



NEWSLETTER

Animal Behavior

Society

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A quarterly publication

Stephen M. Shuster, Secretary

Herbert C. Wildey, Editorial Assistant
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CANDIDATES FOR 1999 ELECTION OF OFFICERS

The following persons have been nominated as candidates for ABS offices. The election ballot will appear in the November 1999 Newsletter and terms will begin following the annual meeting in 2000.

Second President-elect:

Anne Clark, Binghamton University
Bennett G. Galef, McMaster University

Treasurer

Tom Rambo, Northern Kentucky University
Nancy Solomon, Miami University of Ohio

Executive Editor

Jeff Lucas, Purdue University

Member-at-Large

Nicky Clayton, University of California, Davis
Steve Nowicki, Duke University

Additional nominations may be made by letter to the 1999-2000 Nominating Committee Chair, Meredith West, Department of Psychology, Indiana University, Bloomington, IN 47405, USA. Nominations must be signed by five or more ABS members in good standing (ABS Constitution, Article 8, Section 2) and must be received by October 1, 1999.

1999 ALLEE AWARD

Sixteen participants were in the 1999 Warder Clyde Allee Best Student Paper Session. The Receptient, **Sara Cahan**, Arizona State University, received \$250 from ABS plus \$700 in book awards from the sponsoring publishers (listed below) plus a pink feather boa tiara from the previous year's receptient for her paper, *Cooperation and Conflict in Unrelated Social Groups: Insights from Geographic Variation*. **Denise Pope**, Duke University, and **David Tarp**, University of California-Davis received Honorable Mentions and \$375 each in book certificates. Pope's paper was called *Why Wave? The Function of Fiddler Crab Claw Waving*; Tarp's was *Behavioral and Evolutionary Mechanisms of Polyandry in Honey Bees (Apis mellifera)*.

The Allee judges were: John Byers, University of Idaho; Jerry Downhower, Ohio State University; Jennifer Fewell, Arizona State University; and Patty Gowaty, University of Georgia.

Each of the following publishers provided book awards at indicated amounts (receptient first, then honorable mentions). Academic Press (\$100 for Receptient; \$50.00 each for 2 Honorable Mentions). Oxford University Press (\$100 for Receptient; \$50 for 2 Honorable Mentions). Princeton University Press (\$100 for Receptient; \$50.00 each for 2 Honorable Mentions). Sinauer Associates (\$150 for Receptient; \$100 for 2 Honorable Mentions). University of Chicago Press (\$100 for Receptient; \$50 for 2 Honorable Mentions). Harvard University Press (\$150.00 for Receptient; \$75.00 for 2 Honorable Mentions). Cornell University Press also gave each a book.

DIRECTION OF CORRESPONDENCE

ABS Newsletter and general correspondence concerning the Society: **Steve Shuster**, Dept. of Biological Sciences, Northern Arizona University, Flagstaff, AZ 86011-5640, USA. Deadlines are the 15th of the month preceding each Newsletter. The next deadline is October 15, 1999.

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 endorsement by the ABS of the opinions expressed.

Animal Behavior Society Web Site:
<http://www.animalbehavior.org>

Animal Behaviour: manuscripts and editorial matters: Animal Behavior Office, 2611 East 10th St., Office 170, Indiana University, Bloomington, IN 47408-2603, USA. Phone (812) 856-5541. Fax (812) 856-5542. Email: aboffice@indiana.edu.

Change of Address: missing or defective issues of *Animal Behaviour*: Animal Behavior Office, 2611 East 10th St., Office 170, Indiana University, Bloomington, IN 47408-2603, USA. Phone (812) 856-5541. Fax (812) 856-5542. Email: aboffice@indiana.edu

ABS OFFICERS

President: Andrew Sih, Center for Ecology, Evolution and Behavior, University of Kentucky, Lexington, KY 40506-0225, USA., E-mail: andy@darwin.ceeb.uky.edu.

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Second President-elect: Michael D. Beecher, Department of Psychology, University of Washington, Seattle, WA 98195, USA. E-mail: beecher@u.washington.edu

Past President: Meredith West, Departments of Biology and Psychology, Indiana University, Bloomington, IN, 47405, USA. E-mail: mewest@bio.indiana.edu.

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Editor: Bennett G. Galef, Jr., Dept. of Psychology, McMaster University, Hamilton, ON L8S 4K1, Canada. E-mail: galef@mcmaster.ca.

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James Ha, Regional Primate Research Center, University of Washington, Seattle, WA, 98195-7330, USA. jcha@u.washington.edu.

Shelley Adamo, Dept. Psychology, Dalhousie Univ., Halifax, NS B3H 4J1, Canada E-mail: sadamo@is.dal.ca

Historian: Donald Dewsbury, Dept. of Psychology, University of Florida, Gainesville, FL, 32611, USA. E-mail: dewsbury@webb.psych.ufl.edu.

NEW ABS FELLOWS

Congratulations to the newly-elected Fellows of the Animal Behavior Society. The new Fellows are **Christine R. B. Boake, Jack Bradbury and Hugh Dingle**.

