# **Aubrey Moore**

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## Education

1988	Ph.D., Entomology, University of Hawaii, Honolulu, Hawaii
1984	M.S., Entomology, Michigan State University, East Lansing, Michigan
1979	B.Sc., Integrated Science Studies, Carleton University, Ottawa, Ontario

# **Professional Experience**

2008-Pres.	Extension Entomologist, Cooperative Extension Service, University of Guam, Guam
2003-2008	Research Associate, College of Natural & Applied Sciences, University of Guam, Guam
1999-2003	Pesticide Evaluator, Pest Management Regulatory Agency, Health Canada, Ottawa, ON
1998-1999	Entomologist, School of Agriculture & Life Sciences, Northern Marianas College, Saipan
1992-1997	Research Director, School of Agriculture & Life Sciences, Northern Marianas College, Saipan
1991-1992	Entomologist, Northern Mariana Islands Department of Natural Resources, Saipan
1990-1991	Entomologist, USDA Agricultural Development in the American Pacific Project, Guam & Maui
1989-1990	Research Associate, University of Hawaii Agricultural Experiment Station, Maui, Hawaii
1988	Post-doctoral Fellow, Hawaiian Evolutionary Biology Program, Honolulu, Hawaii
1985–1988	Graduate Assistant, Department of Entomology, University of Hawaii, Honolulu, Hawaii

1985-1986	Programmer/consultant, University of Hawaii Computing Centre, Honolulu, Hawaii
1984	Research Associate, Department of Entomology, Michigan State University, East Lansing, MI
1984	Entomologist, Insect and Rodent Control Section, Michigan Dept. of Public Health, Lansing, ${\bf MI}$
1981-1984	Graduate Assistant, Department of Entomology, Michigan State University, East Lansing, MI
1979-1981	Research Tech., Forest Pest Management Institute, Environment Canada, Sault Ste. Marie, ON
1975-1979	Research Technician, Chemical Control Research Institute, Environment Canada, Ottawa, ON

# **Professional Memberships**

Entomological Society of America Hawaiian Entomological Society Florida Entomological Society Pacific Science Association Sigma Xi Research Fraternity

### **Publications**

## **Book Chapters**

	Book Chap	
[1]	,	Moore, A. & J. A. Tenorio 2006. Our Islands' Insects and Their Relatives. In <i>Island Ecology and Resource Management</i> . Editor: J. Furey; Publisher: Northern Marianas College Press.
[2]	,	Schreiner, I., L. Yudin, A. Moore & D. Nafus 1998. Management of Insects and Mites. In <i>Guam Cucurbit Guide</i> . Editors: L. Yudin & R. Schlub; Publisher: College of Agriculture & Life Sciences, University of Guam.
[3]	,	Hunter, W. B., D. E. Ullman & A. Moore 1994. Electronic Monitoring: Characterizing the Feeding Behavior of Western Flower Thrips (Thysanoptera: Thripidae). in <i>History, Development, and Application of AC Electronic Insect Feeding Monitors</i> . Editors: M. M. Ellsbury, E. A. Backus & D. L. Ullman; Publisher: Entomological Society of America.

