

Scientific Publications by Botany Department Staff: 1999

Authors in block capitals indicate Botany Department staff

A - Authored and edited peer reviewed books and monographs

Baker, A.S. *with photomicrographs by* YORK, P.V. 1999. *Mites and ticks of domestic animals an identification guide and information source*. Appendix 3 of this publication, YORK, P.V. *Methods used in the photomicrography of mites and ticks*. London: The Stationary Office. 240pp.

Hollingsworth, P.M., BATEMAN, R.M. & Gornall, R.J., eds. 1999. *Molecular systematics and plant evolution*. Taylor & Francis, London. xvi + 485 pp.

Mattsson, J.-E., WEDIN, M. & Hedberg, I. (eds.) 1999. Swedish Lichenology. Dedicated to Roland Moberg. *Symbolae Botanicae Upsalienses* 32(2): 1-211.

STAFFORD, P.J. & Meyer, J.R. 2000. *A guide to the reptiles of Belize*. Academic Press, San Diego. 356 pp.

B - Other books and monographs (including popular works)

Garcete-Barrett, B.R. (M. Peña-Chocarro & M. Short, eds.). 1999. *Guía ilustrada de las avispas sociales del Paraguay*. NHM, London. 45 pp.

Knapp, S. 1999. *Footsteps in the Forest: Alfred Russel Wallace in the Amazon*. NHM, London.

Peña-Chocarro, M., Marín, G., Jiménez, B. & Knapp, S. 1999. *Helechos de Mbaracayú: una guía de las pteridofitas de la Reserva Natural del Bosque Mbaracayú, Paraguay*. NHM, London. 142 pp.

Porter, R., Miller, A.G., ALEXANDER, D., & Langman, M. 1999. *Birds and Plants of the Socotra Archipelago*. Global Environment Facility, New York/ Darwin Initiative, London. 48 pp.

C - Peer reviewed articles in journals and edited volumes

Alberto, P., Congestri, R. & SHUBERT, L.E. 1999. Cyanobacterial films in sewage treatment plants along the Thyrennian coast (Mediterranean Sea). *Algological Studies* 94: 13-24.

allen, d.e. 1999. *Rubus campaniensis* Winkel ex Beek (Rosaceae) in Britain. *Watsonia* 22: 429-430.

ALLEN, D.E. 1999. C.C. Babington, Cambridge botany and the taxonomy of British flowering plants. *Nature in Cambridgeshire* no. 41: 2-11.

Bakker, F.T., Culham, A., Daugherty L. & Gibby, M. 1999. A trnL-F based phylogeny for species of *Pelargonium* (Geraniaceae) with small chromosomes. *Plant Systematics and Evolution* 216: 309-324.

Bakker, F.T., Culham, A. & Gibby, M. 1999. Phylogenetics and biogeography of *Pelargonium* (Geraniaceae). In Hollingsworth, P., Bateman, R.M. & Gornall, R. (eds) *Advances in Plant Molecular Systematics, Systematics Association special volume* pp. 353-374.

BATEMAN, R.M. 1999. Architectural radiations cannot be optimally interpreted without morphological and molecular phylogenies. In: Kurmann, M.H. & Hemsley, A.R. (eds.), *The evolution of plant architecture*. Royal Botanic Gardens Kew: 221-250.

BATEMAN, R.M. 1999. Integrating molecular and morphological evidence for evolutionary radiations. In: Hollingsworth, P.M., Bateman, R.M. & Gornall, R.J. (eds.), *Molecular systematics and plant evolution*. Taylor & Francis, London: 432-471.