MARTIN W. SCHEIN FOUNDER'S MEMORIAL POSTER AWARD

The Martin W. Schein Founder's Memorial Poster Session at the Bucknell University meeting included a number of creative and interesting posters. The winning poster was presented by **Daniel D. Wiegmann** and **Douglas A. Wiegmann**, Bowling Green State University, for a poster entitled *Transpositional learning by bumblebee foragers*. Honorable Mention went to: **Allison J. Abell, Vanessa S. Quinn** and **Diana K. Hews**, Indiana State University, for a poster entitled *Male color signals and social interactions in a Sceloporus lizard*, and to **Daniel J. Albrecht**, University of New Mexico for a poster entitled *Sex ratio manipulations in nests of secondary female house wrens*

We congratulate the winners and thank the team of judges for their work. They were: Molly Morris, Ohio University, Arla Hile, University of California, Irvine, Steve Nowicki, Duke University, and Andrew Sih, University of Kentucky.

ABS CAREER AWARD

The 1999 Quest Award is to be presented to **Christine R. B. Boake**. The awards will be made at the 2000 meeting at Morehouse College in Atlanta, GA.

NEW INVESTIGATOR AWARDS

Two New Investigator Awards were presented at the Annual Banquet at Bucknell University. The first was to **H. Kern Reeve** whose integrated theoretical and empirical research has substantially increased our understanding of the partitioning of reproductive effort in groups and the evolution of social behavior. The second was to **Douglas P. Chivers** whose research that has provided novel insights into the ways chemical alarm signals can benefit senders.

DISTINGUISHED ANIMAL BEHAVIORIST

Jack P. Hailman received the 1998 Distinguished Animal Behaviorist Award for his seminal theoretical and empirical contributions to the field of animal behavior. He has explored behavior at all levels, and has made substantial contributions to the profession through his teaching and writing for students, and through his service contributions to the Animal Behavior Society and other organizations associated with the study of animal behavior.

ABS SERVICE AWARD

The ABS Service Award was made to **Lee Drickamer** at the 1999 Animal Behavior Society Banquet at Bucknell University. President West thanked him for his many years of service to the Society. He has served the Animal Behavior Society in a diversity of ways that have included serving terms as Editor and President, serving as program officer in one year, and membership on many committees. We thank you Lee!

1999 WILLIAM C. BROWN ANIMAL BEHAVIOR TEACHING AWARD

Presentation of the William C. Brown Animal Behavior Teaching Award was made to **Douglas C. Candland** of Bucknell University on June 27, 1999 at the annual meeting of the Animal Behavior Society at Lewisburg, PA. The award, made possible by the generosity of McGraw-Hill Publishers, consists of a plaque honoring the recipient plus \$1000, half a personal award to the awardee and half a grant to be used by the awardee to further advance the effective teaching of animal behavior at the awardee's institution. Dr. Candland was recognized for sustained and distinguished contributions in teaching animal behavior to undergraduates over a number of years. Professor Candland came to Bucknell in 1960 and, in 1967, with several colleagues, founded the Animal Behavior program at Bucknell. Since that time over 300 undergraduates and over 50 master's degree students have completed the program, including many whose names you would recognize who have gone on to make substantial contributions to the field. Professor Candland was nominated for the award by Dr. Donald Dewsbury, an early student in the program and now Professor of Psychology at the University of Florida. This nomination was supported by letters from many former students, including academicians, foundation officers, research scientists and veterinarians. These letters spoke of a professor who was an excellent classroom instructor, a compassionate human being who showed personal interest in every student, and a true scholar.

It is an honor and a privilege to present the Animal Behavior Society Outstanding Teaching Award to Dr. Douglas K. Candland.

1999 ABS FILM COMPETITION

The 16th annual Film Festival was held at the this year's meetings at Bucknell University. The winner of the ABS Film Award for the best commercial film was: *The Science of Whales*, produced by Bo Boudart and Elizabeth O'Connell, photographed by Bo Boudart and Louis Prezelin, a Wonder Visions production, 1998. There were no entries for the Jack Ward Memorial Film Award (non-commercial category) this year.

We wish to acknowledge the efforts of this year's judges:

Daniel Albrecht, Sacred Heart University
Martha Leah Chaiken, Rutgers University
Todd Freeberg, Purdue University
Neil A. Mercado, Penn State, Abington College,
Chair Renee Robinette, University of Washington
Kim Sawrey, UNC-North Carolina
Ann Storey, Memorial University, Newfoundland

Please help us identify good quality, "tried and true" films covering any topic that would be relevant to the field of animal behavior. We are asking members to submit the names of films or videos that they find useful in their teaching or research. Please include the following information about each film/video: title, year, length in minutes, color or b&w, format (16mm, 1/2"VHS, etc), source, and a short (several sentences) synopsis. These titles will be added to a film catalog of selected films, videos, and videodisks and will be made available to members.

Please send the list to Neil Mercado, Dept. of Biology, Penn State Abington College, Abington, PA. 19001 (nam4@psu.edu).

