

# NEWSLETTER

## Animal Behavior Society

A quarterly publication

Sue Bertram, Editor

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## Announcing the Newly Elected Fellows

2016

### CONGRATULATIONS TO NEWLY ELECTED ABS FELLOWS

The Animal Behavior Society is pleased to announce the election of six new Fellows of the Society. The awards will be presented at the 2016 annual meeting in Missouri. The newly-elected ABS Fellows are, in alphabetical order:



**Maydianne Andrade**



**Alexandra Basolo**



**Douglas Chivers**



**Deborah Gordon**



**Molly Morris**



**Philip Stoddard**

## ABS Annual Meeting



The 53rd Annual Conference of ABS will be held in Columbia, Missouri from Saturday, July 30 through Wednesday, August 3, 2016.

<http://www.animalbehaviorsociety.org/2016/>

*A message from 2016 meeting hosts*

*Johannes Schul, University of Missouri-Columbia*

*and Zuleyma Tang-Martinez, University of Missouri-St. Louis*

### Late Registration Fees<sup>1</sup>

ABS Members	\$400
ABS Student members	\$175
ABS Emeritus members <sup>2</sup>	\$250
ABS Developing nation member <sup>3</sup>	\$150
ABS Developing nation student <sup>3</sup>	\$100
Non-members	\$600

### <sup>1</sup>Additional Events



### ABS 2016 Plenary Sessions and Symposia

We are pleased to announce the ABS 2015 Plenary Sessions and Symposia.

[Read more »](#)



### ABS 2016 Highlights & Events

View a listing of ABS 2016 highlights, meetings and events. Looking forward to seeing you all in Anchorage!

[Read more »](#)



### 2016 Grant Awardees

We are pleased to announce the recipients of the 2015 Student Research Grants and the Developing Nations Research Awards. We received many high-quality proposals, but as in previous years, the number of applications exceeded the number we could fund. Of the 135 applications submitted, 46 were awarded

### 2015-2016 ABS OFFICERS

**President: Emilia P. Martins**, Indiana University- Bloomington, E-mail: [president@animalbehaviorsociety.org](mailto:president@animalbehaviorsociety.org)

**First President-Elect: William A. Searcy**, University of Miami, E-mail: [preselect1@animalbehaviorsociety.org](mailto:preselect1@animalbehaviorsociety.org)

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**Executive Editor: Susan A. Foster**, Clark University, E-mail: [execeditor@animalbehaviorsociety.org](mailto:execeditor@animalbehaviorsociety.org)

**Historian: Zuleyma Tang-Martinez**, University of Missouri- St. Louis, E-mail: [historian@animalbehaviorsociety.org](mailto:historian@animalbehaviorsociety.org)

- The Closing Banquet will be held Wednesday, August 3, 2016 | 7:00 pm - 10:00 pm | - \$30 for students and \$50 for non-students.
- ABS 2016 Conference T-shirt - \$15 (pre-order) \$25 (onsite)
- ABS Film Festival, Saturday, July 30, 2016 | 7:00 pm - 10:00 pm | no charge, but please RSVP.
- The conference meal plan can be added to registration for \$65

<sup>2</sup>ABS Emeritus members who can afford to pay full fees are kindly asked to pay the ABS Members fee. This category should be reserved for only those Emeritus members who would be otherwise unable to join us at the meeting.

<sup>3</sup>Developing country attendees are those **currently** enrolled or working at an institution in the developing world. This does NOT include persons currently working or enrolled in institutions in the USA, Canada or other developed countries, regardless of country of origin.

### **Airports**

The Columbia Regional Airport is a short 15-minute drive north to the MU campus. A taxi from the Columbia Regional Airport to the MU campus is approximately \$36.

### **Columbia Regional Airport (COU)**

11300 South Airport Drive  
Columbia, MO 65201, USA

For those who'd rather fly into a larger airport, Columbia is located midway between airports in St. Louis International (STL) and Kansas City International (MCI). Columbia is about a 2-hour drive from the St. Louis airport (STL) and a 2.5-hour drive from the Kansas City Airport (MCI).

### **Kansas City International**

601 Brasilia Avenue  
Kansas City, MO 64153

### **St. Louis International**

10701 Lambert International Blvd.  
St. Louis, MO 63145

### **Ground Transportation**

#### **From Columbia Regional Airport (COU):**

- Shuttles/Taxis (Columbia rates vary from \$18-\$25). You can usually catch a taxi service right in front of the main terminal.
- Rental car services are available in the main lobby.

#### **From Saint Louis Airport (STL) or Kansas City Airport (MCI):**

- The MO-X shuttle has several regularly scheduled trips from both airports to any location in Columbia. Schedule and rate information for MO-X can be found on their [website](#) or by calling toll free (877) 669-4826.
- Rental cars are available at both the Saint Louis Airport (STL) and the Kansas City Airport (MCI).

### **Accommodations**

#### **On Campus Accommodations**

Suite Style Campus housing will be available during the ABS 2016 meeting in Respect/Responsibility/Discovery/Excellence Residence Hall complex. These are suite-style rooms located near the southeast side of campus, close to meeting locations and campus dining. Breakfast is included with each night's stay in the residence hall.

**Single occupancy - \$62 per person, per night**

**Double occupancy - \$38 per person, per night**

**(roommate information is due at the time of reservation)**

#### **Hotel Accommodations**

Meeting attendees who wish to stay in a hotel are responsible for making their own lodging reservations directly with the hotels. A block of rooms has been reserved at the designated hotels listed below. Please note that the room rates do not include tax and hotel fees. Attendees should identify themselves as with **Animal Behavior Society** when making reservations. Please book by July 4, 2016 to receive special rate.

The Broadway, DoubleTree by Hilton  
1111 East Broadway, Columbia, Missouri 65201  
Rate: \$134.00 per room/per night (single/double)  
Reservations: 573-875-7000

funding.

[Read more »](#)



### **Announcements**

View the current ABS announcements.

[Read more »](#)

[animalbehaviorsociety.org](http://animalbehaviorsociety.org)

### **Members-at-Large:**

Alison Bell, University of Illinois at Urbana- Champaign, E-mail: [mematlarge1@animalbehaviorsociety.org](mailto:mematlarge1@animalbehaviorsociety.org)

Beth Jakob, University of Massachusetts- Amherst, E-mail: [mematlarge2@animalbehaviorsociety.org](mailto:mematlarge2@animalbehaviorsociety.org)

Emily DuVal, Florida State University, E-mail: [mematlarge3@animalbehaviorsociety.org](mailto:mematlarge3@animalbehaviorsociety.org)

Stoney Creek Hotel & Conference Center  
2601 S. Providence Road, Columbia, Missouri 65203  
Rate: \$99.00 per room/per night also single/double?  
Reservations: 800-659-2220

Hampton Inn & Suites  
1225 Fellows Place, Columbia, Missouri 65201  
Rate: \$114.00 per room/per night (single/double.)  
Reservations: 573-214-2222/ 800-HILTONS

Further details will be posted on the ABS 2016 Meeting website as they become available:  
<https://www.animalbehaviorsociety.org/2016/>

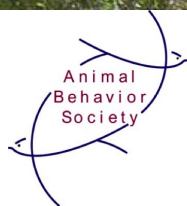
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## Animal Behaviour

**Animal Behaviour, manuscripts and editorial matters:** Authors should submit manuscripts online to Elsevier's Editorial System (<http://ees.elsevier.com/anbeh/>). For enquiries relating to submissions prior to acceptance, contact the Journal Manager ([yanbe@elsevier.com](mailto:yanbe@elsevier.com)). For enquiries relating to submissions after acceptance, visit Elsevier at <http://www.elsevier.com/journals>. For other general correspondence, contact Kris Bruner, Managing Editor, Animal Behaviour, Indiana University, 407 N. Park Ave., Bloomington, IN 47408, USA. E-mail: [krbruner@indiana.edu](mailto:krbruner@indiana.edu). Phone: 812-935-7188.

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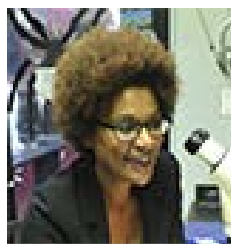
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## 2016 ABS NEWLY ELECTED FELLOWS

### CONGRATULATIONS TO NEWLY ELECTED ABS FELLOWS

#### Maydianne Andrade



**Maydianne Andrade** is a Full Professor and Canada Research Chair (Tier II) Integrative Behavioural Ecology in the Department of Biological Sciences, University of Toronto at Scarborough, Canada.