- BATEMAN, R.M. 1999. Clast orientation and palaeoenvironments. *In*: Jones, T.P. & Rowe, N.P. (eds.), *Fossil plants and spores: Modern techniques*. Geological Society, London: 199–205.
- BATEMAN, R.M. 1999. Bulk geochemistry as a guide to provenance and diagenesis. *In*: Jones, T.P. & Rowe, N.P. (eds.), *Fossil plants and spores: Modern techniques*. Geological Society, London: 169–173.
- BATEMAN, R.M., Morton, N. & Dower, B.L. 2000. Early Middle Jurassic plant communities in northwest Scotland: paleoecological and paleoclimatic significance. *In*: Hall, R., Smith, P. & Poulton, T. (eds.), *GeoResearch Forum 6 (Proceedings of the Fifth International Symposium on the Jurassic System)*. TransTech, Switzerland: 501–511.
- Blanca, G. & JARVIS, C.E. 1999. [Typifications of *Pinguicula alpina* and *P. lusitanica*.] *In*: Blanca, G., Ruíz-Rejón, M. & Zamora, R., Taxonomic revision of the genus *Pinguicula* L. in the Iberian peninsula. *Folia Geobotanica* 34: 337-361.
- CAFFERTY, S. & Sales, F. 1999. Proposal to reject the name *Phyteuma pauciflorum* (*Campanulaceae*). *Taxon* 48 (3): 601 - 602.
- CAFFERTY, S. & MONRO, A. 1999. Typification of *Batis maritima* L. (*Bataceae*). *Novon* 9(4): 490.
- Cheng Y.Q., Xia N.H., & Gilbert, M. G. 1999 Piperaceae. in Wu Zheng-yi & Raven, P., *Flora of China* 4: 110-131.
- COX, E.J. 1999. *Craspedostauros* gen. nov., a new diatom genus for some unusual marine raphid diatoms previously placed in *Stauroneis* Ehrenberg and *Stauronella* Mereschkowsky (Bacillariophyta). *European Journal of Phycology* 34: 131-147.
- COX, E.J. 1999. Studies on the diatom genus *Navicula* Bory. VIII. Variation in valve morphology in relation to the generic diagnosis based on *Navicula tripunctata* (O.F. Müller) Bory. *Diatom Research* 14: 207-237.
- COX, E.J. 1999. Variation in patterns of valve morphogenesis between representatives of six biraphid diatom genera. *Journal of Phycology* 35: 1297-1312.
- COX, E.J. & ROSS, R. 1999. (1380-1381) Proposals to conserve the names *Frustulia cuspidata* and *Navicula ambigua* (Bacillariophyceae) with conserved types. *Taxon* 48: 137.
- Del Carratore, F., Garbari, F. & JARVIS, C. 1999. *Salvia saccardiana* (Lamiaceae), an endemic species of NE Italy. *Plant Biosystems* 133: 157-162.
- Del Carratore, F., Garbari, F. & JARVIS, C. 1999. Typification of the names of three Mediterranean sage species: *Salvia virgata* Jacq., *S. ceratophylloides* Ard. and *S. bertolonii* Vis. (Lamiaceae). *Allionia* 36: 41-46.
- De Luna, E., NEWTON, A.E., A. Withey, D. Gonzalez, & B. D. Mishler. 1999. The transition to pleurocarpy: A phylogenetic analysis of the main diplolepidous lineages based on rbcL sequences and morphology. *The Bryologist*. 102: 634-650.
- Döring, H., Henssen, A. & WEDIN, M. 1999. Ascomata development in *Neophyllis melacarpa*, with notes on the systematic position of the genus. *Australian Journal of Botany* 47: 783-794.
- Döring, H., Grube, M., Clerc, P. & WEDIN, M. 2000. Mycobiont-specific PCR primers for the nuclear ITS and LSU rDNA from lichenised ascomycetes. *Lichenologist* 32: 200-204.
- ELLIS, L.T. & Tan, B.C. 1999. The moss family Calymperaceae (Musci) in the Philippines. *Bull. nat. Hist. Mus. Lond. (Bot.)* 29 (1): 1-46.

- Fu L.K., Yu Y.F. & Gilbert, M.G. 1999 Validation of an invalidly described species of *Gnetum* (Gnetaceae) from Hainan Island, China. *Novon* 9(2): 187-189.
- Fu L.K., Yu Y.F. & Gilbert, M.G. 1999 Gnetaceae. in Wu Zheng-yi & Raven, P., *Flora of China* 4: 102-105.
- Gilbert, M.G. 1999 A new varietal combination in *Chenopodium* (Chenopodiaceae) from eastern Africa. *Nordic. J. Bot.* 19(4): 411-412.
- Gilbert, M.G. & Xia, N.H. 1999 Notes on the Piperaceae of China. *Novon* 9(2): 190-198.
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- Heckford, J.H., Sattler, K., YORK, P.V. 1999. The taxonomic status of *Eulamprotes immaculatella* Douglas, 1850 (Lepidoptera: Gelechiidae). *Entomologists Gazette* 50: 155-160.
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- Jørgensen, P.-M. & WEDIN, M. 1999. On *Psoroma* species from the Southern Hemisphere with cephalodia producing vegetative dispersal units. *Lichenologist* 31: 341-348.
- Knapp, S. & Spooner, D.M. 1999. A new name for a common Ecuadorian and Peruvian wild tomato species. *Novon* 9: 375-376.
- Knapp, S. 1999. Ebenaceae, in Jørgensen, P.M. & S. León-Yáñez (eds.) *Catalogue of the Vascular Plants of Ecuador*. Missouri Botanical Garden, St. Louis, MO: 440.
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- Martínez, M.M, Sánchez, J.A., CAFFERTY, S. & Rico, E. 2000. (1442) Proposal to conserve the name *Veronica agrestis* L. (Scrophulariaceae) with a conserved type. *Taxon* 49: 99-100.
- Mattsson, J.-E. & WEDIN, M. 1999. A re-assessment of the family Alectoriaceae. *Lichenologist* 31: 431-440.
- MONRO, A.K. Seven new species of *Pilea* Lindley (Urticaceae) from Mesoamerica. *Novon* 9: 390-400.
- NEWTON, A. E. & E. De Luna. 1999. A survey of morphological characters for phylogenetic study of the transition to pleurocarpy. *The Bryologist* 102: 651-682.
- O'SHEA, B.J. 1999. Checklist of mosses of sub-Saharan Africa (version 3, 11/99). *Tropical Bryology Research Reports* 1: 1-133.
- O'SHEA, B.J. 1999. British Bryological Society Expedition to Mulanje Mountain, Malawi. 11. Pterigynandraceae M. Fleisch. and Rigodiaceae H.A. Crum (Bryopsida) in Africa. *Journal of Bryology* 21: 309-313.

