

# Human Ethology Bulletin

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## Contents

<b>BULLETIN STAFF &amp; POLICIES</b>	2
<b>Message from the Editor</b>	3
<b>NEW BULLETIN EDITOR</b>	3
<b><u>BOOK REVIEWS</u></b>	
<b>A. J. Figueredo &amp; P. S. A. Wolf review <i>The Ten Thousand Year Explosion</i> by G. Cochran and H. Harpending</b>	4
<b>G. Weisfeld reviews <i>Sex Machines</i> by Charles Muller and Peggy Sastre</b>	8
<b>NEW BOOKS</b>	12
<b>2009 Owen Aldis Awards</b>	13
<b>ISHE President's Message</b>	15
<b>ISHE 2010</b>	19
<b>Conference Report (Prague) by G. Weisfeld</b>	20
<b>Back Issue Information</b>	16
<b>ADDRESS CHANGES</b>	16
<b>Future of the <i>Human Ethology Bulletin</i>?</b>	17
<b>NEW MEMBERS</b>	17
<b>ANNOUNCEMENTS</b>	18
<b>CURRENT LITERATURE</b>	20
<b>FORTHCOMING</b>	25
<b>UPCOMING CONFERENCES</b>	26
<b>Membership &amp; Subscriptions</b>	27

## ISHE ELECTION RESULTS

The election for Vice-President/President-Elect and for one Trustee position ended on November 2. Tom Alley (Clemson University) and A.J. Figueredo (University of Arizona) were nominees for the office of Vice-President. Henry Harpending (University of Utah) and Bill McGrew (Cambridge University, UK) were the nominees for Trustee. Voting followed the call that was published in the last *Bulletin* for votes to be sent to the Membership Chair. Votes were received from 42 of 198 paid-up members who were eligible to vote.

For the position of Vice-President/President-Elect, **Tom Alley** won with a majority of 76% of the votes. He will take office January 1, beginning a 4-year term as Vice-President prior to assuming a 4-year term as ISHE President. The current Vice-President, **Wulf Schiefenhövel**, will replace **Glenn Weisfeld** as President of ISHE.

For Trustee, **Bill McGrew** won the election with a voting majority of 77% and will continue in office for another 4 years.

I congratulate both winners and thank everybody for their willingness to serve ISHE.

Astrid Jütte  
Chair, Nominations and Elections Committee

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**Back Issues** of the *Bulletin* may be ordered following the policy and pricing available in the most recent issue.

## Bulletin Policies

**Submissions.** All items of interest to ISHE members are welcome, including articles, responses to articles, news about ISHE members, announcements of meetings, journals or professional societies; etc. **Book reviews** and review inquiries may be sent to the Editor or to an Associate Editor. Guidelines for book reviews are available from any staff member and on the ISHE web site. Other types of submissions should be sent to the Editor. These include **Brief Communications** and **Brief Reports** which may cover such topics as teaching ethology, ethological methodology, human evolution, and evolutionary theory.

All submissions must be in English, and sent to the appropriate editor via email, preferably as an attachment. If email is impossible, hard copies will be accepted, as long as they are accompanied by the same text on CD-R (preferably in Microsoft Word format). All submissions, including invited contributions, are subject to editorial review. Some submissions are rejected, but political censorship is avoided so as to foster free and creative exchange of ideas among scholars. Submissions are usually reviewed only by members of the editorial staff, although outside reviewers are used occasionally. All submissions should be original, and are not to be published elsewhere, either prior to or after publication in the *Bulletin*, without permission from the Editor.

**Disclaimer.** The opinions expressed in the *Human Ethology Bulletin*, and any policy implications that might be inferred from them, do not necessarily reflect the views of the editorial staff or ISHE. Informed responses offering alternative views are welcome and can be sent directly to the Editor.

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## Message from the Editor

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This is the final issue of 2009 and, most likely, my last as chief Editor. As a consequence of winning the recent election for ISHE Vice President, I will relinquish this job, and the corresponding position on the ISHE Board of Officers. I do so with a mix of relief (more time!) and reluctance (I actually enjoy most aspects of the job, despite the substantial amount of time required). I thank the ISHE membership for your support during my 5 years as Editor, and the numerous people who have made contributions to the *Bulletin* over those years. I am also pleased and relieved that one of our Assoc. Editors, A. J. Figueredo, will be taking over the helm (see below).

There are a number of other important announcements to be made in this issue. These include announcing the winners of Aldis research awards for 2009, and of the incoming *Bulletin* Editor (see next section). In addition to these reports, this issue contains two book reviews and updated information about the next ISHE biennial Congress, scheduled for August, 2010 at the University of Wisconsin.

ISHE has also adopted a **new logo** (see above). This logo was on display at the Cambridge Darwin Festival (see report in the last issue), and Bill McGrew reported receiving positive comments about the logo. The logo is already on display at [www.ISHE.org](http://www.ISHE.org) and may adorn the front of this *Bulletin* beginning with the 2010 issues.

This issue includes a brief presentation on the tentative plans to transform the *Bulletin* into an on-line publication with additional content consisting

of peer-reviewed articles. If the *Bulletin* does become a quarterly journal, it now appears likely that the newsletter-type content (e.g., detailed information on ISHE conferences; election material) would be distributed separately by email (in a new *ISHE Newsletter?*). ISHE officers remain eager to hear advice and comments from members on this potential change.

Finally, the *Bulletin* staff extends a warm welcome to our new members, many of whom are listed in this issue beginning on p. 17.

– Tom Alley

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## New Bulletin Editor

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**Aurelio Jose Figueredo**, Ph.D., has been nominated and appointed as the incoming Editor in Chief of the *Human Ethology Bulletin*. Dr. Figueredo, known more informally as “AJ”, is currently an Associate Editor of the *Bulletin*. He is a Professor at the University of Arizona where he serves as Director of the graduate program in Ethology and Evolutionary Psychology (EEP) and as Co-Director of the graduate program in Program Evaluation and Research Methodology (PERM). His extensive publication record spans a variety of topics and areas, including behavioral development of life history strategy, sex, and violence in human and nonhuman animals; evolutionary psychology; and the quantitative ethology and social development of insects, birds, and primates.

It is anticipated that AJ will assume the Editor position in January. Beginning January 2010, correspondence for the Editor should be directed to Dr. Figueredo at: [AJF@u.arizona.edu](mailto:AJF@u.arizona.edu)

## BOOK REVIEWS

### **The Ten Thousand Year Explosion: How Civilization Accelerated Human Evolution**

By **Gregory Cochran & Henry Harpending**

Basic Books, New York, NY, 2009, xii + 288 pp.,  
ISBN 0465002218 [Hdbk, \$17.82]

Reviewed by: **Aurelio José Figueredo and  
Pedro Sofio Abril Wolf**

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Overall, we found this book to be very easy and entertaining to read. Among its many merits are that it is short and sweet and to the point. We used an earlier, prepublication version of this book that was generously provided to us by the authors as the first reading in a recent graduate seminar that the first author of this review taught on "Evolutionary Theories of Culture". The second author of this review was one of the graduate students in that course, and provides a student's perspective. Based on student feedback during class discussion, it was clear that the majority of them enjoyed the book and found it a valuable addition to the course. The text was used to prepare the students for the controversial concept of gene-culture coevolution, which requires an acceptance (at least in principle) of the possibility of significant human genetic change during historic time. The traditional view has long been that pure cultural evolution, without any associated genetic selection, has been dominant

during the last 10,000 years.

It is unfortunate that many researchers who study human evolution believe that human evolution during the Holocene (i.e., the last 10,000 years, as in the book's title) has not occurred. This book makes it clear that evidence for phenotypically significant Holocene genetic evolution is rapidly accumulating. Many Darwinian anthropologists and molecular geneticists concur with Cochran and Harpending that human evolution did not end with the close of the Pleistocene, but instead continued well into the Holocene (e.g., Irons, 1998; Hrdy, 1999; Evans, Gilbert, Mekel-Bobrov, Vallender, Anderson, Vaez-Azizi, Tishkoff, Hudson, & Lahn, 2005; Mekel-Bobrov, Gilbert, Evans, Vallender, Anderson, Hudson, Tishkoff, & Lahn, 2005). The 10,000 years or more since the inception of agriculture have been more than enough time for gene-culture coevolution to produce physiological and behavioral genetic adaptations to the dramatically altered conditions of existence (Lumsden & Wilson, 1981; Irons, 1998).

The authors make a strong empirical argument supporting the theory that evolution did not stop with the onset of the Holocene and, in fact, may have sped up during this period. For this reason alone, this book is an important contribution to the study of human evolution. For example, among the genetic changes during the Neolithic period cited by Cochran and Harpending are the evolution of genes for lactose tolerance and for resistance to malaria. Convergent evidence from other sources for such continuing gene-culture coevolution includes the finding that the geographic patterns of variation in the first principal component of gene frequencies for the six most important milk proteins in native European cattle breeds correlated both with the locations of European Neolithic cattle farming sites (-.75) and with the frequency of genes for lactose

tolerance (-.59) in modern Europeans, the distribution of cattle farming sites being correlated (.73) with the lactase persistence gene frequencies (Beja-Pereira et al., 2003). Similarly, the spread of genes for sickle-cell anemia was correlated with the spread of the malaria parasite, with its mosquito vectors, and ultimately with the clearing of patches of rainforest for the cultivation of yams in Africa (Durham, 1992; Coluzzi, 1999).