Below is a short selection of excerpts received by the ABS Executive Council about Dr. Andrade:

“Maydianne is best known for her novel and exciting work on sexual cannibalism in widow spiders. Maydianne initially grabbed our attention by carefully quantifying, describing, and analyzing the ecological costs that lead male redback spiders to

sacrifice themselves for a mating opportunity. The work was field-based, rigorous, and tremendously creative, providing the first solid evidence that severe ecological constraints could be as important as paternity confidence or parental care in limiting male reproduction. Maydianne masterfully used this fascinating example of extreme behavior to address a fundamental question in behavioral ecology, turning it into an instant textbook classic and winning the ABS Young Investigator award. She then shifted her focus to females, where despite the uniqueness of her study system, Maydianne uncovered the elegantly simple and likely widespread result that instead of choosing males that are larger or more ornamented, females choose mates based on courtship duration. The finding was brilliantly novel, particularly in the context of the vast literature on the evolution of male sexual signals. It inspired several of us to move beyond the structure of male signals alone, and to explore more deeply the use of those signals in longer courtship interactions.”

“Maydianne has an impressive publication record, has received numerous grants and awards, and has provided excellent training to postdocs, doctoral, MS & undergraduate scientists. Her level of engagement with the general public is phenomenal, and her work has been covered by every major scientific news outlet including the NY Times, BBC & CBC, NOVA, the Discovery Channel, National Geographic, Scientific American, Science and Nature News. Maydianne has done much more than most of us in terms of explaining behavioral research to the public.”

“Maydianne has been a generous member of our community. She served as ABS Program Officer from 2009-2013, and continues her service as a member of the ABS Diversity committee. She also served as a member of the Executive Committee for the International Society for Behavioral Ecology (ISBE) from 2008-2012.”

“Maydianne’s scientific contributions to the field of animal behavior are outstanding. Her research is thematically focused upon sexual selection, and her studies explore the evolutionary ecology of spider mating behavior in different ecological and social contexts, to understand the development of phenotypic traits. Maydianne’s stellar contributions are evident not only in her research specialty, but also in teaching and advising at the undergraduate and graduate levels, as well as in service to the field of animal behavior.”

#### Alexandra Basolo

**Alexandra Basolo** is a Full Professor  
School of Biological Sciences, University of Nebraska Lincoln, USA.

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**Beth Jakob**, University of Massachusetts-Amherst, E-mail: [mematlarge2@animalbehaviorsociety.org](mailto:mematlarge2@animalbehaviorsociety.org)



Below is a short selection of excerpts received by the ABS Executive Council about Dr. Basolo:

“Alex received her PhD from the University of Texas and was immediately awarded postdoctoral fellowships from both of the major funding agencies in the USA for her postdoctoral research. After arriving at the University of Nebraska-Lincoln, she achieved an early promotion to both Associate Professor (1999) and Full Professor (2004). She

was awarded a Fulbright to study in Italy; she received a NSF OPUS grant (Opportunity to Promote Understanding through Synthesis;); and she received a full NSF IOS grant in a highly competitive funding climate.”

“Alex’s research in the 1990’s on swordtails and receiver biases had a profound impact. Alex [is] a role model – a leading female scientist doing cutting edge research and pushing our understanding of sexual selection in novel directions – opening up entirely new fields of study. She is a deep, critical, and creative thinker. [Her] research has resulted in what are now considered to be classic studies, and more recent studies that are likely to become classics. The quality and impact of her research is evidenced by the number of times it is highlighted in text books and synthetic reviews. Even 25+ years later, her research findings continue to influence the field.”

“In addition to scientific accolades, Alex has contributed considerable service to the Animal Behavior Society: Chair – Developing Nations Research Grants; Chair – Latin Student Travel Grants; Student Research Award Committee Member; Chair – Student Research Award Committee. Her service within the School of Biological Sciences and across the University of Nebraska-Lincoln are equally outstanding (see her current CV). I would like to highlight an additional service that I see as quite unique to Alex – her contribution to women in science. If I were asked to name the single individual that I have met throughout my entire career that is the most dedicated to advancing women in science, I would have no hesitation in naming Dr. Basolo. I could write an entire nomination letter on her contributions as a role model and an advocate for women in science alone (and I have), but I will simply note that her incredible contributions in this area were recognized and honored in 2011 when she was awarded the UNL Chancellor’s Outstanding Contribution to Improving the Status of Women award.”

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## Douglas Chivers

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**Douglas Chivers** is a Full Professor and the Rawson Professor of Biology Department of Biology, University of Saskatchewan, Canada.

Below is a short selection of excerpts received by the ABS Executive Council about Dr. Chivers:

“A defining characteristic of Doug’s work is taking an idea and exploring it from many perspectives. For instance, he recently realized that non-predator recognition is one of the most underappreciated aspects of anti-predator decision-making. This has led to a number of studies—in the lab and field as well as models to study the relative

importance of predator vs. non-predator recognition in decision-making. And, he’s shown that learning may be much earlier than most of us might have expected, in the embryo.”

“I find Doug’s work on antipredator behavior and cognition some of the most interesting work being conducted today. His early work on minnows and damselflies identified how prey animals could be conditioned to recognize predators with chemical alarm cues released from injured conspecifics and has become a powerful assay that Doug and others have used to study antipredator behavior. His work on generalization of predator recognition was pioneering in that it convincingly demonstrated that prey could use information about known predators to make ‘educated guesses’ about the predatory nature of other unknown animals. He showed that background level of risk influenced how prey categorize predators and non-predators and has applied this to understanding the potential impacts of invasive hybrid predators.”

“Over the years much of Doug’s work focused on the evolution of chemical alarm cues used by prey animals to mediate their risk of predation. His *Ecoscience* review became required reading the day it was published. Understanding the evolution of specialized alarm cells located in the skin of fishes has intrigued evolutionary ecologists because the release of the alarm chemicals is not voluntary but rather requires the sender to be killed. With little evidence of kin associations in the fish that he studies, he looked for other functional explanations, including that the chemicals evolved to attract secondary predators that disrupt the predation sequence allowing the prey to escape.”

“Recently he challenged the dogma that these cells evolved in a predation context in the first place. He showed that the cells were part of the immune system and that the cells have secondarily acquired an ecological role as alarm cues because selection favors receivers to detect and respond adaptively to public information about predation.”

[animalbehaviorsociety.org](http://animalbehaviorsociety.org)

[Emily DuVal](mailto:mematlarge3@animalbehaviorsociety.org), Florida State University, E-mail:  
[mematlarge3@animalbehaviorsociety.org](mailto:mematlarge3@animalbehaviorsociety.org)

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## Deborah Gordon

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**Deborah Gordon** is a Full Professor  
Department of Biology at Stanford University, USA.

Below is a short selection of excerpts received by the ABS Executive Council about Dr. Gordon:

"Deborah is an outstanding and influential scientist and a superb ambassador of the field of animal behavior to both the larger scientific community, and the public at large. She is best known for her elegant and meticulous analyses of ant societies. She has devoted her career to addressing what E.O Wilson called one of the central problems in

sociobiology, how the activities of individual society members contribute to a smoothly functioning colony. The depth of this problem lies in the fact that individual members do not have global knowledge of the needs of the whole colony, and they have no leader to tell them what those needs are. Deborah has used many different kinds of methods, both empirical and theoretical, to analyze the question of how worker ants know what to do to keep their colony going."

"Deborah has a superb record of scientific accomplishment. She has published 150 papers, mostly in the top disciplinary journals of the field, including numerous papers in *Animal Behavior*. She also has eight publications in *Nature*, and has written two very well-received books. Deborah has received a prestigious Guggenheim Fellowship and has won many awards on the Stanford campus."

"Deborah also has been very successful in training the next generations of animal behavior specialists. She has supervised 15 doctoral students and 10 postdoctoral associates, and many of them have gone on to careers in science at various institutions around the world. She also has been active in the Animal Behavior Society, serving with distinction in a variety of capacities. Deborah has given many high-profile plenary lectures around the world, as well as a widely viewed TED talk and a World Economic Forum talk at Davos. She clearly has one of the highest public profiles of any animal behaviorist in the world."

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## Molly Morris

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**Molly Morris** is a Full Professor  
Department of Biological Sciences at Ohio University, USA.

Below is a short selection of excerpts received by the ABS Executive Council about Dr. Morris:

"Molly's contributions encompass important, ground-breaking empirical studies such as showing behavioral ecologists that females exhibit adaptive variation in their mate preferences. For a long time, it was thought that all females of a species should have similar preferences for some "best" male. Molly was one of the first to demonstrate that

females can have polymorphisms in mate preferences, similar to the polymorphisms in male reproductive behaviors and morphologies. Studies of variation in female mate preference is now a growing field, and this work is leading to a better understanding of how the information about males that females gain by assessing different male traits, actually varies across different environments."

"Molly has also been involved in several extensive interdisciplinary teams that provided novel insights into the evolution of communication during aggressive interactions. For example, Molly worked on game theory models at Indiana University with Dr. Roy Gardner (economist) and at Ohio University where they were the first to consider the possibility that bluffing could be evolutionarily stable. Molly worked with Dr. Winfred Just (mathematician) to explain the empirical result of eventual losers of contests initiating contests. She also worked with Dr. Jason Moretz (biologist) on several empirical studies that involved comparative analyses that demonstrated how the coevolution between signal of aggressive intent and response is likely to be evolutionarily labile given the extent to which this type of communication is cooperative."

