

NATURAL HISTORY MUSEUM SCIENCE DEPARTMENTS PUBLICATIONS 2006–2007

The list of publications gives Departmental staff and Associates in capitals

BOTANY DEPARTMENT PUBLICATIONS 2006–2007

A – Authored and edited peer reviewed professional books and monographs

NEWTON, A.E. & Tangney, R.S. (eds) 2007. *Pleurocarpous mosses: Systematics and Evolution. Systematics Association Special Volume Series 71*. CRC Press, Boca Raton, 408 pp.

PURVIS, O.W., Seaward, M.R.D. & Loppi, S., (guest eds) 2007. Lichens in a Changing Pollution Environment. Special Issue Section. *Environmental Pollution*, **146**(2): 291-399.

Willis, K.J., Gillson, L. & KNAPP, S., (eds.) 2007. Biodiversity hotspots through time: using the past to manage the future. *Philosophical Transactions of the Royal Society, series B, Biological Sciences. Special issue*, **362**: 169-333.

B – Other books and monographs (including popular works)

CAFFERTY, S. 2007. *Collins wild guide. Trees: East*. Smithsonian/HarperCollins, 192 pp.

CAFFERTY, S. 2007. *Collins wild guide. Trees: West*. Smithsonian/HarperCollins, 192 pp.

De Egea, J., PEÑA-CHOCARRO, M., Vera, M., Maturo, H. & KNAPP, S. 2006. *Arboles y arbustos del Chaco Húmedo*. Editorial GZR, Asunción, Paraguay.

C – Peer reviewed articles in journals and edited volumes (includes accounts in Floras).

Afonso-Carrillo, J., Rodríguez-Prieto, C., Boisset, F., Sobrino, C., TITTLE, I. & Neto, A.I. 2006. *Botryocladia chiajeana* and *Botryocladia macaronesica* sp. nov. (Rhodymeniaceae, Rhodophyta) from the Mediterranean and the eastern Atlantic, with a discussion on the closely related genus *Irvinea*. *Phycologia*, **45**: 277-292.

Banks, H., Feist-Burkhart, S. & KLITGAARD, B.B. 2006. The unique pollen morphology of *Duparquetia* (Leguminosae: Caesalpinioideae): developmental evidence of aperture orientation using confocal microscopy. *Annals of Botany*, **98**: 107-115.

Bell, N.E. & NEWTON, A.E. 2007. Pleurocarpy in the Rhizogoniaceae grade in A.E. Newton and R.S. Tangney (eds) *Pleurocarpous mosses: Systematics and Evolution. Systematics Association Special Volume Series 71*. CRC Press, Boca Raton.

BENNETT, J.R. & Mathews, S. 2006. Phylogeny of the parasitic plant family Orobanchaceae inferred from

Phytochrome A. *American Journal of Botany*, **93**: 1039-1051.

BRIDGEWATER, S., Pickles, P., GARWOOD, N.C., PENN, M., BATEMAN, R.M., Porter Morgan, H., Wicks, N. & Bol, N. 2006. Chamaedorea (xaté) in the Greater Maya Mountains and the Chiquibul Forest Reserve, Belize; an economic assessment of a non-timber forest product. *Economic Botany*, **60**(3): 265-283.

BRIDGEWATER, S.G.M., Harris, D.J., WHITEFOORD, C., MONRO, A.K., PENN, M.G., SUTTON, D.A., Sayer, B., Adams, B., Balick, M.J., Atha, D.H., Solomon, J. & Holst, B.K. 2006. A preliminary checklist of the vascular plants of the Chiquibul Forest, Belize. *Edinburgh Journal of Botany*, **63**(2&3): 269-321.

BRODIE, J., Bartsch, I., Neefus, C., Orfinidis, S., Bray, T. & Mathieson, A. 2007. New insights into the cryptic diversity of the North Atlantic-Mediterranean '*Porphyra leucosticta*' complex: *P. olivii* sp. nov. and *P. rosenfurtii* (Bangiales, Rhodophyta). *European Journal of Phycology*, **42**: 3-28.

BRODIE, J. & Zuccarello, G.C. 2007. Systematics of the species-rich algae: red algal classification, phylogeny and speciation. Pp. 317-330 in T.R. Hodgkinson, J. Parnell and S. Waldren (eds) *The taxonomy and systematics of large and species-rich taxa: building and using the Tree of Life. Systematics Association Series*. CRC Press, Boca Raton.