#### **Refereed Journal Articles**

- [1] Manuel, J., Tennent, W. J., Buden, D. W., & Moore, A. (2018). First record of *Doleschallia tongana* (Lepidoptera: Nymphalidae) for Guam Island. F1000Research, 7, 366. https://doi.org/10.12688/f1000research.14316.1
- [2] Moore, A., Barahona, D. C., Lehman, K. A., Skabeikis, D. A., Iriarte, I. R., Jang, E. B., & Siderhurst, M. S. (2017). Judas beetles: Discovering cryptic breeding sites by radio-tracking coconut rhinoceros beetles, Oryctes rhinoceros (Coleoptera: Scarabaeidae). Journal of Environmental Entomology, 46(1), 92-99. https://doi.org/10.1093/ee/nvw152
- [3] Marshall, S. D. G., Moore, A., Vaqalo, M., Noble, A., & Jackson, T. A. (2017). A new haplotype of the coconut rhinoceros beetle, *Oryctes rhinoceros*, has escaped biological control by *Oryctes rhinoceros* nudivirus and is invading Pacific Islands. Journal of Invertebrate Pathology, 149, 127-134. https://doi.org/10.1016/j.jip.2017.07.006
- [4] Moore, A., Quitugua, R., Iriarte, I., Melzer, M., Watanabe, S., Cheng, Z., & Barnes, J. M. (2016). Movement of Packaged Soil Products as a Dispersal Pathway for Coconut Rhinoceros Beetle, *Oryctes rhinoceros* (Coleoptera: Scarabaeidae) and Other Invasive Species. Proceedings of the Hawaiian Entomological Society, 48, 21-22. Retrieved from http://scholarspace.manoa.hawaii.edu/handle/10125/42743
- [5] Moore, A., Jackson, T., Quitugua, R., Bassler, P., & Campbell, R. (2015). Coconut rhinoceros beetles (Coleoptera: Scarabaeidae) develop in arboreal breeding sites in Guam. Florida Entomologist, 98(3), 1012-1014. Retrieved from http://journals.fcla.edu/flaent/article/download/84794/84044
- [6] Moore, A., Watson, G., & Bamba, J. (2014). First record of eggplant mealybug, *Coccidohystrix insolita* (Hemiptera: Pseudococcidae), on Guam: Potentially a major pest. Biodiversity Data Journal, 2. https://doi.org/10.3897/BDJ.1.e1042
- [7] Marler, T.E, A. Moore, and R. Miller 2013. Vertical stratification in predation of armored scale on *Cycas micronesica* seedlings. HortScience 48(1) 60-62.
- [8] Marler, TE, Wiecko G, Moore A. 2012. Application of game theory to the interface between militarization and environmental stewardship in the Mariana Islands. Commun Integr Biol. 5:193-195 .URL: http://dx.doi.org/10.4161/cib.18889

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- [10] Marler, T. E. and A. Moore 2011. Military threats to terrestrial resources not restricted to wartime: a case study from Guam. Journal of Environmental Science and Engineering (USA) 5: 1198-1214.
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- Van Driesche, R.G., Carruthers, R.I., Center, T., Hoddle, M.S., Hough-Goldstein, J., Morin, L., Smith, L., Wagner, D.L., Blossey, B., Brancatini, V., Casagrande, R., Causton, C.E., Coetzee, J. A., Cuda, J., Ding, J., Fowler, S.V., Frank, J.H., Fuester, R., Goolsby, J., Grodowitz, M., Heard, T.A., Hill, M.P., Homann, J.H., Huber, J., Julien, M., Kairo, M.T.K., Kenis, M., Mason, P., Medal, J., Messing, R., Miller, R., Moore, A., Neuenschwander, P., Newman, R., Norambuena, H., Palmer, W.A., Pemberton, R., Perez Panduro, A., Pratt, P.D., Rayamajhi, M., Salom, S., Sands, D., Schooler, S., Sheppard, A., Shaw, R., Schwarzl nder, M., Tipping, P.W., van Klinken, R.D., 2010. Classical biological control for the protection of natural ecosystems: past achievements and current efforts. Biological Control. Biological Control 54 Supplement 1: S2-S33.
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#### Presentations