PENN, M.G., Furley, P & Murray, M. 2000. Spatial analysis of micro-environmental change and forest composition in Belize. In A. Millington (ed.) *Remote Sensing and GIS Applications in Biogeography and Ecology*. Kluwer Publications, UK.

Persson, V., Knapp, S. & Blackmore, S. 1999. Pollen morphology and the phylogenetic analysis of *Datura* L. and *Brugmansia* Pers. In Nee, M., D.E. Symon, R.N. Lester & J.P. Jessop (eds.) *Solanaceae IV: advances in biology and utilization*. Royal Botanic Gardens Kew, Kew, Richmond Surrey: 171-187.

PRESS, J.R. & Dias, E. 1998. The genera *Melanoselinum* Hoffm. and *Angelica* L. (Umbelliferae) in Macaronesia. *Arquipelago* 16A: 1-10.

RUMSEY, F.J. 1999 *Rumex* x *akeroydii* – a new Dock hybrid for Britain. *Watsonia* 22: 413-416.

RUMSEY, F.J. & VOGEL, J.C. 1999 *Tetrastichium fontanum* (Mitt.) Card. new to mainland Europe. *Journal of Bryology* 21: 72-73.

RUMSEY, F.J., VOGEL, J.C., & GIBBY, M. 1999 Distribution, Ecology and Conservation status of *Trichomanes speciosum* Willd. (Pteridophyta) in the Açorean archipelago. *Arquipelago*, Suppl. 2 (A): 11-18.

RUMSEY, F.J., VOGEL, J.C., RUSSELL, S.J., BARRETT, J.A. & GIBBY, M. 1999. Population genetics and conservation biology of the endangered fern *Trichomanes speciosum* (Hymenophyllaceae) in Scotland. *Biological Journal of the Linnean Society* 66:333-344.

Sastre, C., Whitefoord, C. & Knapp, S. 1999. A new species of *Elvasia* (Ochnaceae) from Mesoamerica with discussion of subgeneric classification and phytogeography. *Novon* 9: 253-256.

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SIDWELL, K. 1999. Oxalidaceae, in Jørgensen, P.M. & S. León-Yáñez (eds.) *Catalogue of the Vascular Plants of Ecuador*. Missouri Botanical Garden, St. Louis, MO: 775-778.

SIDWELL, K. 1999. The taxonomic position of the Sri Lankan species *Brillantiaisia thwaitesii* (T. Anderson) L.H. Cramer. *Kew Bulletin* 54: 215-219.

STAFFORD, P.J. 1999. *Urotheca (Pliocercus) elapoides* (False coral snake): reproduction and diel activity. *Herpetological Review* 30(1): 48.

Turland, N. & CAFFERTY, S. 1999. Proposal to conserve the name *Peucedanum nodosum* (Umbelliferae) with a conserved type. *Taxon* 48 (3): 595 - 596.

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VOGEL, J.C. & RUMSEY, F.J. 1999 On the status of *Diphasiastrum oellgaardii* (Lycopodiaceae, Pteridophyta). *Feddes Repertorium* 110: 439-445.

Vogel, J.C., Rumsey, F.J., Russell, S.J., Holmes, J.S., Cox, C., Bujnoch, W, Stark, C., Barrett, J.A & Gibby, M. 1999. Genetic structure, reproductive biology and ecology in isolated populations of *Asplenium csikii* (Aspleniaceae, Pteridophyta), *Heredity* 83: 604-612.

WEDIN, M. & Döring, H. 1999. The phylogenetic relationship between the Sphaerophoraceae, *Neophyllis* and *Austropeltum* (lichenised Ascomycota). *Mycological Research* 103: 1131-1137.

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WEDIN, M., Döring, H. & Ekman, S. 2000. Molecular phylogeny of the lichen families Cladoniaceae, Sphaerophoraceae, and Stereocaulaceae (Lecanorales, Ascomycotina). *Lichenologist* 32: 171-187.