Given the massive changes in both morphology and behavior that have occurred in virtually all of our domesticated plants and animals in exactly the same time period (Palumbi, 2001), it is hard to believe that gene-culture coevolution did not produce any significant changes in humans during the Holocene (Lumsden & Wilson, 1981). Arguably, these domesticates changed our "Adaptively Relevant Environments" (Irons, 1988) as much as we changed theirs. There is substantial molecular genetic evidence for massive population expansions and migrations during the Holocene over many large areas of the world, typically correlated with innovations in, and intensification of, food production (Cavalli-Sforza, Menozzi, & Piazza, 1993, 1994).

The book is written in a lively fashion with a considerable amount of solid historical, archaeological, and molecular genetic evidence presented in support of continuing human genetic evolution during the last 10,000 years. The numerous particulars provided are well-documented ones that help not only to persuade the reader that recent human genetic evolution must have happened, but also to convince the reader that it did in fact demonstrably occur. On the other hand, we do have certain constructive criticisms of the book that we hope that the authors might correct in any future edition.

For example, the major claim made in Chapter 2 is that immigrant Cro-Magnon populations

may have experienced enough low-level interbreeding with Neanderthals so that a biologically meaningful number of Neanderthal genes found their way into the European gene pool. The implication is made that this selective introgression (the transfer of genes from another species) might account for some of the unique features of contemporary Europeans as opposed to non-Europeans. We believe that there is no need to base so much of their otherwise solid argument upon a hypothesis that is likely to be controversial in the light of the many recent molecular genetic findings that establish a very large genetic distance between modern humans and Neanderthals. As it stands, the hypothesis that Cro-Magnons interbred with Neanderthals appears (perhaps unnecessarily) to be a major premise for the arguments being made in the book, but the empirical evidence presented in this chapter in support is weak at best. However, we do not believe that agreement with the Neanderthal admixture theory is really necessary to the remainder of the argument.

There are very plausible alternative hypotheses to interbreeding with Neanderthals for the evolutionary changes in question, such as the relatively stable environment of the Holocene enabling the invention of farming as a mode of subsistence (e.g., Figueredo et al., 2007). This novel form of subsistence resulted in higher population densities, and both of these factors in combination provided novel and strong adaptive problems that resulted in an acceleration of human genetic evolution. In addition to being perhaps equally likely, this alternative hypothesis may be more palatable to many than the seemingly Eurocentric hypothesis of the incorporation of valuable Neanderthal genes as a major driver of this evolutionary change. In our opinion, the Neanderthal information was worth presenting but not to the extent it was emphasized in this chapter. Fortunately, the very next chapter does indeed emphasize the importance of the

agricultural revolution to recent human evolution.

Another problem with the current form of the book is an inconsistency of style. The book alternates between a very technical style and a very informal style in a way that may be a bit jarring to some readers. While we appreciate the evident effort on the part of the authors to write a book that will be both appealing and accessible to a broad readership, a sufficiently and consistently authoritative tone might have been preferable in our opinion.

The empirical examples given in the book are helpful, but we believe that they should be expanded upon in any future edition in order for a more general readership to be able to understand them adequately. Given that this is a relatively new topic of research, providing more information on the limited number of documented test cases of recent human evolution is particularly important.

Within the context of the graduate seminar in which we used this book, we found that reading this at the outset did much to dispel the common skepticism regarding the relative speeds of genetic and memetic/cultural evolution. The conventional wisdom is that memetic evolution is so much faster that cultural change leaves genetic change pretty much in the dust. This book does much to support the controversial position of Lumsden and Wilson (1981) that what is in fact occurring is a more symmetrical gene-culture coevolution and not the one-sided arms race proposed by Dawkins (1976), in which parasitic memes can have their way with our bodies. The book therefore helped set a more balanced tone at the beginning of the theoretical discussion and we strongly recommend it for that purpose.

## References

- Beja-Pereira, A., Luikart, G., England, P. R., Bradley, D. G., Jann, O. C., Bertorelle, G., Chamberlain, A. T., Nunes, T. P., Metodiev, S., Ferrand, N., & Erhardt, G. (2003). Gene-culture coevolution between cattle milk protein genes and human lactase genes. *Nature Genetics*, *35*(4), 1-3.
- Cavalli-Sforza, L. L., Menozzi, P., & Piazza, A. (1993). Demic expansions and human evolution. *Science*, *259*, 639-646.
- Cavalli-Sforza, L. L., Menozzi, P., and Piazza, A. (1994). *The History and Geography of Human Genes*. Princeton, NJ: Princeton University Press.
- Coluzzi, M. (1999). The clay feet of the malaria giant and its African roots: Hypotheses and inferences about origin, spread and control of *Plasmodium falciparum*. *Parassitologia*, *41*, 277-283.
- Dawkins, R. (1976). *The Selfish Gene*, Oxford: Oxford University Press.
- Durham, W. H. (1992) *Coevolution: Genes, Culture, and Human Diversity*. Stanford, CA: Stanford University Press.
- Evans, P. D., Gilbert, S. L., Mekel-Bobrov, N., Vallender, E. J., Anderson, J. R., Vaez-Azizi, L. M., Tishkoff, S. A., Hudson, R. R., & Lahn, B. T. (2005). Microcephalin, a gene regulating brain size, continues to evolve adaptively in humans. *Science*, *309*(5741), 1717-1720.
- Figueredo, A.J., Brumbach, B.H., Jones, D.N., Sefcek, J.A., Vásquez, G., & Jacobs, W.J. (2007). Ecological constraints on mating tactics. In Geher, G., & Miller, G.F., (Eds.), *Mating Intelligence: Sex, Relationships and the Mind's Reproductive System* (pp. 335-361). Mahwah, NJ: Lawrence Erlbaum.
- Hrdy, S. B. (1999). *Mother Nature: Maternal instincts and how they shape the human species*. New York: Ballantine Books.
- Irons, W. (1998). Adaptively relevant environments versus the environment of evolutionary adaptedness. *Evolutionary Anthropology*, *6*(6), 194-204.

Lumsden, C. & Wilson, E.O. (1981). *Genes, Mind, and Culture: The Coevolutionary Process*. Cambridge, MA: Harvard University Press.

Mekel-Bobrov, N., Gilbert, S. L., Evans, P. D., Vallender, E. J., Anderson, J. R., Hudson, R. R., Tishkoff, S. A., & Lahn, B. T. (2005). Ongoing adaptive evolution of ASPM, a brain size determinant in *Homo sapiens*. *Science*, 309(5741), 1720-1722.

Palumbi, S. R. (2001). *The Evolution Explosion: How Humans Cause Rapid Evolutionary Change*. New York: WW Norton & Company.

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**Pedro Wolf, M.A.**, is a graduate student at the University of Arizona in the Graduate Program in Ethology and Evolutionary Psychology. His major research interests are human evolutionary genetics and its relation to the evolution of human behavior.

## *Sexe Machines: 50 découvertes scientifiques qui changent nos idées reçues sur la sexualité*

*[Sex Machines: 50 scientific discoveries that are changing our ideas about sex]*

By **Charles Muller** and **Peggy Sastre**

Max Milo Editions, Paris, 2007, 215 pp., ISBN 978-2-35341-006-4 [Pbk, 16 €] *{in French}*

Reviewed by **Glenn Weisfeld**

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True to its title, this book is a collection of recent studies on human sexuality. Its sections are: sexual attraction, sexual pleasure, sex and the brain, hormones and pheromones, the ovulatory cycle, sexual orientation, and miscellaneous. An epilogue discusses the respective adaptive advantages of sexual and asexual reproduction; sexual selection and parental investment; reproductive arrangements in primates; polygyny; concealed ovulation; and sexual selection for intelligence and creativity.

Each study or group of studies is clearly described in two or three pages. Methodological details about the subjects and procedure are included. Relevant previous research is cited, and complete citations of the original articles are provided. The authors are, respectively, an author and editor of popular science, and a popular writer with a doctorate in science. I noticed no scientific errors—remarkable for a popular science book.

