

CHRISTOPHER C. WIRTH
Curriculum Vitae

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EDUCATION

Northern Arizona University

M.S. in Biological Sciences, in progress
Major Advisor: Aaron D. Smith

Randolph-Macon College

B.S. in Biology, June 2013. *Cum Laude* with Honors
Minors: Chemistry and Classical Studies
Honors thesis:

Description of the third instar larvae of *Cicindelidia abdominalis* F., *C. floridana* Cartwright,
C. highlandensis Choate, and *C. scabrosa* Schaupp (Coleoptera: Carabidae: Cicindelinae)

Advisors: James Foster (academic); Chaz Gowan and C. Barry Knisley (honors thesis)

PROFESSIONAL EMPLOYMENT

Parsons Corporation

Wildlife Biologist, April 2015-August 2015 (contract)

Extensive forest insects survey, sample sorting and specimen preparation

Randolph-Macon College

Museum Assistant, Biology Department, September 2009-May 2013

Revitalization and curation of neglected Departmental zoological teaching collection, integration of specimens in courses and in outreach programs

PUBLICATIONS

3. Smith, A.D. and **C.C. Wirth**. 2016. A new genus and species of stridulating Edrotini (Coleoptera: Tenebrionidae: Pimeliinae) from West Texas, with notes on stridulation within the tribe. *Annales Zoologici*, 66(4): 577-587.
2. Knisley, C.B. and **C.C. Wirth**. 2013. Biological Studies of the Florida Tiger Beetle, *Cicindelidia floridana*, 2011-2013: Final Report. Report to the U.S. Fish and Wildlife Service, South Florida Ecological Services Office. 13pp.

1. Gibson, J.D. and C.C. Wirth. 2006. Field Notes: *Eumeces fasciatus* (Five-lined Skink). *Catesbeiana*. 26(1): 24-26.

MANUSCRIPTS IN PREPARATION

- Wirth, C.C. and A.D. Smith. A new species of *Trichiotes* Casey (Coleoptera: Tenebrionidae: Pimeliinae: Edrotini) from Cuatrociénegas, Mexico with a key to the genus. Target journal: *Zootaxa*.
- Knisley, C.B. and C.C. Wirth. Habitat, distribution, and conservation issues of the Miami tiger beetle, *Cicindelidia floridana* (Coleoptera: Carabidae: Cicindelinae). Target journal: *Insecta Mundi*.
- Smith, A.D., C.C. Wirth, R.P. Lumen, and B.A.A. Thomas. Revision of the New World Amarygmini (Coleoptera: Tenebrionidae) genus *Cymatotheres* Solier. Target journal: *ZooKeys*
- Smith, A.D., C.C. Wirth, and K.C. Seltmann. The production of defensive pruinescence in asidine darkling beetles (Coleoptera: Tenebrionidae: Asidini) and the identification of novel cuticular microstructures. Target journal: *Arthropod Structure and Development*.
- Wirth, C.C. and A.D. Smith. A revision of the genus *Edrotes* Leconte (Coleoptera: Tenebrionidae: Pimeliinae) with descriptions of new species. Target journal: *ZooKeys*.
- Wirth, C.C. and C. Gowan. Description of the third instar larvae of *Cicindelidia abdominalis* F., *C. floridana* Cartwright, *C. highlandensis* Choate, and *C. scabrosa* Schaupp (Coleoptera: Carabidae: Cicindelinae). Target journal: *Coleopterists Bulletin*.

HONORS AND AWARDS

- Edwin W. Bowen Prize in Advanced Latin, Randolph-Macon College Classics Department. 2013
- Phi Beta Kappa Society, Zeta of Virginia Chapter. 2013
- National Key Award, Chi Beta Phi National Board of Officers. 2012
- Chi Beta Phi National Science Honorary. 2012
- Beta Beta Beta National Biological Honor Society. 2012
- Douglas W. Foard Phi Beta Kappa Sophomore Award. 2011
- Randolph-Macon College Dean's List. 2010-2013

GRANTS AND FELLOWSHIPS

3. William Neal Cunningham Memorial Fund. \$2750. Randolph-Macon College, Biology Department. May 2013. Presented for "outstanding work in the field sciences."
2. Schapiro Undergraduate Research Fellowship. \$3500. Randolph-Macon College. 2010
1. Youth Incentive Award. \$550. Coleopterists Society. 2006

PRESENTATIONS

- Wirth, C.C. and A.D. Smith. 2016. A preliminary phylogeny of *Edrotes* LeConte (Coleoptera: Tenebrionidae). International Congress of Entomology meeting. Orlando, FL (poster)
- Wirth, C.C. and C. Gowan. 2013. Description of the third instar larvae of the *Cicindelidia abdominalis* complex. Biology Department Research Colloquium, Randolph-Macon College. Ashland, VA (talk)
- Wirth, C.C. and Knisley, C.B. 2012. Microhabitat preference and larval development in the Coral Pink Sand Dunes Tiger Beetle. Chi Beta Phi National Conference. Davis and Elkins College, Elkins, WV (talk)

