

## ROBERT H. COWIE – PUBLICATIONS

5 March 2010

### Books (3)

- Staples, G.W. & **Cowie, R.H.** (eds.) 2001. *Hawai'i's Invasive species. A guide to invasive plants and animals in the Hawaiian Islands*. Mutual Publishing & Bishop Museum Press, Honolulu. xii + 116 p.
- Cowie, R.H.** 1998. *Catalog of the nonmarine snails and slugs of the Samoan Islands. Bishop Museum Bulletin in Zoology* 3. Bishop Museum Press, Honolulu. viii + 122 p.
- Cowie, R.H.**, Evenhuis, N.L. & Christensen, C.C. 1995. *Catalog of the native land and freshwater molluscs of the Hawaiian Islands*. Backhuys Publishers, Leiden. vi + 248 pp.

### Journal articles (86)

- Wood, K.R. & **Cowie, R.H.** 2010. Land snail records for Mokapu Islet, Moloka'i, Hawaiian Islands. *Bishop Museum Occasional Papers* 108: 53-54.
- Cowie, R.H.**, Dillon, R.T., Jr., Robinson, D.G. & Smith, J.W. 2009. Alien non-marine snails and slugs of priority quarantine importance in the United States: a preliminary risk assessment. *American Malacological Bulletin* 27(1/2): 113-132.
- Hayes, K.A., **Cowie, R.H.** & Thiengo, S.C. 2009. A global phylogeny of apple snails: Gondwanan origin, generic relationships and the influence of outgroup choice (Caenogastropoda: Ampullariidae). *Biological Journal of the Linnean Society* 98: 61-76.
- Hayes, K.A., **Cowie, R.H.**, Jørgensen, A., Schultheiß, R., Albrecht, C. & Thiengo, S.C. 2009. Molluscan models in evolutionary biology: apple snails (Gastropoda: Ampullariidae) as a system for addressing fundamental questions. *American Malacological Bulletin* 27(1/2): 47-58. [**invited; cover illustration**]
- Holland, B.S. & **Cowie, R.H.** 2009. Land snail models in island biogeography: a tale of two snails. *American Malacological Bulletin* 27(1/2): 59-68. [**invited**]
- Cowie, R.H.**, Hayes, K.A., Tran, C.T. & Meyer, W.M., III. 2008. The horticultural industry as a vector of alien snails and slugs: widespread invasions in Hawaii. *International Journal of Pest Management* 54(4): 267-276. [**editor's choice**]
- Cowie, R.H.** & Holland, B.S. 2008. Molecular biogeography and diversification of the endemic terrestrial fauna of the Hawaiian Islands. *Philosophical Transactions of the Royal Society of London B* 363(1508): 3363-3376.
- Cowie, R.H.** & Wood, K.R. 2008. The land snails of the island of Lehua, Hawaiian Islands. *Bishop Museum Occasional Papers* 100: 50-52.
- Gruner, D.S., Gotelli, N.J., Price, J.P. & **Cowie, R.H.** 2008. Does species diversity drive speciation: a reassessment with the Hawaiian biota. *Ecography* 31(2): 279-285.
- Hayes, K.A., Joshi, R.C., Thiengo, S.C. & **Cowie, R.H.** 2008. Out of South America: multiple origins of non-native apple snails in Asia. *Diversity and Distributions* 14(4): 701-712 [**cover illustration**].
- Holland, B.S., Christensen, C.C., Hayes, K.A. & **Cowie, R.H.** 2008. Biocontrol in Hawaii: a response to Messing (2007). *Proceedings of the Hawaiian Entomological Society* 40: 81-83.
- Tran, C.T., Hayes, K.A. & **Cowie, R.H.** 2008. Lack of mitochondrial DNA diversity in invasive apple snails (Ampullariidae) in Hawaii. *Malacologia* 50(1-2): 351-357.
- Cowie, R.H.**, Hayes, K.A., Tran, C.T. & Levin, P. 2007. Distribution of the invasive apple snail *Pomacea canaliculata* (Lamarck) in the Hawaiian Islands (Gastropoda: Ampullariidae). *Bishop Museum Occasional Papers* 96: 48-51.
- Hayes, K.A., Tran, C.T. & **Cowie, R.H.** 2007. New records of alien Mollusca in the Hawaiian Islands: nonmarine snails and slugs (Gastropoda) associated with the horticultural trade. *Bishop Museum Occasional Papers* 96: 54-63.
- Holland, B.S. & **Cowie, R.H.** 2007. A geographic mosaic of passive dispersal: population structure in the endemic Hawaiian amber snail *Succinea caduca* (Mighels, 1845). *Molecular Ecology* 16(12): 2422-2435 [**cover illustration**].
- Rawlings, T.A., Hayes, K.A., **Cowie, R.H.** & Collins, T.M. 2007. The identity, distribution, and impacts of non-native apple snails in the continental United States. *BMC Evolutionary Biology* 7: 97 [14 p.] [published on line doi:10.1186/1471-2148-7-97; designated as '**highly accessed**'].
- Thiengo, S.C., Faraco, F.A., Salgado, N.C., **Cowie, R.H.** & Fernandez, M.A. 2007. Rapid spread of an invasive snail in South America: the giant African snail, *Achatina fulica*, in Brasil. *Biological Invasions* 9: 693-702.

