

BIOGRAPHICAL SKETCH

GARY D. ALPERT

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A. PROFESSIONAL PREPARATION

<u>College/University</u>	<u>Major</u>	<u>Degree & Year</u>
Washington State University	Psychology	B.S., 1969
Washington State University	Entomology	M.S., 1972
Harvard University	Biology	Ph.D., 1981

B. ACADEMIC/PROFESSIONAL APPOINTMENTS

2012 - : Associate, Museum of Comparative Zoology, Harvard University
2000 - : Adjunct Faculty, University of Massachusetts (Boston and Amherst)

C. PUBLICATIONS

Publications Most Closely Related to Proposal

Alpert, G. D. 2007. A review of the ant genus *Metapone* Forel from Madagascar. *Memoirs of the American Entomological Institute* 80:8-18.

http://www.antwiki.org/Ant_Wiki/images/0/0a/Alpert_2007.pdf

Bolton, B., Alpert, G., Ward, P. S., and Naskrecki, P. 2007. *Bolton's Catalogue of ants of the world: 1758-2005*. Cambridge, Mass.: Harvard University Press, CD-ROM.

Borowiec, M.L., Schulz, A., Alpert, G.D., and Banar, P. 2011. Discovery of the worker caste and description of two new species of *Anomalomyrma* with unique abdominal morphology. *Zootaxa* 2810: 1-14. http://www.antwiki.org/Ant_Wiki/images/4/44/Borowiec_2011.pdf

Ellison, A.M., Gotteli, N.J., Farnsworth, E.J. and Alpert, G.D. 2012. *A Field Guide to the Ants of New England*. 2012 (November). Yale University Press. New Haven, CT. 398p.

General, D.M. and Alpert, G.D. 2012. A synoptic review of the ant genera of the Philippines. *ZooKeys* 200: 1-111. <http://www.pensoft.net/journals/zookeys/article/2447/a-synoptic-review-of-the-ant-genera-hymenoptera-formicidae-of-the-philippines%7C>

Other Significant Publications

Alpert, G. D. 1994. A Comparative Study of the Symbiotic Relationship Between Beetles of the Genus *Cremastocheilus* (Coleoptera: Scarabaeidae) and their Host Ants (Hymenoptera: Formicidae). *Sociobiology* 25:1-276.

Duffield, R. and Alpert, G.D. 2011. Colony Structure and Nest Location of Two Species of Dacetine Ants: *Pyramica ohioensis* (Kennedy & Schramm) and *Pyramica rostrata* (Emery) in Maryland (Hymenoptera: Formicidae), *Psyche* (2011), Article ID 526175, 9 pages.

http://www.antwiki.org/Ant_Wiki/images/1/1f/Duffield_Alpert_2011.pdf

Eguchi, K., Bui, T.V., General, D.M. and Alpert, G.D..2009. Revision of the ant genus *Anillomyrma* Emery, 1913 (Hymenoptera: Formicidae: Myrmicinae: Solenopsidini). Myrmecological News 13: 31-36.
http://www.antwiki.org/Ant_Wiki/images/e/e9/Eguchi_et_al_2009.pdf

Hölldobler, B., Liebig, J. and Alpert, G. D. 2002. Gamergates in the myrmicine genus *Metapone* (Hymenoptera: Formicidae). Naturwissenschaften 89:305-307.

Möglich, M. and Alpert, G.D. 1979. Stone dropping by *Conomyrma bicolor* (Hymenoptera: Formicidae). A new technique of interference competition. Behav. Ecol. Sociobiol. 6:105-113.

D. SYNERGISTIC ACTIVITIES

1. Co-instructor for the Ant Course. Taught in alternate years at the Southwestern Research Station, Arizona. Sponsored by Harvard University and the Cal. Acad. of Science. Intensive 2 week course on ant taxonomy and ant biology 2001-2011.
2. Global Ant Project Coordinator for the Global Ant Project at: <http://gap.entclub.org/> and the AntWiki Project http://www.antwiki.org/Main_Page . Web based tools for exchange of technical information on Formicidae and collaboration with scientists and students on a global basis.
3. Instructor and collaborator with the Navajo Nation on Ant Biodiversity for the last 4 years. Training of Navajo biology interns and collaboration with Navajo scientists and the Dine Environmental Institute. Creation of Navajo Nature web site at: <http://navajonature.org/> Funded this research via a grant from the Christensen Fund.
4. Coordination of ant type database and image project at Harvard University with expertise in macro image technology. Collaboration with Leica, Syncroscopy, and Public Health (U.S. Army).
5. Taught the Ant Course for the Below Ground Biodiversity Project under direction of David Bignell that included participation by Sulawesi, Uganda, Kenya and other countries.

Collaborators and other affiliations

Borowiec, M., U.C. Davis; Cobb, N., Northern Arizona University; Duffield, R., Howard University; Ellison, A., Harvard University; Farnsworth, E., New England Wild Flower Society; General, D., (UPLB, Philippines); Gotteli, N., University of Vermont; Guenard, B., North Carolina University; Lubertazzi, D., Harvard University; Maxwell, B., Northern Arizona University; Shattuck, S., CSIRO, Australia; Wetter, J. Florida Atlantic University; Wilson, E.O., Harvard University.

Graduate and postdoctoral advisors

Bert Hölldobler (Harvard University), Robert Silberglied (Harvard University) and E.O. Wilson (Harvard University)

Thesis advisor and postgraduate scholar sponsor over the last five years:

Beverly Maxwell (Northern Arizona University) grad student

Total Number of Graduate Students advised: 2