- [1] Moore A. 2018. Failed Attempts to Establish IPM for Asian Cycad Scale and Coconut Rhinoceros Beetle on Guam. Annual Meeting of the Entomological Society of America; 2018 Nov; Vancouver, BC, Canada.
- [2] Rosario C, Miller R, Moore A, Sablan, L. 2018. Greater banded hornet (Vespa tropica) established at several locations on Guam. Annual Meeting of the Entomological Society of America; 2018 Nov; Vancouver, BC, Canada.
- [3] Moore, A. 2018. Coconut Rhinoceros Beetle Update. Regional Invasive Species Council, Guam, 2018 Sep 20.
- [4] Moore, A. 2018. Guam Biodiversity Inventory. Regional Invasive Species Council Meeting at the Plant Inspection Facility, Tiyan, Guam 2018 Sep 21.
- [5] Moore, A. 2018. The Coconut Rhinoceros Beetle Outbreak on Guam: What Can Be Done About It? [Internet]. 2018 Sep 22. Available from: https://ndownloader.figshare.com/files/13141172
- Blas AL, Quitugua R, Moore A 2018. Protecting a cultural icon and food resource: Current research and status of Coconut palm in Guam and the Northern Marianas [Internet]. Joint Meeting of the American Phytopathological Society (APS), Pacific Division and Conference on Soilborne Plant Pathogens (CSPP); 2018 Jun 27 [cited 2018 Aug 25]; Portland, Oregon. Available from: https://www.apsnet.org/members/divisions/pac/meetings/Documents/APS\_PacificDivisionCSPP\_2018\_PROGRAM%20SCHEDULE.pdf
- [7] Deloso BE, Moore A, Marler TE 2018. Parasitoid Surveys in Cycad Habitats on Guam. American Society for Horticulture Science 2018 Annual Conference; 2018 Aug 3 [cited 2018 Aug 25]; Washington, D.C. Available from: https://ashs.confex.com/ashs/2018/meetingapp.cgi/Paper/28523
- [8] Marshall SDG, Moore A, Ero M, Fanai C, Vaqalo M, Jackson TA 2018. Progress with control of a virus resistant coconut rhinoceros beetle. 51st Annual Meeting of the Society for Invertebrate Pathology and International Congress on Invertebrate Pathology and Microbial Control; 2018 Sep 13; Gold Coast, Australia.

