter Culture*, Faber & Faber, London, 1969).
92. Tiptree, 1969, p. 19.
93. Ibid., p. 16.
94. Ibid., p. 13.
95. Ibid.
96. Ibid., p. 21.
97. Ibid., p. 22.
98. Furman, 1985, p. 72.
99. Kristeva, 1980, p. 136.
100. Furman, 1985, p. 73.
101. Tiptree, 1969, p. 23.
102. Ibid., pp. 23–4.
103. Ibid., p. 24.
104. Ibid., p. 22; her emphasis.
105. Ibid., p. 31.
106. See Chapter 3.
107. Tiptree, 1969, p. 15.
108. Ibid., p. 17.
109. Roszak, p. 232; his emphasis.
110. Tiptree, 1969, p. 27.
111. See Chapter 2.
112. Tiptree, 1969, p. 36.
113. Ibid.
114. Tiptree, p. 37.

7 Amazons and Aliens: Feminist Separatism and the Future of Knowledge

1. Leland, 1983, p. 71.
2. Livingston, 1978, p. 170.
3. See, for example, Alman *et al.* (eds), *Which Homosexuality?*, a published collection of papers addressing these issues which were presented at a conference entitled 'Homosexuality, Which Homosexuality?' at the Free University, Amsterdam, 15 December 1987.
4. See for example Joanna Ryan, 'Psychoanalysis and Women Loving Women' in Crowley and Himmelweit (eds), *Knowing Women: Feminism and Knowledge*.
5. Rich, 1987, p. 54.
6. Ibid.; her emphasis.
7. Auerbach, 1978, p. 1.

8. Ibid., p. 6.
9. Ibid., p. 5.
10. Ibid.
11. In Margrit Eichler and Hilda Scott's collection of essays *Women in Futures Research* (concerned to identify areas in which feminist thought may contribute to future planning) Joan A. Rothschild, in common with several other writers in the collection, identifies feminist utopias as 'a...rewarding source for feminist future visions...reaching in new ways into every area that technology touches' (Rothschild in Eichler and Scott, 1982, p. 97).
12. Gearhart, 1985, pp. 2-3.
13. Zagarell, 1988, p. 499.
14. Ibid., p. 503.
15. Ibid., p. 507.
16. Ibid., p. 509.
17. Ibid., p. 510.
18. Ibid.
19. Henderson, 1983, p. 209; her emphasis. Frederick Engels argues also for a period of 'mother right' in which descent was reckoned matrilinearly and ownership of resources and produce was communal. See Eleanor Burke Leacock in Frederick Engels, 1972, p. 41.
20. Rich, 1987, p. 147; her emphasis.
21. Ibid., p. 141.
22. Gearhart, 1985, p. 149.
23. Ibid., p. 151.
24. Ibid., p. 150.
25. Ibid., p. 87.
26. Kristeva, 1986, p. 189; her emphasis.
27. Ibid., p. 191; her emphasis.
28. Ibid., p. 190; her emphasis.
29. Ibid., p. 191.
30. Lefanu, 1988, p. 69.
31. Kristeva, 1986, p. 191.
32. Gearhart, 1985, p. 80.
33. Ibid., p. 75.
34. Chesler, 1972, p. 169.
35. Sjöö and Mor, 1987, p. 97.
36. Wolff, 1971, p. 82.
37. Ibid., p. 60.
38. Rich, 1987, p. 98; her emphasis.
39. Gearhart, 1985, p. 47.
40. Ibid., p. 50.
41. Ibid., p. 47.
42. Ibid., p. 49.
43. Sjöö and Mor, 1987, pp. 73 and 74.
44. Ibid., p. 73.
45. Lefanu, 1988, p. 69.
46. Daly, 1978, p. 350.
47. Ibid., p. 347.
48. Ibid., p. 350.

49. Ibid.; her emphasis.
50. Sjöö and Mor, 1987, p. 75.
51. Gearhart, 1985, p. 203.
52. Ricoeur, 1988, p. 105.
53. Ibid.
54. Gearhart, 1985, p. 206.
55. Ibid., p. 12.
56. Ibid., p. 115.
57. Kristeva, 1986, p. 202; her emphasis.
58. Ibid., p. 204.
59. Gearhart, 1985, p. 68.
60. Ibid., p. 124.
61. Farley, 1984, p. 241.
62. Kristeva, 1986, p. 203.
63. Ibid., p. 205.
64. Kristeva refers to both the 'socio-symbolic contract' and the 'symbolic order'. In Lacanian terms, we enter into the symbolic order when we are initiated into the use of language, and it is thus an unavoidable part of the socialisation process. The word 'contract', however, implies an agreement entered into voluntarily. Kristeva's use of both terms raises the question of whether it is possible to view the entry into the symbolic order (the 'law of the father') as negotiable. What I believe she intends is that feminists should regard themselves as having chosen to be a part of the social order so that they can work for their own interests from a position of strength. The alternative position of regression from the symbolic order (the position taken by *The Wanderground*), she sees as disempowering.
65. Lefanu, 1988, p. 68.
66. Gearhart, 1985, p. 122.
67. Kristeva, 1986, p. 200.
68. Gearhart, 1985, p. 193.
69. Farley, 1984, p. 240.
70. Gearhart, 1985, p. 193.
71. Ibid., p. 194.
72. Farley, 1984, pp. 240–1.
73. Gearhart, 1985, p. 195.
74. Ibid., p. 196.
75. Ibid., p. 194.
76. Farley, 1984, p. 241.
77. This scene can also be read as a warning that men who are not obviously threatening are, nevertheless, male and therefore incapable of accessing the 'true' route to knowledge that Gearhart seems to want to claim for females. Evona's apparent paranoia can be read as a sensible caution, and it is possible that Gearhart's readers would have identified with her point of view.
78. Pfaelzer, 1988, p. 290.
79. Kristeva, 1986, p. 200.
80. Forbes, 1985, pp. 106 and 111.
81. Ibid., p. 115.
82. Ibid., p. 91.
83. Ibid.

84. *Ibid.*, p. 92.
85. Rich, 1986, p. 223.
86. *Ibid.*, p. 232.
87. Westkott, 1978, p. 18.
88. *Ibid.*, p. 17.
89. *Ibid.*, p. 19; her emphasis.
90. Gilligan, 1982, p. 8.
91. *Ibid.*, p. 32.
92. *Ibid.*, p. 17.
93. *Ibid.*, p. 16.
94. Forbes, 1985, p. 113.
95. *Ibid.*, p. 114.
96. Among the examples that Zagarell cites are Sarah Orne Jewett's *The Country of the Pointed Firs*, Flora Thompson's *Lark Rise to Candleford*, Toni Morrison's *Song of Solomon* and Alice Walker's *The Color Purple*. She also mentions George Eliot and Harriet Beecher Stowe in this context as well as many lesser known works.
97. Zagarell, 1988, p. 520.
98. Gearhart, 1985, p. 4.
99. Forbes, 1985, p. 146.
100. *Ibid.*, p. 147.
101. *Ibid.*, p. 148.
102. *Ibid.*, p. 90.
103. *Ibid.*, p. 143.
104. *Ibid.*, p. 142.
105. *Ibid.*, p. 140.
106. *Ibid.*, p. 141; her emphasis.
107. *Ibid.*, p. 148.
108. Farley, 1984, p. 241.
109. Kristeva, 1986, p. 193.
110. *Ibid.*, p. 194.
111. *Ibid.*, p. 203.
112. *Ibid.*, p. 209; her emphasis.
113. Rose, 1983, pp. 80–1.
114. *Ibid.*, p. 83; her emphasis.
115. *Ibid.*
116. *Ibid.*, p. 84.
117. McNeil, 1987, p. 55.
118. Gearhart, 1983, p. 174.
119. *Ibid.*, pp. 174 and 175.
120. Rorty, 1989, p. 7.
121. *Ibid.*, pp. 17 and 16.
122. *Ibid.*, p. 17.
123. *Ibid.*, p. 16.
124. *Ibid.*, p. 13.
125. Vance, 1989, pp. 29–30.
126. *Ibid.*, p. 29.
127. Rorty, 1989, p. 53.
128. Haraway, 1991, p. 187.

129. Ibid., p. 189.
130. Ibid., p. 190.
131. Ibid., p. 191.
132. Ibid.
133. Ibid., p. 193.
134. Ibid., p. 198. Rorty uses the word 'conversation' in a similar context and with similar aims. He writes: 'If we see knowledge as a matter of conversation and of social practice, rather than as an attempt to mirror nature, we will not be likely to envisage a metapractice which will be the critique of all possible forms of social practice.' And: 'If we see knowing not as having an essence, to be described by scientists and philosophers, but rather as a right, by current standards, to believe, then we are well on the way to seeing *conversation* as the ultimate context within which knowledge is to be understood. Our focus shifts from the relation between human beings and the objects of their inquiry to the relation between alternative standards of justification and from there to the actual changes in those standards which make up intellectual history' (Rorty (1980) 1991, pp. 171 and 389-90).
135. Rorty, 1991, p. 5.
136. Ibid., p. 10.
137. Ibid., p. 7.
138. Ibid., p. 6.
139. Ibid., p. 10.
140. Pfaelzer, 1988, p. 288.
141. Kristeva, 1986, p. 209.

8 *Body of Glass: Marge Piercy and Sex in Cyberspace*

1. Bukatman, 1993; his emphasis.
2. Kranzler in *Foundation: the Review of Science Fiction*, Winter 1988/89.
3. Aldiss, 1988, Chapter 1.
4. Haraway, 1991, p. 180.
5. See Chapter 4.
6. For Kranzler also the monster can be read as female, as can Victor Frankenstein who 'faints or falls asleep at nearly every critical scene in the text and, apart from the creation of the monster, he fails to actually *do* anything' (see Kranzler, Winter 1988/89, pp. 43 and 44; her emphasis).
7. Haraway, 1991, p. 177.
8. See Chapter 6 and Harding, 1986, p. 22.
9. See Chapter 4.
10. Haraway, 1995, p. xvi.
11. Epstein, 1959, p. 227.
12. I can necessarily only give here a very brief outline of a very complex philosophical system which is open to a myriad of interpretations. The theory of Kabbalah is most fully expounded in an ancient text called the *Sefer Yetzirah* or Book of Creation. (See Gershom Gerhard Scholem, 1965).
13. Collins and Pinch, 1993, p. 2.
14. Maller, 1983, p. 32.
15. Piercy, 1991, p. 267.

