

Andrew Fraser READ: PUBLICATIONS

MOST SIGNIFICANT PUBLICATIONS (2000–)

- de Roode, R.C., Pansini, R., Cheesman, S.J., Helinski, M.E.H., Huijben, S., Wargo, A.R., Bell, A.S., Chan, B.H.K., Walliker, D. & **Read, A.F.** (2005). Virulence and competitive ability in genetically diverse malaria infections. *Proceedings of the National Academy of Science USA* 102: 7624-7628.
- Blanford, S., Chan, B.H.K., Jenkins, N., Sim, D., Turner, R.J., **Read, A.F.** & Thomas, M.B. (2005) Fungal pathogen reduces potential for malaria transmission. *Science* 308: 1638-1641.
- Mackinnon, M.J. & **Read, A.F.** (2004). Immunity promotes virulence evolution in a malaria model. *PLoS Biology* 2 (9) e230 DOI: 10.1371/journal.pbio.0020230.
- Little, T.J., O'Connor, B., Colegrave, N., Watt, K. & **Read, A.F.** (2003). Maternal transfer of strain-specific immunity in an invertebrate. *Current Biology* 13: 489-492.
- Gandon, S., Mackinnon, M. J., Nee, S. & **Read, A.F.** (2001). Imperfect vaccines and the evolution of pathogen virulence. *Nature* 414: 751-756.
- Read, A.F.** & Taylor, L.H. (2001). The ecology of genetically diverse infections. *Science* 292: 1099-1102.

MOST PERSONALLY SATISFYING PUBLICATIONS

- Råberg, L., de Roode, J.C., Bell, A.S., Stamou, P., Gray, D. & **Read, A.F.** (2006). The role of immune-mediated apparent competition in genetically diverse malaria infections. *American Naturalist* 168: 41-53.
- Graham, A.L., Allen, J.E. & **Read, A.F.** (2005). Evolutionary causes and consequences of immunopathology. *Annual Review in Ecology, Evolution and Systematics* 36: 337-397.
- Read, A.F.**, Gandon, S., Nee, S. & Mackinnon, M.J. (2004). The evolution of pathogen virulence in response to animal and public health interventions. In: Dronamraj, K. (ed.) *Infectious Disease and Host-Pathogen Evolution*. pp 265-292. Cambridge University Press.
- de Roode, J.C., Culleton, R., Bell, A.S. & **Read, A.F.** (2004). Competitive release of drug resistance following drug treatment of mixed *Plasmodium chabaudi* infections. *Malaria Journal* .3: 33 doi:10.1186/1475-2875-3-33.
- Gemmill, A.W., Viney, M.E. & **Read, A.F.** (1997). Host immune status determines sexuality in a parasitic nematode. *Evolution* 51: 393-401.
- Read, A.F.** & Skorping, A. (1995). The evolution of tissue migration by parasitic nematode larvae. *Parasitology* 111: 359-371.
- Read, A.F.**, Anwar, M., Shutler, D. & Nee, S. (1995). Sex allocation and population structure in malaria and related parasitic protozoa. *Proceedings of the Royal Society of London Series B* 260: 359-363.

PEER-REVIEWED PUBLICATIONS

109. Mackinnon, M.J., Gandon, S., & Read, A.F. (submitted). Virulence evolution in response to vaccination: the case of malaria. *Vaccine* (invited review).
108. Thomas, M.B. & **Read, A.F.** Can fungal biopesticides control malaria? *Nature Microbiology Reviews* (invited article).

2006

107. Long, G.H., Chan, B.H.K., Allen, J.E., **Read, A.F.** & Graham, A.L. (2006). Parasite genetic diversity does not influence TNF-mediated effects on the virulence of primary rodent malaria infections. *Parasitology* 133: 673-684.

106. Grech, K., Watt, K. & **Read, A.F.** (2006). Host-by-parasite interactions for virulence and resistance in a malaria model system. *Journal of Evolutionary Biology* 19: 1620-1630.
105. Bell, A.S., de Roode, J.C., Sim, D. & **Read, A.F.** (2006) Within-host competition in genetically diverse malaria infections: parasite virulence and competitive success. *Evolution* 60: 1358-1371.
104. Råberg, L., de Roode, J.C., Bell, A.S., Stamou, P., Gray, D. & **Read, A.F.** (2006). The role of immune-mediated apparent competition in genetically diverse malaria infections. *American Naturalist* 168: 41-53.
103. Wargo, A.R., Randle, N., Chan, B.H.K., Thompson, J., **Read, A.F.** & Babiker, H. (2006) *Plasmodium chabaudi*: reverse transcriptase PCR (RT-PCR) for the detection and quantification of the transmission stage malaria parasites. *Experimental Parasitology* 112: 13-20.