CALL FOR APPLICATIONS ABS Student Research Grants

The ABS Research Grants Committee announces the 2000 competition for funds in support of student research. Only student members of ABS who are enrolled in graduate programs are eligible to apply. Recipients of past research awards are ineligible. A total of \$15,000 (US) will be available to support ten students at a level of no more than \$1000 each and an additional ten students for up to \$500 each. The DEADLINE for receipt of completed applications is January 24, 2000. Late applications will not be accepted. Applications will be reviewed by two or three referees and applicants will be notified of the results by April 1, 2000. The preferred method for receiving and submitting applications is through <http://www.animalbehavior.org/ABS/Grants> through the world wide web and any browser. Information on the submission of special files (e.g. figures) is

available on that site. For those preferring to submit their application directly electronically or as an electronic attachment contact Dr. Michelle Scott at mps@cisunix.unh.edu.

CALL FOR APPLICATIONS Developing Nations Research Grant

The Animal Behavior Society announces the third annual Developing Nations Research Grant (DNRG) program. Two grants of up to \$700 (US) will be awarded to provide financial support for scientific studies of animal behavior conducted by students or more established members of the Animal Behavior Society (ABS). Only current members of the Animal Behavior Society residing in developing nations are eligible (the following are not considered developing nations: United States, Canada, Israel, Japan, Australia, New Zealand, Iceland, Norway, Sweden, Finland, Denmark, Germany, The Netherlands, Belgium, Luxembourg, France, United Kingdom, Ireland, Switzerland, Austria, Italy, Spain, and Portugal). Student members of ABS may also apply for the Student Research Grants Competition, but no one may receive more than one Developing Nations or Student Research Grant in a lifetime. Student DNRG applicants must be enrolled at an institution in a developing nation.

The DEADLINE for receipt of completed applications is 10 JANUARY 2000. All applications must be submitted in English. Applications will be reviewed by two or three referees and funded projects will be announced by 1 APRIL 2000. The preferred method for acquiring application materials is through the World Wide Web at [:http://www.animalbehavior.org/ABS/Grants/index.html](http://www.animalbehavior.org/ABS/Grants/index.html). Paper versions can be downloaded from this WWW address, or are available upon request from the address below. Applications can be submitted via e-mail to jcha@u.washington.edu or in paper form to: James C. Ha, Regional Primate Center, University of Washington, Box 357330, Seattle, WA, USA, 98915-7330. Questions about the competition should be directed to Dr. Ha at these addresses.

2000 WARDER CLYDE ALLEE COMPETITION

The Warder Clyde Allee Competition for Best Student Paper will take place at the 2000 Annual Meeting at Morehouse College 5 - 10 August, 2000. Eligible students are encouraged to participate.

Eligibility requirements: Any independent student research (including, but not limited to, the doctoral dissertation) most of which is unpublished at the time of submission for the session is eligible. The work presented may be part of a larger collaborative effort, but the student should have the principal responsibility for the conceptualization and design of the research, collection and analysis of data and interpretation of results. Only single-authored papers are eligible. Entrants cannot have completed defense of the doctoral dissertation before the preceding ABS annual meeting (June 1999) and an individual can enter the Allee Competition only once per lifetime.

To enter: Students must indicate their desire to be considered for the competition by checking the appropriate box on the abstract submittal form for the annual meeting, submit a written version of their paper which includes their addresses, telephone numbers and e-mail addresses, fill out a signed and dated form indicating that they meet all eligibility requirements (to be supplied to entrants after receipt of their written papers), present a spoken version during the 2000 Annual Meeting, attend both the Allee welcoming dinner on the evening before the competition day, and attend the banquet during the Annual Meeting. The spoken portion of the competition is limited to 18 students. If more than 18 students enter, the Allee Judges will select the best 18 submitted papers for the spoken paper session and further eligibility. Four (4) copies of a written version of no more than 7 double-spaced text pages and no more than a total of 4 tables and/or figures (this limit does not include abstract, references or acknowledgments) must be received by Dr. Michael D. Beecher, ABS Allee Competition Chair, Department of Psychology, Box 351525, University of Washington, Seattle, WA 98195 USA by the due date for submission of abstracts for the annual meeting. **THOSE INTERESTED IN THE COMPETITION SHOULD BE SURE TO CHECK THE DEADLINE DATE FOR ABSTRACT SUBMISSIONS FOR PAPERS AT THE ANNUAL MEETING.**

If significant new results arise after submission, students may submit a one page addendum to their papers up to 30 days before the first day of the Annual Meeting.

Questions should be addressed to Michael Beecher (e-mail: beecher@u.washington.edu).

1999 BANQUET ADDRESS

By Donald Dewsbury

It is interesting to be in a situation similar to that of Aubrey Manning at the 1975 meeting in Wilmington. He was to give the hour-long keynote address in a campus auditorium following the banquet. The banquet was at a local seafood restaurant. The service was as slow as copulating Antechinus, causing two things to happen. The many people who did not attend the banquet sat for over an hour waiting for the rest of us to return. Those at the banquet filled the delay, as you would expect, with drinking. When the talk finally began Aubrey faced an audience half of which was angry at the wait and half of which was sloshed. He responded by reaching into his pocket for a can of beer, popping it open, taking a swig, placing it on the podium, and beginning his talk. He had the audience in the palm of his hand.