"Molly was also one of the first to find empirical support the hypothesis that when a genetically determined polymorphism is selectively maintained in a population, the different morphs should have equal fitness at equilibrium. Molly and colleagues demonstrated that the two swordtail morphs that have very different life history strategies and mating behaviors, have equal fitness. Molly's research in this area has led to a much better understanding of how polymorphisms evolve and are maintained, with her most recent work examining how the evolution of differences

between males using different tactics (tactical dimorphism) can be constrained by intralocus tactical conflict.”

“Molly has also extremely active in the society, serving on numerous review panels at National Science Foundation, and serving as the Secretary and then as President of the Animal Behavior Society. She has also served as an Associate Editor for Behaviour and is currently serving as an Editor for Animal Behaviour.”

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## Philip Stoddard

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**Philip Stoddard** is a Full Professor

Department of Biological Sciences at Florida International University, USA.

Below is a short selection of excerpts received by the ABS Executive Council about Dr. Stoddard:

“Phil has had continuous extramural funding for his work (from NSF and NIH) since 1996. His work is a model of the contemporary integrative approach in animal behavior. His work integrates discoveries on the mechanisms of communication by electrosignals with functional and phylogenetic consideration of their adaptive role in the animal’s

natural world.”

“Phil’s electric fish research has focused on the question “How does a communication system evolve?” He takes an integrative approach, exploring communication at every level, from the ecological forces that drive natural selection, to the proteins that constitute the structures producing communication signals. Electric fish have electric organs that generate low voltage electric field pulses (the Electric Organ Discharge or EOD). Electric fish sense the distortion of their EODs produced by nearby objects. They also vary the EODs to communicate. Because the fish shares its electric signals with the outside world and because it signals all the time to electrolocate, Phil describes them as “the only vertebrate with a public nervous system...the electric fish can reveal to an inquisitive scientist the instantaneous inner workings of its neuroendocrine systems, most components of which are extremely similar to those of all vertebrates including ourselves”. Phil takes advantage of this unique window to explore how a vertebrate translates changes in the social environment into changes in the brain and body. Not surprisingly, the nature of the social environment makes a big difference. One of the most interesting findings of Phil’s group is the discovery that electric fish have borrowed components of the neuroendocrine stress axis to regulate their EOD waveforms. When the animal encounters a stressful situation, the EOD is enhanced, raising energetic costs and making the animal more conspicuous. If the stress is a social encounter, enhancing the signal can benefit the signaler, but if the stress is caused by a predator, enhancing the signal is precisely the worse thing to do.”

“Not only is Phil one of the most outstanding researchers in integrative animal behavior, and performed major service for ABS, he has taken outreach to a whole new level. Phil served two stints on the Animal Behavior Society Executive Committee - he was Program Officer and then Treasurer. He was also a member of the Investments committee after his time as Treasurer. Since 2010, Phil has also had a parallel career as the Mayor of South Miami. Not only has he been re-elected once, but he has gained national attention as an advocate for dealing with climate change.”

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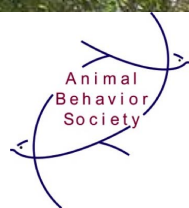
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### ABS Meeting Plenary Sessions and Symposia



#### Frans de Waal (Emory University)

##### *Are We Smart Enough to Know How Smart Animals are?*

Frans de Waal is an eminent primatologist and ethologist who is best known for his work on social behavior in chimpanzees and bonobos. de Waal's early research concerned competition, conflict resolution, and deception, inspiring advances in the field of primate cognition and laying the groundwork for studies of cooperation and fairness. His more recent work has focused on the evolution of empathy and morality, designating bonobos as 'the make love – not war' primate. He has also applied his research on primate morality to human societies with an exploration of the role of religion in shaping human interactions. de Waal has authored or edited 14 books, including Chimpanzee Politics, The Age of Empathy, and

The Bonobo and the Atheist. His latest book (*Are We Smart Enough to Know How Smart Animals Are?*) will be published by W.W. Norton in April, 2016. He is a member of the National Academy of Sciences and is the C.H. Candler Professor of Primate Behavior at Emory University.



#### Vanessa Ezenwa (University of Georgia)

##### *Parasites and Behavior: Old Ideas and New Insights*

Parasites can have profound effects on animal behavior. For example, parasites are considered to be a major cost of group-living that imposes constraints on social group size. Larger group sizes favor the transmission of parasites for a variety of reasons, and associations between group size and more intense parasite infections have been documented in many species. However, recent insights from eco-immunology, microbial ecology, and physiological ecology suggest interesting ways in which the parasite-related costs of group-living might be offset under certain circumstances. In this talk, I describe two mechanisms that potentially

counterbalance the parasite costs of group-living, and consider the implications for our understanding of the connections between social behavior and parasitism.



#### Lauren O'Connell (Harvard University)

##### *Parenthood on the Brain: Neural Mechanisms of Piggyback Rides and Nursing Behavior in Poison Frogs*

Specialized parental care strategies have evolved independently many times in response to different selective pressures and ecological constraints, but the mechanistic basis of these behavioral phenotypes remains unclear, especially in males. Moreover, separating the mechanisms of pair bonding from those underlying preparations for the onset of parental behavior is difficult, given that pair bonding is coupled with paternal care in most animals. The best strategy for identifying

mechanisms governing parental care is to perform a comparative analysis across closely related species that vary in

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**Beth Jakob**, University of Massachusetts-Amherst, E-mail: [mematlarge2@animalbehaviorsociety.org](mailto:mematlarge2@animalbehaviorsociety.org)

parental care strategies in a manner that is independent of pair-bonding. Poison frogs are the best model clade for this research, as they show diverse parental care strategies amongst closely related species. Using the latest tools in genomics and neuroscience within a comparative context, we have identified core neural mechanisms that promote parental care and sheds light on how behavioral and neural plasticity influence the evolution of diverse reproductive strategies.



### **Juan Carlos Reboreda (University of Buenos Aires)**

#### ***Adaptations to Brood Parasitism in Host Generalist and Host Specialist Cowbirds***

Obligate avian brood parasites, like cuckoos and cowbirds lay their eggs in the nests of other species (hosts), which provide all parental care to the parasitic offspring. The exploitation of parental care by brood parasites typically entails fitness costs to host parents and these interactions may result in a coevolutionary arms race in which hosts evolve defenses against parasitism that, in turn, select for counterdefenses in parasite populations. In this talk I will describe some adaptations to brood parasitism in the Shiny Cowbird (*Molothrus bonariensis*), an extreme host generalist that uses more than 250 species, and the Screaming Cowbird

(*M. rufoaxillaris*), a host specialist that parasitizes almost exclusively one species. I will analyze the prospecting of host nests by female Shiny Cowbirds and discuss their memory abilities for remembering the precise location and nesting stage of multiple host nests within the home range. I will also describe behavioral flexibility of egg pecking behavior by Shiny Cowbird females and begging behavior by Shiny Cowbird chicks depending on brood conditions. Finally, I will show evidence of visual and vocal mimicry between the fledglings of Screaming Cowbirds and those of its primary host.

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#### **ABS 2016: SYMPOSIA**

##### ***Comparative Canine Behavior***

Organizers: Robin Foster and Camille Ward

##### ***New Frontiers in Animal Communication: In Honor of H. Carl Gerhardt***

Organizers: Margaret Ptacek and Felix Breden

##### ***Using Tinbergen's Four Questions to Understand Emerging Conservation Concerns in Behavioral Toxicology***

Organizers: Elizabeth Peterson and John Swaddle

##### ***Behavioral Genomics in Non-Model Systems***

Organizers: David Schulz, Johannes Schul and Zuleyma Tang-Martinez

##### ***Presidential Symposium***

Organizer: Regina Macedo

##### ***Allee Symposium for Best Student Poster Paper***

Organizer: Jeff Podos

For more information, please visit the ABS conference website:

<http://www.animalbehaviorsociety.org/2016/program-symposia.php>

[animalbehaviorsociety.org](http://animalbehaviorsociety.org)

[Emily DuVal](mailto:Emily_DuVal@FSU.edu), Florida State University, E-mail:

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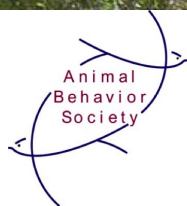
### **Animal Behaviour**

**Animal Behaviour, manuscripts and editorial matters:** Authors should submit manuscripts online to Elsevier's Editorial System (<http://ees.elsevier.com/anbeh/>). For enquiries relating to submissions prior to acceptance, contact the Journal Manager ([yanbe@elsevier.com](mailto:yanbe@elsevier.com)). For enquiries relating to submissions after acceptance, visit Elsevier at <http://www.elsevier.com/journals>. For other general correspondence, contact Kris Bruner, Managing Editor, Animal Behaviour, Indiana University, 407 N. Park Ave., Bloomington, IN 47408, USA. E-mail: [krbruner@indiana.edu](mailto:krbruner@indiana.edu). Phone:

812-935-7188.