- Holland, B.S. & Cowie, R.H. 2006. New island records of an endemic Hawaiian land snail species, *Succinea caduca* Mighels (Gastropoda: Pulmonata: Succineidae). *Bishop Museum Occasional Papers* 88: 58-60.
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- Rundell, R.J. & Cowie, R.H. 2004. Preservation of species diversity and abundances in Pacific island land snail death assemblages. *Journal of Conchology* 38(2): 155-170.
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- Cowie, R.H. & Robinson, A.C. 2003. The decline of native Pacific island faunas: changes in status of the land snails of Samoa through the 20th century. *Biological Conservation* 110: 55-65.
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- Cowie, R.H. 2001. Decline and homogenization of Pacific faunas: the land snails of American Samoa. *Biological Conservation* 99(2): 207-222.
- Cowie, R.H. & Cook, R.P. 2001. Extinction or survival: partulid tree snails in American Samoa. *Biodiversity and Conservation* 10(2): 143-159.
- Cowie, R.H. & Evenhuis, N.L. 2001. *Achatinellastrum* Pfeiffer, 1854 and Achatinellidae Gulick, 1873 (Mollusca: Gastropoda): proposed conservation. *Bulletin of Zoological Nomenclature* 58(3): 188-192.
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- Cook, L.M., Cowie, R.H. & Jones, J.S. 1999. Change in morph frequency in the snail *Cepaea nemoralis* on the Marlborough Downs. *Heredity* 82: 336-342.

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- Asami, T., Cowie, R.H. & Ohbayashi, K. 1998. Evolution of mirror images by sexually asymmetric mating behavior in hermaphroditic snails. *The American Naturalist* 152(2): 225-236.
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- Logan, J.W.M., Cowie, R.H. & Wood, T.G. 1990. Termite (Isoptera) control in agriculture and forestry by non-chemical methods: a review. *Bulletin of Entomological Research* 80: 309-330.
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- Tiben, A., Pearce, M.J., Wood, T.G., Kambal, M.A. & Cowie, R.H. 1990. Damage to crops by *Microtermes najdensis* (Isoptera, Macrotermitinae) in irrigated semi-desert areas of the Red Sea Coast. 2. Cotton in the Tokar Delta region of Sudan. *Tropical Pest Management* 36: 296-304.
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- Cowie, R.H. 1983. Variation in mantle collar colour in the land snail *Theba pisana*: Evidence of climatic selection? *Proceedings of the Academy of Natural Sciences of Philadelphia* 135: 154-162.
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#### **Contributions to books** (15)