I expect no such audience but I would like to say a few words about my experience here at Bucknell and in the Animal Behavior Society. I first came here to the friendly 300 acres over 40 years ago. I started as a Chemical Engineering, then a Chemistry major, and did fairly well for a couple of years, when I took my first philosophy course and sought something more relevant than was chemistry to the questions I was discovering. My naive approach was to make an appointment with the Chair of the Psychology Department, Wendell Smith, hoping to get some job counseling. I did not realize that he was actually a comparative psychologist. His advice was interesting. Become a psychology major, skip Introductory Psychology, as it only destroys interest, and go right to advanced courses. Read this newly published comparative textbook, edited by Waters, Rethlingshafer, and Caldwell, and work with me on an imprinting experiment with young chicks. I took his advice and, though the chicks never arrived, I have been a comparative psychologist ever since.

Psychology and animal behavior have a long history at Bucknell. William Bucknell was persuaded to provide financial support in 1881 by the third president of the University of Lewisburg, David Jayne Hill. Hill added psychology courses to the curriculum and, in 1888, published an introductory text, *The Elements of Psychology*. There, like others of his time, he wrote of the human instincts and the role they played in providing a core around which human development occurs. The first comparative psychology course was given in the Biology Department in the 1890s. Frederick Lund, a faculty member from 1927-1930 who had worked with Walter Bradford Cannon, was an acknowledged authority in the psychology of emotion.

One of my teachers, Philip Harriman, was a noted author of dictionaries and encyclopedias in psychology, came here in 1930. My early experiences were with Harriman, Smith, Bill Carr, and John Braun. Wendell Smith published numerous articles on such topics as animal social behavior, hoarding in rodents, and behavioral development, particularly in fowl. Some of the work was done here jointly with Sherman Ross, later of Howard University. Bill Carr is well known for his research on food aversions and the role of pheromones in social and sexual behavior in rodents.

My first research experience was with John Braun, who had never worked with rats before. Of course, he left me to uncrate the first shipment. I am glad there are no tapes of me wearing a thick glove and trying to get the first shipment of ferocious- appearing rats out of the carton; a published yearbook photo is bad enough. I barely managed to avoid squeezing any to death.

For my senior year here, a young psychologist joined the faculty. Doug Candland was a recent Ph.D. fresh from a postdoc at Virginia and brought a new perspective. He became a mentor and life-long friend. He even is a lover of both opera and baseball! This year the ABS honored Doug with its Teaching Award; he is most deserving.

It was at Bucknell that I met my future ex-wife and to Bucknell that we later sent our son, thus depleting the family treasury. As I am sure many of you have seen, after I left, Doug, along with Hulda Magalhaes, Jack Harclerode, Carl Helms, and others, has built a remarkable animal behavior program here. Since its inception in 1968, there have been about 387 students who received bachelor's degrees and another 32 who received Masters' degree in animal behavior. Few schools of comparable size can boast facilities and research opportunities approaching those of Bucknell University.

Meanwhile I moved on. Doug helped me get a summer fellowship at the Jackson Lab in Bar Harbor following my senior year here. I then went to the University of Michigan. On Doug's unconventional, but excellent, advice I turned down a fellowship in favor of an assistantship. He advised that it would get me into research sooner. In addition to my psychology courses at Michigan, I took animal behavior courses with Dick Alexander and others at the Museum. My fellow students were people like Steve Emlen, Hugh Dingle, Mary Jane West, and Dave Bentley. Dick once told me that I would never think like a biologist but that I should at least read Ernst Mayr's *Animal Species and Evolution*, which was a big help. When I received my Ph.D. for a

dissertation with electric fish, I was far from being a skilled animal behaviorist.

A year at Berkeley with Frank Beach helped. There, I got to know people like Peter Marler, Fernando Nottebohm, Kathy Ralls, Tom Struhsaker, Burney LeBoeuf, Sherwood Washburn, and Norm Adler. After Berkeley, I was able to get a job at the University of Florida, where I have been ever since. Some of us just can't seem to get another job!

This is the second ABS meeting at Bucknell. The pre-history of the ABS begins with a 1946 Conference on Genetics and Social Behavior at the Jackson Labs. This eventually led to the formation of a Section of Animal Behavior and Sociobiology of the Ecological Society of America in 1956 and a Division of Animal Behavior of the American Society of Zoologists in 1958. John Paul Scott was the first Chair. The Animal Behavior Society as a separate entity emerged full-blown from these parents at the AAAS meeting in Montreal in December, 1964. I heard of the meeting but was busily working on my dissertation and unable to attend. I did eventually join the Society, however. When the founders gathered at the 20th anniversary meeting, I joined in as an imposter. The ABS has grown and prospered. As I drive around town, I am amazed at the number of new cars bearing the ABS logo on them! [Though some people think this refers to Anti-Lock Brakes]

My first meeting was in Boston in 1969. By my count I have authored or co-authored some 43 papers at ABS meetings. In my 30 years with the ABS I have seen many changes. We have grown of course, but the main changes have been in the kind of work presented at the meetings rather than the number of papers. The shift, in my view, has been from a more balanced interest in Tinbergen's four questions: immediate causation, development, evolutionary history, and adaptive function, to an emphasis on the latter. If I asked an ABS attendee in 1973 why a behavioral pattern occurred, I would probably have been asked which of these four kinds of questions I was asking. If I asked the same question today, however, I would almost certainly receive an answer in terms of adaptive function. There has been a bit of a resurgence of interest in proximate questions in recent years but, for the most part, when questions of proximate causation have been asked they have been framed in the context of furthering an understanding of adaptive function rather than as valid questions in and of themselves. These functional questions are exciting and the scientific quality of the meetings is generally very high. However, I lament the loss of diversity that was here previously.