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# NEWSLETTER

## Animal Behavior Society

A quarterly publication

Sue Bertram, Editor

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## ABS Meeting Highlights & Events

### ABS 2016 Preliminary Program

The ABS 2016 Preliminary program is now available! Click the link below for details on Symposia and Plenary talks as well as poster sessions and special events.

<http://www.animalbehaviorsociety.org/2016/program-preview.php>

Please contact Mark E. Hauber ([programofficer@animalbehaviorsociety.org](mailto:programofficer@animalbehaviorsociety.org)) for any requests/inaccuracies.

### Opening Reception

*Saturday, July 30th*

Greet old friends, meet new ones, and enjoy some great food and drink.

*This event is included at no additional cost with your registration.*

### ABS Annual General Meeting & Raffle

*Monday, August 1*

What is your society doing with your money? How much is spent on graduate student research awards? What advice does the editor of Animal Behavior have about publishing your papers? Hear brief overviews of ABS business, committee accomplishments and budget of the last year, have your say on policy, and enter a raffle to win a cash prize that will cover your registration costs, or a mystery prize (you can only win if you are there!).

### ABS Award Ceremony

*Wednesday, August 3*

Immediately following the last talks of the meeting, join us for a brief ceremony to fête winners of career awards, and applaud this year's recipients of the Genesis, Founder and Allee awards.

### ABS Closing Banquet

*Wednesday, August 3*

*This is a ticketed event that carries an additional fee.*

The conference banquet will be held in the Memorial Union on Wednesday evening. Food will consist of traditional Missouri BBQ with standard fixings, catered by a local BBQ restaurant.

Live music will be provided by Ironweed, a local band that offers both bluegrass and Cajun dance tunes. The band has been a crowd pleaser at festivals throughout the region since 1994.

### 33rd Annual ABS Film Festival

**Organizer: Barbara Clucas**

*Saturday, July 30th*

Now in its 33rd year, the ABS Film Festival features outstanding films that portray important concepts in animal behavior research and education. Categories include both amateur (non-commercial) and professional (commercial) films produced in the preceding five years. In addition, ABS members are encouraged to bring short video clips of their own to share in an informal film event (<http://animalbehaviorsociety.org/absfilm>).

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## ABS Outreach Fair: ADVENTURES IN ANIMAL BEHAVIOR - Free

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*Saturday, July 30*

*Time: TBD*

There is a suite of public events planned for the first day of the ABS 2016 Missouri meeting, which currently include the sixth annual ABS outreach fair, a symposium hosted by the ABS Applied Animal Behavior Committee and Certified Applied Animal Behaviorists, a public talk, and a scavenger hunt of behavior labs.

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## Undergraduate Luncheon & Reception

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*Saturday, July 30*

The reception provides a networking platform for undergraduate students attending ABS, and an opportunity for ABS faculty members to introduce their programs to potential graduate school applicants. The event includes lunch for undergraduate attendees. The ABS Diversity Committee has developed this event as part of an on-going effort to broaden participation of under-represented groups within the field of Animal Behavior, with an emphasis on translating the diverse demographics evident at the undergraduate level to the graduate and professional levels in the field.

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## Student Party

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*Tuesday, August 2*

Undergraduate students, graduate students and post-graduate students welcome to this event happening in town. Exact location TBD.

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## Charles H. Turner Program

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*Saturday, July 30 (by invitation only)*

The Charles H. Turner Undergraduate Program, established in 2002, provides to undergraduate participants support for travel to the annual conference of the Animal Behavior Society. Participation in a pre-meeting Turner Program workshop is by invitation only, selection of participants is competitive, and students are encouraged to present research at the conference. The full-day workshop prepares students for the conference and provides advice on: careers in animal behavior, meeting faculty and graduate students at the conference, presenting posters, and identifying and applying to appropriate graduate programs. Each student is assigned a mentor, based on the student's interests, and the program typically supports from 8-12 students per year, depending upon the meeting location. The goal of the Turner program is to attract and retain in the field of animal behavior highly-qualified graduate and undergraduate students from groups historically under-represented in the STEM fields.

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## NOTICE TO DEVELOPING NATION SCIENTISTS PLANNING TO ATTEND ABS 2016

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The Latin American Affairs Committee and/or Diversity Committee can provide letters of invitation to help scientists (faculty or students) from developing countries obtain travel funding from their universities in order to attend the ABS meeting in 2016. If such a letter would be useful in helping you to obtain funding, please contact the following person, depending on whether you are from a Latin American country or elsewhere, to request an invitation. Please provide your name and address, as well as the title or topic of the paper you will be presenting at the conference.

Latin American Countries: Lilian Tonelli Manica, Departamento de Zoologia, Universidade Federal do Paraná, Curitiba, PR 81531-990, BRAZIL. E-mail: [latinamericanaffairs@animalbehaviorsociety.org](mailto:latinamericanaffairs@animalbehaviorsociety.org)

Other Countries: Daniel Howard, Department of Biological Sciences, University of New Hampshire, Durham, NH 03824, US. E-mail: [diversity@animalbehaviorsociety.org](mailto:diversity@animalbehaviorsociety.org)

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## TEACHING WORKSHOP

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*July 30, 2016*

### Practicing Best Practices in Teaching Animal Behavior

We invite ABS members to a special workshop that will take place on Saturday, July 30, at University of Missouri Columbia. We will **not** have invited speakers who talk **ABOUT** teaching. Instead, four master teachers will actually model and teach four different types of classes. This will allow participants to more easily incorporate these lessons into their animal behavior courses. This workshop is targeted at graduate students, post-docs and new faculty, but everyone is welcome. Breakfast and lunch will be provided. [Click here](#) for speaker information and how to pre-register.

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## PUBLIC DAY

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*July 30, 2016, 9:00 AM - 5:00 PM*

### Animals Helping in Society

*Hosted by the ABS Applied Animal Behavior Committee and Certified Applied Animal Behaviorists*

[animalbehaviorsociety.org](http://animalbehaviorsociety.org)

[Emily DuVal](mailto:Emily.DuVal@fsu.edu), Florida State University, E-mail:  
[mematlarge3@](mailto:mematlarge3@animalbehaviorsociety.org)  
[animalbehaviorsociety.org](http://animalbehaviorsociety.org)

***This event has been approved for CEUs by CCPDT and IAABC***

The goal of the 2016 Public Day is to educate the community and ABS members about dilemmas facing the service animal community and regulatory agencies, and the role of Animal Behavior professionals.

Animals play multiple and diverse roles in the lives of humans. The positive effects of the human-animal bond are well documented by empirical research, and supported by both the pet-owning public and the professional pet service community.

Service animals are a special arena of the human-animal bond, which includes therapeutic animal partners, working dogs, counseling programs, and the legal world of human-animal regulatory agencies, as well as the professional animal behavior community.

A wide range of species are employed in the service role to meet the diverse needs that arise from health impairment conditions. Animal Behavior professionals have a specialized knowledge base for advancing these therapeutic partnerships. This Public Day event aims to enlarge our understandings of these relationships.

**Speakers include:**

Sue McDonnell, PhD, CAAB & Robin Foster, PhD, CAAB. *Selection and Retention of Therapy Horses*  
Rebecca Johnson, PhD, RN, FAAN. *Humans and Animals: Wellness Benefits for Both Ends of the Lead*  
Simon Gadbois, PhD. *The Science of Sniffer Dogs*  
James C. Ha, PhD, CAAB. *Stress and Well-being in Working Dogs: Principles and Evidence*  
Kristen Collins, MS, ACAAB, CPDT. *Using "Helper Dogs" to Rehabilitate Canine Victims of Animal Cruelty*  
Panel Discussion. *Issues in Service Animal Certification*

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**Save the Date!**

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**June 12-16, 2017 at the University of Toronto Scarborough**

Plan to join us for the 54th annual meeting of the Animal Behavior Society

ABS 2017 will be held at the University of Toronto's Scarborough Campus (UTSC). The call for symposia is now open, and we urge you to consider contributing to the program of what promises to be an exciting meeting. See you in Toronto next year!

**Conference hosts:** Maydianne Andrade & Andrew Mason

**Local Organizing committee:**

Darryl T Gwynne  
Locke Rowe  
Marla Sokolowski  
John Ratcliffe



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# NEWSLETTER

## Animal Behavior Society

A quarterly publication

Sue Bertram, Editor

Front Page | Newly Elected Fellows | 2016 Plenaries & Symposia | 2016 Highlights & Events | **Grant Awardees** | Announcements | Memorial | Archive

## 2016 AWARDEES

### ANNOUNCING THE 2016 STUDENT RESEARCH GRANT AND DEVELOPING NATIONS RESEARCH AWARDS

Alison Bell, Senior Member-at-Large,  
Chair 2016 Student Research Grant Committee

We are pleased to announce the recipients of the 2016 Student Research Grants and the Developing Nations Research Awards. We received many high-quality proposals, but as in previous years, the number of applications exceeded the number we could fund. Of the 155 applications submitted, 53 were awarded funding.