2005

102. Mitchell, S.E. & **Read, A.F.** (2005). Poor maternal environment enhances offspring disease resistance in an invertebrate. *Proceedings of the Royal Society of London Series B* 272: 2601-2607.
101. Shutler, D., Reece, S.E., Mullie, A., Billingsley, P.F. & **Read, A.F.** (2005). Rodent malaria parasites *Plasmodium chabaudi* and *P. vinckei* do not increase their rates of gametocytogenesis in response to mosquito probing. *Proceedings of the Royal Society of London Series B* 272: 2397-2402.
100. de Roode, J.C., Helinski, M.E.H., Anwar, M. & **Read, A.F.** (2005). Dynamics of multiple infection and within-host competition in genetically diverse malaria infections. *American Naturalist* 166: 531-542.
99. Graham, A.L., Allen, J.E. & **Read, A.F.** (2005). Evolutionary causes and consequences of immunopathology. *Annual Review in Ecology, Evolution and Systematics* 36: 337-397.
98. Ferguson, H. M., Gouagna, L. C., Obare, P., Babiker, H., Githure, J., **Read, A. F.** & Beier, J. C. (2005) The presence of *Plasmodium falciparum* in human blood increases the gravidity of *Anopheles gambiae* mosquitoes. *American Journal of Tropical Medicine and Hygiene* 73: 312-320.
97. Little, T.J., Hultmark, D. & **Read, A.F.** (2005). Invertebrate immunity and the limits of mechanistic immunology. *Nature Immunology* 6: 651-654. doi:10.1038/ni1219.
96. Morrison, L.J., Majiwa, P.A.O., **Read, A.F.** & Barry, J.D. (2005). Probabilistic order in antigenic variation of *Trypanosoma brucei*. *International Journal for Parasitology* 35: 961-972.
95. Blanford, S., Chan, B.H.K., Jenkins, N., Sim, D., Turner, R.J., **Read, A.F.** & Thomas, M.B. (2005) Fungal pathogen reduces potential for malaria transmission. *Science* 308: 1638-1641.
94. de Roode, J.C., Pansini, R., Cheesman, S.J., Helinski, M.E.H., Huijben, S., Wargo, A.R., Bell, A.S., Chan, B.H.K., Walliker, D. & **Read, A.F.** (2005). Virulence and competitive ability in genetically diverse malaria infections. *Proceedings of the National Academy of Science USA* 102: 7624-7628.
93. Reece, S.E., Duncan, A.B., West, S.A. & **Read, A.F.** (2005) Host cell preferences and variable transmission strategies in malaria parasites. *Proceedings of the Royal Society of London Series B* 272: 511-517.
92. Mackinnon, M.J., Bell, A. & **Read, A.F.** (2005). The effects of mosquito transmission and population bottlenecks on virulence, multiplication rate and resetting in rodent malaria. *International Journal for Parasitology* 35: 145-153.
91. Mitchell, S.E., Rogers, E.S. & Little, T. & **Read, A.F.** (2005). Host-parasite and genotype by environment interactions: temperature modifies potential for selection by a sterilising pathogen. *Evolution* 59: 70-80.
90. Graham, A.J., Lamb, T.J., **Read, A.F.** & Allen, J.E. (2005). Malaria-filaria co-infection in mice makes malarial disease more severe unless filarial infection achieves patency. *Journal of Infectious Diseases* 191: 410-421.

2004

89. de Roode, J.C., Culleton, R., Bell, A.S. & **Read, A.F.** (2004). Competitive release of drug resistance following drug treatment of mixed *Plasmodium chabaudi* infections. *Malaria Journal* 3: 33 doi:10.1186/1475-2875-3-33.

88. Mackinnon, M.J. & **Read, A.F.** (2004). Immunity promotes virulence evolution in a malaria model. *PLoS Biology* 2 (9) e230 DOI: 10.1371/journal.pbio.0020230
87. Mitchell, S.E., **Read, A.F.** & Little, T. (2004). The effect of a pathogen epidemic on the genetic structure and reproductive strategy of the crustacean *Daphnia magna*. *Ecology Letters* 7: 848-858.
86. Ferguson, H.M. & **Read, A.F.** (2004). Mosquito appetite for blood is stimulated by malaria infections in themselves and their vertebrate hosts. *Malaria Journal* 3:12 (<http://www.malariajournal.com/content/3/1/12>).
85. Mackinnon, M.J. & **Read, A.F.** (2004). Virulence in malaria: an evolutionary viewpoint. *Philosophical Transactions of the Royal Society of London. Biological Sciences* 359: 965-986.
84. de Roode, J.C., Culleton, R., Cheesman, S.J., Carter, R. & **Read, A.F.** (2004). Host heterogeneity is a determinant of competitive exclusion or coexistence in genetically diverse malaria infections. *Proceedings of the Royal Society of London Series B* 271: 1073-1080.
83. Lamb, T.J., Le Goff, L., Kurniawan, A., Guiliano, D.B., Fenn, K., Blaxter, M.L., **Read, A.F.** & Allen, J.E. (2004). The majority of the response elicited against *Wolbachia* surface protein in filarial nematode infection is due to infective larval stage. *Journal of Infectious Diseases* 120: 120-127.

2003

82. Ferguson, H.M., Mackinnon, M.J., Chan, B.H. & **Read, A.F.** (2003). Mosquito mortality and the evolution of malaria virulence. *Evolution* 57: 2792-2804.
81. Guinnee, M.A., Gemmill, A.W., Chan, B.H.K., Viney, M.E. & **Read, A.F.** (2003). Host immune status affects maturation time in two nematode species – but not as predicted by a simple life history model. *Parasitology* 127: 507-512.
80. de Roode, J.C., **Read, A.F.**, Chan, B.H.K. & Mackinnon, M.J. (2003). Rodent malaria parasites suffer from the presence of conspecific clones in three-clone *Plasmodium chabaudi* infections. *Parasitology* 127: 411-418.
79. Reece, S.E., Duncan, A.B., West, S.A. & **Read, A.F.** (2003). Sex ratios in the rodent malaria parasite *Plasmodium chabaudi*. *Parasitology* 127: 419-425.
78. Cheesman, S.J., de Roode, J.C., **Read, A.F.** & Carter, R. (2003). Real-time quantitative PCR for analysis of genetically mixed infections of malaria parasites: technique validation and applications. *Molecular and Biochemical Parasitology* 131: 83-91.
77. Ferguson, H.M., Rivero, A. & **Read, A.F.** (2003). The influence of malaria parasite genetic diversity on mosquito feeding and fecundity. *Parasitology* 127: 9-19.
76. Gandon, S., Mackinnon, M., Nee, S. & **Read, A.F.** (2003). Imperfect vaccination: some epidemiological and evolutionary consequences. *Proceedings of the Royal Society of London Series B* 270: 1129-1136.
75. Little, T.J., O'Connor, B., Colegrave, N., Watt, K. & **Read, A.F.** (2003). Maternal transfer of strain-specific immunity in an invertebrate. *Current Biology* 13: 489-492.
74. Mackinnon, M.J. & **Read, A.F.** (2003). The effects of host immunity on virulence-transmissibility relationships in the rodent malaria *Plasmodium chabaudi*. *Parasitology* 126: 103-112.