Aperiodically, an anonymous group of ABS members published *Animal Misbehaviour*, and distributed at the meetings. I have seen none in recent years. I thought that perhaps we have lost the ability to laugh at ourselves but an evening session at this meeting suggests a welcome reversal of this trend. The ability of ABS members to dance, and to tolerate loud music, clearly have improved over the years.

I have held numerous offices in the Society, including those of treasurer, historian, and president. That means mainly that I have spent many hours in executive committee meetings.

When I was elected treasurer in 1973 I traveled to Virginia Tech to receive the records of the Society from my predecessor, Paul Siegel. I remember most two things from that trip. First, as Paul was a Professor in the Department of Poultry Science, I had the best smoked turkey I have ever tasted. Second, Paul told me the story of his stewardship as treasurer. The Society was founded by a group of gentleman-scientists who did not want to dirty their hands with the nitty-gritty details of finances. These were managed by a Chicago lawyer. When Paul took over, however, he asked to see the books and studied them carefully. He found many irregularities. For example the Society was being billed for deceased members and some who may never have existed. Worse still, we were nearly bankrupt and the officers did not know it. This scenario has also been experienced by other societies. Of course, the officers fired the manager and the affairs of the Society were placed in the hands of the elected officers.

Recently, we have established a central office for the ABS. I think this is a splendid idea as the job of handling the work of the growing society was getting to be too burdensome for full-time academicians. Further, I have full confidence in those now running the office. I don't think that most ABS members appreciate all that they do. I wish to issue a warning, however. The treasurer, executive committee, and membership need to keep close control over the central office as it evolves. The potential for abuse is heightened when administration is centralized and removed from the hands of those most affected. Mark Twain quipped that history does not repeat itself but it rhymes. It could happen again here. I cherish my many memories of ABS meetings. There have been many barbecues and banquets. A highlight is always the high quality of student papers in the Allee competition. I have met many outstanding animal behaviorists, including Europeans such as John Maynard Smith, Amotz Zahavi, Renke Eibl-Eibesfeldt, Richard Dawkins, and William Hamilton. I have seen many fine posters and heard

many fine papers. There has been great fellowship. This remains a strong and vibrant society. My experiences at Bucknell and in the ABS have been among the highlights of my life-- though neither has yet surpassed Bobby Thomson's 1951 home run.

ANIMAL BEHAVIOR SOCIETY ANNUAL MEETINGS

2000: 5 - 10 August at Morehouse College, Atlanta, GA.

Watch the [ABS website](#) for details.

MEETINGS

North East Regional Animal Behavior Society (NERABS) fall 1999 meeting is being held on the C.W. Post campus of Long Island University, November 5-7, 1999. A formal announcement with registration materials and abstract form will be mailed to all NERABS members at the end of August and will also be available on the ABS web page. C.W. Post is located in Brookville, NY on Long Island, about 30 minutes east of Manhattan. For more information contact Matt Draud at 516-299-3040 or email to mdraud@liu.edu.

Chemical Signals in Vertebrates IX, Cracow, Poland. 25-30 July, 2000. Contact: Dr Anna Marchlewska-Koj, Institute of Environmental Biology, Jagiellonian University, Ingardena 6, 30-060 Cracow, Poland. Tel/Fax: +48 12 633 40 03; be-mail: csv@eko.uj.edu.pl; <http://darwin.iz.uj.edu.pl/csv/>

First Meeting of Association Francophone d'Éthologie et d'Évolution will be held in Rennes, France from August 31st to September 3rd 1999. English is definitively the primary international language to communicate and do science, and will remain so for a long time. However, we do believe that other international languages can provide a stimulating alternative for scientific communication in some contexts. That is why we warmly invite those of you who wish to use or practice their French in a scientific context to join us in an international exchange of scientific ideas in behaviour, evolution and ecology at the very first meeting of 1' AFÉÉÉ. The organizers will make sure that all facilities are provided to ease communication in French. So, don't worry about your rusty French, just come along. For more information contact: Dr. Michel Vancassel UMR 1853, CNRS, Université de

Rennes 1, Campus de Beaulieu, 35042 Rennes, France, or consult the AFÉÉÉ web site at <http://www.er.uqam.ca/nobel/afeee/>

ANNOUNCEMENTS

The Committee for the National Institute for the Environment (CNIE) has launched an Environmental Research Information Exchange (ERIE) service which provides a forum for researchers, educators, resource managers, agency decisionmakers, foundation representatives, journalists, librarians and others in all environmental fields to share information and discuss issues. The service is part of the CNIE National Library for the Environment located at <www.cnie.org>. ERIE is intended for: Managers and decisionmakers to present research needs (funded and unfunded) or search for expert knowledge. Researchers and students, to locate research opportunities, collaborators or funders. Funders to advertise opportunities. All to share scientific information about the environment. ERIE will provide many services to help you to find answers to your questions, solutions to your problems, and colleagues you may not know about: Bulletin Board for participants to post messages, questions and answers- organized by environmental topics. Highlights Page where selected research opportunities discussed by participants will be posted. Links and lists of funding opportunities. Outreach Service. The Committee for the National Institute for the Environment will share selected requests with its network of thousands of scientists, managers, and others. Contact David E. Blockstein, Ph.D., Senior Scientist, Committee for the National Institute for the Environment, 1725 K St. NW Suite 212 Washington, DC 20006-1401. Tel: 202-530-5810 fax 202-628-4311; e-mail: David@cnie.org, website: <http://www.cnie.org>.