- Cowie, R.H., Hayes, K.A. & Thiengo, S.C. 2006. What are apple snails? Confused taxonomy and some preliminary resolution. In: *Global advances in ecology and management of golden apple snails* (ed. R.C. Joshi & L.C. Sebastian), p. 3-23. Philippine Rice Research Institute, Muñoz, Nueva Ecija.
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- Levin, P., Cowie, R.H., Taylor, J., Burnett, K., Hayes, K.A. & Ferguson, C. 2006. Apple snail invasions and the slow road to control: ecological, economic, agricultural and cultural perspectives in Hawaii. In: *Global advances in ecology and management of golden apple snails* (ed. R.C. Joshi & L.C. Sebastian), p. 325-335. Philippine Rice Research Institute, Muñoz, Nueva Ecija.
- Cowie, R.H. 2005. Disappearing land snails. In: *Natural history guide to American Samoa*, 2<sup>nd</sup> edition (ed. P. Craig), p. 56-57. National Park of American Samoa, Department of Marine and Wildlife Resources, American Samoa Community College, Pago Pago.
- Cowie, R.H. & Hayes, K.A. 2005. Invasive ampullariid snails: taxonomic confusion and some preliminary resolution based on DNA sequences. In: *Proceedings – APEC symposium on the management of the golden apple snail, September 6-11, 2004* (eds. Lai, P.-Y., Chang, Y.F. & Cowie, R.H.), p. 7-16. National Pingtung University of Science and Technology, Chinese Taipei.
- Cowie, R.H. 2005. The use, importance and preservation of malacological collections. In: *1 Simpósio nacional de coleções científicas*, p. 67-72. Instituto Oswaldo Cruz – Fiocruz, Rio de Janeiro.

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- Evenhuis, N.L. & **Cowie, R.H.** 1995. Bibliography. In: *Catalog of the native land and freshwater molluscs of the Hawaiian Islands* (Cowie, R.H., Evenhuis, N.L. & Christensen, C.C.), p. 205-235. Backhuys Publishers, Leiden.
- Cowie, R.H.** 1993. Non-marine Mollusca of Papua New Guinea. In: *Papua New Guinea Conservation Needs Assessment. Volume 2* (Ed. Beehler, B.M.), p. 311-320. Biodiversity Support Program, Washington, D.C.
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**Edited publications (special journal issues, conference proceedings, newsletter)** (21)

- Cowie, R.H.** 2010. *Newsletter of the IUCN/SSC Mollusc Specialist Group*. No. 18, 60 p.
- Cowie, R.H.** 2009. *Newsletter of the IUCN/SSC Mollusc Specialist Group*. No. 17, supplement, 2 p.
- Cowie, R.H.** 2009. *Newsletter of the IUCN/SSC Mollusc Specialist Group*. No. 17, 49 p.
- Héros, V., **Cowie, R.H.** & Bouchet, P. 2008. Tropical deep-sea benthos 25. *Mémoires du Muséum national d'Histoire naturelle* 196: 806 p.
- Treweek, S.A. & **Cowie, R.H.** 2008. Evolution on Pacific islands: Darwin's legacy. *Philosophical Transactions of the Royal Society of London B* 363(1508): 3289-3465 [cover illustration].
- Cowie, R.H.** 2008. *Newsletter of the IUCN/SSC Mollusc Specialist Group*. No. 16, 34 p.
- Cowie, R.H.** 2007. *Newsletter of the IUCN/SSC Mollusc Specialist Group*. No. 15, 32 p.
- Cowie, R.H.** 2006. *Newsletter of the IUCN/SSC Mollusc Specialist Group*. No. 14, 46 p.
- Lai, P.-Y., Chang, Y.F. & **Cowie, R.H.** 2005. *Proceedings – APEC symposium on the management of the golden apple snail, September 6-11, 2004*. National Pingtung University of Science and Technology, Chinese Taipei. [vi] + 153 p.
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- Cowie, R.H.** 1995. *Newsletter of the IUCN/SSC Mollusc Specialist Group*. No. 5, 17 p.
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**Cowie, R.H.** 1989. The First International Symposium on Fungus-growing Termites and the Tropical Environment. Symposium Issue. *Sociobiology* 15: 107-275 [cover illustration].

#### **Book reviews** (12)

**Cowie, R.H.** 2006. *Field guide to the land snails and slugs of eastern South Africa* by D. Herbert & D. Kilburn. *American Malacological Bulletin* 21: 117-118.

**Cowie, R.H.** 2005. *Alien species and evolution* by G.W. Cox. *Environmental Conservation* 32(1): 95-97.

**Cowie, R.H.** 2005. *A Primer of Conservation Genetics* by R. Frankham, J.D. Ballou & D.A. Briscoe. *Oryx* 39(2): 227.

**Cowie, R.H.** 2005. *The biology of terrestrial molluscs, Molluscs as crop pests, Natural enemies of terrestrial molluscs* [3 books] by G.M. Barker. *Newsletter of the IUCN/SSC Mollusc Specialist Group* 13: 21-23.

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