



## Division of Ecology and Evolution

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### DEE Officers & Representatives

Michael Angilletta  
*Chair-Elect 2013-2015*

H. Art Woods  
*Past Chair 2013-2015*

Aaron Krochmal  
*Secretary 2013-2015*

Elizabeth Dahlhoff  
*Program Officer 2012-2014*

Donald Miles  
*Program Officer-Elect 2013-2014*

Abigail Cahill  
*Student/Postdoc Rep 2011-2014*

### Message from the Chair

Michael J. Angilletta, Jr. ([Chair.DEE@sicb.org](mailto:Chair.DEE@sicb.org))

What's up DEE?! In January, I became your new Chair. I look forward to working with the continuing Secretary and Program Officer (Aaron Krochmal and Liz Dahlhoff, respectively). Indeed, the three of us have already worked with the former Chair (Art Woods) to help reinvigorate the division. I will not bore you with how many spectacular talks we had during the meeting in San Francisco, how awesome the food was in China town (best food ever for a SICB meeting, in my opinion), or even how cool it was to wander through the cellblocks of Alcatraz. Instead, let me briefly touch on the success of our new divisional award that launched in San Francisco and describe a cool event being planned for the meeting in Austin.

The Huey Award session was legend...(wait for it)...dary!

As you know, last year we revised the procedures for our competitions for Best Student Presentations. The outcome was a pair of special sessions (oral and poster) that occurred in San Francisco. Frankly, I was stunned at the quality of the presentations. The sessions stood out among the others, as being consistently filled with research of the highest quality communicated in a clear and engaging style. My thanks to the committee who undertook the difficult task of choosing the finalists (Art Woods, Aaron Krochmal, Liz Dahlhoff, and Abigail Cahill). And of course, join me in congratulating our winners: Jennifer Sunday, who delivered the best oral presentation, and Laura Bagge, who delivered the best poster presentation. These stellar students will join the selection committee for next year's award. So start sucking up to them now, perhaps by sending both winners a sincere note of congratulations.

I must tell you how special the event was for me, because it honored one of my heroes in ecology and evolution, Ray Huey. I remember reading papers by Ray and his collaborators when I was a graduate student and thinking, "This is the kind of science that I want to do!" Ray has been not only a role model for exceptional quality, clarity, and style of presentation, but also a superstar in his field that is down to earth and willing to help students achieve their own success. Since Ray often signs his reviews of manuscripts, I can honestly say that he provides the most constructive comments and criticisms of any reviewer that I have encountered (assuming that he does not choose anonymity for unconstructive reviews!). Even if you have not interacted with Ray directly, you are probably among the countless scientists who benefitted from his encouraging article, "Some Acynical Advice for Graduate Students," which served as a potent antidote to Steve Stearns' sobering message (Stearns & Huey 1987, Bull. Ecol. Soc. Am. 68:145-153).



True to his style, Ray was humbled by the honor and tried (unsuccessfully) to convince us to choose another person instead. After all, he's not even dead yet! Quite humorously, at least one of Ray's friends thought that he might have died after learning that an award had been named in his honor. I am very pleased that we were able to express our appreciation to Ray while he is still alive to enjoy it. And I know that all of the finalists were pleased to have their presentations his name.

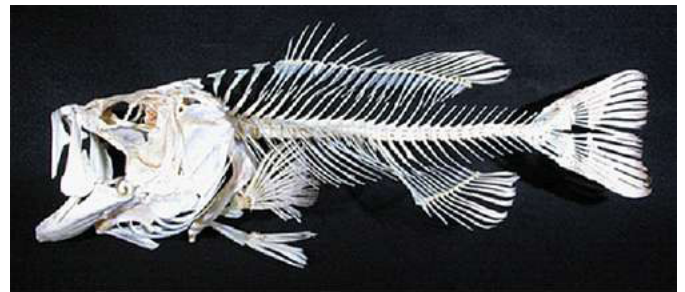
### **Rub shoulders with the rock stars of ecology and evolution**

As someone who has been coming to SICB since graduate school, I know that it's a great place to meet people. Collectively, the divisions cover a diverse range of disciplines and the symposia bring in some of the best scientists in these areas. But for a young student or postdoc, it may be difficult or intimidating to arrange a meeting with someone who is well known in your field. Let's face it; some people are difficult to get one-on-one because they've got plenty of friends and collaborators to see during the meeting. What if there was some way to kidnap these people and bring them to somewhere where they only had one thing on their mind: talk to you about how to succeed in your research and your career. Well, DEE cannot condone students kidnapping famous biologists for any reason, but we can do it for you.