2002

73. Gandon, S., Mackinnon, M. J., Nee, S. & **Read, A.F.** (2002). Anti-toxin vaccines and pathogen virulence. *Nature* 417: 610.
72. West, S.A., Smith, T.G., Nee, S. & **Read, A.F.** (2002). Fertility insurance and the sex ratios of malaria and related hemosporin blood parasites. *Journal of Parasitology* 88: 258-263.
71. Ferguson, H.M. & **Read, A.F.** (2002). Genetic and environmental determinants of *Plasmodium* virulence in vectors. *Proceedings of the Royal Society of London Series B* 269: 1217-1224.

70. Mackinnon, M.J., Gaffney, D.J. & **Read, A.F.** (2002). Virulence of rodent malaria parasites: host genotype by parasite genotype experiments. *Infection, Genetics and Evolution* 36: 287-296.
69. Ferguson, H.M. & **Read, A.F.** (2002). Why is the effect of malaria parasites on mosquito survival still unresolved? *Trends in Parasitology* 18: 256-261.
68. Nee, S., West, S.A. & **Read, A.F.** (2002). Inbreeding and parasite sex ratios. *Proceedings of the Royal Society of London Series B* 269: 755-760.

2001

67. Gandon, S., Mackinnon, M. J., Nee, S. & **Read, A.F.** (2001). Imperfect vaccines and the evolution of pathogen virulence. *Nature* 414: 751-756.
66. West, S.A., Reece, S.E. & **Read, A.F.** (2001). Gametocyte sex ratios of malaria and related apicomplexan (protozoa) parasites. *Trends in Parasitology* 17: 525-531.
65. Buckling, A. & **Read, A.F.** (2001). The effect of partial host immunity on the transmission of malaria parasites. *Proceedings of the Royal Society of London Series B* 268: 2325-2330.
64. Timms, R., Colegrave, N., Chan, B.H.K. & **Read, A.F.** (2001). The effect of parasite dose on severity of disease in the rodent malaria *Plasmodium chabaudi*. *Parasitology* 123: 1-11.
63. **Read, A.F.** & Taylor, L.H. (2001). The ecology of genetically diverse infections. *Science* 292: 1099-1102.
62. West, S.A., Gemmill, A.W., Graham, A., Viney, M.E. & **Read, A.F.** (2001). Immune stress and facultative sex in a parasitic nematode. *Journal of Evolutionary Biology* 14: 333-337.

2000

61. Harvey, S.C., Gemmill, A.W., **Read, A.F.** & Viney, M.E. (2000). The control of morph development in the parasitic nematode *Strongyloides ratti*. *Proceedings of the Royal Society of London Series B* 267: 2057-2063.
60. Gemmill, A.W., Viney, M.E. & **Read, A.F.** (2000). The evolutionary ecology of host-specificity: experimental studies with *Strongyloides ratti*. *Parasitology* 120: 429-437.
59. West, S.A., Smith, T.G. & **Read, A.F.** (2000). Sex allocation and population structure in Apicomplexan (Protozoa) parasites. *Proceedings of the Royal Society of London Series B* 267: 257-263.
58. Pickering, J., **Read, A.F.**, Guerrero, S. & West, S.A. (2000). Sex ratio and virulence in two species of lizard malaria parasites. *Evolutionary Ecology Research* 2: 171-184.

Last century

57. West, S.A., Lively, C.M. & **Read, A.F.** (1999). A pluralist approach to the evolution of sex and recombination. *Journal of Evolutionary Biology* 12: 1003-1012.
56. Buckling, A.G.J., Crooks, L. & **Read, A.F.** (1999). *Plasmodium chabaudi*: Effect of antimalarial drugs on gametocytogenesis. *Experimental Parasitology* 93: 45-54.
55. Gemmill, A.W., Skorpung, A. & **Read, A.F.** (1999). Optimal timing of first reproduction in parasitic nematodes. *Journal of Evolutionary Biology* 12: 1148-1156.
54. Mackinnon, M. J. & **Read, A.F.** (1999). Genetic relationships between parasite virulence and transmission in the rodent malaria *Plasmodium chabaudi*. *Evolution* 53: 689-703.
53. Buckling, A.G.J. & **Read, A.F.** (1999). The effects of chloroquine on the infectivity of *Plasmodium chabaudi* gametocytes. *International Journal for Parasitology* 29: 619-625

