

## Curriculum Vitae

### Aysha L. Prather

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### Education

|                                    |  |              |           |
|------------------------------------|--|--------------|-----------|
| Royal Ontario Museum               | Centre for Biodiversity and Conservation Biology | Postdoctoral | 2002-2004 |
| University of Minnesota            | Entomology                                       | Ph.D.        | 2002      |
| Clemson University                 | Entomology                                       | M.S.         | 1998      |
| University of California, Berkeley | Integrative Biology                              | B.A.         | 1992      |

### Professional Experience

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|--|--|----------------------------|--------------|
| University of Memphis                  | Department of Biology                            | Affiliate Graduate Faculty | 2004-present |
| Christian Brothers University, Memphis | Department of Biology                            | Adjunct Faculty            | 2004         |
| Royal Ontario Museum                   | Centre for Biodiversity and Conservation Biology | Postdoctoral Fellow        | 2002-2004    |
| University of Minnesota                | Department of Entomology                         | Research Assistant         | 1997-2000    |
| University of Minnesota                | Department of Entomology                         | Teaching Assistant         | 1998, 2000   |
| Clemson University                     | Biology Program                                  | Visiting Lecturer          | 1996         |
| Clemson University                     | Department of Entomology                         | Research Assistant         | 1994-1996    |
| California Academy of Sciences         | Department of Entomology                         | Curatorial Assistant       | 1993-1994    |

### Professional Societies

Entomological Collections Network  
Entomological Society of America  
North American Benthological Society  
Society of Systematic Biologists  
Willi Hennig Society

### Service

Co-organizer for Aquatic Insects Symposium, Entomological Society of America Annual Meeting, 2005.  
Ad hoc reviewer for *Biota Neotropica*, *Journal of the North American Benthological Society*, *Pan-Pacific Entomologist*, *Zootaxa*.  
Ad hoc grant reviewer for NSF, 2004, 2005, 2006.  
Grant Review Panel: NSF Doctoral Dissertation Improvement Grants, 2005.  
Student Representative—Entomology Department Awards Committee, 2001.  
President—Frenatae, University of Minnesota entomology graduate student organization, 1998-1999.  
Student Representative—Entomology Department Computer Committee, September 1998-2000.  
Treasurer—Frenatae, University of Minnesota entomology graduate student organization, 1998.  
Volunteer—California Academy of Sciences, Biodiversity Resource Center & Department of Entomology, 1992-1994.  
Volunteer—San Francisco Zoo, Insect Zoo, 1992-1994.

### **Foreign Field Experience**

May 2003. Guatemala. Collection of Trichoptera and Simuliidae.

September 2002. Brazil. Collection of Trichoptera.

February-March 2002. Brazil. Collection of Trichoptera.

June 1996. Mongolia. Collection of aquatic insects, in conjunction with an expedition by freshwater scientists from the Philadelphia Academy of Sciences, Clemson University, and University of Michigan.

July 1994. Turkey. Collection of beetles and aquatic insects.

### **Fellowships, Grants, and Awards:**

2002, Entomological Foundation: Snodgrass Memorial Research Award.

2001, National Science Foundation, PEET: Taxonomic and Monographic Studies in Neotropical Trichoptera (Insecta) (Co-Principal Investigator with R. W. Holzenthal, R. J. Blahnik, and S. Harris).

2001, National Science Foundation, International Research Fellowship Program: Phylogenetic Analysis of the Family Odontoceridae (Trichoptera) and a Revision of the Tropical Genus *Marilia*.

2000, University of Minnesota, Graduate School, Doctoral Dissertation Fellowship.

1999, University of Minnesota, Graduate School, Doctoral Dissertation Special Grant,

1999, National Science Foundation, Dissertation Research: Phylogenetic Analysis of the Family Calamoceratidae (Trichoptera), and a Revision of the Neotropical Genera *Phylloicus* and *Banyallarga* (with R. W. Holzenthal).

1999-2001, University of Minnesota, Dayton and Wilkie Natural History Funds,.

1998-2001, University of Minnesota, Department of Entomology, Chiang Graduate Student Travel Awards.

1994-1996, Clemson University College of Agricultural Sciences, Stackhouse Fellowship.

### **Publications**

Morse, J. C., N. A. Rozhkova, A. L. Prather, T. S. Vshivkova, and S. C. Harris. 2006. Trichoptera of Mongolia, with emphasis on the Hövsgöl drainage fauna. *In* C. E. Goulden, T. Sitnikova, J. Gelhaus and B. Boldgiv [eds.], *The Geology, Biodiversity and Ecology of Lake Hövsgöl (Mongolia)*. Backhuys Publishers, Amsterdam.