Williams, P. H., HUMPHRIES, C. J., Araujo, M. B., Lahti, T., Lampinen, R., Uotila, P. & Vane-Wright, R. I. 1998. Important Plant Areas of Europe: exploring the consequences of selection criteria. In: Syngé H. & Akeroyd J. (eds). *Planta Europa: Proceedings of the Second European Conference on the Conservation of Wild Plants, 9-14 June 1998, Uppsala, Sweden*. Plantlife, London: 103-109.

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WILLIAMS, D.M. & Siebert, D.J. 2000. Characters, homology and three-item analysis. In: Scotland, R.W. & Pennington, T. (eds), *Homology and Systematics*, pp 183-208. Taylor and Francis.

D - Non-peer reviewed articles in journals and edited volumes

BATEMAN, R.M. 1999. DNA-based phylogenies are no threat to field botany. *BSBI News* 82: 33–35.

BATEMAN, R.M. & Farrington, O.S. 1999. A new infrageneric hybrid for Britain. *BSBI News* 80: 19.

Forey, P. L., Gardiner, B.G & HUMPHRIES, C. J. (eds). 2000. Colin Patterson (1933-1998); A celebration of his life. *The Linnean. Special Issue No. 2*. The Linnean Society of London. Pp 1-96.

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GARWOOD, N. C. 1999. A 50 hectare Forest Dynamics Plot for Las Cuevas. *Las Cuevas*, Issue 4 (April), p. 1.

George, J.D. & JOHN, D.M. 1999. High sea temperatures along the coast of Abu Dhabi (UAE), Arabian Gulf – their impact upon corals and macroalgae. *Reef Encounter* 25: 21-23.

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E - Other works: including book reviews, bibliographic work, encyclopaedia entries, magazine articles, published abstracts

ALEXANDER, D. 1999. Land that time forgot. *The Guardian, G2 Environment*, 2 June: 4-5. [newspaper article]

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Bakker, F.T., Culham, A. & Gibby, M. 1999. A new classification for *Pelargonium*. XVI International Botanical Congress, St Louis, USA :399 [abstract]

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BATEMAN, R.M. 1999. *Evolution and speciation of island plants* (T.F. Stuessy & M. Ono, eds., 1998). *Edinburgh Journal of Botany* 56: 461–463. [book review]

BATEMAN, R.M. 1999. *Evolution*, edn. 2 (C. Patterson, 1999). *Linnean* 15: 38–40. [book review]

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- ELLIS, L.T. 1999. Recent bryological literature, 91. *Journal of Bryology* 21: 107-115. [bibliographic]
- ELLIS, L.T. 1999. Recent bryological literature, 92. *Journal of Bryology* 21: 169-173. [bibliographic]
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- ELLIS, L.T. 1999. Recent bryological literature, 94. *Journal of Bryology* 21: 321-327. [bibliographic]
- ELLIS, L.T., Tan, B.C. 1999. The moss family Calymperaceae in the Philippines. International Botanical Congress, poster. [abstract & poster]
- GARWOOD, N.C. 1999: *The Biological Monograph: The importance of field studies and functional syndromes for taxonomy and evolution of tropical plants*, (C.F. Hopkins, C.R. Huxley, C.M. Pannell, G.T. Prance & F. White). *Ke w Bulletin* 54 (2): 499-500. [book review]
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- Gregory, N.M. & BATEMAN, R.M., eds. 1999. *Royal Botanic Garden Edinburgh Annual Report for 1998–1999*. x + 69 pp. [institutional report]
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- O'SHEA, B.J. 1999. Mosses and liverworts of Uganda. International Botanical Congress, poster 221. [abstract & poster]
- O'SHEA, B.J. 1999. Bryophyte diversity and endemism in North Africa. International Botanical Congress, poster 235. [abstract]
- REID, G. 2000. The *Gyrosigma* (Bacillariophyceae) of Lake Baikal, Siberia. *The Phycologist* 55. [abstract]

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Thomas, B.A. & BATEMAN, R.M. 1999. Obituary: Albert George Long (1915–1999). *International Organisation of Palaeobotany Newsletter* #66: 6–7. [obituary]

Vogel, J.C., Barrett, J.A., Rumsey, F.J. & Gibby, M. 1999. Multiple origins in polyploid ferns – fallacy or fact? XVI International Botanical Congress, St Louis, USA :256 [abstract]

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F - Non-published reports, including consultancies

ALEXANDER, D. 1999. *UNDP/ GEF/ Darwin Initiative Socotra Project: RBGE Biodiversity Training Programme Final Report*. Consultancy for United Nations Office for Project Services (UNOPS). 20 pp.

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