52. Buckling, A.G.J., Ranford-Cartwright, L., Miles, A. & **Read, A.F.** (1999). Chloroquine increases *Plasmodium falciparum* gametocytogenesis *in vitro*. *Parasitology* 118: 339-346.
51. Mackinnon, M. J. & **Read, A.F.** (1999). Selection for high and low virulence in the malaria parasite *Plasmodium chabaudi*. *Proceedings of the Royal Society of London Series B* 266: 741-748.
50. Arneberg, P., Skorping, A., Grenfell, B. & **Read, A.F.** (1998). Host densities as determinants of abundance in parasite communities. *Proceedings of the Royal Society of London Series B* 265: 1283-1289.
49. Arneberg, P., Skorping, A. & **Read, A.F.** (1998). Parasite abundance, body size, life histories and the energetic equivalence rule. *American Naturalist*.151: 497-513.
48. Braithwaite, V.A., Salkeld, D.J., MacAdam, H. M., Hockings, C.G., Ludlow, A.M. & **Read, A.F.** (1998). Spatial and discrimination learning in rodents infected with the nematode *Strongyloides ratti*. *Parasitology* 117: 145-154.
47. Skorping, A. & **Read, A.F.** (1998). Drugs and parasites: global experiments in life history evolution? *Ecology Letters* 1: 10-12
46. Shutler, D. & **Read, A.F.** (1998). Local mate competition, and extraordinary and ordinary blood parasite sex ratios. *Oikos* 82: 417-424.
45. Taylor, L.H. & **Read, A.F.** (1998). Determinants of transmission success of individual clones from mixed-clone infections of the rodent malaria *Plasmodium chabaudi*. *International Journal for Parasitology* 28: 719-725.
44. Taylor, L.H., Mackinnon, M.J. & **Read, A.F.** (1998). Virulence of mixed-clone and single-clone infections of the rodent malaria *Plasmodium chabaudi*. *Evolution* 52: 489-497.
43. Arneberg, P., Skorping, A. & **Read, A.F.** (1997). Is population density a species character? Comparative analyses of the nematode parasites of mammals. *Oikos* 80: 289-300.
42. Buckling, A.G.J., Taylor, L.H., Carlton, J.M.-R. & **Read, A.F.** (1997). Adaptive changes in *Plasmodium* transmission strategies following chloroquine chemotherapy. *Proceedings of the Royal Society of London Series B* 264: 553-559.
41. Gemmill, A.W., Viney, M.E. & **Read, A.F.** (1997). Host immune status determines sexuality in a parasitic nematode. *Evolution* 51: 393-401.
40. Taylor, L.H. & **Read, A.F.** (1997). Why so few transmission stages? Reproductive restraint by malaria parasites. *Parasitology Today* 13: 135-140.
39. Taylor, L.H., Walliker, D. & **Read, A.F.** (1997). Mixed-genotype infections of malaria parasites: within-host dynamics and transmission success of competing clones. *Proceedings of the Royal Society of London Series B* 264: 927-935.
38. Taylor, L.H., Walliker, D. & **Read, A.F.** (1997). Mixed-genotype infections of the rodent malaria *Plasmodium chabaudi* are more infectious to mosquitoes than single-genotype infections. *Parasitology* 115: 121-132.
37. **Read, A.F.** & Viney, M.E. (1996). Helminth immunogenetics: why bother? *Parasitology Today* 12: 337-343.
36. Robert, V., **Read, A.F.**, Essong, J., Tchuinkam, T., Mulder, B., Verhave, J.-P. & Carnevale, P. (1996). Effect of gametocyte sex ratio on infectivity of *Plasmodium falciparum* to *Anopheles gambiae*. *Transactions of the Royal Society of Tropical Medicine and Hygiene* 90: 621-624.
35. Schrag, S.J. & **Read, A.F.** (1996). Loss of male outcrossing ability in simultaneous hermaphrodites: phylogenetic analyses of pulmonate snails. *Journal of Zoology* 238: 287-299.
34. **Read, A.F.** & Skorping, A. (1995). The evolution of tissue migration by parasitic nematode larvae. *Parasitology* 111: 359-371.
33. **Read, A.F.**, Anwar, M., Shutler, D. & Nee, S. (1995). Sex allocation and population structure in malaria and related parasitic protozoa. *Proceedings of the Royal Society of London Series B* 260: 359-363.
32. **Read, A.F.** & Nee, S. (1995). Inference from binary comparative data. *Journal of Theoretical Biology* 173: 99-108.