16. Booker, 1994, p. 346.
17. Piercy, 1991, p. 563.
18. *Ibid.*, p. 61.
19. *Ibid.*, p. 33.
20. See Chapter 4.
21. Piercy, 1991, p. 282.
22. *Ibid.*, p. 99.
23. *Ibid.*, p. 348.
24. *Ibid.*, p. 34.
25. Haraway, 1991, p. 151.
26. Piercy, 1991, p. 267.
27. *Ibid.*, p. 584.
28. Sterling, 1986, p. xi.
29. Gibson, 1986, p. 19.
30. Sterling, 1986, p. x.
31. Wolmark, 1994, p. 111.
32. *Ibid.*, p. 115.
33. Gordon, 1994, p. 196.
34. Hollinger, 1994, p. 207.
35. See *Neuromancer*, 1986.
36. Gibson, 1986, pp. 12 and 67.
37. Heim, 1991, pp. 67 and 78.
38. Haraway, 1991, p. 177.
39. Novak, 1991, p. 227.
40. *Ibid.*
41. Heim, 1991, p. 65.
42. *Ibid.*, p. 63.
43. This can also be understood as corresponding to the kind of knowledge which the practitioner of Kabbalah will bring to his/her understanding of how the world of substance is to be apprehended. The Kabbalistic Theory of Ideas, in fact, corresponds closely to the Platonic notion of ideal forms. As Isidore Epstein has noted: '[t]his theory averring the existence of real incorporeal heavenly entities which served as patterns at creation for things on earth, has entered the history of philosophy through Plato, but it by no means originated with him' (Epstein, 1959, p. 228).
44. Heim, 1991, p. 65.
45. Piercy, 1991, p. 368.
46. Heim, 1991, p. 62.
47. As John Lechte points out, writing, for Derrida is, 'in the strictest sense . . . virtual, not phenomenal; it is not what is produced, but what makes production possible. It evokes the whole field of cybernetics, theoretical mathematics and information theory' (Lechte, 1994, p. 1080).
48. Bloom, 1975, p. 24.
49. *Ibid.*
50. Bloom, 1975, p. 28; his emphasis.
51. Derrida in Kamuf (ed.), 1991, p. 65.
52. Novak, 1998, p. 4.
53. See Chapter 7.
54. Stone, 1991, p. 102.

55. Piercy, 1991, p. 265.
56. Le Guin, 1979, p. 163.
57. Haraway, 1991, p. 176.
58. See Chapter 4.
59. Plant, 1996, p. 175.
60. Piercy, 1991, p. 332.
61. Plant, 1996, p. 173.
62. Irigaray, 1981, p. 101.
63. *Ibid.*; her emphasis.
64. Plant, 1996, p. 179.
65. *Ibid.*
66. The article is based on a paper presented under the title 'Drugs, Space and Cybernetics' at the Psychophysiological Aspects of Space Flight Symposium sponsored by the AF School of Aviation Medicine in San Antonio, Texas. See Gray (ed.), 1995, p. 29.
67. Clynes and Kline, 1995, p. 29.
68. *Ibid.*, p. 31.
69. Haraway, 1997, p. 4.
70. Thacker, 1998, p. 4.
71. Stone, 1991, p. 83.
72. *Ibid.*
73. *Ibid.*, p. 113.
74. Haraway, 1991, p. 201.
75. Wolmark, 1993, p. 133.
76. Parry, 1999, p. 5.
77. *Ibid.*
78. Parry, 1999, p. 6. The fact that the diversity of Nili's Israel also includes Palestinian women is, admittedly, somewhat utopian and also, when considered in connection with contemporary Israel, raises some uncomfortable questions if Nili's home is to be regarded as culturally Jewish. Piercy can be read as suggesting that women working together can overcome and accommodate differences (see my discussion of women's culture in Chapter 7), and while Parry's argument serves to strengthen the case for Tikva/Israel as sites of cyborg resistance, he also does not address the question of the political implications of the inclusion of Palestinian women or the fact that the apparent overcoming of deeply rooted differences suggests the essentialism which Haraway's cyborg is designed to avoid.
79. Haraway, 1991, p. 155.
80. Parry, 1999, p. 5.
81. Haraway, 1991, p. 155.
82. Haraway, 1997, p. 2.
83. Piercy, 1991, p. 216.
84. Botting, 1991, p. 139.
85. *Ibid.*, p. 140.
86. *Ibid.*, pp. 140 and 141.
87. Haraway, 1991, p. 151.
88. *Ibid.*, p. 176.
89. *Ibid.*, p. 175.
90. Piercy, 1991, p. 262.

91. Haraway, 1997, p. 2.
92. Piercy, 1991, p. 262.
93. Stabile, 1994, p. 151.
94. Haraway, 1997, p. 2.
95. Piercy, 1991, p. 262.

Conclusion: the *Frankenstein* Inheritance

1. Le Guin, 1979, p. 159. Genly Ai is the central character in Le Guin's novel *The Left Hand of Darkness*.
2. See Chapter 2.
3. See Chapter 3.
4. Le Guin, 1979, p. 159.
5. The recent debate centring on the production of 'Frankenstein' foods is only one of the most recent examples of the application of a particular reading of the myth to elucidate a political point. Although genetically modified organisms can be compared to the monster itself in that they are created by bringing together previously disparate units of DNA to create a previously non-existent form of life, the metaphor can be extended to include a critique of the way that multi-national companies involved in the production of these foods (for example, Monsanto) are seen to operate in their dealings with their customers (in particular, countries in what is referred to as the third world), who are required to adapt their farming methods to the procedures laid down by the company, thus ensuring their continued purchase of the product. This, coupled with the fear that the fall-out from fields planted with GMOs may adversely affect neighbouring 'organic' plantings, can be compared with the way that Victor Frankenstein attempts to control life for personal gain but is ultimately shown to have created something that cannot be controlled.
6. Barnes, 1990, p. 16.
7. See Chapter 8.
8. Stern, 1999, p. 3.
9. *Ibid.*, p. 4.
10. Equally, as Megan Stern points out, Wollstonecraft was 'one of the most vocal British supporters of the French Revolution', and of course Mary Shelley was married to Percy Shelley who was 'expelled from Oxford for atheism'. She concludes that, given these 'radical credentials... it is reasonable to read her novel in relation to a medical system precipitated by the French Revolution' (Stern, 1999, p. 5).
11. See Chapter 8.

Bibliography

- Abbott, Sidney and Love, Barbara, *Sappho was a Right On Woman*, Stein and Day, New York, 1978.
- Aldiss, Brian with Wingrove, David, *Trillion Year Spree: the History of Science Fiction*, Grafton, London, 1988.
- Aleksander, Igor and Burnett, Piers, *Re-Inventing Man*, Penguin, Harmondsworth, Middlesex, England, 1984.
- Ali, Tariq, *Street Fighting Years*, Collins, London, 1987.
- Altman, D. et al. (eds), *Which Homosexuality?* GMP, London, 1989.
- Amis, Kingsley, *New Maps of Hell: a Survey of Science Fiction*, Gollancz, London, 1961.
- (ed.), *The Golden Age of Science Fiction: an Anthology*, Penguin, London, 1983.
- Arato, Andrew and Gebhardt, Eike (eds), *The Essential Frankfurt School Reader*, Basil Blackwell, Oxford and Urizen Books, New York, 1978.
- Ardrey, Robert, *The Territorial Imperative*, Dell, New York, 1966.
- Armitt, Lucie (ed.), *Where No Man Has Gone Before: Women and Science Fiction*, Routledge, London and New York, 1991.
- Asimov, Isaac, *The Complete Robot*, Panther, London, 1983.
- Auerbach, Nina, *Communities of Women: an Idea in Fiction*, Harvard University Press, Cambridge, Massachusetts and London, 1978.
- Baldick, Chris, *In Frankenstein's Shadow*, Clarendon Press, Oxford, 1987.
- Balsamo, Anne, *Technologies of the Gendered Body: Reading Cyborg Women*, Duke University Press, Durham and London, 1996.
- Banks, Olive, *Faces of Feminism: a Study of Feminism as a Social Movement*, Martin Robertson, Oxford, 1981.
- Barns, Ian, 'Monstrous Nature or Technology? Cinematic resolutions of the "Frankenstein Problem"' in *Science as Culture*, Vol. 9, Free Association Books, London, 1990.
- Barr, Marlene S., *Future Females*, Bowling Green Press, Ohio, 1981.
- , *Alien to Femininity: Speculative Fiction and Feminist Theory*, Greenwood Press, New York, Westport, Connecticut and London, 1987.
- Barron, Neil (ed.), *Anatomy of Wonder: a Critical Guide to Science Fiction*, Bowker, New York and London, 1987.
- Bartkowski, Frances, *Feminist Utopias*, University of Nebraska Press, Lincoln and London, 1989.
- Baudrillard, Jean, 'Simulacra and Science Fiction' (translated by Arthur B. Evans) in *Science Fiction Studies*, Vol. 18, 1991.
- Baym, Nina, 'Melodramas of Beset Manhood' in Elaine Showalter, (ed.), *The New Feminist Criticism*, Virago, London, 1986.
- Beer, Gillian, *Darwin's Plots*, Routledge, London, 1983.
- , 'Eve Was the First Scientist . . .' in *Women's Review*, Issue 11, September 1986.
- Bereano, Philip, Bose, Christine and Arnold, Erik, 'Kitchen Technology and the Liberation of Women from Housework' in Wendy Faulkner and Erik Arnold (eds), *Smothered by Invention*, Pluto Press, London, 1985.

- Bergson, Henri, *Laughter: an Essay on the Meaning of the Comic* (1911), Anchor Books, London, 1956.
- Bigsby, C. W. E. (ed.), *Superculture: American Popular Culture and Europe*, Elek, London, 1975.
- Birke, Linda, *Women, Feminism and Biology: the Feminist Challenge*, The Harvester Press, Brighton, 1986.
- and Silvertown, Jonathan (eds), *More Than the Parts: Biology and Politics*, Pluto Books, London, 1984.
- Blackwood, Evelyn (ed.), *The Many Faces of Homosexuality*, Harrington Park Press, New York and London, 1986.
- Blake, Kathleen, *Love and The Woman Question in Victorian Literature: the Art of Self Postponement*, Harvester Press, Brighton, 1983.
- Blamires, Harry, *The Age of Romantic Literature*, Longman, Harlow, 1989.
- Bleier, Ruth, *Science and Gender*, Pergamon Press, New York and Oxford, 1984.
- , *Feminist Approaches to Science*, Pergamon Press, New York and Oxford, 1986.
- Bloom, Harold, *Kabbalah and Criticism*, The Seabury Press, New York, 1975.
- Booker, Keith M., 'Woman on the Edge of a Genre: the Feminist Dystopias of Marge Piercy' in *Science Fiction Studies*, Vol. 21, 1994.
- Botting, Fred, *Making Monstrous: Frankenstein, Criticism, Theory*, Manchester University Press, 1991.
- Bowler, Peter J., *Evolution: the History of an Idea*, University of California Press, Berkeley, LA and London, 1984.
- Bowman Albinski, Nan, *Women's Utopias in British and American Fiction*, Routledge, New York and London, 1988.
- Boyle, Charles, Wheale, Peter and Surgess, Brian, *People, Science and Technology: a Guide to Advanced Industrial Society*, Harvester Press, Brighton, 1984.
- Brighton Women and Science Group, *Alice Through the Microscope*, Virago, London, 1980.
- Brown, Stuart, Fauvel, John and Finnegan, Ruth (eds), *Conceptions of Inquiry*, Methuen in association with Open University Press, London and New York, 1981.
- Bukatman, Scott, *Terminal Identity: the Virtual Subject in Postmodern Science Fiction*, Duke University Press, Durham and London, 1993.
- Burdekin, Katharine, *Quiet Ways*, 1930 (see Constantine, Murray).
- , *Proud Man*, 1934 (see Constantine, Murray).
- , *Swastika Night*, Lawrence and Wishart, London, 1985.
- , *The End of This Day's Business*, Feminist Press, New York, 1989.
- Caldecott, Leonie and Leland, Stephanie (eds), *Reclaim the Earth*, Women's Press, London, 1983.
- Carr, Helen (ed.), *From My Guy to Sci-Fi: Genre and Women's Writing in the Post-modern World*, Pandora Press, London, 1989.
- Challoner, Len, *Electrical Age*, October, 1945 (see Fawcett collection).
- Chesler, Phyllis, *Women and Madness*, Avon Books, New York, 1972.
- Chodorow, Nancy, *The Reproduction of Mothering: Psychoanalysis and the Sociology of Gender*, University of California Press, Berkeley, Los Angeles and London, 1978.
- Clareson, Thomas (ed.), *SF: The Other Side of Realism*, Bowling Green University Popular Press, Ohio, 1971.
- Clarke, I. F., *The Pattern of Expectation*, Cape, London, 1979.