In Austin, DEE will launch a newly sponsored event called Beer and Brains. We will round up a collection of household names in your field, whisk them away to a nearby bar, and ply them with free beer. In return, all we ask them to do is spend the evening with students and post docs of DEE. I will do my best to get a diverse group of heavy hitters in ecology and evolution to commit to this event. But if you are a student and you have someone in mind that you would like to meet in Austin, feel free to send me his or her name. Otherwise, stay tuned for details on how to sign up for this event.

### **Spread the word about DEE and SICB**

Recently, I visited a couple of universities to give seminars. During these visits, I talked to people about the great things that happen at SICB meetings and the level of support that our society provides for students. People are always amazed at how much SICB does to help students minimize the cost of a national meeting while extracting the most benefit from the experience. Many of these people have never been to a SICB Meeting, but it's clear that they would enjoy one. About 5 years ago I convinced an ecologist from Australia to attend a SICB meeting, and his lab has been coming every year since. There are many other ecologists and evolutionary biologists who still don't know what we have to offer. Although SICB will never be a home for all biologists, we can spread the word to those looking for a student-friendly meeting with an exciting multidisciplinary program. Talk up the SICB meeting to your friends and see if you can get one meet us in Austin. Together, we can "keep Austin weird" and enjoy some of the best science and best music all in one place.



Steve Huskey



**Message from the Divisional Program Officer**

Elizabeth Dahlhoff ([DPO.DEE@sicb.org](mailto:DPO.DEE@sicb.org))

I hope you all have recovered from our fantastic meeting (not to mention the wonderful if pricey food and wine) of my hometown, and have been getting down to some good science these past few months. With Austin really just around the corner, its already time for us to start planning the symposia for West Palm Beach 2015. DEE has been key in supporting some of the most interesting, integrative symposia we have seen at SICB in many years, resulting in some truly wonderful papers in the journal, as well as new collaborations! SICB is the central society for exploring all things organismal and are at the nexus of the renaissance to move beyond reductionism and silo building. And as we in DEE think a lot about all the myriad of ways how organisms solve the basic problems of life, we are ideally suited to facilitate new connections with partners into our allied fields- not just thinking about plants and bacteria, but also interfacing with scientists, engineers and physicists-tear down those walls!

I encourage you to submit proposals by the end of June, so that we can easily meet the August 30, 2013 Society deadline. Please be sure to contact me ahead of time ([dpo.dee@sicb.org](mailto:dpo.dee@sicb.org)) if you are planning to submit a symposium proposal- successful proposals are ones that get feedback from your trusty Program Officers. As always, the division is especially interested in submissions from junior members, and in ways that increases the diversity in our membership.

And don't forget that our next meeting is in beautiful Austin, Texas. Enjoy your science, and see y'all there!



**Message from the Secretary**

Aaron Krochmal ([Secretary.DEE@sicb.org](mailto:Secretary.DEE@sicb.org))

About a year ago, the DEE began its new, quarterly email updates, our newest way of delivering the most current, relevant DEE news to our members in a quick, easy-to-read format. These email news blasts have been overwhelmingly successful, and have helped the DEE grow and expand during the past year. On account of their success, and to keep the clutter in your inbox down, we will be combining our email news blasts with the monthly member updates circulated by SICB. Keep your eyes peeled for important updates from the DEE in these society-wide monthly email updates.

Got something to share with DEE members? Email it to [secretary.dee@sicb.org](mailto:secretary.dee@sicb.org) to include it in a forthcoming email update.

