

BEYOND CLADISTICS

A FESTSCHRIFT FOR CHRIS HUMPHRIES



1st - 3rd October 2008

At The Linnean Society of London, Burlington House, Piccadilly, London, W1J 0BF

As an approach to the discovery of phylogenetic relationships among organisms, cladistics took the systematics community by storm. According to David Hull, in his 1988 account of its history, cladistics was winning out everywhere; according to Colin Patterson, cladistics “began in the late 1960s, accelerated in the 1970s, and was virtually complete by the eighties”; in contrast, Gareth Nelson suggested that cladistics is suffering from “Arrested Development”. This symposium, entitled *Beyond Cladistics*, in honour of botanist Chris Humphries, will address some general issues relating to cladistics: its past, its present and its future – if, indeed, there is anything beyond cladistics, itself.

PROGRAMME

Wednesday 1st October

- 09.00 Arrival and registration
09.30 Welcome and introduction by **David Cutler**, president of the Linnean Society of London

Session 1

- 09.35 **David M. Williams** Introduction
10.00 **Chris Humphries** The future of systematics is deeper than you think
10.30 **Kåre Bremer** Early and late cladistic work on the Asteraceae-Anthemideae
11.00 Coffee
11.30 **Dennis Stevenson** Chris, Cycads, and Me
12.00 **Quentin Wheeler** Humphries, Cladistics, and All That Jazz
12.30 **Dick Vane-Wright** Rooted in Cladistics: Chris Humphries, conservation—and beyond?
13.00 Lunch

Session 2: Homology

- 14.00 **Paula Rudall** Homology and organ identity
14.30 **Robert Scotland** Homology of flowers with reference to the daffodil corona
15.00 **Ole Seberg** Homology in classical and molecular biology – revisited
15.30 Coffee
16.00 **Paul Kenrick & Pat Gensel** The origin of leaves evidence from the fossil record
16.30 **Vicki Funk** Evolution on a global scale: understanding the origin and diversification of the Compositae

Thursday 2nd October

Session 3: Biogeography

- 09.30 **Pauline Ladiges, Michael Bayly & Gareth Nelson** Phylogeny and biogeography of the Australian 'monocalypts' - *Eucalyptus* subgenus *Eucalyptus* (Myrtaceae)
- 10.00 **Sandy Knapp & Bob Press** Floras to phylogenies – why descriptive taxonomy matters
- 10.30 **Dave Bramwell** Island Biodiversity Hotspots, the Challenge of Climate Change
- 11.00 Coffee
- 11.30 **Mark Carine** Endemism and evolution in Macaronesia
- 12.00 **Lynne Parenti** Inferring Process from Pattern: The Biogeography of Wallacea
- 12.30 **Paul Williams** Bumblebee biogeography and the Caribbean connection
- 13.00 Lunch

Session 4: Systematics

- 14.00 **Peter Forey** The origin of fishes across the South Atlantic
- 14.30 **Diana Lipscomb** Systematics of Microorganisms in an Era of Global Change: Conservation and Emerging Diseases
- 15.00 **Francisco Ortega** Early British collectors and observers of the Macaronesian flora: from Chelsea to Kew
- 15.30 Coffee
- 16.00 **Arnoldo Santos** The genus *Argyranthemum*
- 16.30 **Dave Williams, Malte Ebach & Quentin Wheeler** Beyond belief: The steady resurrection of phenetics
- 17.00 Wine reception in the Linnean Society Library

Friday 3rd October

Session 5

- 09.00 **Olivier Rieppel** Backing up into the future: another look at monophyly
- 09.30 **Mick Richardson** Whatever happened to chemical systematics?
- 10.00 **Richard Bateman** Beyond Mayr: what is the minimum number of species concepts needed to pursue 21st century biology?
- 10.30 **Steve Blackmore & Alexandra Wortley** Ontogeny and Systematics revisited: developmental models and model organisms
- 11.00 **Johannes Vogel** Close

Registration £25 (£5 for students)

For full details and registration visit www.linnean.org/index.php?id=135
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