Inclusive fitness: 50 years on
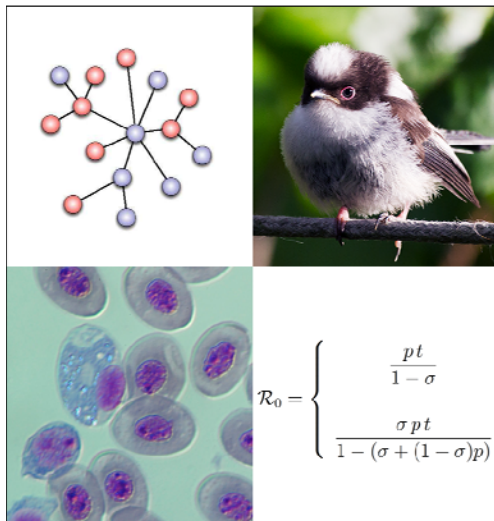
Compiled and edited by Andy Gardner and Stuart A. West

Published online: 31 March 2014   Published in print: May 2014

Special offer price for print issue: £35.00 (usual price: £59.50)

$$\mathcal{R}_0 = \begin{cases} \dfrac{p\,t}{1-\sigma} \\[2ex] \dfrac{\sigma\,p\,t}{1-(\sigma+(1-\sigma)p)} \end{cases}$$

In 1964, W. D. Hamilton showed that natural selection leads the organism to appear designed as if to maximize her inclusive fitness: her combined impact upon the reproductive success of all her relatives, each increment being weighted by her genetic relatedness to the recipient. This topic has blossomed into one of the most successful programmes of evolutionary research, boasting a healthy interplay of theory and empiricism, in fields as disparate as behavioural ecology, microbiology and agriculture.

On its 50th anniversary, we take stock, check the soundness of its foundations, showcase the most exciting current research, and contemplate the challenges for inclusive fitness research over the next 50 years.

Access content online at: bit.ly/1bOYEBA

The print issue is available at the specially reduced price shown above. To place an order, either visit the above web page, click on the purchasing link and enter the code **TB 1642** when prompted or, quoting the same code, contact Portland Customer Services at:

Portland Customer Services, Commerce Way, Colchester CO2 8HP, UK
tel: +44 (0)1206 796351   email: **sales@portland-services.com**

PHILOSOPHICAL TRANSACTIONS OF — THE ROYAL SOCIETY B

Full contents are listed overleaf…

Contents