The DEE officers have been busy updating and managing the DEE Researcher Database which we maintain to promote our division and the work of our members. If you've not checked out the database, go here to get a feel for the strength and breadth of our members and their work. To add your research profile to the DEE page, or to update an existing file, send text files (.doc, .docx or .txt), images (.tif, .jpg, .png, or .gif), or movies (.avi or .mpeg) to [secretary.dee@sicb.org](mailto:secretary.dee@sicb.org).

**Raymond B. Huey Best Student Presentation Awards**

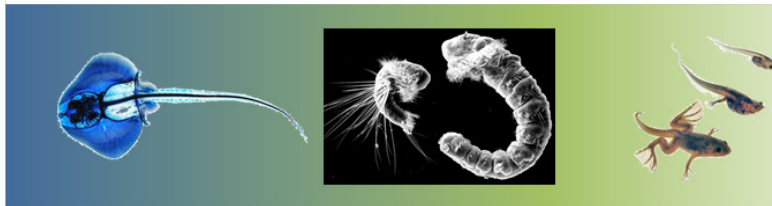
It's our pleasure to announce the winners of the inaugural Raymond B. Huey Best Student Presentation Award –

**BEST ORAL PRESENTATION:** Jennifer Sunday, Simon Fraser University. Global patterns of thermal tolerance and range limits predict climate change responses in ectotherms. Click [here](#) for the full abstract of Jennifer's presentation.

**BEST POSTER PRESENTATION:** Laura Bagge, Duke University. Looking at invisibility: anti-reflective structures and strategies in hyperiid amphipods. Click [here](#) for the full abstract of Laura's presentation.

Jennifer and Laura and were the top presenters from out of a highly competitive pool of excellent competitors. Congratulations to them both!





**Minutes from the Division of Ecology and Evolution Business Meeting, 4 January 2013**

Click [here](#).

**Candidates for Elections**

**It's election time!**

The DEE is currently holding elections for Chair-Elect and Secretary-Elect.

**Candidates for Chair-Elect**

**Robert M. Cox**

Current Position: Assistant Professor, Department of Biology, University of Virginia.

Educational Background: B.A., Biology, College of the Holy Cross, 1999; Ph.D., Ecology and Evolution, Rutgers University, 2005.

Professional Experience: Postdoctoral Research Associate, Ohio State University, 2005-2006; Lecturer in Evolutionary Biology, The Ohio State University, 2006; Postdoctoral Research Associate, Dartmouth College, 2007-2011.

SICB Activities: SICB member and conference attendee continuously since 2002; Bartholomew Award Recipient (2011); Judge for Best Student Presentation/Poster Competitions (2006-2012) for DEE, DCPB, and DCE; Session Chair for DEE and DCPB sessions.

Other Memberships: American Society of Naturalists; Society for the Study of Evolution

Research Interests: Our lab studies the evolution of sex differences and reproductive tradeoffs from a perspective that blends comparative, descriptive, and experimental approaches. Our research focuses on reptiles and takes place in habitats ranging from the pinelands of New Jersey to the mountains of Arizona and Virginia, and the islands of the Bahamas. We use mechanistic studies of behavior, physiology, endocrinology, and genetics to answer questions at the interface of ecology and evolution. Our current research focuses on the evolution and development of sexual dimorphism, the evolutionary dynamics of sexual conflict, the interplay between natural and sexual selection in wild populations, and the physiological and ecological basis of life-history tradeoffs. Statement of Goals: SICB has long been recognized



Robert M. Cox

as a leading international society for comparative endocrinology, physiology, biochemistry, biomechanics, and other mechanistic subfields of organismal biology. However, what truly makes our society unique and exciting is the integration of these fields within the framework of ecology and evolution. In my experience, this is what the Division of Ecology and Evolution can offer that simply cannot be matched, even by the leading ecological and evolutionary societies. I propose that the best way to raise the profile of DEE is to capitalize on our unique position to become the leading organization for addressing ecological and evolutionary questions with the mechanistic perspectives represented by other SICB divisions. Within the society, we should continue to actively co-sponsor symposia with other divisions, while explicitly challenging participants to integrate their fields with emerging perspectives in ecology and evolution. DEE is perhaps the only division of SICB that truly subsumes all others within its scope, and we should actively promote and develop our division as such an integrative network. Outside of SICB, we should identify key questions driving current research in ecological and evolutionary societies, then ask how these questions could be extended in novel directions by incorporating mechanistic perspectives from various SICB divisions, thus building on the strengths of our society.