31. **Read, A.F.** (1994). The evolution of virulence. *Trends in Microbiology* 2: 73-76.
30. Norris, K., Anwar, M. & **Read, A.F.** (1994). Reproductive effort influences the prevalence of haematozoan parasites in great tits. *Journal of Animal Ecology* 63: 601-610.
29. Schrag, S.J., Nidifon, G.T. & **Read, A.F.** (1994). Temperature determined outcrossing in wild populations of a simultaneous hermaphrodite snail. *Ecology* 75: 2066-2077.
28. Schrag, S.J., Mooers, A. Ø., Nidifon, G.T. & **Read, A.F.** (1994). Ecological correlates of male outcrossing ability in a simultaneous hermaphrodite snail. *American Naturalist* 143: 636-655.
27. **Read, A.F.**, Narara, A., Nee, S., Keymer, A.E. & Day, K. (1992). Gametocyte sex ratios as an indirect measure of outcrossing rates in malaria. *Parasitology* 104: 387-395
26. **Read, A.F.** & Day, K.P. (1992). The genetic structure of malaria parasite populations. *Parasitology Today* 8: 239-242.
25. **Read, A.F.** & Weary, D.M. (1992). The evolution of bird song: comparative evidence. *Philosophical Transactions of the Royal Society Series B* 338: 165-187.
24. Day, K.P., Koella, J.C., Nee, S., Gupta, S. & **Read, A.F.** (1992). Population genetics and dynamics of *Plasmodium falciparum*: an ecological view. *Parasitology* 104: S35-S52.
23. Schrag, S.J. & **Read, A.F.** (1992). Temperature determination of male outcrossing ability in a simultaneous hermaphrodite. *Evolution* 46: 1698-1707.
22. Schrag, S.J., Rollinson, D., Keymer, A.E. & **Read, A.F.** (1992). Heritability of male outcrossing ability in the simultaneous hermaphrodite, *Bulinus truncatus* (Gastropoda: Planorbidae). *Journal of Zoology (London)* 226: 311-319.
21. Young, R.P., Hart, B.J., Merrett, T.G., **Read, A.F.** & Hopkin, J.M. (1992). House dust mite sensitivity: interactions of genetics and allergen doseage. *Clinical & Experimental Allergy* 22:205-211.
20. **Read, A.F.** (1991). Passerine polygyny: a role for parasites? *American Naturalist* 138: 434-459.
19. **Read, A.F.** & Nee, S. (1991). Is Haldane's Rule significant? *Evolution* 45: 1707-1709.
18. Balmford, A. & **Read, A.F.** (1991). Testing alternative models of sexual selection through female choice. *Trends in Ecology and Evolution* 6, 274-276.
17. Keymer, A.E., Gregory, R.D., Harvey, P., **Read, A.F.** & Skorping, A. (1991). Parasite-host ecology: case studies in population dynamics, life-history evolution and community structure. *Acta Oecologica* 12: 105-118.
16. Nee, S., **Read, A.F.**, Greenwood, J.J.D. & Harvey, P.H. (1991). The relationship between abundance and body size in British birds. *Nature* 351: 312-313.
15. Skorping, A., **Read, A.F.** & Keymer, A.E. (1991). Life history covariation in intestinal nematodes of mammals. *Oikos* 60: 365-371.
14. **Read, A.F.** & Weary, D.M. (1990). Sexual selection and the evolution of bird song: a test of the Hamilton and Zuk hypothesis. *Behavioural Ecology and Sociobiology* 26: 47-56.
13. Elgar, M.A., Ghaffer, N. & **Read, A.F.** (1990). Sexual dimorphism in leg length among orb-weaving spiders: a possible role for sexual cannibalism. *Journal of Zoology (London)* 222: 455-470.
12. Guilford, T. & **Read, A.F.** (1990). Zahavian cuckoos and the evolution of nestling discrimination by hosts. *Animal Behaviour* 39: 600-601.
11. Lawlor, B.J., **Read, A.F.**, Keymer, A.E., Parveen, G. & Crompton, D.W.T. (1990). Non-random mating in a parasitic worm: mate choice by males? *Animal Behaviour* 40: 870-876.

10. **Read, A.F.** & Harvey, P.H. (1989). Life history differences among the eutherian radiations. *Journal of Zoology* 219: 329-353.
9. **Read, A.F.** & Harvey, P.H. (1989). Reassessment of comparative evidence for Hamilton and Zuk theory on the evolution of secondary sexual characters. *Nature* 339: 618-620.
8. Harvey, P.H., **Read, A.F.** & Promislow, D.E.L. (1989). Life history variation in placental mammals: unifying the data with theory. *Oxford Surveys in Evolutionary Biology* 6: 13-31.
7. Trevelyan, R. & **Read, A.F.** (1989). Nest predators and the evolution of avian reproductive strategies: a comparison of Australian and New Zealand birds. *Oecologia* 81: 274-278.
6. **Read, A.F.** (1988). Sexual selection and the role of parasites. *Trends in Ecology and Evolution* 3: 97-102.
5. **Read, A.F.** (1988). Habitat use by Yellowheads *Mohoua ochrocephala* (Aves: Muscicapidae) in the Hawdon River Valley, Arthur's Pass National Park. 1. Habitat preferences. *New Zealand Journal of Zoology* 15: 461-470.
4. **Read, A.F.** (1988). Habitat use by Yellowheads *Mohoua ochrocephala* (Aves: Muscicapidae) in the Hawdon River Valley, Arthur's Pass National Park. 2. Time budgets and foraging behaviour. *New Zealand Journal of Zoology* 15:471-480.
3. **Read, A.F.** (1987). Comparative evidence supports the Hamilton and Zuk hypothesis on parasites and sexual selection. *Nature* 328: 68-70.
2. **Read, A.F.** (1987). The breeding and flocking behaviour of yellowheads at Arthur's Pass National Park. *Notornis* 34: 11-18.
1. **Read, A.F.** & O'Donnell, C.F.J. (1987). Abundance of yellowheads in the Hawdon River Valley, Arthur's Pass National Park in 1983 and 1984. *Notornis* 34: 307-315.

BOOK CHAPTERS & EDITED VOLUMES:

24. **Read, A.F.** & Clark, J.S. (Guest Ed.s). (2006). *Trends in Ecology and Evolution* 20th Anniversary Issues: Volume 21 Numbers 6 & 7. Editorials: **Read, A.F.** & Clark, J.S. The last twenty years of ecology and evolution. *Trends in Ecology and Evolution* 21: 287; The next twenty years of ecology and evolution. *Trends in Ecology and Evolution* 21: 354-355.
23. Ferguson, H.F., Gandon, S., Mackinnon, M.J. & **Read, A.F.** (in press). The implications of malaria parasite virulence in mosquitoes for the introduction and efficacy of GMM malaria control programmes. In: Boete, C (ed.). *Genetically Modified Mosquitoes for Malaria Control*. Landes Bioscience, Georgetown, Texas.
22. Read, A.F. (2006) Ballooning parrots and semi-lunar germs. In: Grafen, A. & Ridley, M. (ed.s). *Richard Dawkins: How a Scientist Changed the World*. pp. 3-13. Oxford University Press.
21. Renaud, F., De Meeus, T. & **Read, A.F.** (2005). Parasitism in man-made ecosystems. In: Thomas, F., Renaud, F., Guegan, J-F (ed.s) *Parasitism and Ecosystems*. pp. 155-170. Oxford University Press.
20. **Read, A.F.**, Gandon, S., Nee, S. & Mackinnon, M.J. (2004). The evolution of pathogen virulence in response to animal and public health interventions. In: Dronamraj, K. (ed.) *Infectious Disease and Host-Pathogen Evolution*. pp 265-292. Cambridge University Press.
19. **Read, A.F.**, Smith, T.G., Nee, S. & West, S.A. (2002). Sex ratios of malaria parasites and related protozoa. In: Hardy, I. (ed.) *Sex Ratios: Concepts and Research Methods*. pp. 314-332. Cambridge University Press.
18. Viney, M.E. & **Read, A.F.** (ed.s) (2002). *Parasite Variation: Ecological and Immunological Consequences*. Symposia of the British Society for Parasitology Vol. 38. (Suppl. to *Parasitology* Vol. 125). Cambridge University Press.
17. **Read, A.F.**, Mackinnon, M.J., Anwar, M. & Taylor, L. H. (2002). Kin selection models as evolutionary explanations of malaria. In: Dieckmann, U., Metz, J.A.J., Sabelis, M.W., Sigmund, K. (ed.s). *Adaptive Dynamics of Infectious Diseases: In Pursuit of Virulence Management*. pp. 165-178. Cambridge University Press.

16. Wilson, K., Bjørnstad, O.N., Dobson, A.P., Merler, S., Poglayen, G., Randolph, S.E., **Read, A.F.**, and Skorping, A. (2002). Heterogeneities in macroparasite infections: patterns and processes. In: Hudson, P.J., Rizzoli, A., Grenfell, B.T., Heesterbeek, H. & Dobson, A.P. *The Ecology of Wildlife Diseases*. pp. 6-44. Oxford University Press.
15. Grenfell, B.T., Amos, W., Arneberg, P., Bjørnstad, O.N., Greenman, J.V., Harwood, J., Lanfranchi, P., McLean, A.R., Norman, R.A., **Read, A.F.** & Skorping, A. (2002). Visions for future research in wildlife epidemiology. In: Hudson, P.J., Rizzoli, A., Grenfell, B.T., Heesterbeek, H. & Dobson, A.P. *The Ecology of Wildlife Diseases*. pp. 151-164. Oxford University Press.
14. **Read, A.F.**, Gemmill, A. & Skorping, A. (2000). Evolution of nematode life histories: theory meets reality? In: Poulin, R., Morand, S. & Skorping A. (ed.s). *Evolutionary Biology of Host-Parasite Relationships: Theory Meets Reality*. pp. 237-246. Elsevier, Amsterdam.
13. **Read, A.F.** & Taylor, L. H. (2000). Within-host ecology of infectious diseases: patterns and consequences. In: Thompson, R.C.A. (ed.) *The Molecular Epidemiology of Infectious Diseases*. Pp. 59-75. Arnold, London.
12. **Read, A.F.**, Aaby, P. Antia, R., Ebert, D., Ewald, P.W., Gupta, S., Holmes, E.C., Sasaki, A., Shields, D.C., Taddei, F., Moxon, E.R. (1999). Group report: What can evolutionary biology contribute to understanding virulence? In: Stearns, S.C. (ed.) *Evolution in Health and Disease*. pp. 205-215. Oxford University Press.
11. Nee, S., **Read, A.F.** & Harvey, P.H. (1996). The comparative method. In: Martins, E.P. *Phylogenies and the Comparative Method in Animal Behaviour*. pp 399-411. Oxford University Press.
10. **Read, A.F.** & Skorping, A. (1995). Causes and consequences of life history variation in parasitic nematodes. In: Griffin, C. & Gwynn, R.L. & Masson, J.P. (ed.s) *Ecology and Transmission of Entomopathogenic Nematodes*. pp. 58-68. European Commission, Brussels EUR 1629.
9. **Read, A.F.**, Albon, S.D., Antonovics, J., Apanius, V., Dwyer, G., Holt, R.D., Judson, O. Lively, C.M., Martin-Löf, A., McLean, A.R., Metz, J.A.J, Schmidt-Hempel, P., Thrall, P.H., Via, S. & Wilson, K. (1995). Group report: genetics and evolution of infectious diseases in natural populations. In: Grenfell, B. & Dobson, A. (ed.s) *Ecology of Infectious Diseases in Natural Populations*. pp. 450-477. Cambridge University Press.
8. Harvey, P.H. & **Read, A.R.** (1992). Primate ranging behaviour. In: Jones, S., Martin, R., Pilbeam, D. & Bunney, S. (eds). *The Cambridge Encyclopedia of Human Evolution*. pp. 155-157. Cambridge University Press, Cambridge.
7. Harvey, P.H., **Read, A.F.**, John, J., Gregory, R., Keymer, A.E. (1991). An evolutionary perspective. In: Toft, C., Aeschlimann, A. & Bolis, L. (ed.s) *Parasitism: Coexistence or Conflict?* pp. 344-355. Oxford University Press, Oxford.
6. Keymer, A.E. & **Read, A.F.** (1991). Behavioural ecology: the impact of parasitism. In: Toft, C., Aeschlimann, A. & Bolis, L. (ed.s) *Parasitism: Coexistence or Conflict?* pp. 37-61. Oxford University Press, Oxford.
5. Keymer, A.E. & **Read, A.F.** (ed.s) (1990). *The Evolutionary Biology of Parasitism*. Symposia of the British Society for Parasitology Vol. 27. (Suppl. to *Parasitology* Vol. 100). Cambridge University Press.
4. **Read, A.F.** (1990). Parasites and the evolution of host sexual behaviour. In: *Parasitism and Host Behaviour*. Barnard, C. & Behnke, J.M. (eds.) pp. 117-157. Taylor and Francis Ltd, London.
3. Harvey, P.H., Promislow, D.E.L., **Read, A.R.** (1989). Causes and correlates of life history differences among mammals. In: *Comparative Socioecology. The Behavioural Ecology of Humans and other Mammals*. Standen, V. & Foley, R. (eds). British Ecological Society Special Publication, Blackwells, Oxford. pp. 305-318.
2. **Read, A.F.** & Harvey, P.H. (1988). Genetic relatedness and the evolution of animal mating patterns. In: *Human Mating Patterns*. Symposia of the Society for the Study of Human Biology Vol. 28. Mascie-Taylor, C.G.N. & Boyce, A.J. (eds). Taylor and Francis, London. pp. 115-132.
1. Harvey, P.H. & **Read, A.R.** (1988). How and why do mammalian life histories differ? In: *Evolution of Life Histories of Mammals: Theory and Pattern*. Boyce, M.S. (ed.). pp. 213-232. Utah University Press, Utah.