I found the selection of articles and interpretation of results to be excellent. This said, everyone has his or her favorites; I wish that the book described the underlying brain



mechanisms of gender identity (Zhou, 1995), observational studies of courtship (e.g., Moore, 1985; Grammer, 1991), and greater sexual arousability in women with a steady partner (Jütte et al., 1998). Notable, less well-known findings cited in the book include these:

- Women seek wealth in a husband more in wealthier cities than poorer ones (McGraw, 2002). (Note that this is a human study published by the journal *Ethology*.)
- 30% of men and women possess a polymorphism for strong sexual desire (Ben Zion et al., 2006).
- Semen seems to have an anti-depressive effect on women (Gallup et al., 2002).
- Sex may protect men against prostate cancer (Giles et al., 2003).
- Brain areas activated by thinking about a new lover are being identified and differ from those for sexual arousal (Aron et al., 2005).
- Smelling mother's milk increases a woman's sexual desire, possibly because the presence of infants indicates good conditions for reproducing (Spencer et al., 2004).
- Women who are in the fertile part of their menstrual cycle rate other women as less attractive (Maryanne Fisher, 2004).
- More than a hundred genes that affect the nervous system differ between men and women, so not all sex differences reflect sex-differentiated hormonal influences on the same brain structures (Mustanski et al., 2005).
- Female kin of gay men have high reproductive fitness, consistent with a genetic marker on the X chromosome for male homosexuality and compensatory greater fecundity in women (Camperio-Ciani et al., 2004).
- Homosexuals find the body odor of gays appealing, whereas for heterosexuals it is the opposite sex (Martins et al., 2005). Similarly, pheromones extracted from one sex activate

certain hypothalamic nuclei in heterosexuals of the opposite sex; but the hypothalami of homosexuals are activated by pheromones from the same sex (Berglund et al, 2006; Savic et al, 2005). Modesty does not prevent me from commenting that this supports previous findings, including our own (Weisfeld et al., 2003) cited in the book, that body odor preferences and aversions may influence sexual desire.

- Women reported the most past sexual experiences during a lie detector test, the next most if questioned anonymously, and the least if questioned by an examiner. Men showed no such differences (Alexander & Fisher, 2003). Previously, it had been assumed that men overstate their sexual experience and women are veridical.
- Gay men have larger penes on average than heterosexuals (Bogaert & Hershberger, 1999). If valid, this is an exceptional finding, in that most traits of homosexuals fall between those of male and female heterosexuals, or else resemble traits of the same sex.

I think this book is a model of popular science on human ethology. For a more-detailed and comprehensive review of research on sex, see Hines (2004).

## References

- Alexander, M.G., & Fisher, T.D. (2003). Truth and consequences: Using the bogus pipeline to examine sex differences in self-reported sexuality. *Journal of Sex Research, 40*, 27-35.
- Aron, A., et al. (2005). Reward, motivation, and emotion systems associated with early-stage intense romantic love. *Journal of Neurophysiology, 94*, 327-337.
- Ben Zion, I.Z., et al. (2006). Polymorphisms in the dopamine D4 receptor gene (DRD4) contribute to individual differences in human sexual behavior: desire, arousal and sexual function. *Molecular Psychiatry, 11*, 782-786.



- Berglund, H., et al. (2006). Brain response to putative pheromones in lesbian women. *Proceedings of the National Academy of Sciences*, 103, 8269-8274.
- Bogaert, A.F. & Hershberger, S. (1999). The relation between sexual orientation and penile size. *Archives of Sexual Behavior*, 28, 213-221.
- Camperio-Ciani, A., et al. (2004). Evidence for maternally inherited factors favouring male homosexuality and promoting female fecundity. *Proceedings of the Royal Society of London, B*, 271, 2217-2221.
- Fisher, M.L. (2004). Female intrasexual competition decreases female facial attractiveness. *Proceedings of the Royal Society of London, B*, 271, 283-285.
- Gallup, G.G., et al. (2002). Sexual activity and depression: Does semen act as an anti-depressant? *Archives of Sexual Behavior*, 31, 289-293.
- Giles, G.G., et al. (2003). Sexual factors and prostate cancer. *British Journal of Urology International*, 92, 211-216.
- Grammer, K. (1991). Strangers meet: laughter and nonverbal signs of interest in opposite-sex encounters. *Journal of Nonverbal Behavior*, 14, 209-236.
- Hines, M. (2004). *Brain Gender*. New York: Oxford University Press.
- Jütte, A., Bernhard, F., & Grammer, K. (1998). Hormonal changes underlying sexual responses in women and men. Paper presented at the convention of the International Society for Human Ethology, Burnaby BC, Canada, August.
- Martins, Y., et al. (2005). Preference for human body odors is influenced by gender and sexual orientation. *Psychological Science*, 16, 694-701.
- McGraw, K.J. (2002). Environmental predictors of geographic variation in human mating preferences. *Ethology*, 108, 303-317.
- Moore, M. (1985). Non-verbal courtship patterns in women: Context and consequences. *Ethology & Sociobiology*, 6, 237-247.
- Mustanski, B.S., et al. (2005). A genomewide scan of male sexual orientation. *Human Genetics*, 116, 272-278.
- Savic, I., et al. (2005). Brain response to putative pheromones in homosexual men. *Proceedings of the National Academy of Sciences*, 102, 7356-7361.
- Spencer, N.A., et al. (2004). Social chemosignals from breast-feeding women increase sexual motivation. *Hormones & Behavior*, 46, 362-370.
- Weisfeld, G.E., et al. (2003). Possible olfaction-based mechanisms in human kin recognition and inbreeding avoidance. *Journal of Experimental Child Psychology*, 85, 279-295.
- Zhou, J. (1995). A sex difference in the human brain and its relation to transsexuality. *Nature*, Nov. 2, 68-70.

**Glenn Weisfeld** received his doctorate in human development at the University of Chicago under Daniel G. Freedman. His current research concerns marital satisfaction across cultures. His theoretical interests include adolescence, pride and shame, and humor.

# New Books

Any qualified individual interested in writing a review of one of the following books, or any other recent and relevant book, should contact the Editor or an Associate Editor. Publishers, authors, and others may call attention to recently published or forthcoming books by sending information to the Editor.

Barash, D. P. & Lipton, J. E. Strange Bedfellows: The Surprising Connection between Sex, Evolution, and Monogamy. Bellevue Literary Press, 2009, 192pp. ISBN: 1934137200

Bekoff, M. & Pierce, J. Wild Justice: The Moral Lives of Animals. University of Chicago Press, 2009, 204pp. ISBN: 0226041611

Bribiescas, R. G. Men: Evolutionary and Life History. Harvard University Press, 2006, 320pp. ISBN 978-0674022935 {under review}

Chancellor, G. & J. van Wyhe (Eds.) Charles Darwin's notebooks from the Voyage of the Beagle. Cambridge University Press, 2009, 615pp. ISBN 978-0-521-517577

Chang, R. S. (Ed.) Relating to Environments: A New Look at Umwelt. [A volume in the series Advances in Cultural Psychology: Constructing Human Development]. IAP, 2009.  
<http://www.infoagepub.com/products/Relating-to-Environments>

Chemero, A. Radical Embodied Cognitive Science. MIT Press, 2009, 252pp. ISBN: 978-0-262-01322-2

Dixon, A. F. Sexual Selection and the Origin of Human Mating Systems. Oxford University Press, 2009, 232pp. ISBN: 0199559422

Fairbarin, D. J., Blanckenhorn, W. U., Szekely, T. Sex, Size, and Gender Roles: Evolutionary Studies of Sexual Size Dimorphism. Oxford, 2009, 280pp. ISBN: 0199545588

James, W., Allen, N., Callan, H., & Dunbar, R. Early Human Kinship. Wiley-Blackwell, 2008, 336pp. ISBN: 1405179015

Johanson, D. & Wong, K. Lucy's Legacy: The Quest for Human Origins. Harmony, 2009, 320pp. ISBN: 0307396398

Lillemyr, O. F. Taking Play Seriously: Children and Play in Early Childhood Education--An Exciting Challenge. IAP, 2009.  
<http://www.infoagepub.com/products/Taking-Play-Seriously>

McNamara, P., Barton, R.A., & Nunn, C.L. (Eds.) Evolution of Sleep: Phylogenetic and functional perspectives. Cambridge University Press, 2010, 277pp. ISBN: 978-0-521-894975

Meston, C. M. & Buss, D. M. Why Women Have Sex: Understanding Sexual Motivations from Adventure to Revenge (and Everything in Between). Times Books, 2009, 336pp. ISBN: 0805088342

Muller, M. N. & Wrangham, R. W. Sexual Coercion in Primates and Humans: An Evolutionary Perspective on Male Aggression Against Females. Harvard University Press, 2009, 504pp. ISBN: 0674033248

Renfrew, C., & Morley, I. Becoming Human: Innovation in Prehistoric Material and Spiritual Culture. Cambridge University Press, 2009, 324pp. ISBN-13: 978-0521876544

Reznick, D. N. The Origin Then and Now: An interpretive guide to the Origin of Species. Princeton University Press, 2010, 432pp. ISBN: 978-0-691-12978-5

Tomasello, M. Why We Cooperate. The MIT Press, 2009, 208pp. ISBN: 0262013592

Vanhonen, T. The Limits of Democratization: Climate, Intelligence, and Resource Distribution. Washington Summit Publishers, 2009, 382pp. ISBN: 1593680317

Wrangham, R. W. Catching Fire: How Cooking Made Us Human. Basic Books, 2009, 320 pp. ISBN: 0465013627

For a list of books (in all European languages) on human ethology, sociobiology, evolutionary psychology, Darwinian psychiatry, biopolitics, hominid evolution and related disciplines visit:  
<http://rint.rechten.rug.nl/rth/ess/books1.htm>

## 2009 Owen Aldis Scholarship Winners

The ISHE Board of Officers is pleased to announce the winners of Owen Aldis Awards for 2009. Each will receive up to \$8000 for research expenses and support for travel to the next ISHE congress. A good number of high quality submissions were considered and we thank all the applicants for their proposals. The evaluations were conducted by members of the Board of Trustees, assisted by some Officers, and chaired by John Richer, Chairman of the Board of Trustees. Proposals were read by at least three different judges who evaluated them against standards of both scientific merit and ethological relevance, and against the background of wishing to encourage research within the human ethological paradigm. Five proposals were selected as being the strongest and sufficiently so to merit awards. We offer our congratulations to the winners and look forward to hearing the presentations of their work at future ISHE congresses.