CARINE, M., RUMSEY, F.J., Ait-Lafkih, M., Rej-Dali, M., Rutherford, R.W. & Jury, S.L. 2006. New plant collections from the North Morocco checklist area. *Lagascalia*, **26**: 196-219.

Collins, C.J., Cornish, L.P., HUXLEY, R. & Owens, S.J. 2006. SYNTHESYS Network Activity C - Assessing standards of collections in European Museums. *Collections Forum*, **21** (1 and 2): 5-18.

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COX, E.J. & WILLIAMS, D.M. 2006. Systematics of naviculoid diatoms (Bacillariophyta): A preliminary analysis of protoplast and frustule characters for family and order level classification. *Systematics & Biodiversity*, **4**: 385-399.

Crewe, A.T., Wedin, M. & PURVIS, O.W. 2006. Molecular phylogeny of *Acarosporaceae* (Ascomycota) with focus on the proposed genus *Polysporinopsis*. *Mycological Research*, **110**: 521-526.

D'Cruze, N.C. & STAFFORD, P.J. 2006. Resource partitioning of sympatric *Norops* (Beta *Anolis*) in a subtropical mainland community. *Herpetological Journal*, **16**: 273-280.

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Dubbin, W.E., PENN, M.G. & Hodson, M.E. 2006. Edaphic Contributions to Species Richness in the Chiquibul Forest of Belize. *Geoderma*, **5**: 1-14.

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Ebach, M.C. & WILLIAMS, D.M. 2006. Perspectives: Zangerl and the Zeitgeist. *History and Philosophy of the Life Sciences*, **28**: 51-54.

Ebach, M.C., WILLIAMS, D.M. & Morrone, J.J. 2006. Paraphyly is bad taxonomy. *Taxon*, **55**: 831-832.

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FROHLICH, M. 2006. Recommendations and goals for evo-devo research: scenarios, genetic constraint, and developmental homeostasis. Pp. 172-187 in J.T. Columbus, E.A. Friar, J.M. Porter, L.M. Prince and M.G. Simpson (eds) *Monocots: comparative biology and evolution. 2 vols.* Rancho Santa Ana Botanic Garden, Claremont, CA.

Galbany-Casals, M., Sáez, I., Benedí, C. & JARVIS, C.E. 2006. Typification of names in *Gnaphalium* L. and *Helichrysum* Mill. (Asteraceae), and some taxonomic notes. *Taxon*, **55**: 489-501.

Granados-Tochay, J.C., KNAPP, S. & Orozco, C.I. 2007. *Solanum humboldtianum* (Solanaceae): an endangered new species from Colombia rediscovered 200 years after its first collection. *Systematic Botany*, **32**(1): 200-207.

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Haas, J.R. & PURVIS, O.W. 2006. Chapter 15. Lichen Biogeochemistry. Pp. 344-376 in G.M. Gadd (ed) *Fungi in Biogeochemical Cycles.* Cambridge University.

KNAPP, S. 2007 ("2006). Solanaceae endémicas del Perú. In León, B. (ed) *Libro Rojo de las plantas endémicas del Perú.* *Revista Peruana de Biología*, **13**(2): 612-643.

KNAPP, S. & DARWIN, S.C. 2006. (1736) Proposal to conserve the name *Solanum cheesmaniae* (L. Riley) Fosberg against *S. cheesemanii* Geras. (Solanaceae). *Taxon*, **55**(3): 806-807.

KNAPP, S. & Davidse, G. 2006. Flora of Guatemala revisited. Pp. 25-47 in E.B. Cano (ed) *Biodiversidad de Guatemala Volumen 1.* Universidad del Valle de Guatemala, Guatemala City.

KNAPP, S., Polaszek, A. & Watson, M. 2007. e-publish or perish. *Nature*, **446**: 261-262.

KNAPP, S., STAFFORD, M.J. & Martinez, M. 2006. A checklist of the Solanaceae of Guatemala. Pp. 259-282 in E.B. Cano (ed) *Biodiversidad de Guatemala Volumen 1.* Universidad del Valle de Guatemala, Guatemala City.

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LARSEN, R.S., Bell, J.N.B., JAMES, P.W., Chimonides, P.J., RUMSEY, F.J., Tremper, A. & PURVIS, O.W. 2007. Lichen and bryophyte distribution on oaks in London in relation to air pollution and bark acidity. *Environmental Pollution*, **146**: 332-340.

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Lozano, P. & KLITGAARD, B.B. 2006. The genus *Machaerium* (Leguminosae: Dalbergieae) in Ecuador. *Brittonia*, **58**(2): 124-150.