SCIENTIFIC COMMENTARIES:

- West, S.A., Reece, S.E. & Read, A.F. (2003). *Toxoplasma gondii*, sex and premature rejection. *Trends in Parasitology* 19: 155-157.
- de Roode, J.C. & **Read, A.F.** (2003). Evolution and ecology, after the malaria genomes. *Trends in Ecology and Evolution* 18: 60-61.
- Viney, M.E. & **Read, A.F.** (2002). So what if parasite vary? *Trends in Parasitology* 18: 2-4.
- Read, A.F.** & Allen, J. E. (2000). Evolution and immunology: The economics of immunity. *Science* 290: 1104-1105.
- Reece, S.E. & **Read, A.F.** (2000). Malaria sex ratios. *Trends in Ecology and Evolution* 15: 259-260.
- Timms, R. & **Read, A.F.** (1999). What makes a specialist special? *Trends in Ecology and Evolution* 14: 333-334.
- Kythgoe, K. & **Read, A.F.** (1998). Catching the Red Queen? The advice of the Rose. *Trends in Ecology and Evolution* 13: 473-474.
- Gemmill, A. & **Read, A.F.** (1998). Counting the costs of resistance. *Trends in Ecology and Evolution* 13: 8-9.
- Sheldon, B.C. & **Read, A.F.** (1997). Comparative biology and disease ecology. *Trends in Ecology and Evolution* 12: 43-44.
- Read, A.F.** & Harvey, P.H. (1993). Evolving in a dynamic world. *Science* 260: 1760-1762.
- Read, A.F.** & Harvey, P.H. (1993). The evolution of virulence. *Nature* 362: 500-501.
- Read, A.F.** & Schrag, S.J. (1991). The evolution of virulence: experimental evidence. *Parasitology Today* 7: 296-297.
- Keymer, A.E. & **Read, A.F.** (1990). Evolutionary biology of parasitism. *Parasitology Today* 6: 2-3
- Bennun, L.A. & **Read, A.F.** (1988). Joint nesting in Acorn Woodpeckers. *Trends in Ecology Evolution* 3: 319.
- Harvey, P.H. & **Read, A.R.** (1988). When incest is not best. *Nature* 336: 513-514.
- Read, A.F.** (1986). Female mate choice in pied flycatchers: an answer and a problem. *Trends in Ecology Evolution* 1: 85.
- Read, A.F.** & Harvey, P.H. (1986). Genetic management in zoos. *Nature* 332: 408-10.
-
- #### PUBLISHED CORRESPONDENCE & NOTES:
- Thomas, M.B., Blanford, S., Jenkins, N.E., Killeen, G.F., Knols, B.G.J., **Read, A.F.**, Schlote, E-J. & Takken, W. (2005). Benefits and risks in malaria control. *Science* 310: 50.
- Skorping, A. & **Read, A.F.** (2000). What determines the longevity of mammalian nematodes? *Bulletin of the Scandanavian Society for Parasitology* 10: 55-60.
- West, S.A., Lively, C.M. & **Read, A.F.** (1999). Sex may take more than one. *Journal of Evolutionary Biology* 12:1053-1055.
- Read, A.F.** & Shutler, D. (1998). Darwinian medicine? Lessons from avian blood parasites. *Bulletin of the Scandanavian Society for Parasitology* 8: 30-32.
- Harvey, P.H., **Read, A.F.** & Nee, S. (1995). Further remarks on the role of phylogeny in comparative ecology. *Journal of Ecology* 83: 733-734.
- Harvey, P.H., **Read, A.F.** & Nee, S. (1995). Why ecologists are phylogenetically challenged. *Journal of Ecology* 83: 535-536.
- Read, A.F.** & Nee, S. (1993). Haldane's coincidence: a reply to Brookfield. *Evolution* 47: 1888-1889.
- Harvey, P.H., Nee, S. & **Read, A.F.** (1993). Fluctuating asymmetry. *Nature* 363: 217.