- Clynes, Manfred E. and Kline, Nathan S., 'Cyborgs and Space' in Chris Hables Gray (ed.), *The Cyborg Handbook*, Routledge, New York and London, 1995.
- Cockshut, A. O. J., *Man and Woman: a Study of Love and The Novel, 1740-1940*, Collins, London, 1977.
- Collins, Harry and Pinch, Trevor, *The Golem: What Everyone Should Know About Science*, Cambridge University Press, Cambridge, New York and Melbourne, 1993.
- Constantine, Murray (Katharine Burdekin), *Quiet Ways*, Thornton Butterworth, London, 1930.
- , *Proud Man*, Boriswood, London, 1934.
- Coote, Anna and Campbell, Beatrix, *Sweet Freedom*, Pan Books, London, 1982.
- Cornillon, S. K. (ed.), *Images of Women in Fiction: Feminist Perspectives*, Bowling Green University Popular Press, Ohio, 1972.
- Coward, Rosalind, *Patriarchal Precedents: Sexuality and Social Relations*, Routledge & Kegan Paul, London, 1983.
- Croft, Andy, 'Worlds without End Foisted upon the Future: Some Antecedents of 1984' in Christopher Norris (ed.), *Inside the Myth: Orwell, Views from the Left*, Lawrence & Wishart, London, 1984.
- Croghan, Anthony, *Science Fiction and the Universe of Knowledge: the Structure of an Aesthetic Form*, Coburgh Publications, London, 1981.
- Crowley, Helen and Himmelweit, Susan, *Knowing Women: Feminism and Knowledge*, Polity Press, Cambridge, 1992.
- Cruikshank, Margaret (ed.), *Lesbian Studies, Present and Future*, Feminist Press, New York, 1982.
- Csicsery-Ronay Jr, Istvan, 'The SF of Theory: Baudrillard and Haraway' in *Science Fiction Studies*, Vol. 18, 1991.
- Daly, Mary, *Gyn/Ecology: the Metaethics of Radical Feminism*, Women's Press, London, 1978.
- Davis, Elizabeth Gould, *The First Sex*, Dent, London, 1973.
- Dawkins, Richard, *The Selfish Gene*, Oxford University Press, Oxford and New York, 1989.
- De Beauvoir, Simone, *The Second Sex* (1949), Penguin Books, Harmondsworth, Middlesex, England, 1972.
- De Lauretis, Teresa, Huyssen, Andreas and Woodward, Kathleen (eds), *The Technological Imagination: Theories and Fictions*, Coda Press, Madison, Wisconsin, 1980.
- Del Rey, Lester, *The Best of C. L. Moore*, Ballantine, New York, 1975.
- , *The World of Science Fiction, 1926/76*, Garland, London and New York, 1980.
- Delany, Samuel, *The Jewel Hinged Jaw: Notes on the Language of Science Fiction*, Dragon Press, Elizabethtown, New York, 1977.
- Dolkart, Jane and Hartssock, Nancy, 'Feminist Visions of the Future' in *Quest*, Vol. 2, No. 1, 1975.
- Easlea, Brian, *Science and Sexual Oppression*, George Weidenfeld & Nicholson, London, 1981.
- , *Fathering the Unthinkable*, Pluto Press, London, 1983.
- Ehrenreich, Barbara, introduction to *Male Fantasies*, Vol. 1 (see Theweleit, Klaus).
- Eichler, Margrit and Scott, Hilda (eds), *Women in Futures Research*, Pergamon Press, Oxford, 1982.
- Engels, Frederick, *The Origin of the Family, Private Property and The State* (1902), Lawrence & Wishart, London (introduction by Eleanor Burke Leacock), 1972.

- Epstein, Isidore, *Judaism* (1959), Penguin, Harmondsworth, England, 1990.
- Ettorre, E. M., *Lesbians, Women and Society*, Routledge, London, Boston and Henley, 1980.
- Faderman, Lillian, *Surpassing the Love of Men*, Women's Press, London, 1985.
- Faludi, Susan, *Backlash: the Undeclared War against Women*, Chatto & Windus, London, 1991.
- Farley, Tucker, 'Realities and Fictions: Lesbian Visions of Utopia' in Rohrlich, Baruch and Hoffman (eds), *Women in Search of Utopia: Mavericks and Mythmakers*, Schocklen Books, New York, 1984.
- Farnham, Marynia and Lundberg, Ferdinand, *Modern Woman: The Lost Sex*, Harper & Bros., New York and London, 1947.
- Fawcett collection, London Guildhall University (selection of articles about women and technology from *Manchester Guardian* etc.).
- Fiedler, Leslie, 'Towards A Definition of Popular Literature' in Bigsby (ed.), *Super-culture: American Popular Culture and Europe*, Elek, London, 1975.
- Firestone, Shulamith, *The Dialectic of Sex*, Women's Press, London, 1979.
- Forbes, Caroline, 'London Fields' in *The Needle on Full*, Onlywomen Press, London, 1985.
- Ford, E. B., *Understanding Genetics*, Faber & Faber, London, 1979.
- Foucault, Michel, *The History of Sexuality: an Introduction* (1976), Penguin Books, Harmondsworth, Middlesex, England, 1981.
- Fowles, Jib (ed.), *The Handbook of Futures Research*, Greenwood Press, Westport, Conn. and London, 1978.
- Freud, Sigmund, *New Introductory Lectures in Psychoanalysis* (first published in *The Standard Edition of the Complete Psychological Works of Sigmund Freud*, Vol. 22, by the Hogarth Press and the Institute of Psycho-Analysis, London, 1964), Penguin Books, Harmondsworth, Middlesex, England, 1973.
- , *Civilization and Its Discontents* (1930), Hogarth Press, London, 1975.
- Friedan, Betty, *The Feminine Mystique* (1963), Penguin Books, Harmondsworth, Middlesex, England, 1965.
- Furman, Nelly, 'The Politics of Language: Beyond the Gender Principle' in Greene and Kahn (eds), *Making a Difference: Feminist Literary Criticism*, Methuen, London, 1985.
- Gamble, Sarah, "'Shamblau ... and others": the Role of the Female in the Fiction of C. L. Moore' in Armitt (ed.), *Where No Man Has Gone Before: Women and Science Fiction*, Routledge, London and New York, 1991.
- Gearhart, Nancy S. and Ross, Jean W., entry on Alice Hastings Sheldon (James Tiptree Jr) in Hal May (ed.), *Contemporary Authors*, Vol. 108, Gale Research Company, Detroit, Michigan, 1983.
- Gearhart, Sally Miller, 'An End To Technology: a Modest Proposal' in Rothschild (ed.), *Machina Ex Dea: Feminist Perspectives on Technology*, Pergamon Press, New York and Oxford, 1983.
- , *The Underground*, Women's Press, London, 1985.
- Gibson, William, *Neuromancer*, Grafton, London, 1986.
- , *Count Zero*, Grafton, London, 1987.
- Giedion, Siegfried, *Mechanization Takes Command*, Oxford University Press, 1948.
- Gilbert, Sandra M. and Gubar, Susan, *The Madwoman in the Attic*, Yale University Press, New Haven and London, 1979.
- , *No Man's Land*, Vol. 1, Yale University Press, New Haven and London, 1988.

- Gilligan, Carol, *In a Different Voice: Psychological Theory and Women's Development*, Harvard University Press, Cambridge, Mass. and London, 1982.
- Gilman, Charlotte Perkins, *Man Made World: or, Our Androcentric Culture*, T. Fisher Unwin, London, 1911.
- , *His Religion and Hers*, T. F. Unwin, London, 1924.
- , *The Living of Charlotte Perkins Gilman: an Autobiography*, D. Appleton, Century, New York, 1935.
- , *Women and Economics* (1898), Harper & Row, New York, 1966.
- , *Herland* (1914), Women's Press, London, 1979.
- , *The Yellow Wallpaper* (1892), Virago, London, 1981.
- Gloversmith, Frank (ed.), *Class, Culture and Social Change: a New View of the 1930s*, Harvester Press, Brighton, 1980.
- Gordon, Joan, 'Yin and Yang Duke It Out' in Larry McCaffrey, (ed.), *Storming the Reality Studio: a Casebook of Cyberpunk and Postmodern Science Fiction*, Duke University Press, Durham and London, 1991.
- Gramsci, Antonio, *Selections from Prison Notebooks* (1948–51), Lawrence & Wishart, London, 1971.
- Graves, Robert, *The Greek Myths*, Vol. 1, Penguin Books, Harmondsworth, Middlesex, England, 1955.
- and Hodge, Alan, *The Long Week-End: a Social History of Great Britain, 1918–1939*, Hutchinson, 1940.
- Green, Gayle and Kahn, Coppelia (eds), *Making a Difference: Feminist Literary Criticism*, Methuen, London, 1985.
- Green, Jen and Lefanu, Sarah, *Despatches From the Frontiers of the Female Mind*, Women's Press, London, 1985.
- Greenberg, Martin, *Fantastic Lives: Autobiographical Essays by Notable Science Fiction Writers*, Southern Illinois University Press, Carbondale, 1981.
- Greenberg, Martin H. and Olander, Joseph (eds), *Science Fiction of the 50s*, Avon Books, New York, 1979.
- Greenland, Colin, *The Entropy Exhibition: Michael Moorcock and The British 'New Wave' in Science Fiction*, Routledge, London, 1983.
- Griffiths, John, *Three Tomorrows: American British and Soviet Science Fiction*, Macmillan, London, 1980.
- Grunberger, Richard, *A Social History of the Third Reich*, Penguin Books, Harmondsworth, Middlesex, England, 1974.
- Gubar, Susan, 'C. L. Moore and The Conventions of Women's Science Fiction' in *Science Fiction Studies*, Vol. 7, Pt 1, 1980.
- Gunew, Sneja (ed.), *A Reader in Feminist Knowledge*, Routledge, London and New York, 1991.
- Hales, Mike, *Science or Society: the Politics of the Work of Scientists*, Pan Books, London, 1982.
- Haraway, Donna, J., 'A Cyborg Manifesto: Science, Technology, and Socialist-Feminism in the Late Twentieth Century' (1985) in *Simians, Cyborgs and Women: the Reinvention of Nature*, Free Association, Books, London, 1991.
- , 'Situated Knowledges: the Science Question in Feminism and the Privilege of Partial Perspective' (1988) in *Simians, Cyborgs and Women: the Reinvention of Nature* (as above).
- , *Primate Visions: Gender, Race and Nature in the World of Modern Science* (1989), Verso, London and New York, 1992.