OPPORTUNITIES

The Secretary would like to remind you that although I try to avoid listing situations that are already filled, the time lag between submission and arrival of the Newsletter can cause this to occur. Please contact those offering the opportunities before applying.

The Department of Psychology at the University of Iowa plans a tenure-track appointment in the area of Behavioral and Cognitive Neuroscience, beginning in the academic year 2000. The Department of Psychology is currently experiencing a period of rapid growth and enhancement, including a \$4 million renovation of the animal and human laboratory facilities.

Appointment is expected at the level of assistant professor, but outstanding senior individuals will also be considered. Candidates with strong research records in any subfield, regardless of subject species or level of analysis, are encouraged to apply. We begin the review process on October 1, 1999, although applications will be accepted until the position is filled. Applicants should send a curriculum vitae, copies of their most important scholarly papers, a research statement, and three letters of recommendation to: BCN Search Committee, Department of Psychology, E11 Seashore Hall, University of Iowa, Iowa City, IA 52242-1407. Candidates may wish to visit our web page [<http://www.psychology.uiowa.edu/>] for more information regarding the department, current neuroscience faculty, as well as life in Iowa City. AA/EOE

Volunteers - Approximately 30 volunteer positions are open annually at the American Museum of Natural History's Southwestern Research Station in Portal, Arizona. The volunteer program is run annually and offers students in biological sciences outstanding opportunities to observe and become involved with field research. Food and lodging are provided in exchange for 24 hr per week of routine chores, with the remaining time available for research. The program is open to undergraduate and graduate students; the latter may pursue their own research. Volunteers are needed between March 15 and Nov. 1. Appointments are for part of this period, with a minimum of six weeks. Applicants for spring (March-May) should submit applications by Feb. 15, summer volunteers (June-August) by April 1 and fall volunteers (Sept. - Nov.) any time. Dr. Wade C. Sherbrooke, Director, Southwestern Research Station, American Museum of Natural History, Portal, AZ, 85632, USA. Phone (520) 558-2396; e-mail: swrs@amnh.org.

MINUTES

THE ANIMAL BEHAVIOR SOCIETY ANNUAL BUSINESS MEETING

JUNE 26 - JULY 1, 1999

BUCKNELL UNIVERSITY

LEWISBURG PENNSYLVANIA, USA

1. The meeting was called to order by President West at 10:20.
2. A motion to approve the minutes of the 1998 Business Meeting was seconded and approved.
3. Michael Pereira reported that the meeting is running smoothly thus far.
4. President West reminded the membership that the 2000 meeting would be held at Morehouse University in Atlanta Georgia.
5. Lynne Houck described planning for the 2001 annual meeting at Oregon State University in Corvallis, Oregon. The dates will fall in mid July.
6. Michael Renner presented the ABS outstanding teaching award to Dr. Douglas K. Candlan.
7. Society Officers and Officers-Elect were introduced by President West. Committee Chairs were then introduced. Also introduced were Ramey (Managing Editor) and Duncan (Webmaster).
8. Linda Rayor (Public Affairs Committee Chair) requested that the membership complete the ABS outreach survey which is posted on the web. Interest is in voluntary outreach efforts.
9. We now have our own domain (animalbehavior.org) and our website is undergoing growth and development. If you wish to participate please contact Shan Duncan.
10. Steve Ramey indicated that membership is stable and that the Society is fiscally healthy. We awarded more than \$15,000 in research awards.
11. Editor Galef indicated that *Animal Behaviour* is healthy, editing is going well, the backlog is short. The Central Office has run well, and the Editors have done an outstanding job.
12. Parliamentarian Sullivan recommended a change in dues structure as set out in item 16 of the Executive Committee meeting held on June 26, 1999. Item 16 was presented as a motion to amend the Bylaws. The motion was seconded and passed.
13. The Executive Committee is exploring the possibility of converting the position of Executive Editor from an elected to an appointed position. Suggestions and feedback are solicited from the membership.
14. A motion to adjourn at 10:50 was seconded and approved.

EXECUTIVE COMMITTEE MEETING

JUNE 26, 1999

Officers Present: Foster, Galef, Gowaty, Ha, Martins, Scott, Sih, Sullivan, West, Yasukawa.

Officers-elect Present: Adamo, Beecher, Shuster

Committee Chairs and Liaisons Present: Bendix, Chaiken, Fewell, Mench, Mercado, Perelle, Rayor, Renner, Taylor (for Forthman), Wright, Zawistowski.

Others Present: Duncan (Webmaster), Ramey (Managing Editor, *Animal Behaviour*).