Read, A.F. & Nee, S. (1990). Male schistosomes: more than just muscle? *Parasitology Today* 6: 297.

Read, A.F. & Harvey, A.R. (1989). Validity of sexual selection. *Nature* 340: 105.

Read, A. (1985). Predation of an arboreal rat by a New Zealand falcon. *Notornis* 32: 155.

Read, A. & McClelland, P. (1984). Orange-fronted parakeets in the Hawdon River Valley, Arthur's Pass National Park. *Notornis* 31: 266-7.

BOOK REVIEWS:

Esch, G.W. (2004). Parasites, People, and Places. Essays on Field Parasitology. Cambridge University Press, Cambridge. In: *Trends in Ecology and Evolution* 20:111-112 (2005).

Majerus, M.E.N. (2003). *Sex Wars: Genes Bacteria and Biased Sex Ratios*. Princeton University Press, Princeton. In: *Bioscience* 54: 362-363 (2004)

Grafen, A. & Hails, R. (2002). *Modern Statistics in the Life Sciences*. Oxford University Press and Crawley, M.J. 2002. *Statistical Computing. An Introduction to Data Analysis Using S-Plus*. John Wiley. In: *Trends in Ecology and Evolution* 18: 11-12 (2003).

Vetvicka, V. & Sima, P. (1998). *Evolutionary Mechanisms of Defense Reactions*. Birkhäuser Verlag. In: *Journal of Evolutionary Biology* 13: 151-152 (2000).

W.D. Hamilton and J.C. Howard (ed.s). (1997). *Infection, Polymorphism and Evolution*. Chapman & Hall and the Royal Society. In: *Quarterly Review of Biology* 74:224 (1999).

Matthews, B.E. (1998). *An Introduction to Parasitology*. Cambridge University Press. In: *Times Higher Education Supplement*, Feb 26 (1999).

Poulin, R. (1998). *Evolutionary Ecology of Parasites. From Individuals to Communities*. Chapman & Hall. In: *Trends in Ecology and Evolution* 13: 516-517 (1998).

Clayton, D.H. & Moore, J. (ed.s) (1997). *Host-Parasite Evolution: General Principles and Avian Models*. Oxford University Press. In: *Trends in Ecology and Evolution* 13: 293-294 (1998).

Roizman, B. (ed.) (1995). *Infectious Diseases in an Age of Change. The Impact of Human Ecology and Behaviour of Disease Transmission*. National Academy of Sciences, Washington. In: *American Journal of Epidemiology* 145: 861-862 (1997).

Isham, V. & Medley, G. (ed.s) (1996). *Models for Infectious Human Diseases. Their Structure and Relation to Data*. Cambridge University Press, Cambridge. In: *Parasitology Today* 13: 158-159 (1997).

Crawley, M. J. (ed.) (1992). *Natural Enemies. The Population Biology of Predators, Parasites and Diseases*. Blackwell Scientific, Oxford. In: *Quarterly Review of Biology* 69: 256-257 (1994).

Brooks, D.R. & McLennan, D.A. (1993). *Parascript. Parasites and the Language of Evolution*. Smithsonian Institution Press, Washington. In: *Parasitology Today* 10: 203-204 (1994)

Power, D.M. (ed.) (1991). *Current Ornithology Vol. 8*. Plenum Press, New York. In: *Ibis* 135: 104-105 (1993).

Loye, J. & Zuk, M. (ed.s) (1991). *Bird-Parasite Interactions. Ecology, Evolution and Behaviour*. Oxford University Press. In: *Trends in Ecology and Evolution* 6: 411-412 (1991).

Fuller, E. (ed.) (1990). *Kiwis*. Swan Hill Press, Shrewsbury, England. In: *Ibis* 133: 427 (1991)

Galbreath, R. (1989). *Walter Buller. The Reluctant Conservationist*. GP Books, Wellington. In: *Ibis* 133: 97 (1991).

Esch, G., Bush, A. & Aho, J. (ed.s) (1990). *Parasite Communities: Patterns and Processes*. Chapman and Hall. In: *Trends in Ecology and Evolution* 5: 424-425 (1990). [with S. Nee]

Plotkin, H.C. (ed.) (1988). *The Role of Behaviour in Evolution*. MIT Press, Cambridge, MA. In: *Ibis* 132: 627 (1990).

Chambers, S. (1989). *Birds of New Zealand. Locality Guide*. Arun Books, Hamilton, New Zealand. In: *Ibis* 132: 624 (1990).

Otte, D. & Endler, J.A. (ed.s) (1989). *Speciation and its Consequences*. Sinauer, Sunderland, MA. In: *Ibis* 132: 492 (1990).

Ehrlich, N.J., Dobkin, D.S. & Wheye, D. (1988). *The Birder's Handbook: a Field Guide to the Natural History of North American Birds*. Simon and Schuster Inc., New York. In: *Ibis* 131:617 (1989).

Summers-Smith, J.D. (1988). *The Sparrows. A study of the genus Passer*. Poyser, Carlton. In: *Times Higher Education Supplement* Jan. 1989.

Andrews, J.R.H. (1987). *The Southern Ark. Zoological Discovery in New Zealand 1769-1900*. Century, London. In: *Ibis* 130: 307 (1988).

Peters, R.H. (1983). *The Ecological Implications of Body Size*. Cambridge University Press. In: *Ibis* 129: 586 (1987).

King, C. (1984). *Immigrant Killers. Introduced Predators and the Conservation of Birds in New Zealand*. Oxford University Press, Auckland. In: *Ibis* 128: 581-582 (1986).