### **Manuela Beltrão Oliveira e Silva**

AV. VISCONDE DE SOUZA FRANCO, 1237/102  
UMARIZAL - Belem  
66053-000, PA – BRAZIL

[silvamanu@bol.com.br](mailto:silvamanu@bol.com.br)

### **Interaction patterns of mother-child in an Amazon Indian village: A comparison with the community Cameroon Nso**

\* \* \* \* \*

### **Michelle Kline**

Center for Behavior, Evolution, and Culture  
Department of Anthropology, UCLA  
Los Angeles, CA 90095-1553

[skliner@gmail.com](mailto:skliner@gmail.com)

### **The Evolution of Human Teaching Behavior**

\* \* \* \* \*

### **Leslie Anne Merriman**

Psychology Department, University of New Mexico, MSC03 2220  
Albuquerque, NM 87131-1161

[lmerriman@unm.edu](mailto:lmerriman@unm.edu)

### **Relationship Quality and Oxidative Stress in Men and Women**

\* \* \* \* \*

### **Jeffrey K. Snyder**

Center for Behavior, Evolution and Culture  
Department of Anthropology, UCLA  
Los Angeles, CA 90095-1553

[jksnyder@ucla.edu](mailto:jksnyder@ucla.edu)

### **Men's Dominance and Physical Formidability Predicts Systematic Variation in Mate-Guarding Behaviors**

\* \* \* \* \*

### **Kateřina Vávrová and Kateřina Ptáčková**

Department of Immunology and Department of Zoology, Faculty of Science,  
Charles University, Prague, Czech Republic

[K.vavrova@seznam.cz](mailto:K.vavrova@seznam.cz)

### **MHC - Correlated Preferences: Testing the Moderating Effect of the Menstrual Cycle and Partner Status**

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## President's Message

By Glenn Weisfeld

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My term will end 31 December. I am confident that Wulf Schiefenhövel will do a fine job in the office, and I wish him every good fortune. I know he will be assisted as strongly as I have been. I also want to congratulate Tom Alley on his election as Vice-President/President-Elect, Bill McGrew on his re-election as Trustee, and Aurelio-José Figueredo on his appointment as Editor of the *Bulletin*. Given these selections, I am very optimistic about the future of the society. I thank the other candidates for their willingness to serve.

I wish to express my gratitude to my colleagues on the Board of Officers and to the Board of Trustees, as well as to other contributors to ISHE. The successes of the past four years have been theirs much more than mine. Each and every one of them has been an eager and willing worker for ISHE, and we have operated smoothly and congenially together, especially recently. It has been one of the great privileges of my life to collaborate with such dedicated, idealistic, selfless volunteers in the service of our society and the Darwinian perspective. Their practical and moral support has been unflinching.

And so allow me to thank, first, the founders of ISHE: I. Eibl-Eibesfeldt, Bill Charlesworth, and the late Dan Freedman. Next I thank, in no particular order, the officers, Karl Grammer, Dori LeCroy, Tom, Astrid Jütte, Maryanne Fisher, and Wulf; the Trustees, Eibl, Peter LaFreniere, Johan van der Dennen, John Richer, and Bill McGrew; Tom's *Bulletin* staff, Maryanne, Aurelio-José, Aaron Goetz, and Johan; the organizers of the Madison congress, Russ Gardner, Wulf, Astrid, John, and Carol Weisfeld; and Peter, who organized the 2009 Maine summer institute. I hope the

membership appreciates how much time and effort go into publishing the *Bulletin*, managing finances, organizing meetings, judging competitions and proposals, maintaining the website, revising the constitution, and debating various issues as they arise. I should also mention the late Owen Aldis, whose bequest has allowed us to initiate and expand so many programs, and George Mealey, who led us to establish the Linda Mealey Award. These new programs have increased our leaders' work load, but it has been taken on eagerly by everyone. Thanks to all of you who are members of ISHE, especially those who voted in the recent election.

We now need to develop new leaders, since too much work now falls to too few. I urge those of you who wish to work for ISHE and promote human ethology to attend our congresses and publicize them and the society, conduct good evolutionary research and present it, submit book reviews or reports to the *Bulletin*, propose hosting a congress or summer institute, or suggest new ways of advancing the cause of human ethology.

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## Report on the International Anthropological Congress of Aleš Hrdlička

By Glenn Weisfeld

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This meeting was held in beautiful Prague, Czech Republic, 2 – 5 September 2009. This was a large meeting that included numerous symposia. The congress site was majestic and venerable Charles University. Founded in 1347, the university is the second-highest rated in Central and Eastern Europe, after Moscow University. The congress honored Aleš Hrdlička (1869 – 1943), an anthropologist and polymath.

Of particular interest to us ethologists was the symposium on **Nonverbal Aspects of Mate Choice and Courtship**, organized by Jan Havlíček. Jan is an ISHE member who received an Owen Aldis Award in 2003. One poster was presented by **Kateřina Vávrová** and **Kateřina Ptáčková**, who recently received an Aldis award from ISHE.

For the symposium on mate choice and courtship, the plenary talks were:

D. Perrett, I. Stephen, V. Coetzee, & M. Stirratt –  
The human face as a guide to mate choice

J.M. Bailey – Male sexual orientation: meaning,  
development, expression, and causation

Round table topics:

S.C. Roberts & A.C. Little – Where next for studies  
of physical attractiveness?

J.M. Townsend, J.B. Asendorpf, & J.M. Bailey –  
Measuring the magnitude of sex differences

Talks:

Z. Hurtová & V. Blazek – Relationship between  
resemblance of parents and partners

F. Kocsor, R. Rezneki, S. Juhász, & T. Bereczkei –  
Preference for self-resemblance in human mate  
choice

A.C. Little, B.C. Jones, L.M. DeBruine, & C.A.  
Caldwell – Social influences on facial  
attractiveness judgments

S.M. Kemp & J.E. Lycett – Relative contributions  
of face and body to attractiveness: analysis  
using eye-tracking technology

T.J. Wells, A.K. Dunn, & T. Baguey – A  
multilevel model approach to the study of  
male attractiveness in the presence of multiple  
signals

S.C. Roberts, A. Kravich, C. Ferdenzi, & J.  
Havlíček – Body odour predicts behavioural  
attractiveness in humans

J. Havlíček, J. Valentová, & J.M. Townsend – The  
tailor makes the man: the effect of subculture  
dress on attractiveness ratings—preliminary  
results.

S. Kozié, W. Kretschmer, & B. Pawlowski – Tattoo  
and piercing as signals of biological quality

A. Zelazniwicz & B. Pawlowski – Sociosexual  
orientation and men's preferences for women's  
breast size

D. Kohoutová, T. Saxton, & J. Havlíček – Changes  
of odour preferences during puberty

J.B. Asendorpf – From dating to mating and  
relating: Results of the Berlin speed-dating  
study

J.M. Townsend – Hook-ups and sex differences in  
mate preferences

K. Klapilová, V. Řezáčová, & J. Havlíček – The  
prevalence of infidelity in men's primary  
family can influence their extra-pair behaviour

G. Weisfeld, N. Nowak, L. Dillon, T. Lucas, C.  
Weisfeld, O. Imamoğlu, M. Butovskaya, & J.  
Shen – Laughter in marriage in five cultures

I. Murin – Nonverbal strategy of courtship in  
preliminary and postliminal sequences of  
wedding rituals

T. Schejbalová, K. Klapilová, J. Havlíček, & J.  
Lindová – Nonverbal behaviour of partners  
satisfied in their relationships

L. Novaková & V. Blazek – Facial resemblance  
enhances trust in preschool children

- A. Rubesová, S.C. Roberts, T. Saxton, & J. Havlíček – Accuracy of personality judgments on the basis of photographs and video recordings of an unknown individual
- V. Pivoňková, A. Rubešová, J. Lindová, & J. Havlíček – Men's facial masculinity and its relationship with the attribution of personality traits
- J. Valentová, J. Havlíček, G. Rieger, & J.M. Bailey – Attribution of sexual orientation, and masculinity-femininity in cross-cultural comparison

In addition to the above presentations, eleven posters were displayed, and a three-hour workshop on analysis of nonverbal behavior was conducted by J. Lindová. Some of the symposium papers will be published in a special edition of *Archives of Sexual Behavior*. Special thanks to Craig Roberts for informing congress attendees of ISHE.

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## The 20th Biennial Congress of the International Society for Human Ethology

[ISHE 2010]

1-5 August 2010

Madison, WI U.S.A.