Each proposal was reviewed independently by at least two referees, who provided evaluations and constructive feedback for the student grant writers. As always, members of the Society went above and beyond to provide constructive reviews. The Research Grant Committee extends a very heartfelt thank you to the following referees:

Maria Abate, Anita Aisenberg, Eric Albert, Maria Albo, Boris Almonacid, Daniela Dmbrosquinsani, Christopher Anderson, John Angel, Christopher Appelt, Jimena Aracena, Arrilton Araujo, Bryan Arnold, Cecile Ashen-Young, Barbara Ballentine, Jessie Barker, Luciana Baruffaldi, Matthew Bealor, Elizabeth Becker, Daniel Becker, Karl Berg, Sue Bertram, Andrea Bierema, Rafael Blanes, Rachael Bonoan, Jane Brockmann, Stephen Burnett, Daniela Campobello, Joe Casto, MarthaLeah Chaiken, Kenneth Chapin, Gloriana Chaverri, Tom Contreras, Catherine Cornwell, Rebecca Croston, Rogerio Cunha, Leslie Curren, Victoria Cussen, Nicholas DiRienzo, F. DOBSON, Ned Dochtermann, Gary Dodson, Ming Duan, Julie Duboscq, Peter Dunn, Teresa Dzieweczynski, Marcela Fernandez, Kasey Fowler-Finn, Gabriel Francescoli, Becca Franks, Todd Freeberg, Jessica Fujii, Caitlin Gabor, Megan Gall, Eliane Goncalves de Freitas, Kathleen Grogan, Andre Guaraldo, Sarah Guindre-Parker, Charles Gunnels, Lisa Gunter, Monique Halloy, Shala Hankison, Margret Hatch, Ann Hedrick, Heather Hill, Christy Hoffman, Sarah Hollis, Michael Hrcir, Amanda Hubbard, David Hudson, Jodee Hunt, Kim Hunter, Edward Hurme, Anne Jacobs, Rudolf Jander, Michele Johnson, Kevin Judge, Laurie Kauffman, Clint Kelly, David Kikuchi, Rosemary Knapp, Carolyn Kocman, Astrid Kodric-Brown, Jennifer Kovacs, Ipek Kulahci, Kate Laskowski, Joseph Leese, Gavin Leighton, Stuart Leonard, Maureen Leonard, Aliza LeRoux, Russell Ligon, Hangkyo Lim, Alice Lima, David Logue, Matthew Louder, Kirsty MacLeod, Tara Mandalaywala, Lillian Manica, Sue Margulis, Jennifer Mather, Maria Maust-Mohl, Jesyka Melendez, Tamra Mendelson, Deepa Menon, Abraham Miller, Pierre-Olivier Montiglio, Rachel Morrison, Catherine Mossman, Paul Nealen, Eleni Nikitopoulos, Cassandra Nunez, Brian Palestis, Ann Paterson, Kathryn Peiman, Adriana Perea, Mario Pesendorfer, Andrea Presotto, Mariana Pueta, Malcolm Ramsay, Claudia Rauter, Adam Reddon, Dustin Reichard, Pablo Ribeiro, Clare Rittschof, Cora Romanow, Kristen Roosa, Stacy Rosenbaum, Malcolm Rosenthal, Raphael Royaute, Becca Safran, Paul Saft, Bruce Schulte, Trish Schwagmeyer, Nancy Scott, Michelle Scott, Trish Sevene, Melissa Shyan-Norwalt, Lynn Siefferman, Kristina Smiley, Emilie Snell-Rood, Jennifer Sobie, Monique Sosnowski, Jay Stafstrom, Caitlin Stern, Piyumika Suriyampola, Conor Taff, Ben Taft, Ryan Taylor, Kevin Theis, Monique Udell, Alex Urich, Adriana Vallarino, Mariana Velasque, Christian Vlautin, Sara Waller, Eric Walters, Heather Wayne, Melinda Weaver, Stacey Weiss, Mary West-Eberhard, Tina Wey, Danielle Whittaker, Tim Wright, Ka Chow, Jessica Yorzinski, M. Zee, Heather Zimble-DeLorenzo.

We were helped immensely by Adam Kohm and Lorena McMahon at SPLTrak, who administered the online grant submission and review system that ran with very few hiccups. Beth Jakob (2nd Member-at-Large) and Emily DuVal (3rd Member-at-Large) made important contributions during the entire process. Thank you to them also. Most importantly, we want to thank all the members of the Society who have supported this program over the years and who have donated funds to make this program such a success.

#### GEORGE W. BARLOW AWARD

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Beth Jakob, University of Massachusetts-Amherst, E-mail: [mematlarge2@animalbehaviorsociety.org](mailto:mematlarge2@animalbehaviorsociety.org)



**Michael McQuillan**, Lehigh University, *A Test of Cognitive Ability as a Reproductive Isolating Barrier*

#### E. O. WILSON CONSERVATION AWARD

**Amanda Franklin**, Tufts University, *Muddled Messages: The Impact of Increased Turbidity on Stomatopod Signaling*

#### DAVID TUBER APPLIED ANIMAL BEHAVIOR AWARD

**Sarah Adcock**, University of California, *No pain, no gain: Does persistent pain following injury affect responsiveness to predators?*

#### AMY R. SAMUELS CETACEAN BEHAVIOR AND CONSERVATION AWARD

**Khamila Cruz**, Pesquisador, *How do Guiana dolphins share a small estuary with boats?*

#### STUDENT RESEARCH AWARDS

**Mikus Abolins-Abols**, Indiana University, *Hormonal Regulation of a Social Feather Ornament*

**Alissa Anderson**, University of Nebraska – Lincoln, *The Effect of Copulatory Silk Wrapping on Sperm Competition in the Nusery Web Spider, *Pisaurina mira**

**Chelsea Bennice**, Florida Atlantic University, *Niche partitioning by the common octopus (*Octopus vulgaris*) and the mimic octopus (*Macrotritopus defilippi*) in a tropical sandy habitat in Florida*

**Andrea C Boyer**, University of Western Ontario, *Effects Of Seasonal Inclement Weather Cues On White-crowned Sparrows (*Zonotrichia leucophrys*)*

**Erin Brandt**, University of California, Berkeley, *Males like it hot? Sacrifice of Survival for Reproduction in a Jumping Spider*

**Sarah Burgan**, University of South Florida, *Repeated Parasite Exposure: Implications for Host Defense Strategy and Transmission*

**Katharine Burke**, SUNY University at Buffalo, *Social Network, Personality and Stress Levels in Juvenile Rhesus*

**Julie Butler**, Louisiana State University, *Impact of Anthropogenic Noise on Fish Behavior, Communication, and Neural Processing of Sensory and Social Signals*

**Timothy Campbell**, Texas A&M University, *Analysis of Preferential Prey Body Part Consumption in East African Owls*

**Elise Marie Couillard**, University of Manitoba, *Is the Black-tailed Prairie Dog's Awareness of Neighboring Vigilance Spatially Explicit?*

**Megan Cox**, St. Cloud State University, *Modulation of Estrogenic Effects Via Temperature on Two Life Stages of *Pimephales promelas**

**Pedro de Moraes** University of Brasilia, *Parental behavior of the Neotropical bird *Volatinia jacarina* under predation risk*

**Tatiana Dolgushina**, The University of Texas Rio Grande Valley, *Social Influences On Vocal Babbling In A Wild Parrot*

**Kristin Duffield**, Illinois State University, *Give it all we got tonight? Terminal investment and male cricket calling effort*

**Stephen Ferguson**, University of Memphis, *Nestling behavioral and physiological responses to parental territory defense*

**Grace Freymiller**, San Diego State University, *Interspecific variation in anti-snake evasive behavior of kangaroo rats (*Dipodomys* spp.)*

**Caitlin Friesen**, University of Texas at Austin, *The effect of exogenous estrogen on visual signaling in fish*

**Sarah Gardner**, Transylvania University, *Hormonal and Behavioral Consequences of Disrupted Genomic Imprinting for Maternal Care in an Interspecific Mouse Cross*

**Kelly Hougland**, University of Missouri Columbia, *Use of Social Information in the Synchronous Emergence of Periodical Cicadas*

**Jennifer Howard**, Wake Forest University, *Ontogeny of foraging behavior of a marine predator, the Nazca booby (*Sula granti*)*

**Edward Hurme**, University of Maryland, *Foraging flights track dynamic environment in the fish-eating bat, *Myotis vivesi**

**Beryl Jones**, University of Illinois Urbana Champaign, *Laying Worker Honey Bees: A Glimpse of Ancestral Behavior?*

**Blake Jones**, University of Memphis, *Assessing the effects of stress physiology on long-lasting memory in a free-living animal*

**Janice Kelly**, University of Illinois at Urbana-Champaign, *Density dependent effects of conspecific cue use for habitat selection and reproductive success in Yellow Warblers (*Setophaga petechia*)*

**Tosha Ruth Kelly**, Western University, *Behavioural responses to infectious disease during migration in songbirds*

**Whitley Lehto**, University of Denver, *Stress-Induced Parental Effects On Offspring Mate Choice: Ultimate Drivers And Proximate Mechanisms Using The Threespine Stickleback (*Gasterosteus aculeatus*)*