- Haraway, Donna, J., 'Cyborgs and Symbionts Living Together in the New World Order' in Chris Hables Gray (ed.), *The Cyborg Handbook*, Routledge, New York and London, 1995.
- , *Modest_Witness@Second_Millennium.FemaleMan©_Meets_OncoMouseTM: Feminism and Technoscience*, Routledge, New York and London, 1997.
- Harding, Sandra, *The Science Question in Feminism*, Open University Press, Milton Keynes, 1986.
- , *Whose Science? Whose Knowledge?* Cornell University Press, New York, 1991.
- , 'How The Women's Movement Benefits Science: Two Views' in Gill Kirkup and Laurie Smith Keller (eds), *Inventing Women: Science, Technology and Gender*, Polity Press, Cambridge, 1992.
- Harding, Sandra and Hintikka, Merrill (eds), *Discovering Reality: Feminist Perspectives on Epistemology, Metaphysics, Methodology and Philosophy of Science*, Reidel, Dordrecht, 1983.
- Heim, Michael, 'The Erotic Ontology of Cyberspace' in Benedikt, Michael (ed.), *Cyberspace First Steps*, MIT Press, Cambridge Massachusetts and London, 1992.
- Heldreth, Lillian M, "'Love is the Plan, the Plan is Death": The Feminism and Fatalism of James Tiptree Jr', in *Extrapolation*, Vol. 23, No. 1, 1982.
- Henderson, Hazel, 'The Warp and The Weft: the Coming Synthesis of Eco-Philosophy and Eco-Feminism' in Caldecott and Leland (eds), *Reclaim the Earth*, Women's Press, London, 1983.
- Herbert, Rosemary, entry on Margaret St Clair in Watson and Schellinger (eds), *Twentieth Century Science Fiction Writers* (3rd edition), St James Press, Chicago and London, 1991.
- Hill, Mary A., *Charlotte Perkins Gilman: the Making of a Radical Feminist 1860–1896*, Temple University Press, Philadelphia, 1980.
- Hilton, Julian, 'Theatricality and Technology: Pygmalion and The Myth of the Intelligent Machine' in Göranson and Florin (eds), *Dialogue and Technology – Art and Knowledge*, Springer-Verlag, Berlin and Heidelberg, 1991.
- Hoagland, Sarah Lucia and Penelope, Julia (eds), *For Lesbians Only*, Onlywomen Press, London, 1988.
- Hodges, Sheila, *Gollancz: the Story of a Publishing House 1928–1978*, Gollancz, London, 1978.
- Hofstadter, Richard, *Social Darwinism in American Thought*, George Braziller, New York, 1959.
- Hoggart, Richard, *The Uses of Literacy*, Penguin Books, Harmondsworth, Middlesex, England, 1957.
- Hollinger, Veronica, 'Cybernetic Deconstructions: Cyberpunk and Postmodernism' in Larry McCaffrey (ed.), *Storming the Reality Studio: a Casebook of Cyberpunk and Postmodern Science Fiction*, Duke University Press, Durham and London, 1994.
- Horney, Karen, *Feminine Psychology*, W. W. Norton & Co, New York and London, 1973.
- Houghton, Walter E., *The Victorian Frame of Mind*, Yale University Press, New Haven, 1957.
- Howarth, Patrick, *Play Up and Play The Game*, Eyre Methuen, London, 1973.
- Hubbard, R., Henifen, M. S. and Fried, B. (eds), *Women Look at Biology Looking at Women*, Schenkman Publishing, Cambridge, Mass., 1979.
- Hulton, Margaret (ed.), *Science and Technology in the Arts*, Van Nostrand Reinhold, London and New York, 1974.

- Huxley, Aldous, *Brave New World*, Chatto and Windus, London, 1950 (includes author's preface).
- , *Brave New World* (1932), Grafton Books, London, 1977.
- Innes, Mary M. (trans.), *The Metamorphoses of Ovid*, Penguin Books, Harmondsworth, Middlesex, England, 1955.
- Iragaray, Luce, 'This Sex Which is Not One' (excerpt) in Elaine Marks and Isabelle de Courtivron, (eds), *New French Feminisms: An Anthology*, Harvester Wheatsheaf, New York and London, 1981.
- Isaacs, Leonard, *Darwin to Double Helix*, Butterworth, London, 1977.
- Jackson, Rosemary, *Fantasy: the Literature of Subversion*, Methuen, London and New York, 1981.
- Jacobus, Mary (ed.), *Women Writing and Writing About Women*, Croom Helm, Kent, 1979.
- Jacobus, Mary, Keller, Evelyn Fox and Shuttleworth, Sally (eds), *Body/Politics: Women and The Discourses of Science*, Routledge, New York and London, 1990.
- Janeway, Elizabeth, *Between Myth and Morning: Women Awakening*, William Morrow, New York, 1974.
- Johnston, Jill, *Lesbian Nation: the Feminist Solution*, Simon & Schuster, New York, 1973.
- Jordanova, Ludmilla, *Language of Nature*, Free Association Books, 1985.
- , *Sexual Visions: Images of Gender in Science and Medicine Between the Eighteenth and Twentieth Centuries*, Harvester Wheatsheaf, London, 1989.
- Kamuf, Peggy (ed.), *A Derrida Reader: Between the Blinds*, Harvester Wheatsheaf, London and New York, 1991.
- Karpf, Anne, 'Recent Feminist Approaches to Women and Technology' in Maureen McNeil (ed.), *Gender and Expertise*, Free Association Books, London, 1987.
- Kaveney, Roz, 'The Science Fictiveness of Women's Science Fiction' in Carr (ed.), *From My Guy to Sci-Fi: Genre and Women's Writing in the Postmodern World*, Pandora Press, London, 1989.
- Keller, Evelyn Fox, 'Women, Science and Popular Mythology' in Rothschild (ed.), *Machina Ex Dea: Feminist Perspectives on Technology*, Pergamon Press, New York, London, Ontario, 1983.
- Keller, Laurie Smith, 'Discovering and Doing: Science and Technology, An Introduction' in Gill Kirkup and Laurie Smith Keller (eds), *Inventing Women: Science, Technology and Gender*, Polity Press, Cambridge, 1992.
- Kennard, Jean E., 'Ourself Behind Ourselves: a Theory for Lesbian Readers' in *Signs: Journal of Women in Culture and Society*, Vol. 9, No. 4, 1984.
- Kermode, Frank, *The Romantic Image*, Routledge, London, 1957.
- , *The Sense of an Ending*, Oxford University Press, Oxford and New York, 1966.
- Keulen, Margarete, *Radical Imagination: Feminist Conceptions of the Future in Ursula Le Guin, Marge Piercy and Sally Miller Gearhart*, Peter Lang, Frankfurt, Bern, New York and Paris, 1991.
- King, Betty, *Women of the Future*, Scarecrow Press, London, 1984.
- King, Ynestra, 'The Eco-Feminist Imperative' in Caldecott and Leland (eds), *Reclaim The Earth*, Women's Press, London, 1983.
- Kinsey, A. C. et al., *Sexual Behaviour in the Human Female*, W. B. Saunders, 1953.
- Klein, Melanie, *Love, Guilt and Reparation and Other Works, 1921–1945*, Dell, New York, 1975.

- Koonz, Claudia, *Mothers in the Fatherland: Women, the Family and Nazi Politics*, Methuen, London, 1987.
- Kramarae, Cherie (ed.), *Technology and Women's Voices*, Routledge, London and New York, 1988.
- Kranzler, Laura, 'Frankenstein and the Technological Future' in *Foundation: The Review of Science Fiction*, No. 44, Winter 1988–89.
- Kristeva, Julia, *Desire in Language: a Semiotic Approach to Literature and Art*, Basil Blackwell, Oxford, 1980.
- , 'Women's Time' in Moi (ed.), *The Kristeva Reader*, Basil Blackwell, Oxford, 1986.
- Kuper, Adam, *The Invention of Primitive Society: Transformations of an Illusion*, Routledge, London, 1988.
- Lapham, Lewis H., introduction to Marshall McLuhan, *Understanding Media*, MIT Press, Cambridge, Massachusetts and London, 1994.
- Late Show (The)*, 'Degenerate Art', BBC2, 20 May 1992.
- Le Guin, Ursula, *The Left Hand of Darkness*, Futura, London, 1969.
- , introduction to James Tiptree Jr, *Star Songs of an Old Primate*, Del Rey, Baltimore, 1978.
- , *The Language of the Night*, G. P. Putnam's Sons, New York, 1979.
- Lechte, John, *Fifty Key Contemporary Thinkers: from Structuralism to Postmodernity*, Routledge, London and New York, 1994.
- Lefanu, Sarah, *In The Chinks of the World Machine: Feminism and Science Fiction*, Women's Press, London, 1988.
- , 'Popular Writing and the Feminist Intervention in Science Fiction' in Longhurst (ed.), *Gender, Genre and Narrative Pleasure*, Unwin, Hyman, London, 1989.
- Left News*, Nos 50 and 54, Gollancz, London, July and December 1940.
- Leland, Stephanie, 'Feminism and Ecology: Theoretical Connections' in Caldecott and Leland, 1983.
- Lessing, Doris, 'Between the Fax and The Fiction' in the *Guardian*, London and Manchester, 13 December 1992.
- Levin, Ira, *The Stepford Wives*, Michael Joseph, London, 1972.
- Lewis, Jane, 'In Search of a Real Equality: Women between the Wars' in Glover-Smith (ed.), *Class, Culture and Social Change: a New View of the 1930s*, Harvester Press, Brighton, 1980.
- Livingston, Dennis, 'The Utility of Science Fiction' in Fowles (ed.), *The Handbook of Futures Research*, Greenwood Press, Westport, Conn. and London, 1978.
- Longhurst, Derek (ed.), *Gender, Genre and Narrative Pleasure*, Unwin, Hyman, London, 1989.
- Lorenz, Konrad, *On Aggression*, Harcourt Brace & World, New York, 1966.
- McLuhan, Marshall Herbert, *Understanding Media: the Extensions of Man*, Routledge & Kegan Paul, London, 1964.
- , *The Mechanical Bride* (1951), Routledge, London, 1967.
- McNeil, Maureen (ed.), *Gender and Expertise*, Free Association Books, London, 1987.
- Malik, Rex (ed.), *Future Imperfect, Science Fact and Science Fiction*, Pinter, London, 1980.
- Maller, Rabbi Allen S., *God, Sex and Kabbalah (Messianic Speculations)*, Ridgefield Publishing Company, Los Angeles, 1983.
- Malthus, Thomas Robert, *An Essay on the Principle of Population* (1872) (2 vols), J. M. Dent & Sons, London, and E. P. Dutton & Co, New York, 1958.

Manchester Guardian (see Fawcett Collection).