**Michael W. Sears**



Michael W. Sears

Current Position: Assistant Professor, Department of Biological Sciences, Clemson University. Educational Background: B.A., Biology, Rhodes College, 1993; Ph.D., Biology, University of Pennsylvania, 2001.

Professional Experience: NSF Postdoctoral Fellow in Biological Informatics, Indiana State University, 2002-2004; Postdoctoral fellow, University of Nevada, Reno, 2004-2005, Assistant Professor, Southern Illinois University, Carbondale, 2005-2009; Assistant Professor, Bryn Mawr College, 2009-2012; Assistant Professor, Clemson University, 2012-present.



**SICB Activities:** Member since 1998 (DEE, DCPB, DAB); Program Officer for the Division of Ecology and Evolution, 2009-2012; Editorial Board for Integrative and Comparative Biology, 2012-2017; Symposium Organizer, 2004, 2011.

**Other Memberships:** Ecological Society of America; American Society of Naturalists

**Research Interests:** My lab works at the interface of theory and empiricism to solve problems in ecology and evolution, particularly with regard to thermal biology and climate change. Specifically, we seek to explain landscape-level patterns of the abundances and distributions of animals by understanding the basic physiologies and behaviors of individuals within a spatial context.

**Statement of Goals:** Over the past 5 years, DEE has revitalized itself as not simply a checked box on the SICB renewal form, but as an active division within the society. This activity can be seen not only with the increased participation at societal functions at our annual meeting, but also with an increased presence of sponsored symposia and innovative re-imagining of our best student paper competition. During these years, I have been a part of many of the discussions and planning that have helped to re-establish DEE as one of the prominent divisions within the society. As such, I am very excited at the opportunity to potentially take a more active role as DEE continues to grow.

As DEE Chair, I would continue efforts to broaden participation by students, postdocs, and under-represented groups, as well as create new opportunities for our established membership. Like many of us, my professional career has been rooted in this society since my early graduate education. In fact, I met my graduate advisor at this meeting. As such, I will continue to build upon, and pursue, new initiatives (like Beers and Brains or meet-the-professor luncheons) that connect students to established scientists as future mentors. Further, I will create opportunities for all of our membership, such as seeking out and encouraging invited submissions to ICB under the journal's new submission initiatives. Finally, I would continue to foster innovative symposia, not only with DEE, but also jointly with other divisions.

### Candidates for Secretary-Elect

#### **Justin G. Boyles**

**Current Position:** Assistant Professor, Department of Zoology, Southern Illinois University, Carbondale, IL.

**Education:** B.S. and M.S. Missouri State University; Ph.D., Indiana State University 2009.

**Professional Experience:** Postdoctoral Research Fellow, University of Tennessee Knoxville, 2011-2012; Postdoctoral Research Fellow, University of Pretoria, South Africa, 2009-2011.

**SICB Activities:** Member since 2009 (DEE).

**Other Memberships:** American Society of Mammalogists; North American Symposium for Bat Research. Research Interests: Thermoregulation and energetics of endotherms; disease ecology.

**Statement of Goals:** In the last several years, SICB has become my "go to" meeting and participation in DEE sponsored events has been integral to my experience with society. If elected Secretary of DEE, I will actively engage in the promotion of the division both within the society and among the broader community of ecologists and evolutionary biologists. I will work to achieve both societal and divisional goals in any way I can.