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[Emily DuVal](mailto:mematlarge3@animalbehaviorsociety.org), Florida State University, E-mail:

mematlarge3@  
animalbehaviorsociety.org

- Cheng-Yu Li**, University of Alabama, *Neural Mechanisms Guiding Behavioral Responses to Social Fighting Experience*
- Steven Kevin McCormick**, Michigan State University, *Behavioral Epigenetics in Spotted Hyenas: Personality and Development*
- Logan McDonald**, Virginia Commonwealth University, *Effects of fire disturbance on multiscale habitat selection by Cope's gray tree frog*
- Lisa Mitchem**, University of Illinois at Urbana-Champaign, *Color Vision in Largemouth Bass (*Micropterus salmoides*)*
- Jennifer Morinay**, Claude Bernard Lyon 1 University – CNRS, *Eavesdropping on Heterospecific Acoustic Display: Information Used for Small Scale Habitat Quality Assessment in Collared Flycatchers?*
- Nadje Najar**, University of Northern Colorado, *Geographic Patterns of Song Complexity in the Rock Wren (*Salpinctes obsoletus*)*
- Lindsey Nietmann**, University of Washington, *Novel Predator Recognition in Island and Continental Rufous Fantails (*Rhipidura rufifrons*)*
- Taylor Polvadore**, University of Florida, *Bounding and leaping kinematics in two African colobine monkeys*
- Luke Reding**, University of Texas at Austin, *Rationality of choice behavior in a swordtail*
- Natalie Roberts**, University of Maryland Baltimore County, *Behavior at the Species Boundary: the Overlooked Role of Male Mate Choice in a Sexually Dimorphic Species*
- Hannes Schraft**, San Diego State University, *Do Infrared-Sensing Rattlesnakes (*Crotalus* spp.) Eavesdrop on Prey Body Temperature?*
- Spencer Schubert**, Old Dominion University, *Influence of seasonally varying seed dispersal behaviors of colonially nesting birds on plant reproductive success*
- Samuel Slowinski**, Indiana University, *How do malaria parasites alter the attractiveness of their avian hosts to vectors?*
- Meredith Steck**, University of Minnesota, *Trade-offs in the Sensory Ecology of a Host-Searching Butterfly*
- Meghan Still**, University of Texas at Austin, *Complex Social Stimuli in a Neotropical Anuran Species: The Role of Multimodal Signals in Male-Male Competition*
- Jessie C. Tanner**, University of Minnesota, *Shaping Female Preference Functions: The Effect of Biologically Relevant Noise on Receiver Error Rates*
- Nicole Thompson**, Columbia University, *The Benefits of Social Connection During Development in Blue Monkeys*
- Sheela Turbek**, University of Colorado, Boulder, *The Relative Significance of Migration and Sexual Signaling in Gene Flow Across Replicate Hybrid Zones*
- Kirsten Verster**, University of Arizona, *Lord of the flies: the evolution of parasitoid resistance in insects through behavioral change*
- James Watts**, University of Nebraska-Lincoln, *Fitness Consequences of Geographic Variation in Mate Choice in a Wolf Spider*
- Brian Whyte**, University of California Berkeley, *On the Inheritance of Supercolony Identity and the Collapse of Invasive Argentine Ant Societies*
- Colin Wright**, University of Pittsburgh, *Who's in charge? Does keystone experience override colony experience in conflicting predation regimes?*
- David Zonana**, University of Colorado, Boulder, *Social Networks and Patterns of Paternity across a *Callipepla* Quail Hybrid Zone*

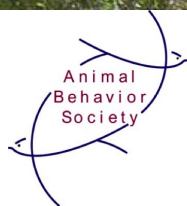
#### DEVELOPING NATIONS RESEARCH AWARDS

- Irene Pandulli** Instituto de Investigaciones Biológicas Clemente Estable, *Can female spiders cryptically bias paternity according to gift content?*
- Melina Brividoro** CONICET, *Sleeping group patterns in black and gold howler monkeys during nocturnal rest and sleeping site selection: Effects of socio-ecological factors*
- Boris Almonacid** Pontificia Universidad Católica de Valparaíso, *Predict flight patterns of the Andean Condor (*Vultur gryphus*)*.
- Pedro Ribeiro** UFPR, *Cooperative displays of blue manakins (*Chiroxiphia caudata*) and copulation success*
- Milene Garbim Gaiotti** Universidade de Brasília, *Social and genetic mating system of the Araripe manakin (Aves: Pipridae): the role of sexual selection*

Send general correspondence concerning the Society to Sue Bertram, Sue.Bertram@carleton.ca. Deadlines for materials to be included in the Newsletter are the 15th of the month preceding each issue. The next deadline is 15 July, 2016. Articles submitted by members of the Society and judged by the Secretary to be appropriate are occasionally published in the ABS newsletter. The publication of such material does not imply ABS endorsement of the opinions expressed by contributors.

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# NEWSLETTER

## Animal Behavior Society

A quarterly publication

Sue Bertram, Editor

Front Page | Newly Elected Fellows | 2016 Plenaries & Symposia | 2016 Highlights & Events | Grant Awardees | **Announcements** | Memorial | Archive

## Announcements

### DONATIONS TO ABS FUNDS

### A BIG THANK YOU TO ALL CONTRIBUTORS!

Over \$4000 was contributed in the calendar year from May 1, 2015 to April 30, 2016 to support the student grant competitions and other ABS activities, as detailed here:

Student Research Grants:	\$3301
Unrestricted Funds:	\$350
Cetacean Award:	\$201
Latin American Initiatives:	\$85
Conservation:	\$60
Tuber Award:	\$51
Barlow Award:	\$50
Genesis:	\$40

### Donations to ABS Funds (contributors in alphabetical order by first name):

Christine R. Boake, Jill A. Soha, Joan Strassman, Marlene Zuk, Stephen H. Jenkins, and Zuleyma Tang-Martínez, and Royalties from the University of Chicago Press: (Henry Whitehead, Janet Mann, Lee Dickamer, Lynne Houck, Peter Tyack, and Richard Connor).

### GIFT STUDENTS WITH AN ABS MEMBERSHIP

The Animal Behavior Society offers discounted rates for student members (\$25/year for online subscription or \$60/year for paper and online subscription; \$15 or \$45, respectively, for students in developing nations). Given graduate students usually have minimal disposable income, please consider purchasing ABS memberships for your students. You will support your students and your society with one small donation.

Please contact the ABS Central Office for more information on how to purchase a gift a membership: [info@animalbehaviorsociety.org](mailto:info@animalbehaviorsociety.org)

### GEORGE W. BARLOW AWARD FOR OUTSTANDING STUDENT RESEARCH PROPOSAL

An endowment fund was established in 2014 in memory of George W. Barlow for the purpose of encouraging excellence in graduate student research in the field of animal behavior. The **Barlow Award** is awarded annually to one top-ranked proposal in the Student Research Grant cycle in accordance with the most recent ABS Student Research Grant competition rules. A cash award and a certificate will be given to the student selected. The amount of the **Barlow Award** will be the maximum amount allowed for a Student Grant Award as specified in the most recent ABS bylaws or policies.

If you would like to make a US tax-deductible donation to this cause, you may do so online by visiting the ABS donations page at: <http://www.animalbehaviorsociety.org/web/support.php>

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**Parliamentarian: Eileen Hebets**, University of Nebraska, E-mail: [parliamentarian@animalbehaviorsociety.org](mailto:parliamentarian@animalbehaviorsociety.org)

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**Historian: Zuleyma Tang-Martínez**, University of Missouri- St. Louis, E-mail: [historian@animalbehaviorsociety.org](mailto:historian@animalbehaviorsociety.org)

### Members-at-Large:

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**Beth Jakob**, University of Massachusetts-Amherst, E-mail: [mematlarge2@animalbehaviorsociety.org](mailto:mematlarge2@animalbehaviorsociety.org)

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## CALL FOR SYMPOSIA, INVITED SESSIONS & WORKSHOP PROPOSALS - 2017 ABS MEETING

To organize a symposium, an invited paper session, or a workshop for the ABS Annual Meeting, you should first contact the Program Officers to discuss your ideas. We ask you to propose your topic to the Program Officers to make sure that there is no conflict with already existing plans and topics. A symposium should be a profound and stimulating review of an important subject area that currently is a major focus of research. It should be a thorough treatment of past work and current research advances. A symposium should be of general interest to the majority of ABS members. Limited funding is available from ABS to assist with travel, registration, and other expenses for symposia. An invited paper session is a special grouping of papers that focus upon empirical results relating to a particular topic. A workshop is a hands-on exchange of ideas in a more informal setting relative to lectures and symposia. Funding is not available from ABS for expenses related to invited paper sessions and workshops.