Marcuse, Herbert, *Five Lectures: Psychoanalysis, Politics and Utopia*, Allen Lane, The Penguin Press, London, 1970.

—, *One Dimensional Man* (1964), Sphere Books, London, 1972.

Marx, Leo, *The Machine in the Garden*, Oxford University Press, New York, 1964.

Mason, Carol, Greenberg, Martin Harry and Warwick, Patricia (eds), *Anthropology through Science Fiction*, St. Martin's Press, New York, 1974.

May, Hal (ed.), *Contemporary Authors*, Vol. 108, Gale Research Company, Detroit, Michigan, 1983.

Mead, Margaret, *Male and Female* (1950), Penguin Books, Harmondsworth, Middlesex, England, 1962.

Meek, Ronald L., *Social Science and the Ignoble Savage*, Cambridge University Press, 1976.

Merchant, Carolyn, *The Death of Nature: Women, Ecology and The Scientific Revolution*, Wildwood House, London, 1982.

Merrill, Judith, 'What Do You Mean: Science? Fiction?' in Claerson (ed.), *SF: the Other Side of Realism*, Bowling Green University Popular Press, 1971.

Mill, John Stuart, *The Subjection of Women*, Longman, Green, Reader and Dyer, London, 1869.

Millett, Kate, *Sexual Politics* (1969), Ballantine, New York, 1978.

Mitchell, Juliet, *Psychoanalysis and Feminism*, (1974), Penguin Books, London and New York, 1990.

Modleski, Tania, *Loving with a Vengeance: Mass Produced Fantasies for Women*, Routledge, New York and London, 1990.

Moi, Toril (ed.), *The Kristeva Reader*, Basil Blackwell, Oxford, 1986.

Monk, Patricia, 'Frankenstein's Daughters: the Problem of the Feminine Image in Science Fiction' in Teunissen (ed.), *Other Worlds*, Mosaic, Canada, 1980.

Moore, C. L., 'No Woman Born' (1944) in del Rey (ed.), *The Best of C. L. Moore*, Ballantine, New York, 1975.

Morgan, Lewis Henry, *Ancient Society* (1878), University of Arizona Press, Tucson, 1985.

Morris, Desmond, *The Illustrated Naked Ape* (1969), Cape, London, 1986.

Mowat, Charles Loch, *Britain between the Wars, 1918–1940*, Methuen, London, 1955.

Mumford, Lewis, *Technics and Civilization*, Routledge, London, 1934.

Myers, Robert E. (ed.), *The Intersection of Science Fiction and Philosophy*, Greenwood, London, 1983.

Newton, Judith L., *Women, Power and Subversion*, University of Georgia Press, 1981.

Nicholls, Peter, *The Encyclopaedia of Science Fiction*, Dolphin, New York, 1979.

— (ed.), *The Science in Science Fiction*, Joseph, London, 1982.

Nicholson, Linda J. (ed.), *Feminism/Postmodernism*, Routledge, London, 1990.

Norris, Christopher (ed.), *Inside the Myth: Orwell, Views from the Left*, Lawrence & Wishart, London, 1984.

Novak, Marcos, 'Liquid Architectures in Cyberspace' in Benedikt, Michael (ed.), *Cyberspace First Steps*, MIT Press, Cambridge, Massachusetts and London, 1991.

—, 'Transmitting Architecture: the Transphysical City' in *Ctheory*, www.ctheory.com/a34-transmitting_arch.html (accessed in November, 1998).

Orwell, George, *Nineteen Eighty-Four* (1949), Secker & Warburg, London, 1984.

Pacey, Arnold, *The Culture of Technology*, Basil Blackwell, Oxford, 1983.

- Pagetti, Carlo, 'In the Year of Our Lord Hitler 720: Katharine Burdekin's *Swastika Night*' in *Science Fiction Studies*, Vol. 17, Pt 3, 1990.
- Palmeri, Ann, 'Charlotte Perkins Gilman: Forerunner of a Feminist Social Science' in Harding and Hintikka (eds), *Discovering Reality: Feminist Perspectives on Epistemology, Metaphysics, Methodology and Philosophy of Science*, Reidel, Dordrecht, 1983.
- Parrinder, Patrick, *Science Fiction: A Critical Guide*, Longman, New York, 1979.
- , *Science Fiction, Its Criticism and Teaching*, Methuen, London, 1980.
- Parry, Gareth, 'Virtual Aliyah: Cyborg Theory and Marge Piercy's *Body of Glass*' (unpublished paper), 1999.
- Patai, Daphne, *The Orwell Mystique: a Study in Male Ideology*, University of Massachusetts Press, Amherst, 1984.
- , 'Orwell's Despair, Burdekin's Hope: Gender and Power in Dystopia' in *Women's Studies International Forum*, Vol. 7, No. 2, 1984.
- , introduction to 1985 edition of *Swastika Night* (see Burdekin, Katharine).
- Pearson, Carol, 'Beyond Governance: Anarchist Feminism in the Utopian Novels of Dorothy Bryant, Marge Piercy and Mary Staton' in *Alternative Futures, The Journal of Utopian Studies*, Winter, 1981.
- Pei, Lowry, 'Poor Singletons: Definitions of Humanity in the Stories of James Tiptree Jr' in *Science Fiction Studies*, No. 19, Vol. 6, Pt 3, 1979.
- Pfaelzer, Jean, 'The Changing of the Avant Garde: the Feminist Utopia' in *Science Fiction Studies*, Vol. 15, Pt 3, 1988.
- Piercy, Marge, *Women on the Edge of Time*, Women's Press, London, 1979.
- , *Body of Glass*, Penguin Books, London, 1992.
- Pildes, Judith, 'Mothers and Daughters: Understanding the Roles' in *Frontiers: Women's Studies Program, University of Colorado*, Vol. 3, No. 2, 1978.
- Plant, Sadie, 'On the Matrix: Cyberfeminist Simulations' in Rob Shields (ed.), *Cultures of Internet: Virtual Spaces, Real Histories, Living Bodies*, Sage, London, 1996.
- Platt, Charles, *Dream Makers: Science Fiction and Fantasy Writers at Work*, Xanadu, London, 1987.
- Poirier, Richard, *The Renewal of Literature*, Random House, New York, 1987.
- Poovey, Mary, *The Proper Lady and the Woman Writer*, University of Chicago Press, Chicago and London, 1984.
- Porush, David, *The Soft Machine: Cybernetic Fiction*, Methuen, London and New York, 1985.
- Potter, Allen M., Fotheringham, P. and Kellas, J. G., *American Government and Politics*, Faber & Faber, London and Boston, 1955.
- Pratt, Annis, *Archetypal Patterns in Women's Fiction*, Harvester Press, Brighton, 1982.
- Rabkin, Eric S., *Science Fiction: a Historical Anthology*, Oxford University Press, 1983.
- Radford, Jean (ed.), *The Progress of Romance: the Politics of Popular Fiction*, Routledge, London, 1986.
- Radstone, Susannah (ed.), *Sweet Dreams: Sexuality, Gender and Popular Fiction*, Lawrence & Wishart, London, 1986.
- Reed, Evelyn, *Women's Evolution*, Pathfinder, New York, 1975.
- Reich, Wilhelm, *The Mass Psychology of Fascism* (1946), Penguin Books, Harmondsworth, Middlesex, England, 1970.
- Reiss, Timothy J., *The Discourse of Modernism*, Cornell University Press, London, 1982.
- Rich, Adrienne, *Of Woman Born*, W. W. Norton, New York and London, 1986.

- , *Blood, Bread and Poetry: Selected Prose, 1979–1985*, Virago, London, 1987.
- Ricoeur, Paul, *Time and Narrative*, Vol. 3, The University of Chicago Press, Chicago and London, 1988.
- Rigney, Barbara Hill, *Madness and Sexual Politics in the Feminist Novel*, University of Wisconsin Press, London, and Madison, Wisc., 1978.
- Roberts, Robin, 'Post-Modernism and Feminist Science Fiction' in *Science Fiction Studies*, Vol. 17, Pt 2, 1990.
- Rohrlich, Ruby and Buruch, Elaine Hoffman (eds), *Women in Search of Utopia: Mavericks and Mythmakers*, Schocken Books, New York, 1984.
- Rorty, Richard, *Contingency, Irony and Solidarity*, Cambridge University Press, Cambridge, 1989.
- , *Philosophy and the Mirror of Nature* (1980), Basil Blackwell, Oxford, 1991.
- , 'Feminism and Pragmatism' in *Radical Philosophy*, Autumn, 1991.
- Rorvik, David, *As Man Becomes Machine*, Abacus Books, London, 1975.
- Rose, Hilary, 'Hand, Brain and Heart: a Feminist Epistemology for the Natural Sciences' in *Signs: Journal of Women in Culture and Society*, Vol. 9, No. 1, Autumn, 1983.
- Rose, Mark (ed.), *Science Fiction: a Collection of Critical Essays*, Prentice-Hall, Englewood Cliffs, New Jersey, 1976.
- Rosenberg, Rosalind, *Beyond Separate Spheres: Intellectual Roots of Modern Feminism*, Yale University Press, London and New Haven, 1982.
- Rosinsky, Natalie, entry on C. L. Moore in Watson and Schellinger (eds), *Twentieth Century Science Fiction Writers* (3rd edn), St James Press, Chicago and London, 1991.
- Roszak, Theodore, *The Making of a Counter Culture*, Faber & Faber, London, 1969.
- Rothschild, Joan, *Machina Ex Dea*, Pergamon Press, Oxford and New York, 1983.
- Rowbotham, Sheila, *Women in Movement: Feminism and Social Action*, Routledge, New York and London, 1992.
- Russ, Joanna, 'The Image of Women in Science Fiction' in Cornillon (ed.), *Images of Women in Fiction: Feminist Perspectives*, Bowling Green University Popular Press, Ohio, 1972.
- , 'Recent Feminist Utopias' in Barr (ed.), *Future Females*, Bowling Green University Popular Press, Ohio, 1981.
- , *The Female Man* (1975), The Women's Press, London, 1985.
- Russell, Dora, *The Religion of the Machine Age*, Routledge, London, 1983.
- Sargent, Pamela, *Women of Wonder: Sf Stories by Women about Women*, Penguin Books, Harmondsworth, Middlesex, England, 1978.
- (ed.), *New Women of Wonder*, Penguin Books, Harmondsworth, Middlesex, England, 1979.
- Schiebinger, Londa, *The Mind Has No Sex? Women in the Origins of Modern Science*, Harvard University Press, Cambridge, Mass. and London, 1989.
- Schenk, H. G., *The Mind of the European Romantics* (1966), Oxford University Press, Oxford, New York, Toronto and Melbourne, 1979.
- Scholem, Gershom Gerhard, *On the Kabbalah and Its Symbolism* (trans. Ralph Manheim), Routledge & Kegan Paul, London, 1965.
- Scholes, Robert, *Structural Fabulation*, University of Notre Dame Press, Notre Dame and London, 1975.
- Scholes, Robert and Rabkin, Eric S., *Science Fiction: History, Science, Vision*, Oxford University Press, London, Oxford and New York, 1977.