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The 2010 ISHE Congress will be held at the University of Wisconsin, a leading research university. The program will feature keynote speakers, talks, posters, and symposia. Special events will include a reception dinner, banquet, and guided tours of the Wisconsin Primate Research Center and the Arboretum with its Indian Effigy and Burial Mounds. An art contest on the theme "Observing Human Behavior" will be held and the artwork displayed. Students who are first authors of accepted presentations will receive free registration, housing, and banquet fee. Cash awards will be given for the best poster and best student talks.



The University of Wisconsin

Lodging will be within easy walking distance from the meeting place (the Pyle Center). Transportation will be provided to tour locations and the banquet. Madison may be reached by connecting airlines or by bus from airports in Milwaukee (77 miles, or 124



km, away) and Chicago (122 miles, or 196 km, away).

### Keynote Speakers

- **David M. Buss**, University of Texas, USA
- **Heidi Keller**, University of Osnabrück, Germany
- **Patricia McConnell**, University of Wisconsin, USA
- **Toni Ziegler**, University of Wisconsin, USA

### **About Madison**

Madison is the state capital of Wisconsin and has about 230,000 residents. It is consistently rated as one of the most desirable, healthiest, and safest places to live in the U.S. Madison has the highest percentage of Ph.D.'s in the country, and is second in overall educational level. The city is nestled within five lakes, and centers on an isthmus anchored at either end by the capitol building and the university. The average daily high temperature in August is 79°F (26°C). Recently the city named as its official bird the indigenous plastic pink flamingo, which adorns many residential lawns. The city's nicknames include Mad City and the People's Republic of Madison. *The Progressive* magazine is published there.



Lake Mendota – Madison, WI

Cultural offerings are diverse and extensive. Live music is offered every night in coffee houses and wine bars. The High Noon Saloon is noted for indie rock. Rock and garbage [sic] are local favorites. Bars abound on State Street near campus, and the [Great Dane Pub & Brewing Company](#) can be found near the Capitol Square. Museums include the Chazen Museum of Art, Wisconsin State Historical Museum, and Children's Museum. Madison has an opera company, zoo, symphony orchestra, chamber orchestra, theatres, comedy clubs, campus bookstores, ballet, film festival, children's theatre, and an opera company that performs for children. Several Madison buildings were designed by Frank Lloyd Wright, including Monona Terrace, the convention center where our banquet will take place. A brief tour will be provided before the banquet.

The University of Wisconsin has long been famous for its party atmosphere, leftist politics, and sports teams, but it is one of the outstanding public universities in the country and is very well supported by its alumni. It has about 50,000 students. The university sends more students into the Peace Corps than any other U.S. university. The film *The War at Home* documents the anti-Vietnam War movement in Madison. The student union building was the first in the country and features a German-style Rathskellar and delicious ice cream, Wisconsin being The Dairy State.

### Registration

To register for the congress, please follow the Conferences link on the ISHE website. There are several payment methods. Student first authors are to register only after learning whether or not their abstract has been accepted. If their abstract is accepted, they are entitled to free registration, housing, and banquet fee. Student authors may apply for the Linda Mealey Award (\$2000 plus travel to the next congress) for best student talks.



**Accommodations**

Single (\$44 per night) and double (\$23 per night per occupant) rooms are available in a nearby student dormitory. Rooms are also being held at three even closer hotels. Two hotels offer free taxi service to and from the airport. Information on hotels can be found on the conference website.

**Transportation**

Two international airports serve the area: Milwaukee (MKE) and Chicago (ORD). Milwaukee is closer but has fewer connections. Chicago O'Hare (ORD) has many direct connections to international locations, and lies 2-3 hours from Madison by bus or rental car. There are frequent shuttle buses from O'Hare and Milwaukee airports (and also from downtown Chicago and downtown Milwaukee, respectively). The Madison (MSN) airport is a short taxi ride from the university and has connecting flights from Chicago.

**Important Dates**

- Registration now open
- 1 January—abstracts submission opens; see website
- 15 April—deadline for abstracts submission
- 15 May—acceptances of abstracts announced
- 2 June—late registration fee begins to apply; no refunds after this date
- 1 August—congress packets available; evening reception dinner at 6 PM (18.00); all congress events at the campus Pyle Center, 702 Langdon Street
- 2-5 August—talks begin at 9 AM each day
- 5 August—no talks after lunch at 12 noon

**Congress Organizers**

Russell Gardner, Jr., [rgj999@yahoo.com](mailto:rgj999@yahoo.com)  
Glenn Weisfeld, [ad4297@wayne.edu](mailto:ad4297@wayne.edu)

**Advisor of Students**

Carol Weisfeld, [weisfecc@udmercy.edu](mailto:weisfecc@udmercy.edu)

**Program Committee**

Wulf Schiefenhövel, Chair  
([schiefen@orn.mpg.de](mailto:schiefen@orn.mpg.de))  
Astrid Jütte  
John Richer  
Russell Gardner, Jr.

Additional information, maps and photos are available on the conference website:

<http://conferencing.uwex.edu/conferences/ishe/index.cfm>

A link to this website can be found at [www.ishe.org](http://www.ishe.org) under CONFERENCES.

**ADDRESS CHANGES:** Members wishing to make address changes or other changes in their membership information should send their requests to the ISHE Membership Chair, Astrid Jütte, at [astrid.juette@kli.ac.at](mailto:astrid.juette@kli.ac.at), or use the Chair's postal address as shown on the back cover of this issue.

### Back Issues

Back issues of the quarterly *Bulletin* can be ordered from the Editor as available. Pricing (US\$) is as follows:

- ◆ \$2/issue or \$4/year for **electronic** copies
- ◆ \$5/issue or \$16/year for **printed** copies (U.S. orders)
- ◆ \$7/issue or \$22/year for **printed** copies **mailed outside the U.S.A.**

Payment can be made to either the Treasurer or the Editor. Be sure to provide a complete mailing address and specify exactly which issues you are ordering.

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## HEB to Become an On-Line Journal?

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As previously announced (see *HEB*, 2009, #3, p. 22), the *Bulletin* staff and ISHE officers are considering transforming the *Human Ethology Bulletin* into an on-line publication **with additional content consisting of peer-reviewed articles**. It is also anticipated that some content now found in the *Bulletin* but that is more appropriate for a newsletter or mailing than a journal would be distributed via email, perhaps in an *ISHE Newsletter*, on a periodic or as needed basis. At this time, no final decisions have been made and the input and advice of members is being sought, but planning continues as ISHE Officers and other ISHE members have expressed substantial support for the idea.

**Members are encouraged to submit any questions, comments, advice or suggestions they may have on this potential major change to the *Bulletin*.** All responses from members can be sent to the *Bulletin* Editor at [Alley@Clemson.edu](mailto:Alley@Clemson.edu).

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## New Members

Jillian M. AUCOIN - Dept. Psychology, Saint Mary's University, Canada

John BARANOFF - Programa de Pós Graduação em Teoria e Pesquisa do Comportamento, Universidade Federal do Pará – UFPA, Brazil

Paco BERTOLANI - Dept. of Biological Anthropology, Leverhulme Centre for Human Evolutionary Studies

Regina C.S. BRITO - Nucleus of Theory and Research of Behavior, Para Federal University, Brazil

Holly Hall BYARS - Dept. of Journalism, Arkansas State University, USA

Graeme N. DEETH - Australia

Filippo DI SACCO - Pisa University, Italy

Lara ESCHLER - Social and Developmental Psychology, University of Cambridge, UK

Laura FORTUNATO - School of Biology, University of St Andrews, UK

Giuseppe GUAIANA - Organizzazione Sociopsichiatrica Cantonale, Clinica Psichiatrica Cantona, Switzerland

Gerolf HANKE - Germany

Ivana HROMATKO - Dept. of Psychology, Faculty of Humanities and Social Sciences, Croatia

Hila KEREN - Zoology, Tel Aviv University, Israel

Kristin KLINGAMAN - Dept. Anthropology, Durham University

Vladimir Vladimirovich KOSONOGOV - Psychology, Southern Federal University, Russian Federation

Sarah MATHEW - Dept. Anthropology, Center for Behavior, Evolution and Culture, University of California

Aline B.C. MENEZES - Nucleus of Theory and Research of Behavior, Para Federal University, Brazil

Carmen MONCAYO-ROSETO - Colombia

Deepa NATARAJAN - Dept. of Behavior Physiology, Biologisch Centrum, The Netherlands

Lenka NOVAKOVA - Dept. of General Anthropology, Faculty of Humanities, Charles University, Prague, Czech Republic

Andi E. PACURAR - Ethnomusicology, School of Oriental and African Studies, UK

Keila do Socorro da Silva REBELLO - Behavior Theory and Research, University of Pará, Brazil

S. Craig ROBERTS - School of Biological Sciences, University of Liverpool, UK

Sarah C. SHAW - Dept. Psychology, Saint Mary's University, Canada

Daniela SIEFF - UK

Sarah STROUT - Dept. of Psychology, Southern New Hampshire Univ., USA

Burgess WILSON - Dept. of Psychiatry, Rush Medical College, USA

Kerry WORTH - Dept. of Psychology, Saint Mary's University, Canada

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## ANNOUNCEMENTS

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**ISHE members seeking graduate students or postdoctoral appointees** are invited to submit material to inform and attract potential applicants for inclusion on the ISHE web site. Research interests, recent publications, etc. may be included, along with links to the person's department and personal or lab web pages. Such material can be sent to the ISHE Webmaster, Karl Grammer (see back cover).