- [9] Moore A 2018. Biological Invasion of Guam. WEDA/WAAESD Joint Summer Meeting; 2018 Jul 11 [cited 2018 Jul 20]; Guam. Available from: https://github.com/aubreymoore/Guam-Bioinvasion-July-2018/raw/master/compress\_biological\_invasion\_of\_guam\_July\_2018.pdf
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- [11] a Terrestrial Α. 2018. Building Biodiversity Inventory Guam Island Sustainability Conference; 2018 Guam. Apr 26 [cited 2018 May 30]; Tumon Bay, Guam. Available from: https://figshare.com/articles/Building\_a\_Terrestrial\_ Biodiversity\_Inventory\_for\_Guam/6188315
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- [13] Moore A. 2018. Coconut Rhinoceros Beetle Invasion of Guam. 2018 Coconut Rhinoceros Beetle Training for CNMI; 2018 Jul 30; UOG, Guam.
- [14] Moore A. 2018. Free Cell Phone Apps for Pest Surveys. 2018 Coconut Rhinoceros Beetle Training for CNMI; 2018 Aug 9; UOG, Guam.
- [15] Moore A, Marshall SDG, Quitugua R, Iriarte IR 2018. Attempted microbial control of coconut rhinoceros beetle, Oryctes rhinoceros, biotype G on Guam using Oryctes rhinoceros nudivirus and Metarhizium majus. 51st Annual Meeting of the Society for Invertebrate Pathology and International Congress on Invertebrate Pathology and Microbial Control; 2018 Sep 13; Gold Coast, Australia. Available from: https://www.zotero.org/aubreymoore/items/7VDF7QFR/file
- [16] Moore A. 2017. Access to Information on Forest Insect Pests in Micronesia. 2017 Pacific Island Forestry Professionals Workshop; 2017 Apr 4; Tumon Bay, Guam.
- [17] Moore A. 2017. Biological Control of Cycad Scale, Aulacaspis yasumatsui, Attacking Guam?s Endemic Cycad, Cycas micronesica [Internet]. 2017 Pacific Island Forestry Professionals Workshop; 2017 Apr 4 [cited 2017 Apr 3]; Tumon Bay, Guam. Available from: https://github.com/aubreymoore/Guam-Forestry-Workshop-Resources/raw/master/CycadScaleBiocontrolChile.pdf
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- [20] Moore A. 2017. Coconut Rhinoceros Beetle [Internet]. Extension and Outreach Monthly Meeting; 2017 Apr 7; University of Guam. Available from: https://aubreymoore.github.io/extalk-APR2017/EXTALK\_APR2017.html
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- [22] Moore A. 2017. Invasion of Guam by the Coconut Rhinoceros Beetle, Oryctes rhinoceros (Linnaeus 1758). 2017 Island Sustainability Conference; 2017; Guam.
- [23] Moore A 2017. The coconut rhinoceros beetle invasion of Guam: An unprecedented disaster [Internet]. 2017 Pacific Island Forestry Professionals Workshop; 2017 Apr 4 [cited 2017 Apr 3]; Tumon Bay, Guam. Available from: The coconut rhinoceros beetle invasion of Guam: An unprecedented disaster
- [24] Moore A. 2017. Using free Cell Phone Apps for Forest Pest Surveys. 2017 Pacific Island Forestry Professionals Workshop; 2017 Apr 4; Tumon Bay, Guam.
- [25] Aubrey Moore 2016. Discovery of the Coconut Rhinoceros Beetle Guam Biotype and Implications for Global Control [Internet]. Future proofing the palm industries: Limiting damage by existing (CRB-P) and invasive (CRB-G) coconut rhinoceros beetle (Oryctes rhinoceros) in the Pacific; 2016 Jun; Suva, Fiji. Available from: http://guaminsects.net/GISC\_NOV2015/GISC\_NOV2015/Moore\_ESA\_PB\_APR2016.html
- [26] Aubrey Moore 2016. Guam Report. National Plant Diagnostics Network Meeting; 2016 Mar; Washington, D.C.
- [27] Marshall SDG, Vaqalo M, Moore A, Quitugua R, Jackson TA 2016. Detection of an invasive biotype of Oryctes rhinoceros (L.) in the Pacific [Internet]. XXV International Congress of Entomology; 2016 Sep 26; Orlando,

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- [50] Moore, A. 2012. CRB is the BTS of the 21st Century. Brown Treesnake Technical Working Group Meeting. Conference Paper (oral presentation)
- [51] Moore, A. 2012. Insect pests of ironwoods. Ironwood Decline Conference, Guam. Conference Paper (oral presentation)
- [52] Moore, A. 2012. Insect pests of trees on Guam. Ironwood Decline Conference, Guam. Conference Paper (oral presentation)
- [53] Moore, A. 2012. Update on the Guam coconut rhinoceros beetle eradication project. Western Micronesia Invasive Species Committee Annual Meeting. Conference Paper (oral presentation)
- [54] Moore, A. 2012. Update on the Guam coconut rhinoceros beetle eradication project. Guam Invasive Species Council. Conference Paper (oral presentation)
- [55] Moore, A, Quitugua R. 2011. Challenges of eradicating coconut rhinoceros beetle, *Oryctes rhinoceros*, on Guam. Society of American Foresters Annual Conference. Conference Paper (oral presentation)
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- [58] Miller, RH, Moore A, Reddy GVP. 2011. The invasion of Pacific islands: some thought on invasive species, insular ecosystems, and human impact in the western Pacific. Entomological Society of America Pacific Branch Annual Meeting. Conference Paper (oral presentation)
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- [60] Moore, A. 2011. Containing the rhinoceros beetle outbreak on Guam. International Plant Protection Congress. Conference Paper (oral presentation)
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- [63] Mersha, Z, Schlub RL, Moore A. 2009. The state of ironwood, Casuarina equisitifolia ssp. equisitifolia, decline on the Pacific island of Guam. American Phytopathological Society. Conference Paper (poster presentation)
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