1. The meeting was called to order by President West at 8:45 AM.
2. A motion to approve the minutes of the 1998 Executive Committee Meeting was made, seconded and passed.
3. A motion to appoint Carol Berman as an Editor of *Animal Behaviour* was moved, seconded and approved.
4. First President Elect Andy Sih was directed to form an *ad hoc* committee on web policy.
5. At 10:30 a motion to enter executive session was made, seconded and passed.
6. At 1:00 PM a motion to enter open session was made, seconded, and passed.
7. Michael Pereira reported that the meeting is running smoothly thus far and expected a registration of about 500. There were some financial concerns related to an unusually large number of student registrants, and to registrants living off campus, both of which reduce revenues for a rolled in banquet fee.
8. Duane Jackson and Larry Blumer described the facilities for the 2000 Annual Meeting at Morehouse College in Atlanta GA to be held August 5-10.
9. Lynne Houck described plans for the 2001 meeting at Oregon State University in Corvallis, Oregon. Initially planned for July 16-20 it probably will be rescheduled to begin on the preceding Sunday rather than on Monday.

10. Andy Richford announced that the journal is very healthy, with revenue up 9%, partly due to electronic subscriptions. Editorial interactions are running well and no increase in the number of papers to be published is planned this year. The time between acceptance and publication is down to 4-5mos and volumes have been slightly slimmer but fine.

11. The Investment Committee was directed to write a statement outlining goals of our investment strategy that can be posted on the website and used by auditors and accountants.

12. The Policy Committee was directed to write a policy statement to the effect that major changes in investment strategy/allocation must be approved by the Executive Committee.

13. The following motion was moved, seconded and approved in executive session and was read into the record following approval in executive session of a motion to do so: The Executive Committee believes that we lack the qualifications to oversee and participate in the certification process and recommends that the Animal Behavior Society be removed from the certification process by the 2000 Annual Meeting. We remain committed to, and enthusiastic about the field of applied animal behavior and desire to facilitate the activities in ways consistent with the mission of the Animal Behavior Society. To this end we will establish an ad hoc committee to deal with these issues and contribute \$1,000.00 for workshops and symposia to be coordinated with the Program Officer at the 2000 and 2001 Animal Behavior Society Annual Meetings.

14. The following motion was moved, seconded and approved in executive session and was read into the record following approval in executive session of a motion to do so: The President will form an ad hoc committee to investigate certifying applied animal behaviorists outside the purview of the Animal Behavior Society.

15. The following motion was moved, seconded and approved in executive session and was read into the record following approval in executive session of a motion to do so: To charge Policy and Organization and Bylaws Committee to examine ABS documents that deal with certification of applied animal behaviorists and prepare motions for the 2000 Animal Behavior Society.

16. The following change to the Bylaws was moved, seconded and passed. (proposed deletions shown in [] and proposed additions underlined).

Article 1 Dues Section 1: Annual dues for regular Members and Fellows shall be 150% of the costs to the Animal Behavior Society of printing and mailing the journal, *Animal Behaviour*. Annual dues for members who are students, Members Emeritus and Members from developing countries as defined in Policy (Research Grants) annual dues shall be 75% of the costs to the Society of printing and mailing the journal. Annual dues for Members who are students from developing countries shall be 45% of the costs to the Society of printing or mailing the journal. Annual dues for any Member who elects not to receive the journal shall be 50% of the costs to the Society of printing and mailing the journal. Dues shall be rounded down to the nearest dollar (U.S.)

[Article 1. Dues Section 1. Annual dues shall be (U.S.) \$46.00 for Members and Fellows. Annual dues for members who are students and Members Emeritus shall be (U.S.) \$23.00. Annual dues for members from developing countries as defined in Policy (Research Grants) shall be (U.S.) \$25.00 and (U.S.) \$15.00 for members who are students from developing countries. Dues may be changed by the Executive Committee as described in the Constitution Article 9 section 2.]

[Article 3. Two members of the same address who elect to receive only one subscription to the Society journal(s) shall be eligible for Joint Membership. Each member shall pay Society dues equal to the annual dues minus one-half the cost of the journal(s).]

17. A motion was seconded and approved directing the Organization and Bylaws Committee to develop language for Constitution and Bylaws changes by January 2000 that would change the position of Executive Editor to an appointed position.

18. A motion to approve and support (\$1,000 each) two symposia for the 2000 meeting was seconded and approved. The symposia are *Comparisons Between Primates and Cetaceans (Dolphins, Porpoises, and Whales)* proposed by Lori Marino and Brenda McCowan and *Dispersal Behavior: Variation in Movement Patterns and Decisions* proposed by Veronica Doerr.

19. A motion to adjourn was moved, seconded and approved.

EXECUTIVE COMMITTEE MEETING

JUNE 28, 1999

Officers Present: Foster, Galef, Gowaty, Ha, Martins, Scott, Sih, Sullivan, West, Yasukawa.

Officers-elect Present: Adamo, Beecher, Shuster

Committee Chairs and Liaisons Present: Bendix, Fewell, Mench, Nowicki, Perelle, Rayor, Renner, Taylor, Wright, Zawistowski.

Others Present: Dewsbury (Historian), Duncan (Webmaster), Ramey (Managing Editor, *Animal Behaviour*).