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### New ISHE Facebook Page

In an effort to promote communication among members and provide information about current events, ISHE is now on the social networking site **Facebook**. Anyone can create an account for free, and once created, one can simply search for the "International Society for Human Ethology" group. We encourage ISHE members to join. Please note that the Facebook group may be moderated. Photos from the 2009 Summer Institute on Human Ethology in Maine have been posted on the site. The group already has over 110 members, including many ISHE members.

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### Margo Wilson (1942-2009)

**Margo Wilson**, a pioneer in the field of evolutionary psychology, passed away September 24. She was Professor of Psychology at McMaster University in Hamilton, Ontario and a Fellow of the Royal Society of Canada. Trained in primatology and behavioral endocrinology, she applied an evolutionary perspective to contemporary human problems. During the 1970s, Margo Wilson and Martin Daly began a long collaboration resulting in landmark studies on family violence, homicide, and kinship. They wrote *Sex, Evolution and Behavior: Adaptations for Reproduction* (1978, 1983), *Homicide* (1988), and *The Truth about Cinderella: A Darwinian View of Parental Love* (1999). Margo served as President of the Human Behavior and Evolution Society (HBES) and as Editor-in-Chief of the journal, *Evolution and Human Behavior*. In addition, she was an inspiring role model, an enthusiastic mentor, and an astute critic for many students and colleagues. Memorial donations may be given to the Canadian Royal Botanical Gardens and the Juravinski Cancer Centre Foundation.

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The **National Evolutionary Synthesis Center (NESCent)** is a collaborative effort of Duke University, the University of North Carolina and North Carolina State University and is sponsored by the National Science Foundation. NESCent is now accepting proposals for sabbatical scholars, working groups and catalysis meetings. Proposals for postdoctoral fellowships are accepted at the December 1 deadline only. Proposals for sabbatical scholars (up to a full year), working groups and catalysis meetings are accepted twice a year, with July 10 and December 1 deadlines. Proposals for short-term visitors (2 weeks to 3 months) are considered four times a year, with deadlines on January 1, April 1, July 1 and September 1. For more information, please see our website: <https://www.nescent.org/science/proposals.php>.

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## 2010 Annual Meeting of the NorthEastern Evolutionary Psychology Society (NEEPS)

The 4th Annual NEEPS Meeting will be held Friday, March 26th, through Sunday, March 28th, 2010. The meeting will be hosted by Dr. Glenn Geher and his students at the State University of New York at New Paltz. The keynote speakers will be Dr. Marlene Zuk of the Department of Biology at the University of California (Riverside), and Dr. Richard Wrangham of the Museum of Comparative Zoology at Harvard University. The deadline for abstract submission is January 5th, 2010. Please encourage your friends, students, and colleagues to participate. Should you have questions, please feel free to contact us.

Conference Host: Glenn Geher, PhD, SUNY New Paltz ([geherg@newpaltz.edu](mailto:geherg@newpaltz.edu))

Programming Committee Chair: Maryanne Fisher, PhD, St. Mary's University ([mlfisher@smu.ca](mailto:mlfisher@smu.ca))

For more information, see the NEEPS website: <http://neepsociety.com>

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## www.ISHE.org

The ISHE website has undergone some additional minor redesign, making it easier to find the archived issues from the home page, and now displaying our new logo. More past issues of ISHE *Newsletters* and *Bulletins* have been posted on the ISHE website. These **searchable** issues are in PDF format and can be found at:

<http://evolution.anthro.univie.ac.at/ishe/about%20us/bulletin%20contents/index.html>

Suggestions for content or design can be sent to the Webmaster at: [karl.grammer@univie.ac.at](mailto:karl.grammer@univie.ac.at)

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## Electronic Subscriptions

Would you like to receive the *Bulletin* sooner? ... up to 4 weeks sooner! Wish you had an electronic version to allow easier searching of the *Bulletin's* contents and easier filing of back issues? Want to see full color, higher resolution photographs in the *Bulletin*? ... You can easily make these wishes come true by requesting an electronic (PDF) subscription. Switching to an electronic version will get you the *Bulletin* faster and with full color photographs and working URLs. You can also feel good about this choice because an electronic subscription reduces the environmental impact of the *Bulletin* and saves ISHE the funds required for printing and mailing.

To request an electronic copy in place of the printed version, members should simply send their full name and e-mail address to the Membership Chair ([astrid.juette@kli.ac.at](mailto:astrid.juette@kli.ac.at)). Subscribers wishing a sample copy can ask for one from the Editor. The default for new and renewed *Bulletin* subscriptions is now an electronic subscription, although members who pay dues can still receive the printed version by requesting it at the time of renewal. At present, members now receiving the *Bulletin* in printed form will continue to do so until they renew or request otherwise.

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## Darwin Festival Pod Casts Available

Six presenters from the Cambridge Darwin Festival (see report in this issue) have made pod casts on the *Endless Forms* Exhibition. You can hear the reflections and observations of Paul Nurse, Philip Kitcher, Peter Crane, Robert May, Randy Nesse and John Brooke by following this link:

<http://www.darwinendlessforms.org/podcasts/#darwinifest>

Transaction Publishers will issue a series of books on *ANTHROPOLOGY AND HUMAN NATURE*. Prof. **Lionel Tiger** is the Series Editor and will be happy to respond to queries about the series or specific potential projects. He can be reached at [ltiger@anthropology.rutgers.edu](mailto:ltiger@anthropology.rutgers.edu).

*Human Nature* is now published by Springer. Springer offers a discounted subscription for 2008 to ISHE members. You can phone Springer at 1-800-SPRINGER, e-mail [service-ny@springer.com](mailto:service-ny@springer.com), or go to the website [[www.springer.com](http://www.springer.com)] to place a subscription order. Please identify yourself as an ISHE member. It is best to phone or email Springer to identify your affiliation with ISHE.

## CURRENT LITERATURE

*Compiled by Johan van der Dennen*

Alvard, M. (2009) Kinship and cooperation. *Human Nature*, 20, 4, Sp. Iss., 394-416. (Texas A&M Univ., Dept. Anthropol., College Stn, TX 77843, USA)

Archer, J. (2009) The nature of human aggression. *International Journal of Law and Psychiatry*, 32, 4, 202-208 (Univ. Cent. Lancashire, Sch. Psychol., Preston PR1 3TQ, Lancs., England)

Archer, J. (2009) Does sexual selection explain human sex differences in aggression? *Behavioral and Brain Sciences*, 32, 3-4, 249-311 [target article, many commentaries and author's response] (see above)

Archer, J. & Thanzami, V.L. (2009). The relation between mate value, entitlement, physical aggression, size and strength, among a sample of young Indian men. *Evolution and Human Behavior*, 30, 315-321 (see above).

Baker, M.D. & Maner, J.K. (2009) Male risk-taking as a context-sensitive signaling device. *Journal of Experimental Social Psychology*, 45, 5, 1136-1139. (Florida State Univ., Dept. Psychol., Tallahassee, FL 32306, USA)

Barber, N. (2009) From steroids to nation states: An integrated evolutionary approach to violent crime. *Aggression and Violent Behavior*, 14, 5, 415-422. (4229 Silver Ct., Birmingham, AL 35213, USA)