- Schur, Edwin M., *Labeling Women Deviant: Gender, Stigma and Social Control*, Temple University Press, Philadelphia, 1983.
- Seal, Julie Leudke, 'James Tiptree Jr: Fostering the Future, Not Condemning It' in *Extrapolation*, Vol. 31, No. 1, Spring 1990.
- Segal, Hanna, *Introduction to the Work of Melanie Klein*, Hogarth Press, London, 1973.
- Shands, Kerstin W., *The Repair of the World: the Novels of Marge Piercy*, Greenwood Press, Westport, Conn. and London, 1994.
- Shelley, Mary W., *Frankenstein: or, the Modern Prometheus* (1818), Oxford University Press, 1969 (reprint of 1831 edition containing Shelley's own introduction).
- , *Frankenstein: or, the Modern Prometheus*, Everyman, London, 1985.
- Shinn, Thelma J., *Worlds Within Women: Myth and Mythmaking in Fantastic Literature by Women*, Greenwood, New York, 1986.
- Shippey, T. A., 'The Cold War in Science Fiction, 1940–1960' in Parrinder (ed.), *Science Fiction: a Critical Guide*, Longman, New York, 1979.
- Showalter, Elaine, *A Literature of Their Own*, Princeton University Press, 1977.
- (ed.), *The New Feminist Criticism*, Virago, London, 1986.
- Siegel, Mark, *James Tiptree Jr*, Starmont Readers Guide 22, Starmont House, Washington, USA, 1985.
- , 'Love Was the Plan, The Plan Was . . . : a True Story about James Tiptree Jr' in *Foundation: The Review of Science Fiction*, No. 44, Winter, 1988/89.
- Silverberg, Robert, 'Who Is Tiptree, What Is He?' in James Tiptree Jr, *Warm Worlds and Otherwise*, Ballantine, New York, 1975.
- Sjöö, Monica and Mor, Barbara, *The Great Cosmic Mother: Rediscovering the Religion of the Earth*, Harper & Row, San Francisco, 1987.
- Smith, Jeffrey D. (ed.), *Khatru* 3 and 4, Phantasmicon Press, Baltimore, 1975.
- Spender, Dale, *Women of Ideas (and What Men Have Done to Them)*, Ark Paperbacks, London, 1983.
- , *For the Record: the Making and Meaning of Feminist Knowledge*, Women's Press, London, 1985.
- Sperry, Roger, *Science and Moral Priority*, Basil Blackwell, Oxford, 1983.
- Srajek, Martin C., *In the Margins of Deconstruction: Jewish Conceptions of Ethics in Emmanuel Levinas and Jacques Derrida*, Kluwer Academic Publishers, Dordrecht, Boston and London, 1998.
- St Clair, Margaret, 'Short In The Chest' (1954) in Greenberg and Olander (eds), *Science Fiction of the 50s*, Avon Books, New York, 1979.
- , 'Wight in Space: an Autobiographical Sketch' in Greenberg (ed.), *Fantastic Lives: Autobiographical Essays by Notable Science Fiction Writers*, Southern Illinois University Press, Carbondale, 1981.
- Stabile, Carol A., *Feminism and the Technological Fix*, Manchester University Press, Manchester and New York, 1994.
- Stableford, Brian, 'The Modern Period, 1964–86' in Barron (ed.), *Anatomy of Wonder: a Critical Guide to Science Fiction*, Bowker, New York and London, 1987.
- , 'Feminism and Sf: a Few More Crocodile Tears?' in *Foundation, the Review of Science Fiction*, No. 43, Summer 1988.
- Steffen-Fluhr, Nancy, 'The Case of the Haploid Heart: Psychological Patterns in the Science Fiction of Alice Sheldon ("James Tiptree Jr")' in *Science Fiction Studies*, Vol. 17, Pt 2, July 1990.
- Stephenson, Jill, *Women in Nazi Society*, Croom Helm, London, 1975.

- , *The Nazi Organisation of Women*, Croom Helm, London, 1981.
- Sterling, Bruce (ed.), *Mirrorshades: the Cyberpunk Anthology*, HarperCollins, London, 1986.
- Stern, Megan, 'Medical Science and Utopian Bodies: A Comparison of *Frankenstein* and the Human Genome and Visible Human Projects' (unpublished paper), 1999.
- Stone, Allucquere Rosanne, 'Will the Real Body Please Stand Up? Boundary Stories about Virtual Cultures' in Michael Benedikt (ed.), *Cyberspace First Steps*, MIT Press, Cambridge, Mass. and London, 1991.
- Suvin, Darko, 'On The Poetics of the Science Fiction Genre' in Rose (ed.), *Science Fiction: A Collection of Critical Essays*, Prentice-Hall, Englewood Cliffs, New Jersey, 1976.
- , *Metamorphoses of SF*, Yale University Press, 1979.
- , *Positions and Presuppositions in Science Fiction*, Macmillan, London, 1988.
- Swindells, Julia, *Victorian Writing and Working Women*, Polity Press, Cambridge, 1985.
- Teunissen, John J. (ed.), *Other Worlds*, Mosaic, Canada, 1980.
- Thacker, Eugene, '[.../visible_human.html/digital anatomy and the hyper-texted body](http://www.ctheory.com/a60.html)' in *Ctheory*, www.ctheory.com/a60.html (accessed July, 1998).
- Theweleit, Klaus, *Male Fantasies*, Polity Press, Cambridge, 1987.
- , *Male Fantasies* (Vol. 2), Polity Press, Cambridge, 1989.
- Thompson, William Irwin, *The Time Falling Bodies Take To Light: Mythology, Sexuality and the Origins of Culture*, St. Martin's Press, New York, 1981.
- Tiptree Jr, James (Alice Hastings Sheldon), 'The Women Men Don't See' (1973) in Tiptree Jr *Warm Worlds and Otherwise*, Ballantine, New York, 1975.
- , 'A Momentary Taste of Being' (1975) in Tiptree Jr, *Star Songs of An Old Primate*, Del Rey, 1978.
- , 'Your Haploid Heart' in John W. Campbell (ed.), *Analog: Science Fiction Science Fact*, Vol. 84, No. 1, September, 1969 (also (revised) in Tiptree Jr, James, *Star Songs of An Old Primate*, Del Rey, 1978).
- Trescott, Martha Moore (ed.), *Dynamos and Virgins Revisited: Women and Technological Change in History*, Scarecrow Press, New Jersey and London, 1979.
- Trilling Lionel, *The Liberal Imagination*, Penguin Books, Harmondsworth, Middlesex, England, 1970.
- Usborne, Richard, *Clubland Heroes* (1953), Hutchinson, London, 1983.
- Valeska, Lucia, 'The Future of Female Separatism' in *Quest*, Vol. 2, No. 2, Fall 1975.
- Vance, Carol S., 'Social Construction Theory: Problems in the History of Sexuality' in D. Altman et al. (eds), *Which Homosexuality?* GMP, London, 1989; also in Crowley and Himmelweit (eds), *Knowing Women: Feminism and Knowledge*, Polity Press, Cambridge, 1992.
- Ward, Lester Frank, *Dynamic Sociology*, D. Appleton & Co., New York, 1883.
- , *Pure Sociology*, Macmillan, New York, 1903.
- , *Glimpses of The Cosmos*, G. P. Putnam's Sons, New York, 1913–18.
- Warner Jr, Harry, *All Our Yesterdays*, Advent Press, Chicago, 1969.
- Warwick, Patricia, *The Cybernetic Imagination in Science Fiction*, MIT Press, Cambridge, Mass. and London, 1980.
- Watson, John B., *Psychology from the Standpoint of a Behaviourist*, Lippincott, 1919.

- Watson, Noelle and Schellinger, Paul E. (eds), *Twentieth Century Science Fiction Writers* (3rd edn), St James Press, Chicago and London, 1991.
- Westkott, Marcia, 'Mothers and Daughters in the World of the Father', in *Frontiers: Women's Studies Program, University of Colorado*, Vol. 3, No. 2, 1978.
- Whitehead, Alfred North, *Science and The Modern World*, Cambridge University Press, 1926.
- Wiener, Norbert, *Cybernetics*, MIT Press, 1948.
- , *God & Golem Inc.*, Chapman and Hall, London, 1964.
- , *The Human Use of Human Beings: Cybernetics and Society* (1954), Sphere, London, 1968.
- Wilden, Anthony, *System and Structure*, Tavistock Publications, London, 1972.
- Williams, Keith, 'Back from the Future: Katharine Burdekin and Science Fiction in the 1930s in Maroula Joannou (ed.), *Women Writers of the 1930s: Gender, Politics and History*, Edinburgh University Press, 1999.
- Wilson, Edward O., *Sociobiology: the New Synthesis*, Belknap, Harvard University Press, Cambridge, Mass. and London, 1975.
- Wolf, Deborah Goleman, *The Lesbian Community*, University of California Press, 1979.
- Wolf, Naomi, *The Beauty Myth*, Vintage, London, 1990.
- Wolff, Charlotte, MD, *Love between Women*, Duckworth, London, 1971.
- Wollstonecraft, Mary, *A Vindication of the Rights of Women: with Strictures on Political and Moral Subjects* (1792), W. Strange, London, 1844.
- Wolmark, Jenny, 'Science Fiction and Feminism' in *Foundation: the Review of Science Fiction*, No. 37, Autumn, 1986.
- , *Aliens and Others: Science Fiction, Feminism and Postmodernism*, Harvester Wheatsheaf, London, 1993.
- Women and Beauty Magazine, *A Collection of Careers Planned for Women*, Sampson, Low, Marston & Co, London, 1946.
- Wright, Elizabeth, *Psychoanalytic Criticism: Theory in Practice*, Methuen, London, 1984.
- Wysor, Bettie, *The Lesbian Myth*, Random House, New York, 1974.
- Zagarell, Sandra A., 'Narrative of Community: the Identification of a Genre' in *Signs: Journal of Women in Culture and Society*, Vol. 13, No. 3, Spring, 1988.
- Zamyatin, Yevgeny, *We* (1924), Penguin Books, Harmondsworth, Middlesex, England, 1972.
- Zimmerman, Jan, *The Technological Woman: Interfacing with Tomorrow*, Praeger, New York, 1983.
- Zoline, Pamela, 'The Heat Death of the Universe' in *New Worlds*, No. 173, July 1967 (reprinted in Pamela Zoline, *Busy about the Tree Of Life*, Women's Press, London, 1988).