Symposia, invited paper sessions, or workshop proposals for the 2017 meeting in Toronto, Ontario, Canada must be submitted through the website:

<https://docs.google.com/forms/d/1r5rS8u6qUE534SxsBWhobvEFlxvb8QBjBo3MWhzOL8/viewform>.

Proposals are due on June 30, 2016 before the annual meeting in Missouri (July 30 – August 3:

<https://www.animalbehaviorsociety.org/2016>). The proposals will be circulated to the Executive Committee prior to the Annual Meeting in Anchorage and then discussed at the Executive Committee meeting.

Further information can be found on the ABS website or by contacting the ABS Program Officers: Mark Hauber, E-mail: [progofficer@animalbehaviorsociety.org](mailto:progofficer@animalbehaviorsociety.org) or Jonathan Pruitt, E-mail: [progofficerelect@animalbehaviorsociety.org](mailto:progofficerelect@animalbehaviorsociety.org)

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## JOIN AN ABS COMMITTEE!

If you would you like to volunteer for one of the society's active committees listed below, contact ABS President Emilia Martins Indiana University - Bloomington, E-mail: [president@animalbehaviorsociety.org](mailto:president@animalbehaviorsociety.org)

### ABS STANDING COMMITTEE AND SUBCOMMITTEE CHAIRS 2015-2016

**Animal Care Committee:** Alexander Ophir, Department of Psychology, Cornell University, 224 Uris Hall, Ithaca, NY 14853, US. E-mail: [animalcare@animalbehaviorsociety.org](mailto:animalcare@animalbehaviorsociety.org)

**Conservation Committee:** Misty McPhee, Asst. Prof. Environmental Studies and Biology, 3448 Sage Hall, University of Wisconsin Oshkosh, Oshkosh, WI 54901, US. E-mail: [conservation@animalbehaviorsociety.org](mailto:conservation@animalbehaviorsociety.org)

**Nominations Committee:** Regina H. Macedo, Departamento de Zoologia, Universidade de Brasilia, Brasilia, DF 70910-900, BRAZIL. E-mail: [nominations@animalbehaviorsociety.org](mailto:nominations@animalbehaviorsociety.org)

**Education Committee:** Susan W. Margulis, ABEC Department, Canisius College, 2001 Main Street, Buffalo, NY 14208, US. E-mail: [education@animalbehaviorsociety.org](mailto:education@animalbehaviorsociety.org)

**Film Committee:** Barbara A. Clucas, Department of Wildlife, Humboldt State University, Arcata, CA 95521, US. E-mail: [film@animalbehaviorsociety.org](mailto:film@animalbehaviorsociety.org)

**Applied Animal Behavior Committee:** Robin L. Foster, Department of Psychology CMB 1046, University of Puget Sound, Tacoma, WA 98416-0001, US. E-mail: [appliedanimalbehavior@animalbehaviorsociety.org](mailto:appliedanimalbehavior@animalbehaviorsociety.org)

**Public Affairs Committee:** Patricia Brennan, Psychology Department, University of Massachusetts, Amherst, MA 01003, US. E-mail: [publicaffairs@animalbehaviorsociety.org](mailto:publicaffairs@animalbehaviorsociety.org)

**Board of Professional Certification Subcommittee:** Crista Coppola, Certified Applied Animal Behaviorist, Dog and Company Behavior Consulting, US. E-Mail: [caab@animalbehaviorsociety.org](mailto:caab@animalbehaviorsociety.org)

**Latin American Affairs Committee:** Lilian Tonelli Manica, Departamento de Zoologia, Universidade Federal do Paraná, Curitiba, PR 81531-990, BRAZIL. E-mail: [latinamericanaffairs@animalbehaviorsociety.org](mailto:latinamericanaffairs@animalbehaviorsociety.org)

**Student Research Grants Committee:** Alison Bell, Department of Animal Biology, University of Illinois at Urbana-Champaign, 439 Morrill Hall, 505 South Goodwin Ave., Urbana, IL 61801, US. E-mail: [studentresearchgrants@animalbehaviorsociety.org](mailto:studentresearchgrants@animalbehaviorsociety.org)

**Advancement and Investment Committee:** Jeff Galef, Department of Psychology, Neuroscience and Behaviour, McMaster University, Hamilton, ON L8S 4L8, Canada. and Robert Seyfarth, Department of Psychology, University of Pennsylvania, Philadelphia, PA 19104, US. E-mail: [advanceandinvest@animalbehaviorsociety.org](mailto:advanceandinvest@animalbehaviorsociety.org)

**Diversity Committee:** Daniel Howard, Department of Biological Sciences, University of New Hampshire, Durham, NH 03824, US. E-mail: [diversity@animalbehaviorsociety.org](mailto:diversity@animalbehaviorsociety.org)

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## ANNUAL MEETINGS

### MEETINGS

#### ANIMAL BEHAVIOR SOCIETY - ANNUAL MEETINGS

[Emily DuVal](mailto:Emily.DuVal@fsu.edu), Florida State University, E-mail: [mematlarge3@animalbehaviorsociety.org](mailto:mematlarge3@animalbehaviorsociety.org)

**2016: July 30-Aug 3, 53rd Annual Meeting Animal Behavior Society** - University of Missouri, Columbia, MO

**2017: Dates June 12-16, 54th Annual Meeting Animal Behavior Society** - University of Toronto Scarborough, Canada

#### OTHER UPCOMING MEETINGS

**2016: 16-19 May, International "Stress and Behavior" Neuroscience and Biopsychiatry Conference** - 22nd Annual Meeting, St-Petersburg, Russia

**2016: June 29-July 2, Human Behavior and Evolution Society (HBES)** – [Human Behavior and Evolution Society meeting](#) will take place at the [Westin Baysshore](#) in Vancouver, Canada.

**2016: 2-9 July, Joint Meeting of the International Society of Arachnology and the American Arachnological Society.** For more information go [here](#)

**2016: 29 July - 4 August, International Behavioral Ecology Congress 16th Annual Meeting** - University of Exeter, UK.

**2016: 21-27 August, American Society of Primatologists** - The 39th meeting of the American Society of Primatologists will be held jointly with the 26th Congress of the International Primatological Society in Chicago, Illinois. All details, including submission deadlines, are available on the joint meeting website: <http://www.IPSChicago.org>.

**2016: 21-27 August, Congress of the International Primatological Society** - The 26th meeting of the 39th Congress of the International Primatological Society will be held jointly with the American Society of Primatologists. All details, including submission deadlines, are available on the joint meeting website: <http://www.IPSChicago.org>.

**2017: 4-8 January, Society for Integrative and Comparative Biology (SICB)** - Annual Meeting, New Orleans, Louisiana, [Meeting Website](#). Abstract Deadline will be Thursday 1 September 2016.

**2017: 16-18 January, 4th Caribbean Biomedical Research Days CBRD-2017, in conjunction with Regional ISBS "Stress and Behavior" Neuroscience and Biopsychiatry Conference Biopsychiatry Conference - Rodney Bay, St. Lucia, West Indies**

**2017: 16-20 February, American Association for the Advancement of Science (AAAS)** – Annual Meeting: Serving Society Through Science Policy, Boston, MA.

**2017: 30 July-4 August Behaviour 2017**, a joint meeting of the 35th International Ethological Conference (IEC) and the 2017 Summer Meeting of the Association for the Study of Animal Behaviour (ASAB) in Estoril, Portugal.

**2018: 3-7 January, Society for Integrative and Comparative Biology (SICB)** - Annual Meeting, San Francisco, California. [Call for Symposia](#) (Deadline: 25 August 2016)

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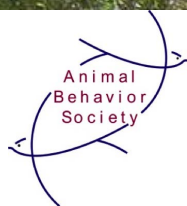
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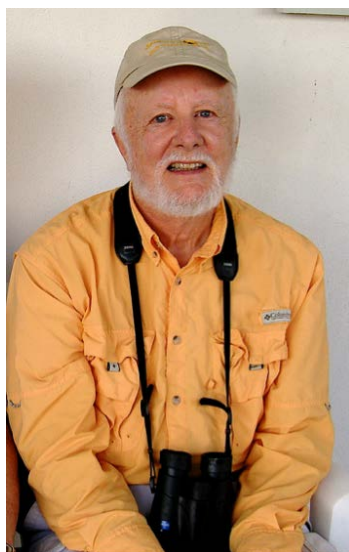
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A quarterly publication

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## Memorial



**Jack P. Hailman (1936-2016)**

By H. Jane Brockmann and Donald A. Dewsbury

Jack Hailman was a mainstay of the ABS for many years. In addition to enlivening the annual meetings (e.g. by writing *Animal Misbehaviour*) he served as Executive Editor of *Animal Behaviour* (1972-1978) and as President (1981-1982). Among other positions, he served on the Education Committee, the Animal Care Committee and the Applied Animal Behavior Committee. Jack was elected a fellow of ABS in 1984 and was awarded the Distinguished Animal Behaviorist Award in 1998. He received similar awards from other organizations.