- Bown, O. & Wiggins, G. (2009) From maladaptation to competition to cooperation in the evolution of musical behaviour. *Musicae Scientiae*, Sp. Iss., 387-411. (Monash Univ., Ctr. Elect. Media Art, Dept. Informat. Technol., Clayton, Vic 3800, Australia)
- Boyd, R. & Richerson, P.J. (2009) Culture and the evolution of human cooperation. *Philosophical Transactions of the Royal Society B-Biological Sciences*, 364, 1533, 3281-3288. (UCLA, Dept. Anthropol., Los Angeles, CA 90095, USA)
- Brewer, G. & Riley, C. (2009). Height, relationship satisfaction, jealousy, and mate retention. *Evolutionary Psychology*, 9, 477-489 (Univ. Cent. Lancashire, Sch. Psychol., Preston PR1 3TQ, Lancs, England)
- Carvalho, S., Biro, D., McGrew, W.C. & Matsuzawa, T. (2009) Tool-composite reuse in wild chimpanzees: Archaeologically invisible steps in the technological evolution of early hominins? *Animal Cognition*, 12, Sp. Iss., Suppl. 1, S103-S114. (Univ. Cambridge, Dept. Biol. Anthropol., Leverhulme Ctr. Human Evolutionary Studies, Cambridge CB2 3DZ, England)
- Dean, R.T., Byron, T., Bailes, F.A. (2009) The pulse of symmetry: On the possible co-evolution of rhythm in music and dance. *Musicae Scientiae*, Sp. Iss., 341-367. (Univ. Western Sydney, MARCS Auditory Labs, Penrith, NSW 1797, Australia)
- DeScioli, P. & Kurzban, R. (2009) Mysteries of morality. *Cognition*, 112, 2, 281-299. (Chapman Univ., Econ. Sci. Inst., Orange, CA 92866, USA)
- Doyle, J. (2009). A woman's walk: Attractiveness in motion. *The Journal of Social, Evolutionary, and Cultural Psychology*, 3, 2, 81-92 (jamesfrancis@yahoo.com).
- Durrant, R. (2009) Born to kill? A critical evaluation of homicide adaptation theory. *Aggression and Violent Behavior*, 14, 5, 374-381 (Victoria Univ. Wellington, Inst. Criminol., Sch. Social & Cultural Studies, Wellington, New Zealand)
- Eastwick, P.W. (2009) Beyond the Pleistocene: Using phylogeny and constraint to inform the evolutionary psychology of human mating. *Psychological Bulletin*, 135, 5, 794-821 (Texas A&M Univ., Dept. Psychol., 4235 TAMU, College Stn, TX 77843, USA)
- Foley, R. & Gamble, C. (2009) The ecology of social transitions in human evolution. *Philosophical Transactions of the Royal Society B-Biological Sciences*, 364, 1533, 3267-3279 (Univ. Cambridge, Leverhulme Ctr. Human Evolutionary Studies, Fitzwilliam St, Cambridge CB2 1QH, England)
- Franklin, R.G. & Adams, R.B. (2009) A dual-process account of female facial attractiveness preferences: Sexual and nonsexual routes. *Journal of Experimental Social Psychology*, 45, 5, 1156-1159 (Penn State Univ., 436 Moore Bldg, University Pk, PA 16802, USA)
- Gatica-Perez, D. (2009) Automatic nonverbal analysis of social interaction in small groups: A review. *Image and Vision Computing*, 27, 12, Sp. Iss., 1775-1787 (Ecole Polytech. Fed. Lausanne, Idiap Res. Inst., Martigny, Switzerland)
- Gazzaniga, M.S. (2009) Humans: The party animal. *Daedalus*, 138, 3, 21-34 (Univ. Calif. Santa Barbara, SAGE Ctr. Study Mind, Santa Barbara, CA 93106, USA)

- Graham-Kevan, N. & Archer, J. (2009). Control tactics and partner violence in heterosexual relationships. *Evolution & Human Behavior*, 30, 445-452 (Univ. Cent. Lancashire, Sch. Psychol., Preston PR1 3TQ, Lancs, England)
- Hagen, E.H. & Hammerstein, P. (2009) Did Neanderthals and other early humans sing? Seeking the biological roots of music in the territorial advertisements of primates, lions, hyenas, and wolves. *Musicae Scientiae*, Sp. Iss., 291-320 (Washington State Univ., Dept. Anthropol., 14204 NE Salmon Creek Ave, Vancouver, WA 98686, USA)
- Haselton, M.G., Bryant, G.A., Wilke, A., Frederick, D.A., Galperin, A., Frankenhuus, W.E. & Moore, T. (2009) Adaptive rationality: An evolutionary perspective on cognitive bias. *Social Cognition*, 27, 5, 733-763 (UCLA, Dept. Commun. Studies, Box 951538, Rolfe Hall, Room 2322, Los Angeles, CA 90095, USA)
- Haslam, M., (+16 other authors, including McGrew, W.C.) (2009) Primate archaeology. *Nature*, 460, 339-344 (McGrew, W.C.: Univ. Cambridge, Dept. Biol. Anthropol., CB2 3DZ, Cambridge, United Kingdom)
- Hauser, M., McAuliffe, K. & Blake, P.R. (2009) Evolving the ingredients for reciprocity and spite. *Philosophical Transactions of the Royal Society B-Biological Sciences*, 364, 1533, 3255-3266 (Harvard Univ., Dept. Psychol., 33 Kirkland St, Cambridge, MA 02138, USA)
- Hendrie, C.A., Mannion, H.D. & Godfrey, G.K. (2009) Evidence to suggest that nightclubs function as human sexual display grounds. *Behaviour*, 146, 10, 1331-1348 (Univ. Leeds, Inst. Psychol. Sci., Leeds LS2 9JT, W Yorkshire, England)
- Hendrie, C.A. & Brewer, G. (in press). Kissing as an evolutionary adaptation to protect against Human Cytomegalovirus-like teratogenesis, *Medical Hypotheses*
- Ivanitsky, A.M., Ivanitsky, G.A. & Sysoeva, O.V. (2009) Brain science: On the way to solving the problem of consciousness. *International Journal of Psychophysiology*, 73, 2, Sp. Iss., 101-108 (Kotelnicheskaya Emb. 1-15, Bld. V App. 79, Moscow 109240, Russia)
- Jokela, M. (2009) Physical attractiveness and reproductive success in humans: Evidence from the late 20th century United States. *Evolution and Human Behavior*, 30, 5, 342-350 (Univ. Helsinki, Dept. Psychol., POB 9, FIN-00014 Helsinki, Finland)
- Kaplan, H.S., Hooper, P.L. & Gurven, M. (2009) The evolutionary and ecological roots of human social organization. *Philosophical Transactions of the Royal Society B-Biological Sciences*, 364, 1533, 3289-3299 (Univ. New Mexico, Dept. Anthropol., Albuquerque, NM 87131, USA)
- Kenrick, D.T., Giskevicius, V., Sundie, J.M., Li, N.P., Li, Y.J. & Neuberg, S.L. (2009) Deep rationality: The evolutionary economics of decision making. *Social Cognition*, 27, 5, 764-785 (Arizona State Univ., Dept. Psychol., Tempe, AZ 85287, USA)
- King, A.J., Johnson, D.D.P. & Van Vugt, M. (2009) The origins and evolution of leadership. *Current Biology*, 19, 19, R911-R916 (Zool. Soc. London, Inst. Zool., Regents Pk, London NW1 4RY, England)
- Kinney, D.K. & Tanaka, M. (2009) An evolutionary hypothesis of depression and its symptoms, adaptive value, and risk factors. *Journal of Nervous and Mental Disease*, 197, 8, 561-567 (McLean Hosp., Genet. Lab., 115 Mill St, Belmont, MA 02478, USA)



- Kinzler, K.D., Shutts, K., DeJesus, J. & Spelke, E.S. (2009) Accent trumps race in guiding children's social preferences. *Social Cognition*, 27, 4, 623-634 (Univ. Chicago, Dept. Psychol., 5848 S Univ Ave, Chicago, IL 60637, USA)
- Lafreniere, P. (2009) A functionalist perspective on social anxiety and avoidant personality disorder. *Development and Psychopathology*, 21, 4, Sp. Iss., 1065-1082 (Univ. Maine, Dept. Psychol., Orono, ME 04469, USA)
- Lehmann, C., Welker, L. & Schiefenhoewel, W. (2009) Towards an ethology of song: A categorization of musical behaviour. *Musicae Scientiae*, Sp. Iss., 321-338 (Univ. Munich, Inst. Mus. Paedag., Leopoldstr 13, D-80802 Munich, Germany)
- Lippa, R.A. (2009) Sex differences in sex drive, sociosexuality, and height across 53 nations: Testing evolutionary and social structural theories. *Archives of Sexual Behavior*, 38, 5, 631-651 (Calif. State Univ. Fullerton, Dept. Psychol., Fullerton, CA 92834, USA)
- Lynn, M. (2009) Determinants and consequences of female attractiveness and sexiness: Realistic tests with restaurant waitresses. *Archives of Sexual Behavior*, 38, 5, 737-745 (Cornell Univ., Sch. Hotel Adm., 552 Statler Hall, Ithaca, NY 14853, USA)
- Marlowe, F.W. (2009) Hadza cooperation. *Human Nature*, 20, 4, Sp. Iss., 417-430 (Florida State Univ., Dept. Anthropol., Tallahassee, FL 32306, USA)
- Martin, J.L. (2009) Formation and stabilization of vertical hierarchies among adolescents: Towards a quantitative ethology of dominance among humans. *Social Psychology Quarterly*, 72, 3, 241-264 (Univ. Chicago, Dept. Sociol., 1126 E 59th St, Chicago, IL 60637, USA)
- Massar, K., Buunk, A.P. & Dechesne, M. (2009) Jealousy in the blink of an eye: Jealous reactions following subliminal exposure to rival characteristics. *European Journal of Social Psychology*, 39, 5, 768-779 (Univ. Groningen, Grote Kruisstr. 2-1, NL-9712 TS Groningen, Netherlands)
- McIntyre, M.H. & Edwards, C.P. (2009) The early development of gender differences. *Annual Review of Anthropology*, 38, 83-97 (Univ. Cent. Florida, Dept. Anthropol., Orlando, FL 32816, USA)
- Meehan, C.L. (2009) Maternal time allocation in two cooperative childrearing societies. *Human Nature*, 20, 4, Sp. Iss., 375-393 (Washington State Univ., Dept. Anthropol., Pullman, WA 99164, USA)
- Molina, J.D., Lopez-Munoz, F., Stein, D.J., Martin-Vazquez, M.J., Alamo, C., Lerma-Carrillo, I., Andrade-Rosa, C., Sanchez-Lopez, M.V. & de la Calle-Real, M. (2009) Borderline personality disorder: A review and reformulation from evolutionary theory. *Medical Hypotheses*, 73, 3, 382-386 (Dr R Lafora Psychiat. Hosp., Psychiat. Serv., Carretera Colmenar Viejo, Km 13-800, Madrid 28049, Spain)
- Oberzaucher, E. & Grammer, K. (2009) Ageing, mate preferences and sexuality: A mini-review. *Gerontology*, 55, 4, 371-378 (Univ. Vienna, Dept. Anthropol., Ludwig Boltzmann Inst. Urban Ethol., Althanstr. 14, AT-1090 Vienna, Austria)
- Park, J., Newman, L.I. & Polk, T.A. (2009) Face processing: The interplay of nature and nurture. *Neuroscientist*, 15, 5, 445-449 (Polk, T.A.: Univ. Michigan, Dept. Psychol., 530 Church St, Ann Arbor, MI 48109, USA)