Prather, A. L. 2004. A revision of the Neotropical caddisfly genus *Banyallarga* (Trichoptera: Calamoceratidae). *Zootaxa* 435: 1-76.

Prather, A. L. 2003. A revision of the Neotropical caddisfly genus *Phylloicus* (Trichoptera: Calamoceratidae). *Zootaxa* 275: 1-214.

Prather, A. L., and R. W. Holzenthal. 2002. The identity of *Silvatares excelsus* Navás 1931, pp. 231-234. *In* W. Mey and W. Wichard [eds.], 10th International Symposium on Trichoptera. Goecke & Evers, Keltern.

Prather, A. L., and J. C. Morse. 2001. Eastern Nearctic *Rhyacophila* species, with revision of the *Rhyacophila invaria* Group (Trichoptera: Rhyacophilidae). *Transactions of the American Entomological Society* 127: 85-166.

Prather, A. L., A. L. Syrett, and J. C. Morse. 1997. Females of *Rhyacophila* (Trichoptera: Rhyacophilidae) from the southeastern United States, pp. 387-399. *In* R. W. Holzenthal and O. S. Flint, Jr. [eds.], 8th International Symposium on Trichoptera. Ohio Biological Survey, Columbus, Ohio

### **Manuscripts in Preparation**

Prather, A. L. Phylogenetic relationships of the caddisfly family Calamoceratidae (Insecta: Trichoptera). Phylogenetic relationships of the caddisfly family Odontoceridae (Insecta: Trichoptera).

Prather, A. L., R. W. Holzenthal, K. M. Kjer, and S. J. Weller. Phylogeny and higher classification of Leptoceroidea (Insecta: Trichoptera): analysis of morphological and molecular characters.

### Electronic Publications

Holzenthal, R. W., A. L. Prather, and S. A. Marshall. Interactive key to the orders of aquatic insects. CD-ROM and website to accompany *An Introduction to the Aquatic Insects of North America*, Editors R. W. Merritt and K. W. Cummins (4th edition, in press).

<[http://www.entomology.umn.edu/museum/projects/Interactive\\_Keys/Start\\_Here.html](http://www.entomology.umn.edu/museum/projects/Interactive_Keys/Start_Here.html)>.

Holzenthal, R. W., A. L. Prather, and D. R. Robertson. 2001-2006. University of Minnesota Insect Collection. <<http://www.entomology.umn.edu/museum>>

Coordinator for Trichoptera pages for the Tree of Life project.

<<http://tolweb.org/tree?group=Trichoptera&contgroup=Endopterygota>>

### Presentations at Scientific Meetings

May 2005. National meeting of the North American Benthological Society, New Orleans, LA. "Systematics of calamoceratid caddisflies (Trichoptera)."

November 2004. National Meeting of the Entomological Society of America, Salt Lake City, UT.

"Systematics of the caddisfly genus *Marilia* (Trichoptera: Odontoceridae)."

June 2004. National meeting of the North American Benthological Society, Vancouver, BC. "Digital data management, interactive keys, and aquatic insect taxonomy on the web."

June 2003. Evolution 2003, Chico, CA. "Systematics of odontocerid caddisflies (Trichoptera): larval and adult character systems."

December 2001. National meeting of the Entomological Society of America, San Diego, CA. "Systematics of the New World Calamoceratidae (Trichoptera)."

June 2001. National meeting of the North American Benthological Society, La Crosse, Wisconsin. "Phylogenetic utility of larval morphological characters in recovering caddisfly (Trichoptera) relationships."

December 2000. National meeting of the Entomological Society of America, Montreal, Canada.

"Leptoceroid caddisflies: phylogenetic analysis of combined morphological and molecular data."

July 2000. 10th International Symposium on Trichoptera, Potsdam, Germany. "Neotropical Calamoceratidae, with a review of the world genera."

June 1999. Evolution '99, Madison, WI. "Phylogenetic relationships of calamoceratid (Trichoptera) genera: the evidence of molecules and morphology."

May 1999. National meeting of the North American Benthological Society, Duluth, MN. "Phylogenetic relationships of calamoceratid (Trichoptera) genera and a revision of the Neotropical species."

November 1998. National meeting of the Entomological Society of America, Las Vegas, NV. "Evaluating the phylogenetic utility of genes: a search for genes informative about generic relationships of calamoceratid caddisflies (Trichoptera: Calamoceratidae)."

June 1997. National meeting of the North American Benthological Society, San Marcos, TX. "Revision of the *Rhyacophila invaria* Group (Trichoptera: Rhyacophilidae) and discussion of eastern Nearctic *Rhyacophila* species."

June 1995. National meeting of the North American Benthological Society, Keystone, CO. "Females of *Rhyacophila* (Trichoptera: Rhyacophilidae) from the southeastern United States."