Review articles

The extended evolutionary synthesis and the role of soft inheritance in evolution
T. E. Dickins & Q. Rahman

Comments and invited replies

Antibiotic resistance in human Salmonella isolates are related to animal strains
P. Collignon

The diversity of antimicrobial resistance is different in Salmonella Typhimurium DT104 from co-located animals and humans
A. E. Mather, L. Matthews, D. J. Mellor, R. Reeve, M. J. Denwood, P. Boerlin, R. J. Reid-Smith, D. J. Brown, J. E. Coia, L. M. Browning, D. T. Hopkins & S. W. J. Reid

Commentaries

BRCA1/2 mutations, fertility and the grandmother effect
J. da Silva

Research articles

Risk and the evolution of human exchange
H. S. Kaplan, E. Schniter, V. L. Smith & B. J. Wilson

Modes and mechanisms of a Daphnia invasion
F. Seppi, F. Fox & N. C. Hamilton

Upstroke wing flexion and the inertial cost of fast flight
D. K. Riskin, A. Bergou, K. S. Breuer & S. M. Swartz

Effects of diurnally oscillating pCO2 on the calcification and survival of coral recruits
A. M. Oldfield, Y. R. Cantos, T. F. Far & F. J. Eldridge

A sex-specific trade-off between mating preferences for genetic compatibility and body size in a cichlid fish with mutual mate choice
T. Thürin, D. Munechi, T. C. M. Baker & S. A. Raveri

The central role of the host cell in symbiotic nitrogen metabolism

Syntactic structure and geographical dialects in the songs of male rock hyraxes
A. Kershenbaum, A. Ilany, L. Blaustein & E. Geffen

Host modulation of parasite competition in multiple infections
Y. Ulrich & P. Schmid-Hempel

Relationship between propagule pressure and colonization pressures in invasion ecology: a test with ships’ ballast
D. Waynforth

Life-history theory, chronic childhood illness and the timing of first reproduction in a British birth cohort
D. Waynforth

Impaired immune evasion in HIV through intracellular delays and multiple infection of cells
C. L. Althaus & R. J. De Boer

Warming alters community size structure and ecosystem functioning

Plant-out feedbacks provide an additional explanation for diversity-productivity relationships
A. Katunina, M. D. Brown & J. Heavilin

Cooperation and the evolution of intelligence
M. Lofdahl, S. F. Brown & D. L. Jackson

Dermal bone in early tetrapods: a palaeophysiological hypothesis of adaptation for terrestrial locomotion
A. Stein, K. D. Heil & B. Schmidt

Biomolecular architecture, elemental constitution and genomic analysis of biomineralization-related proteins in hemichordates
C. B. Cameron & C. D. Bishop

The role of myosin in parasite defence
D. Brown & R. Eggert

Speciation with gene flow in a heterogeneous virtual world: can physical obstacles accelerate speciation?
A. Carolino, E. Calo & N. Cristante

Optimal shapes and motion of undulatory swimming organisms
C. Telc & E. P. Van

Insertions and deletions trigger adaptive walks in Drosophila proteins
I. V. Leuchtges, D. A. Buran & R. S. Hindriksen

A novel metamorphosis scoring structure in Indo-Pacific bottlenose dolphins (Tursiops sp.): complex male alliances in an open social network
A. Serafini, M. D. Brown & J. Heavilin

Spatiotopic perceptual maps in humans: evidence from motion adaptation
A. Stein & D. L. Jackson

Disentangling effects of uncertainties on population projections: climate change impact on an epiglottic bryophyte
A. Buerkle, W. Tang, L. Barring, A. Ch Smooth & T. Parr

Species richness matters for the quality of ecosystem services: a test using seed dispersal by frugivorous birds
D. Garcia & D. Martínez

Historical pesticide applications coincided with an altered diet of aerially foraging insectivorous chimney swifts

 RCC 201705 B 7 August 2012

RSPB_279_1740_Cover.qxd 6/14/12 7:06 PM Page 1

7 August 2012

ISSN 0962-8452

volume 279

number 1740

to pages 2913–3120

7 August 2012