- Penke, L. (2009) An ethological perspective on how to define and study behaviour. *European Journal of Personality*, 23, 5, Sp. Iss., 421-423 (Univ. Edinburgh, Dept. Psychol., Edinburgh, Midlothian, Scotland)
- Price, J.S. (2009) Darwinian dynamics of depression. *Australian and New Zealand Journal of Psychiatry*, 43, 11, 1-9 (Odintune Place, Plumpton, East Sussex, BN7 3AN, UK)
- Rightmire, G.P. (2009) Middle and later Pleistocene hominins in Africa and Southwest Asia. *Proceedings of the National Academy of Sciences of the United States of America*, 106, 38, 16046-16050 (SUNY Binghamton, Dept. Anthropol., Binghamton, NY 13902, USA)
- Röder, S., Brewer, G. & Fink, B. (in press). Menstrual cycle shifts in women's self-perception and motivation: A daily report method. *Personality and Individual Differences*
- Rushton, J.P., Bons, T.A., Ando, J., Hur, Y.M., Irwing, P., Vernon, P.A., Petrides, K.V. & Barbaranelli, C. (2009) A general factor of personality from multitrait-multimethod data and cross-national twins. *Twin Research and Human Genetics*, 12, 4, 356-365 (Univ. Western Ontario, London, ON, Canada)
- Russell, R. (2009) A sex difference in facial contrast and its exaggeration by cosmetics. *Perception*, 38, 8, 1211-1210 (Gettysburg Coll., Dept. Psychol., Gettysburg, PA 17325, USA)
- Sapienza, P., Zingales, L. & Maestripieri, D. (2009) Gender differences in financial risk aversion and career choices are affected by testosterone. *Proceedings of the National Academy of Sciences of the United States of America*, 106, 36, 15268-15273 (Maestripieri, D.: Univ. Chicago, Dept. Comparat. Human Dev., Chicago, IL 60637, USA)
- Segal, N.L. (2009) Twin loss: The annual convention. *Twin Research and Human Genetics*, 12, 5, 519-522 (Calif. State Univ. Fullerton, Dept. Psychol., Fullerton, CA 92834, USA)
- Sell, A., Tooby, J. & Cosmides, L. (2009) Formidability and the logic of human anger. *Proceedings of the National Academy of Sciences of the United States of America*, 106, 35, 15073-15078 (Univ. Calif. Santa Barbara, Ctr. Evolutionary Psychol., Santa Barbara, CA 93106, USA)
- Twyman, A.D., Newcombe, N.S. & Gould, T.J. (2009) Of mice (*Mus musculus*) and toddlers (*Homo sapiens*): Evidence for species-general spatial reorientation. *Journal of Comparative Psychology*, 123, 3, 342-345 (Temple Univ., Dept. Psychol., 1701 N 13th St, Philadelphia, PA 19122, USA)
- Van den Broek, E.M.F. & Todd, P.M. (2009) Evolution of rhythm as an indicator of mate quality. *Musicae Scientiae*, Sp. Iss., 369-386 (Univ. Amsterdam, Ctr. Res. Expt. Econ. & Polit. Decis. Making, Inst. Biodivers. & Ecosyst. Dynam., Roetersstr 11, NL-1019 WB Amsterdam, Netherlands)
- Voracek, M., Fisher, M. & Shackelford, T.K. (2009) Sex differences in subjective estimates of non-paternity rates in Austria. *Archives of Sexual Behavior*, 38, 5, 652-656 (Fisher, M.: St Mary's Univ., Dept. Psychol., Halifax, NS B3H 3C3, Canada)
- Wells, T.J., Dunn, A.K., Sergeant, M.J T. & Davies, M.N.O. (2009) Multiple signals in human mate selection: A review and framework for integrating facial and vocal signals. *Journal of Evolutionary Psychology*, 7, 2, 111-139 (Nottingham Trent Univ., Division Psychol., Burton Street, Nottingham NG1 4BU, England)

- Wohlrab, S., Fink, B., Kappler, P.M. & Brewer, G. (2009). Perception of human body modification. *Personality and Individual Differences*, 46, 202-206 (Brewer, G.: Univ. Cent. Lancashire, Sch. Psychol., Preston PR1 3TQ, Lancs, England)
- Wohlrab, S., Fink, B., Kappler, P.M. & Brewer, G. (2009). Differences in personality attributions towards tattooed and non-tattooed virtual human characters. *Journal of Individual Differences*, 30, 1-5 (see above)
- Yamamoto, S. & Tanaka, M. (2009) How did altruism and reciprocity evolve in humans? Perspectives from experiments on chimpanzees (*Pan troglodytes*). *Interaction Studies*, 10, 2, Sp. Iss., 150-182 (Hayashibara Biochem. Labs. Inc., Great Ape Res. Inst., 952-2 Nu, Okayama 7060316, Japan)
- Zeigler-Hill, V., Campe, J.W. & Myers, E.M. (2009) How low will men with high self-esteem go? Self-esteem as a moderator of gender differences in minimum relationship standards. *Sex Roles*, 61, 7-8, 491-500 (Univ. South Mississippi, 118 Coll Dr 5025, Hattiesburg, MS 39406, USA)

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## FORTHCOMING in the *Human Ethology Bulletin*

### Book Reviews

- ***Emotion Science*** (Palgrave Macmillan, 2008) by Elaine Fox – reviewed by Candace J. Black and W. Jake Jacobs
  - ***Frozen Evolution*** (Charles University, 2008) by J. Flegr – reviewed by Catherine S. Reeve
  - ***Sensation Seeking and Risk Taking*** (American Psychological Assoc., 2007) by Marvin Zuckerman – reviewed by Thomas R. Alley
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## Upcoming Conferences and Meetings

[Numerous events in honor of Darwin's anniversary occur during 2009 (see article in the March 2009 issue). An extensive list of events is provided at:

<http://darwin-online.org.uk/2009.html>]

### **39th Annual Conference of the Society for Cross-Cultural Research**

**February 17-20, 2010**; Albuquerque, NM (USA)

<http://www.sccr.org/sccr2010/>

### **International Conference on Behavioral, Cognitive, and Psychological Sciences**

**February 26-28, 2010**; Singapore (Singapore)

<http://www.iacsit.org/bcps/index.htm>

### **Northeastern Evolutionary Psychology Society (NEEPS)**

**26-28 March 2009** – State University of New York at New Paltz (USA) – [see Announcements above]

<http://neepsociety.org/>

### **8th International Conference on the Evolution of Language (Evolang8)**

**April 14-17, 2010**; Utrecht (Netherlands)

<http://evolang2010.nl/>

### **Society for Biological Psychiatry**

**20-22 May, 2010** – New Orleans, LA, USA

<http://www.sobp.org>

### **Association for Psychological Science (APS)**

**27-30 May 2010** – Boston, MA

26-29 May 2011 – Washington, DC

24-27 May 2012 – Chicago, IL

<http://www.psychologicalscience.org/convention/schedule.cfm>

### **Canadian Psychological Association (CPA) Annual Convention**

**June 3-5, 2010**; Winnipeg, Manitoba (Canada)

<http://www.cpa.ca/convention/>

### **Biennial Meeting of the International Society for the Study of Behavioural Development**

**July 18-22, 2010**; Lusaka (Zambia)

<http://www.issbd.org/>

### **CIM10 Nature versus Culture**

**July 21-24, 2010**; Sheffield (UK)

<http://www.sheffield.ac.uk/cim10/>

### **ISHE Biennial Congress (ISHE2010)**

**1-5 August 2010** – Madison, Wisconsin, USA

{see information in this issue and on

[www.ISHE.org](http://www.ISHE.org)}

### **American Psychological Association (APA)**

**12-15 August 2010** – San Diego, California

4-7 August 2011 – Washington, DC

2-3 August 2012 – Orlando, Florida

31 July - 4 August 2013 – Honolulu, Hawaii

<http://www.apa.org/convention09/exhibitors/whyexhibit/future.html>

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