Molina, A., Acedo, C., JARVIS, C. & Llamas, F. 2007. Typification of some of Hudson's plant names in *Carex* L. *Taxon*, **55**: 1009-1013.

Nee, M., Bohs, L. & KNAPP, S. 2006. New species and distributional records in the Solanaceae of Bolivia. *Brittonia*, **58**: 322-356.

NEWTON, A.E. 2007. Branching architecture in pleurocarpous mosses in A.E. Newton and R.S. Tangney (eds) *Pleurocarpous mosses: Systematics and Evolution. Systematics Association Special Volume Series 71*. . CRC Press, Boca Raton.

NEWTON, A.E., Wikstrom, N., BELL, N., Forrest, L. & Ignatov, M. 2007. Dating the diversification of the pleurocarpous mosses in A.E. Newton and R.S. Tangney (eds) *Pleurocarpous mosses: Systematics and Evolution. Systematics Association Special Volume Series 71*. CRC Press, Boca Raton.

OLIVAN, G., NEWTON, A.E. & Hedenas, L. 2007. Phylogeny of *Hygrohypnum* based on molecular data in A.E. Newton and R.S. Tangney (eds) *Pleurocarpous mosses: Systematics and Evolution. Systematics Association Special Volume Series 71*. CRC Press, Boca Raton.

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PEDERSEN, N. & NEWTON, A.E. 2007. Evolution of dwarf males in Ptychomniales in A.E. Newton and R.S. Tangney (eds) *Pleurocarpous mosses: Systematics and Evolution. Systematics Association Special Volume Series 71*. CRC Press, Boca Raton.

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Prud'homme van Reine, W.F., JOHN, D.M., LAWSON, G.W. & Kostermans, L.B.T. 2006. Seaweeds of the northwestern coast of Africa and adjacent islands. Pp. 27-35 in J.J. Symoens (ed) *Coastal Ecosystems of West Africa. Biological Diversity-Resources-Conservation*. Published by the Foundation for the Promotion of Scientific Research in Africa, Brussels.

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RUSU, A.-M., JONES, G.C., CHIMONIDES, P.D.J. & PURVIS, O.W. 2006. Biomonitoring using the lichen *Hypogymnia physodes* and bark samples near Zlatna, Romania immediately following closure of a copper ore-processing plant. *Environmental Pollution*, **143**: 81-88.

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Toyoda, K., COX, E.J., SIMS, P.A. & WILLIAMS, D.M. 2006. (1718) Proposal to conserve *Achnanthes brevipes* (Bacillariophyceae) against *A. adnata*, *A. baccillarioides* and *A. dubia*, with a conserved type. *Taxon*, **55**: 527-528.

Toyoda, K., Tanaka, J. & WILLIAMS, D.M. 2006. Morphological notes on the marine diatom *Achnanthes longipes* C.A. Agardh from Japanese material. *Diatom Research*, **22**: 27-33.

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and *N. palea* (Kützing) W. Smith. Pp. 431-445 in A. Witkowski (ed) *Proceedings of 18th International Diatom Symposium, Poland, 2004*. BioPress Ltd., Bristol.

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WILLIAMS, D.M. & Reid, G. 2006. Dealing with large taxonomic groups: Diatoms species and geography. Pp. 305-322 in T.R. Hodgkinson and J.A.N. Parnell (eds) *Towards the Tree of Life: The Taxonomy and Systematics of Large and Species Rich Taxa*. CRC Press, Boca Raton.

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D – Non-published reports, including consultancies

[This section contains 7 reports or consultancies.]

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

BRIDGEWATER, S. 2006. Xaté, leaf of gold. *Sanctuary, Ministry of Defence Conservation Magazine*, **35**: 61-63.

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BRYANT, J.A. 2005 (issued 2006). Plant balls. P. 14 *NHM The magazine for supporters of the Natural History Museum. Issue 6*.

CARINE, M., Santos Guerra, A., HUMPHRIES, C., Reyes-Bentancort, J.A. & Guma, R. 2007. Areas of endemism in cladistic biogeography : a case study from the Canary islands. *Third Biennial Conference of the International Biogeography Society, Book of Abstracts*, Tenerife, Spain.

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KNAPP, S. 2006. Review of "Richard Spruce: naturalist and explorer" by Michael B. Pearson. *Archives of Natural History*, **33**: 372-373.

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D – Non-published reports, including consultancies

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

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

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G – Electronic publications

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