Index

- Aldiss, Brian *Trillion Year Spree* 4, 67, 69
- Ali, Tariq 113
- Amazons 31
- Amis, Kingsley 3, 65
- Analog* see *Astounding Stories*
- 'androcentric mystique' 4, 5
- androgyny 32, 38, 171
- angel/whore 49, 79
- 'angel-in-the-house' 38, 96
- anthropology 37, 109, 119, 145
- anti-Semitism 46
- Ardrey, Robert *The Territorial Imperative* 116
- artificial intelligence 78
- Asimov, Isaac 69, 198n; 'Three Laws of Robotics' 74, 75, 105, 171
- Astounding Science Fiction* see *Astounding Stories*
- Astounding Stories* 65, 107, 112, 195n, 202n
- atavism 36, 37, 40
- Auerbach, Nina 130
- Bacon, Francis 27
- 'Balanced Homemaker' 73, 96
- Balsamo, Anne 82
- Barr, Marleen 120
- Bartkowski, Frances 20, 35
- Baudrillard, Jean 4, 5
- Baym, Nina 29, 30
- BBC 59
- Beer, Gillian 7; *Darwin's Plots* 1, 31, 36
- behaviourism 70, 71, 92, 98–101, 104, 159
- Bergson, Henri *Laughter* 105
- blood 51, 52
- Bloom, Harold 169
- Booker, Keith M. 162
- Botting, Fred 176
- Brackett, Leigh 4
- Bradley, Marion Zimmer 4, 194n
- breeding animals 43, 46, 97, 121
- Bukatman, Scott *Terminal Identity* 158
- Bulldog Drummond* 24
- Burdekin, Katharine 4, 43, 66, 179; *Proud Man* 8, 42, 44, 56, 58–9, 190n; *Swastika Night* 8, 42–64, 65, 92, 96, 97, 98, 102, 115, 118, 120, 121, 125, 178, 180, 199–200n
- Burroughs, William S. 112
- Campbell, John W. 65
- Campbell, Joseph 69
- Capek, Karel 68
- capitalism 23, 133, 164
- Cartesian dualism 77, 84, 85, 173
- cartography 175, 181
- castration 27, 62
- Charnas, Suzy McKee 113
- Cherryh, C. J. 4
- children 12, 15, 18, 19, 21, 22, 35, 36, 39, 59, 96, 115, 141, 149, 189n
- Chodorow, Nancy 147
- civilisation 23, 28, 37, 43, 47, 120, 124
- class 45, 109, 175
- Clynes, Manfred E. 172
- Cockshut, A. O. J. *Man and Woman* 37, 38
- colonialism 48, 115, 172, 176
- communication 9, 70, 77, 84, 123, 124, 131, 143, 147, 148, 163
- communism 45, 68
- community 22, 34, 130, 131, 132, 141, 142, 148, 156, 157, 159, 160, 174, 176, 182; narrative of 133, 148–9, 156
- Constantine, Murray see Burdekin, Katharine
- 'conversation' 156, 207n
- counter-culture 9, 111, 112–13, 120, 121, 127, 203n
- cricket 24, 25

- Csicsery-Ronay, Istvan, Jr 4
 cybernetics 6, 9, 70–1, 98, 165, 174, 208n, 209n
 cyberpunk 10, 165–7, 170
 cyberspace 10, 167, 168–9, 170, 172, 173, 175
 cyborg 9, 75, 76, 77–8, 80, 81–3, 85, 86, 88, 158–60, 162, 165, 166, 167, 172, 173, 175, 176–7, 180, 196n, 209n; consciousness 164, 167; politics 182
- Daly, Mary 139, 143
 dancer 75, 85–6, 87
 Darwin, Charles 12, 14, 154, 189n;
 Descent of Man 32
 Darwin, Erasmus 11
 Darwinism 14, 15, 32
 degeneration 12, 15, 36
 del Rey, Lester 66
 Delany, Samuel 113
 denial 47, 53, 115, 124, 141, 142
 Derrida, Jacques 169, 170, 208n
 desire 39, 50, 87, 124
 Dickens, Charles 75
 domestic reform 15
 drama 33, 40
 drugs 92, 97, 104, 112, 199n, 209n
- Easlea, Brian 14, 27
 ecology 6, 28, 110, 128, 131
 education 22, 39, 100
 Ehrenreich, Barbara 46
Electrical Age 72
Entartete Kunst 59
 epistemology 159, 167, 179; cyborg 164; feminist 151–7, 170, 182; post-metaphysical 170
 Epstein, Isidore 160, 208n
 essentialism 7, 78, 150, 152, 154, 155, 158, 170, 209n
 ethnography 159
 eugenics 14, 16, 45, 51, 191n
 evolution 16, 18, 20, 21, 36, 39, 40, 82, 111, 119, 126, 145, 172; biological 111; planned 38–9; social 32, 51, 111
 evolutionary theory 6, 12, 14, 16–17, 24, 31, 36, 186n
 extrapolation 2, 4, 5, 109
Extrapolation 3
- family 23, 24, 44, 96, 97, 100, 114, 120; patriarchal 22, 171
 fandom 66–7, 91, 112, 113, 194n
Fantastic Universe 90
 fantasy 3, 49, 53, 55, 60, 61, 62, 74, 90, 122, 141
 Farnham and Lundberg 100, 104;
 Modern Woman: the Lost Sex 95–6
 fascism 42–64
 fatherhood 32, 33
 fear/dread of women 49, 57, 59, 60
 femininity 27, 32, 38, 39, 57, 79, 128, 129, 163, 166, 170, 173, 193n
 feminism 7, 8, 41, 42, 44, 45, 65, 77, 78, 96, 106, 108, 111, 113, 120, 129, 141, 151, 157; eco- 6, 134, 144; feminist objectivity 155
 Firestone, Shulamith 96, 97;
 The Dialectic of Sex 199n
 Fiske, John 14
 Forbes, Caroline ‘London Fields’ 10, 129, 132–4, 145–51, 156, 179, 182;
 The Needle on Full 132
 Ford, Henry 68, 69
 Foucault, Michel 50, 52, 173, 181
 ‘four stages theory’ 28
 Frankenstein complex 76;
 foods 210n; Inheritance 178–183; myth 9, 75, 78, 80, 89, 160, 175; Victor 76, 79, 84, 159, 164, 179–80, 182, 207n
Freikorpsmen see ‘soldier males’
 Freud, Sigmund 55, 58, 95, 96, 193n
 Friedan, Betty 74, 95; *The Feminine Mystique* 106
- Galaxy Science Fiction* 91, 112
 Galton, Francis 14
 Gamble, Sarah 9
 Gearhart, Sally Miller 153, 179;
 The Wagerground 10, 129, 131–44, 148, 150, 182, 205n
gematria see Kabbalah
 gender 2, 5, 6, 8, 32, 43, 64, 71, 77, 79, 82, 91, 92, 108, 109, 111, 113, 114, 119, 123, 126, 131,

- 142, 154, 160, 164, 166, 173, 174,
177, 178, 182
- genetics 8, 9, 110, 116–17, 118, 132,
174, 202n
- Gernsback, Hugo 3, 65
- Gibson, William *Count Zero* 167;
Neuromancer 165, 166, 167
- Gilligan, Carol *In A Different Voice*
134, 147, 149, 150
- Gilman, Charlotte Perkins 15, 17,
18, 20, 113, 178; *The Forerunner* 13,
20; *Herland* 8, 12–41, 83, 125–6,
128, 130, 179, 180, 181; *His Religion*
and Hers 35; *ManMade World* 186n;
With Her In Ourland 21; *Women*
and Economics 12, 16, 19, 22;
The Yellow Wallpaper 8
- Gold, Horace 91
- 'Golden Age' 9, 65, 108
- golem 161–2, 163
- Gordon, Joan 166
- Gramsci, Antonio 68–9
- Green, Jen 3
- Greenberg and Olander *Science Fiction*
of the 50s 90
- Greenberg, Martin *Fantastic Lives* 91
- Griffiths, John 74
- Grunberger, Richard 45, 46
- guilt 53–5, 61, 124, 146
- Hables Gray, Chris *The Cyborg*
Handbook 160
- Haggard, Henry Rider 24
- Haraway, Donna J., 155, 159, 167,
172, 180, 182; 'A Manifesto for
Cyborgs' 10, 65, 67, 77–8, 83–4,
85, 160, 170; *Primate Visions* 1
- Harding, Sandra 7, 118
- Heim, Michael 167, 168
- Henderson, Hazel 134
- Herbert, Rosemary 90
- hero 29, 30, 31, 33, 39, 40, 83, 92,
125, 126
- 'herstory' 31
- heterosexuality 29, 37, 38, 84, 132;
compulsory 129–30
- Hill, Mary A. 17, 20
- Hilton, Julian 81
- history 21, 26, 30, 39, 44, 49, 61, 101,
119, 134–7, 141, 142, 144,
145–6, 150, 151, 157, 160, 161,
163, 176, 180; of language 154
- Hitler 43, 44, 45, 46, 47, 50, 60, 61,
67, 190n, 191n, 192n
- Hollinger, Veronica 166
- Hollywood 73, 79
- homosexuality 44, 61, 129–30, 154,
203n
- Horney, Karen 8, 43, 55, 58–9, 190n,
193n
- housewives 72, 73, 96; 'housewife
heroine' 90, 96
- Howarth, Patrick *Play Up and Play The*
Game 24
- Howland, Marie Stevens 15
- Hugo Award 107
- humour 20, 35, 92, 94, 105
- Huxley, Aldous 98, 198n; *Brave New*
World 4, 92, 97–8, 199n
- hysteria 46, 51, 54
- information 165, 167; processing
70, 77; retrieval 168; theory 208n
- internet 173
- Iragaray, Luce 171
- Israel 162, 175, 209n
- Jews/Judaism 50, 160, 161–2, 163,
174, 175, 176, 177, 200n, 209n
- Kabbalah 160–2, 163, 164, 169–70,
174, 176, 177, 207n, 208n
- Keller, Evelyn Fox 6
- Keller, Laurie Smith 7
- Kermode, Frank *The Romantic*
Image 85–6, 87
- Khatru 3 & 4* 107, 113
- 'killing male' 49, 60, 61, 66
- King, Betty *Women of the Future* 79
- Kinsey report 99–100
- Klein, Melanie 8, 43, 52–4, 55, 190n
- Kline, Nathan S. 172
- knowledge 11, 18, 22, 43, 50, 84,
123, 127, 134, 145, 152–4, 155, 156,
159, 163, 176, 177, 179; female
129, 138, 141; Platonic 168–9,
208n; self 150–1, 183, 205n;
production of 151