Wirth, C.C. and Knisley, C.B. 2010. Preliminary results: larval development in the Coral Pink Sand Dunes Tiger Beetle. Schapiro Undergraduate Research Fellowship Symposium, Randolph-Macon College. Ashland, VA (poster)

WORKSHOPS AND CONFERENCES ATTENDED

Coleopterists Society Annual Meeting. Orlando, FL. September 27, 2016
International Congress of Entomology. Orlando, FL. September 25-30, 2016
Entomological Collections Network Annual Meeting. Orlando, FL. September 23-24, 2016
4th Bozeman Invitational Beetle Families Workshop. Bozeman, MT. June 12-21, 2016
Coleopterists Society Annual Meeting. Minneapolis, MN. November 16, 2015
Entomological Society of America. Minneapolis, MN. November 15-18, 2015
Entomological Collections Network Annual Meeting. Minneapolis, MN. November 14-15, 2015
Eastern Branch Annual Meeting, Entomological Society of America. Charlottesville, VA. March 13, 2006

TEACHING EXPERIENCE

Northern Arizona University

Teaching Assistant, Unity of Life II: Lives of Multicellular Organisms, Spring 2017

Teaching Assistant, Phylogenetics, Spring 2016

Teaching Assistant, General Entomology, Fall 2015, Fall 2016

Randolph-Macon College

Latin Tutor, Classics Department, June 2011-January 2013

RESEARCH EXPERIENCE

C.B. Knisley, Randolph-Macon College

Field Research Assistant, July 2006-2013

Cicindelinae population counts, habitat quality assessment, and natural history observations

Virginia Department of Conservation and Recreation, Natural Heritage Program

Volunteer, May 2006-July 2009.

Active and passive insect collection, specimen preparation, and data entry

SERVICE AND OUTREACH

Graduate Program Committee Representative, Biology Graduate Student Association, Northern Arizona University. 2016-2017

Presenter, Colorado Plateau Museum of Arthropod Biodiversity, Northern Arizona University Science and Engineering Day. October 1, 2016

Graduate Student Selection Committee Representative, Biology Graduate Student Association, Northern Arizona University. 2016-2017

Judge, 29th Annual Science Fair, Marshall Elementary School. February 16, 2016

Historian, Chi Beta Phi National Science Honorary National Board of Officers. 2012-2013

Treasurer, Chi Beta Phi National Science Honorary Alpha Chapter. 2012-2013

Secretary, Student Honors Association, Randolph-Macon College. 2012-2013

Contributing photographer and writer, The Yellow Jacket Newspaper, Randolph-Macon College, Ashland, VA. 2011-2012

Contributing editor for BugGuide.net. October 2005-Present

PROFESSIONAL AFFILIATIONS

Entomological Society of America (2015-present)

Entomological Collections Network (2015-present)

Cicindela: A quarterly journal devoted to Cicindelidae (2008-present)

Coleopterists Society (2006-present)

SIGNIFICANT FIELD EXPERIENCE

Myrmecocystus (Hymenoptera: Formicidae) colony excavation for the Museum of Northern Arizona. Coconino County, AZ. October 22 and 29-30, 2016

Edrotini sampling, western US: AZ, CA, NV, OR, UT, ID. May-June 2016

Montezuma Well Centennial BioBlitz. May 21-22, 2016

Peppersauce Canyon, Oracle, AZ. October 9-11, 2015

General Entomology trips to Walnut Creek Center for Education and Research, Prescott, AZ. September 11-13, 2015, September 9-11, 2016

Southeastern Arizona. August 2013

Belmead Bioblitz, Powhatan, VA, May 18-19, 2013

Miami-Dade County, FL. August 2010-2012, January 2013

Biological inventory, Breaks Interstate Park, Breaks, VA. July 2008

Bethel Beach Natural Area Preserve, Mathews County, VA. July 2008

Coleoptera inventory, First Landing State Park. July 2007

Coral Pink Sand Dunes, Kanab, UT. May 2007, 2008, May 23 - June 17, 2010

Assateague Island National Seashore. July 2006, 2008, 2010-2013

Potomac Gorge Bioblitz, Glen Echo, MD, June 24-25, 2006

Calvert County, MD: June 2006, 2011-2013

ENTOMOLOGICAL COLLECTIONS VISITED

Florida State Collection of Arthropods. Gainesville, FL

Frank M. Hasbrouck Insect Collection. Tempe, AZ

National Museum of Natural History, Smithsonian Institution, Washington, D.C.

Museum of Northern Arizona. Flagstaff, AZ

University of Arizona Insect Collection. Tuscan, AZ