1. The meeting was called to order by President West at 7:35.
2. Peggy Hill gave a brief description of plans for the 2003 meeting in Tulsa, OK.
3. A motion to approve the 2001 meeting at Oregon State University was seconded and approved.
4. President West directed the formation of an *ad hoc* committee to develop a plan for a summit meeting (Summit 2000) to discuss issues in animal behavior. The members are A. Sih, M. West, S. Riechert, M. Beecher, J. Brockmann, L. Drickamer and C. Snowdon.
5. President West charged Ira Perell to determine the details of association with Amazon.com and to report to the Executive Committee via e-mail.
6. The following change to Policy was moved, seconded and passed. (proposed deletions shown in [] and proposed additions underlined): 5. Elections b.4. As per the Constitution, Article 3 and Article 8, Sections 3b and 3f, the President will determine the maximum number of new Fellows that can be elected in the year of the election using the membership total on December 31 of the previous year.
7. The following change to Policy was moved, seconded and passed. (proposed deletions shown in [] and proposed additions underlined): 9. Allee Award g. Membership of the Allee session judging committee shall not include graduate students or more than one member from the same institution.
8. The following change to Policy was moved, seconded and passed. (proposed deletions shown in [] and proposed additions underlined): 7. Annual ABS Meetings c. [No] travel funds will [be] not usually be provided for officers or committee chairs to attend the regular [independent] annual meetings except in special cases by presidential approval.
9. The following changes to Policy were moved, seconded and passed. (proposed deletions shown in [] and proposed additions underlined):
 11. Founders' Award c. The Poster Paper Award competition shall be conducted by the First President-elect of the Society. The First President-elect shall appoint a judging committee with four members, including her/himself as chair and no more than one member from any institution. The committee chair, with possible advice and assistance from the other judges and the previous chair, shall develop a set of criteria for judging posters.
 13. Research Grants a. The objective of the grants is to provide financial support for the biological study of animal behavior in the broadest sense, including studies at all levels of organization using descriptive and/or experimental methods under natural and/or controlled conditions. The Chairperson will attempt to maintain a diversity of research interests and experiences on the Research Grants Committee when appointing new members. In addition, no more than one member of the committee should come from any one institution.
10. The following change to Policy was moved, seconded and passed. (proposed deletions shown in [] and proposed additions underlined): 13. Research Grants j. Individuals may only receive one ABS research award during their lifetime.
11. The following change to Policy was moved, seconded and passed. (proposed deletions shown in [] and proposed additions underlined): 22. ABS Policy a. A list of long-term ABS Policy will be updated as needed by the PC chair under the supervision of the Parliamentarian [annually by the Parliamentarian from] based on the minutes of the recent annual meeting provided by the Secretary.
12. The following change to Policy was moved, seconded and passed. (proposed deletions shown in [] and proposed additions underlined): 16. Relationship to Affiliated Organizations c. [The AIBS Liaison, appointed by the President in consultation with the Executive Committee,] The president will act as AIBS Liaison and [will act as] ABS Delegate to the AIBS Governing Board and will summarize for the ABS membership those AIBS activities which are relevant to ABS members.
13. President West directed the Policy Committee to develop guidelines for our *ad hoc* Committee on Investments.
14. A motion to allocate \$1,000.00 to the Conservation Committee for speakers and workshops to be coordinated with the Program Officer at the 2000 and 2001 Animal Behavior Society Annual Meetings.
15. A motion to approve a slightly modified version of the budget proposed by Steve Ramey for Treasurer Zuk was seconded and approved.
16. A motion to enter closed session was moved, seconded and approved at 10:20 PM.
17. A motion to adjourn was moved, seconded and approved at 10:55 PM.

APPLICATION / RENEWAL for ANIMAL BEHAVIOR SOCIETY MEMBERSHIP

This is a (please check one):

- RENEWAL - **make any corrections beside mailing label at bottom of page.**
 - NEW MEMBERSHIP. **Print or type full name and mailing address at bottom of page.**
 - Begin my membership now (send back issues). Begin my membership January _____(year).
- Phone: _____ Fax: _____ E-mail: _____
- I would like ABS to send relevant mailings (e.g., ballots, renewal reminders) to me via e-mail. My correct e-mail address is _____. **YOUR E-MAIL ADDRESS WILL NOT BE SOLD OR DISSEMINATED TO OTHER ORGANIZATIONS EVEN IF YOU CHECK THIS BOX.**

MEMBERSHIP CLASS

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You may
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in advance. |
| (2) Student Member* | \$25 | <input type="checkbox"/> | |
| (4) Membership w/o Journal† | \$17 | <input type="checkbox"/> | |
| (5) Emeritus Member | \$25 | <input type="checkbox"/> | |
| (8) Newsletter Only (nonmember) | \$ 8 | <input type="checkbox"/> | |
| (9) Developing Nations Member | \$25 | <input type="checkbox"/> | |
| (10) Developing Nations Student | \$15 | <input type="checkbox"/> | |

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 Please send a receipt for tax purposes. Please acknowledge via e-mail.

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YOU MUST INCLUDE THIS (RENEWING Members may send photocopy of current ID instead)

† **Membership without Journal** does NOT include a subscription to the journal.

- The following nations shall not be considered **Developing Nations**: The United States, Canada, Israel, Japan, Australia, New Zealand, Iceland, Norway, Sweden, Finland, Denmark, Germany, The Netherlands, Belgium, Luxembourg, France, The United Kingdom, Ireland, Switzerland, Austria, Italy, Spain, and Portugal.

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