- Kolodny, Annette 30
Kontaktsucht 46
 Koonz, Claudia *Mothers in the Fatherland* 46
 Kranzler, Laura 158
 Kristeva, Julia 10, 123, 125, 127, 135–6, 140, 151, 157, 205n
- Lacan, Jacques 42, 122, 205n
 language 66, 91, 92, 97, 98, 101–2, 123, 124–5, 142, 143–4, 150, 153, 159, 160–1, 163, 169, 170, 171, 173, 197n; computer 163, 167, 171–2, 177
 Lawrence and Wishart 42
 Le Guin, Ursula 108, 109, 113;
The Language of the Night 178;
The Left Hand of Darkness 4
 Lefanu, Sarah 3, 108, 116, 139, 201n;
In The Chinks of the World Machine 200n
 Left Book Club 42, 190n
 lesbian 10, 21, 32–3, 154, 156, 188n; community 131, 137; continuum 129; existence 140; feminism 129
 ‘literature of the beehive’ 12, 13, 19, 32, 33, 37, 39, 40
 Loew, Rabbi Judah 161, 163
 Lorenz, Konrad *On Aggression* 116
 ‘love machine’ 73, 74, 75, 77, 82, 97, 195n
- McCarthyism 102
 McIntyre, Vonda 113
 Maclean, Catherine 4
 McLuhan, Marshall 78, 87, 195n, 197n; *The Mechanical Bride* 65, 69–70, 73, 75, 86, 106; *Understanding Media* 196n
 McNeil, Maureen 152
 ‘male efflorescence’ 17, 19, 21, 27, 28, 31, 114, 186n
 Maller, Rabbi Allen S. 161
 Marcuse, Herbert 102, 103;
One Dimensional Man 101
 marriage 18, 32, 35, 38, 45, 76, 95, 96, 130, 159, 171, 195n
 Marxism 77, 151, 174
 masculinity 6, 8, 10, 13, 16–17, 24, 26–7, 28, 39, 45, 48, 52, 55, 57–8, 61–3, 66, 113, 115, 128, 129, 130, 132, 136, 150, 151, 162, 166, 170, 173, 179, 181, 182, 193n; matriarchy 23
 Mead, Margaret 109
 medicine 181
 Meek, Ronald L. 28
 memory 47, 48, 49, 60, 63, 98, 135, 139, 146, 191n
 Merrill, Judith 4
 Millett, Kate 113
 misogyny 46–7
 Mitchell, Juliet 58, 147
 Monk, Patricia 4
 monster/monstrosity 75, 76, 79, 84, 159, 160, 176, 177, 181–2, 207n; Frankenstein’s 84, 158–9, 163, 170, 176, 180
 Moore, C. L. 4, 92; ‘No Woman Born’ 9, 67, 75–89, 160, 164, 179, 181–2; ‘Shambleau’ 9, 67
 Morris, Desmond *The Naked Ape* 116
 motherhood 12, 13, 19, 20, 21, 22, 28, 33, 35, 36, 37, 45, 47, 52–4, 113, 114–15, 138, 146–7, 188n
 Mumford, Lewis 69
 ‘myth of objective consciousness’ 113, 120, 125, 126
 mythology 6, 7, 8, 29, 31, 40, 44, 50, 51, 64, 65, 68, 77, 78, 80–2, 85, 92, 116, 127, 135–9, 141–3, 145, 146, 147, 149, 150, 158, 160, 163, 164, 180, 182, 191n, 195–6n
- National Socialism *see* Hitler
 natural selection 14, 15, 19, 118
 Nazis 42–64, 120, 125, 178
 ‘nearly silent listener’ 10, 180
 Nebula Award 107, 108
 negotiation 148, 150, 151, 156
 ‘New Wave’ 112
New Worlds 9, 112, 185n, 201n
 Newbolt Man 24–6, 29, 30, 31
 Novak, Marcos 170
- object-relations theory 27, 43, 52
 oppression 5, 8, 43, 77, 78, 109,

- 110–11, 123, 124, 126, 129, 144, 145, 155, 174, 178
- Orwell, George *Nineteen Eighty-Four* 4, 8, 63, 92, 198n
- Pagetti, Carlo 61, 63
- Palmeri, Ann 32
- Pantheon Books 13
- Parrinder, Patrick 3
- Parry, Gareth 174–5
- parthenogenesis 16, 17, 18, 20, 21, 22, 132, 186n
- Patai, Daphne 42, 63, 190n
- patriarchy 15
- Pei, Lowry 116
- penetration anxiety 55, 60, 62
- penetrative metaphor 27, 28, 30
- penis envy 58, 95
- performance 71, 78, 79, 81, 86–8; anxiety 100
- Pfaelzer, Jean 144, 157
- phoenix 81, 82
- Piercy, Marge *Body of Glass (He, She and It)* 10, 158–77, 160, 179, 180, 182; *Woman on the Edge of Time* 160, 174, 199n
- Plant, Sadie 171
- Poe, Edgar Allan 4
- poetry 37, 38, 39
- popular fiction 24, 32, 39–40
- postmodernism 4, 65, 77, 155, 167, 170, 175, 182
- post-structuralism 169
- procreation 39, 47, 52
- programming 75, 96, 104
- prosthetics 71, 76
- pseudonyms 9, 42, 108
- psychoanalysis 6, 8, 42, 43, 49, 50, 58, 75, 95, 122, 129, 138, 143, 145, 147, 185n, 189n
- psychosis 43, 122, 192n
- Pygmalion and Galatea 78, 80–1, 87
- race/racism 15, 27, 28, 31, 32, 34, 36, 37, 40, 41, 43, 44, 45, 48, 51, 57, 61, 69, 77, 102, 109, 111, 118, 120, 126, 175, 189n, 202n
- rape 27, 44, 137, 173
- recrudescence 36, 37
- 'Reduction of Women' 43, 55, 57, 62, 96
- religion 14, 23, 31, 33, 37, 38, 43, 44, 46, 47, 60, 61, 63, 68, 95, 136, 140, 150, 163, 169–70, 174
- repression 48, 49, 50, 52, 63
- reproduction 16, 17, 45, 51, 52, 59, 75, 88, 97, 102, 121, 135, 144, 152, 165
- Rich, Adrienne 129, 138, 146, 147
- Ricoeur, Paul 139
- ritual 132, 138–40
- robot 68, 69, 72, 73–5, 81, 83, 90, 93, 95–7, 171
- Rogoff, Irit 59
- romance 20, 21, 24, 30, 31, 32, 33, 34, 37, 38, 39, 40, 91, 97
- Romantic ideal 78, 86, 87
- Rorty, Richard 153, 155; *Radical Philosophy* 156–7
- Rose, Hilary 151–2
- Rosinsky, Natalie 75
- Roszak, Theodore 113; *The Making of a Counter Culture* 203n
- Rothschild, Joan 204n; *Machina Ex Dea* 153
- Rousseau, Jean-Jacques *Discourse on the Origin of Inequality* 28
- Rowbotham, Sheila 12
- Russ, Joanna 113
- Russell, Dora 67
- Sargent, Pamela 90
- scapegoating 42, 50, 66, 141–2, 143, 156
- Schopenhauer, Arthur 32
- science 2, 7, 11, 67, 69, 84, 85, 100, 102, 115, 118–19, 120, 140, 152, 159, 161, 164, 179; and art 85; computer 168; language of 123; psychotherapy as 96; social 66, 126; and theory 1, 2, 7, 155, 178; scientific analysis 152; scientific discovery 30; scientific enquiry 129; scientific epistemology 111, 117, 121, 127, 150; scientific experiment 127; scientific imagination 23, 37; scientific

- science (*continued*)
 knowledge 2, 10, 111; Scientific Management 68; scientific method 125; scientific objectivity 39, 119, 126; scientific rationalism 32; scientific research 6; scientific thought 28
 science fiction (sf) 1, 2, 4, 111–12, 116, 184n; 'classic' 4; feminist 3, 128–57, 166; 'pulp' 9, 65, 69, 90, 171
 Seabright, Idris *see* St Clair, Margaret
 separatism 10, 129, 131, 150, 157
 sex/sexuality 33, 34–5, 39, 44, 50, 51, 52, 79, 80, 83, 91, 92, 95, 96, 100, 106, 107, 110–11, 112, 113, 121, 124, 131, 135, 152, 154, 171, 175
 sexual politics *see* feminism
 sexual selection 32
 'sexuo-economic relation' 18, 19, 20, 33, 36
 Sheldon, Alice (Raccoona) *see* Tiptree, James, Jr
 Shelley, Mary 4, 158, 178, 180, 181, 210n; *Frankenstein* 3, 10, 76, 78, 79, 159, 181
 Shippey, T. A. 67
 Siegel, Mark 107, 110
Signs 151
 Silverberg, Robert 108
 Smith, Jeffrey 113
 Social Darwinism 8, 16, 28, 116
 socialism 8
 sociobiology 6, 111, 116
 'soldier males' 46, 55, 62, 191n, 192n
 space opera 3
 Spender, Dale 14, 20
 St Clair, Margaret 4; 'Short in the Chest' 9, 90–106, 182
 Stabile, Carole A. 176
 Steffen-Fluhr, Nancy 108, 116
 Stephens, James 88
 Sterling, Bruce *Mirrorshades* 165, 166
 Stern, Megan 181, 210n
 Stone, Allucquere Rosanne 173
 suffragists 8, 17, 44, 151
 suicide 43, 55, 78, 83, 85, 111
 Sumner, William Graham 14, 15
 Suvin, Darko 4
 Taylor, Frederick W. 68
 technology 2, 6, 7, 9, 10, 15, 28, 66, 82, 83, 84, 87, 90, 119, 133, 150, 152, 159, 161, 165, 166, 170, 173, 174, 204n; bio- 77; computer 160; domestic 72; machine 62, 65–74, 76, 80, 81, 93–4, 103, 105, 112, 128, 131, 200n; new 167; visual 88, 155; technological determinism 101; technological society 100, 194n
 technoscience 6, 10, 164, 170, 171, 175, 177, 179–80, 182
 telepathy 131, 132, 134, 140, 143, 148
 television 73, 76, 80
 Thacker, Eugene 173
 Theweleit, Klaus 42; *Male Fantasies* 46, 49, 50, 55–6, 62–3
 Thompson, William Irwin *The Time Falling Bodies Take to Light* 116
 time 38, 39, 40, 43, 133, 134–41, 145, 151; travel 43
 Tiptree, James, Jr 5, 7, 107, 108, 113, 116; 'A Momentary Taste of Being' 115, 116, 201n; *Star Songs of an Old Primate* 108, 115; 'The Women Men Don't See' 108, 200n; 'Your Haploid Heart' 9, 110–27, 179, 180, 201n, 202n
Tom Brown's Schooldays 24
 Tomlinson, George 72
 totalitarianism 47, 64, 68, 92, 97, 112
 totemism 69, 87
 Trescott, Martha Moore *Dynamos and Virgins Revisited* 73
 Trilling, Lionel 100
 utopia 10, 15, 19, 21, 28, 33, 40, 98, 111, 128, 130, 141, 144, 155, 176, 178, 204n, 209n
 Verne, Jules 4
 Victor Gollancz 42
 violence 27, 56, 60–1, 62, 141–2, 144, 151, 156, 158, 162, 180, 182

- war 21, 43, 45, 46, 47, 91, 113; cold
93, 102, 172; World War I 191n,
193n; World War II 59, 66, 67, 69,
71, 72
- Ward, Lester Frank 16–17, 18, 20,
186n
- Watson, John B. 70, 92, 98, 99
- Weimar Republic 46
- Wells, H. G. 4
- Whale, James 158–9
- Wiener, Norbert 70, 76; *God & Golem
Inc.* 103; *The Human Use of Human
Beings* 71
- wilderness 29, 30, 31, 67, 125, 159
- Wilson, E. O. *Sociobiology: the New
Synthesis* 116
- Wingrove, David *Trillion Year Spree* 4
- Wolf, Naomi *The Beauty Myth* 73
- Wolff, Charlotte 137
- Wollstonecraft, Mary 181, 210n;
*Vindication of the Rights of
Women* 15
- Wolmark, Jenny 3, 5, 166, 174
- Woman and Beauty* 71
- women's culture 133, 134, 145, 148,
150, 156, 209n
- women's movement 9, 13, 15, 19, 49,
113, 128, 131
- Women's Press 10, 14
- Yarbro, Chelsea Quinn 113
- Yeats, W. B. 85
- Zagarell, Sandra A. 133, 148, 149,
156
- Zamyatin, Yevgeny *We* 92, 198n