Jack Hailman was born May 6, 1936 in St. Louis, MO and grew up in Bethesda, MD, where his future roles were foreshadowed as an eagle scout, the president of his high school class, and an avid birder. Jack received his undergraduate degree from Harvard in 1959 where E. O. Wilson was his advisor. He served as the president of the Harvard Ornithological Club and edited its newsletter. Upon graduation he married his high school sweetheart, Elizabeth B. Davis. He was also commissioned into the Navy in 1959, where he served for three years.

Jack continued his education at Duke University under the direction of Peter Klopfer, studying the development of behavior in gull chicks and receiving his Ph.D. in 1964. He then accepted a post-doctoral fellowship in Tübingen, Germany followed by one at the Institute for Animal Behavior at Rutgers University in Newark, NJ. In 1966 he was appointed Assistant Professor of Zoology at the University of Maryland and in 1969 he moved to the Department of Zoology at the University of Wisconsin, where he spent the rest of his academic career. He retired in 1998 as Professor Emeritus and moved to Jupiter, FL.

Jack was fascinated by a wide range of problems in animal behavior but especially visual and auditory communication and coding. He wrote many papers and two books on the topic including *Coding and Redundancy: Man-Made and Animal-Evolved Signals* (2008, Harvard University Press) and *Optical Signals: Animal Communication and Light* (1977, Indiana University Press). Perhaps his best known single study entailed unraveling the developmental complexity of the behavior of laughing gull chicks pecking at the red spots on their parents' bills in order to be fed. The work was cleverly titled "The Ontogeny of an Instinct" (1987) and "How an Instinct is Leaned" (1969).

During his 32 years as a professor, Jack mentored many undergraduate, graduate and post-doctoral students and taught a number of courses including animal behavior, graduate animal behavior seminars, and introductory biology. His students particularly remember the many evening seminars at his home where Jack taught

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critical thinking, scientific epistemology, history of science and logic (e.g. the Wff 'n Proof game), as well as more conventional subjects like the evolution of behavior. HJB recalls a particularly interesting undergraduate field course that he led to Florida over spring break, Field Biology of the Southeast. Together with his mentor Peter Klopfer, Jack wrote the textbook *An Introduction to Animal Behavior: Ethology's First Century* (1967, Prentice Hall). He put enormous thought into his teaching, preparing detailed handouts on all aspects of behavioral and field research. Much of this information was pulled together into the book, *Planning, Proposing and Presenting Science Effectively* which he co-authored with a fellow faculty member at Wisconsin, Karen Strier (2006, Cambridge University Press). Jack was especially effective at encouraging students to publish their observations and ideas and he co-authored a number of papers with them. He particularly valued detailed, quantitative description that could be used in comparative studies. He encouraged his students to be creative, to develop collaborations and to defend their ideas.

Jack was equally popular and respected by his colleagues. He seemed genuinely interested in their work and was supportive of a range of approaches. DAD recalls numerous such interactions about science and at ABS executive committee meetings. At a meeting in Tallahassee, Jack invited him and S. J. Gould to join his family for a cookout at his campsite; both the atmosphere and discussion were memorable. He was an equally gracious host at his home in Jupiter; DAD recalls one visit featuring both lively discussions and a birding walk. Jack was a naturalist and a keen observer of the natural world; he greatly enjoyed being in the field, always with notebook in hand, always thinking about what he was seeing and hearing. Among his works were *Backpacking Wisconsin* (2000) and *Hiking Circuits in Rocky Mountain National Park* (2003), both written jointly with Liz.

In 1996 Jack began his long association with the Archbold Biological Station studying Florida scrub jays in collaboration with Glenn Woolfenden and others, helping with the monthly jay censuses. In his retirement Jack continued to serve in leadership roles in his new community and for his new and ongoing interests. He edited the newsletter for the Florida Trail Association and worked to maintain their trails. He also conducted monthly biological surveys at the Jupiter Inlet Lighthouse Outstanding Natural Area cataloguing the plants and animals and developing an on-line photo identification database for the area. For his exceptional efforts, he received the 2014 Bureau of Land Management National Volunteer Award.

Surrounded by family, Jack Hailman died of lung disease in Jupiter Colony, FL on January 20, 2016. He is survived by his wife of 57 years, Elizabeth Hailman, two sons, Karl Andrew Hailman (Hope Kiefer) of Madison, WI, and Eric Peter Hailman (Susan Hailman) of Lexington, MA, and five grandchildren. The ABS laments the passing of Jack Hailman and extends sympathies to his family, colleagues and friends.



**Charles C. Carpenter, Ph.D.**  
**By James C. Gillingham**

Herpetologist, animal behaviorist and naturalist, Charles C. Carpenter (Chuck), died January 10, 2016. He was born June 2, 1921 in Denison, Iowa, but grew up on the shores of Lake Superior in Marquette, Michigan. After receiving his B.A. degree at Northern Michigan College of Education (now Northern Michigan University) in 1943, he entered the Army Medical Corps. Following the war, he received his M.S. in 1947 and PhD in 1951, both from the University of Michigan in Ann Arbor. He joined the faculty of the Department of Zoology at the University of Oklahoma in 1952 and remained there until his retirement in 1987.

Chuck was a world renowned herpetologist. His 1952 monograph on the comparative ecology of three species of garter snakes is still cited today as a solid example of excellent qualitative and quantitative field work and set the stage for future work in snake ecology. He was a meticulous observer of the natural world and kept detailed field notes on these observations. Chuck firmly believed that these observations deserved dissemination to the scientific community, and so most of this information was published. In so doing, he laid the groundwork for subsequent,

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[Emily DuVal](mailto:Emily_DuVal@FSU.edu), Florida State University, E-mail:  
[mematlarge3@animalbehaviorsociety.org](mailto:mematlarge3@animalbehaviorsociety.org)



perhaps more quantitative work on those species.

First and foremost, Chuck was an animal behaviorist. He adhered to the use of the “*ethogram*” to initially document the behavioral array of a given species so future, more detailed questions, could be asked and answered. Beginning in the early 1960s he and his students introduced biologists to the concept of the lizard “display action pattern” and its quantitative representation in the “*DAP Graph*”. This gave animal behaviorists a way to quantify visual communication in lizards and this is still being used today. Chuck soon applied this technique to the lizards of the Galapagos Islands as well as to species in southwestern North America. Further, by utilizing zoo collections these data were used to make comparisons on a worldwide basis. By 1977, due in large part to his prominence in the area of reptilian behavior, he coauthored a chapter on the variation and evolution of stereotyped reptilian behavior, published in the significant series entitled “*The Biology of the Reptilia*” (1977). Chuck’s publication list of almost 150 papers in animal behavior and herpetology continued well into his retirement.

“Doc” Carpenter, as he was known to his students, was a genuine naturalist who fully understood and appreciated the interaction and importance of all living things...not just the organisms with which he was most familiar. As a mentor, he was able to convey this to all his students, not only through formal classroom education, but also through his informal impromptu quizzing and word games on trips into the field. The best of these field trips were the annual spring break “safaris” to various corners of North America in search of reptiles and amphibians where Doc Carpenter would shine like the true naturalist he was. He punctuated long periods of hard field work with breaks to drink a “prairie cocktail” (cold water) or inquire as to the identity of some critter bones he had just found. Evenings were filled with tales of his youth, and the philosophy of why one should live by the “3 Ps”: Patience, Persistence and Perseverance. Field work with his students always gave him genuine delight!

Through his entire career, Chuck was an active member of a number of societies. He was a charter member of the following societies: Ecological Society of America, Southwestern Association of Naturalists, Oklahoma Herpetological Society, and Society for the Study of Amphibians and Reptiles. He was a founder and fellow of the ABS, as well as secretary of the Executive Committee from 1966-68. Chuck Carpenter was the Curator of Herpetology at the University of Oklahoma’s Stovall Museum of Natural History (now the Sam Noble Oklahoma Museum of Natural History) from 1953-1987 and Curator Emeritus at the Sam Noble Oklahoma Museum of Natural History since his retirement in 1987.

Chuck had a strong interest in history, in particular the role of biologists and their contributions to the current state of our knowledge. In addition to his publishing several individual accounts on early North American naturalists, he completed a paper on “*Early Oklahoma Naturalists and Collectors*” in 2000. Prior to that he published “*The Centennial History of the Department of Zoology at the University of Oklahoma*” (1992).

Although Chuck was unable to read music, he could play piano, guitar and accordion. He had a great singing voice and loved to sing and dance. He enjoyed painting and was an accomplished poet. His 1939 “Ode to a Toad” has always been a favorite of his family and students.

The ABS laments the passing of Charles C. Carpenter and extends sympathies to his family, colleagues and friends.

## ABS Newsletter

Send general correspondence concerning the Society to Sue Bertram, Sue.Bertram@carleton.ca. Deadlines for materials to be included in the Newsletter are the 15th of the month preceding each issue. The next deadline is 15 July, 2016. Articles submitted by members of the Society and judged by the Secretary to be appropriate are occasionally published in the ABS newsletter. The publication of such material does not imply ABS endorsement of the opinions expressed by contributors.

## Animal Behaviour

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