Current Secretary Krochmal has done a wonderful job of increasing the visibility of the division, and I will continue and expand those efforts. Specifically, I believe student recruitment is vital to maintaining a strong divisional presence into the future. To that end, I will strive to increase student participation through an increased internet presence and the promotion of word-of-mouth advertising among students (which is how I was originally attracted to DEE).

In summary, I would be honored to serve as the Secretary of DEE as we work to strengthen and grow the division and the society.



Justin G. Boyles





**Michael E. Dillon**



Michael E. Dillon

Current Position: Assistant Professor, Department of Zoology and Physiology and Program in Ecology, University of Wyoming.

Educational Background: B.S. in Zoology, The University of Texas, Austin, 1998; Ph.D. in Biology, University of Washington, Seattle, 2005.

Professional Experience: Postdoctoral fellow, University of Washington, 2005-2007; Postdoctoral scholar,

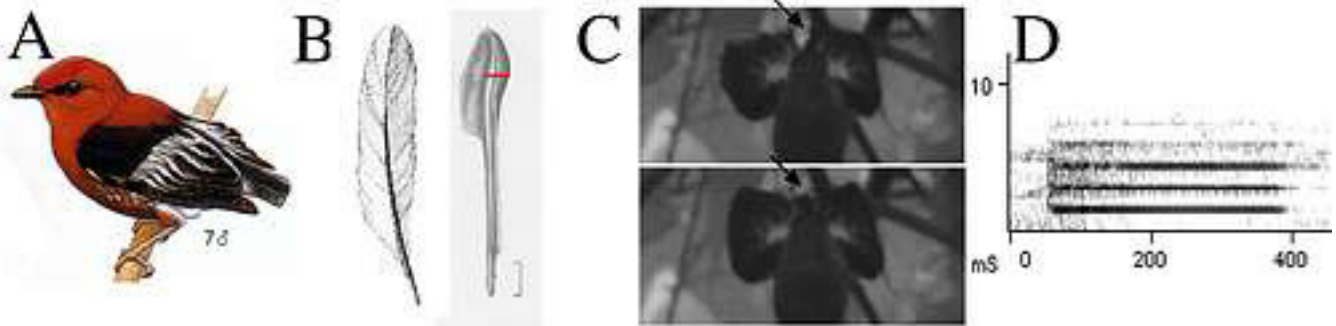
University of California, Berkeley, 2007-2009; 2009—present, Assistant Professor, Department of Zoology and Physiology and Program in Ecology, University of Wyoming.

SICB Activities: Member since 2001 (DEE, DCB, DCPB); FGST recipient, 2003.

Other Memberships: The American Society of Naturalists; The Society for Experimental Biology; The American Physiological Society.

Research Interests: My lab combines field and laboratory experiments with theory and meta-analyses to address diverse questions at the interface of ecology, physiology, and evolution. Currently, major research directions include: thermoregulation and flight at high altitude; metabolic impacts of climate warming; physiological explanations for body size clines, and the role of changing climate in driving phenological mismatch between native bees and plants.

Statement of Goals: I've enjoyed the benefits of SICB membership since my first annual meeting as a graduate student over 10 years ago. More recently, seeing my own students thrive at the annual meeting has cemented my desire to give back to a society and division that has been so critical for my professional development. I believe that DEE is uniquely positioned to further the broader goals of the society while also strengthening division membership and society presence. Ecology and evolution are the disciplines that truly integrate the diverse scientific interests of SICB members and DEE can embrace that natural role through broader participation in cross-cutting initiatives (e.g. "Grand Challenges"), additional co-sponsoring of society-wide symposia, and enhanced visibility on the SICB website. Augmenting the existing student presentation awards with a prestigious annual research award would both further the development of DEE students and elevate society-wide visibility of DEE. Finally, I'd like to work on making DEE socials "the place to be," because so many ideas and collaborations develop in these informal settings. My affiliations with other divisions are a reflection of my diverse interests and will be a strong asset in accomplishing my goals as DEE secretary—I am excited to reach out to colleagues across SICB in my efforts to continue the excellent work of our current officers.



Kimberly Bostwick