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ISHE THANKS TWO SUPERB FORMER OFFICERS

Muchos Gracias, Charles and Barbara

As we begin the new millenium, we pause and thank our outgoing president and treasurer for their six years of dedicated service. **Charles Crawford** who just completed his term as ISHE President also organized our very successful congress held at his Simon Fraser University near Vancouver, Canada in August 1998. He recently published Crawford & Dennis Krebs (Eds.), *Handbook of Evolutionary Psychology* (Lawrence Erlbaum, 1998). This anthology follows one of similar form, *Sociobiology and Psychology*, edited by Crawford, Martin Smith and Krebs (Erlbaum, 1988). In these works as well as articles in *American Psychologist* (1989, 44:1449ff), *Journal of Comparative Psychology* (1989, 103:4ff) and elsewhere, he has striven to introduce evolutionary thlnking to mainstream behavioral scientists. His own research has concerned anorexia nervosa, rape in animals, factors affecting grief intensity, variables in physical attractiveness, and patterns of bequeathing wealth to kin, among other topics. He has been very successful in mentoring students, many of whom have conducted outstanding research themselves. As President of ISHE, Charles was active, available, and astute. We are indebted to him for his many contributions and uplifting guidance.

Barbara Fuller, of the University of Colorado, unfortunately has been forced to resign as ISHE Treasurer for health reasons. She is to be credited with revolutionizing the job of Treasurer by taking on many responsibilities previously performed by the Bulletin editor or Membership Chair. She not only collected Society dues and handled payments and the

budget, as had previous Treasurers, she also maintained the membership list and prepared the mailing labels for the Bulletin. She modernized handling of the mailing list by instituting bar codes for American members, and she systematized communication of membership information to the editor, who mails out the Bulletin. A classically trained ethologist with a doctorate in nursing, Barb brought organizational skills, diligence, cheerfulness, and reliability to a crucial task for her more than six years of service. She is now assisting Dori LeCroy, who has assumed the office of Acting Treasurer. We thank you, Barb, and wish you well.

BALLOT FOR OFFICER ELECTIONS

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ISHE Conference 2000

The 15th Biennial Conference of the International Society for Human Ethology will be held in Salamanca, Spain, August 9-13, 2000. Plenary speakers Jaak Panksepp, Russell Fernandez-Dols and Carol Worthman will be addressing the theme "ethology of emotion".

PAPERS AND SYMPOSIUM PROPOSALS

FOR ISHE 2000 DUE APRIL 1ST

Symposia, individual papers and poster proposals that address any aspect of research within Human Ethology are welcome. 100 word abstracts for all papers and posters (including symposium papers) should follow the following format: Line 1: authors' names, last name first. Line 2: institutional address(es). Line 3: title of presentation in capital letters. In addition, proposals for symposia should include a 250-word description of the symposium theme together with individual abstracts of the set of related papers (usually 3 or 4 papers plus discussant).

All proposals should be submitted to our President-Elect, Linda Mealey. **Submission by e-mail is preferred**, but hard copies with IBM, or Windows disk with the name of the operating system and word processing program will also be accepted. Abstracts for all submissions have a deadline of 1 April 2000, but earlier submissions are urged. Send proposals to:

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Salamanca is a beautiful city of about 180.000 habitants, located 200 kilometers northeast of Madrid, on the river Tormes. Founded in pre-Roman times, it was named Salmantica during the Roman era and was an important point on

the 'Silver Road'. It later became Visigothic, was occupied by the Arabs and reconquered by the Christians in 805. Its famous University was founded around 1200. Plan now to secure airline tickets and take advantage of this stimulating intellectual and cultural site.

Transport to Salamanca:

From Madrid the easiest way is to take a rapid bus (Bus Expres) which makes the trip in about 2 hours. The cost of a return ticket is (at this moment) about 4.200 pesetas. The bus runs every hour. You can also take a train from Madrid to Salamanca, but it takes longer (about 3 hours), they run only four times a day, and are a little cheaper than the express bus. You can also hire a car in the airport. But in Salamanca it is not necessary to use a car, everything is within walking distance.

Climate:

The climate is of the continental type. Normally in August it is quite hot, with temperatures at noon between 30 to 40 degrees Celsius, cooling off at night. Hotels are generally air-conditioned

For more information contact:

Conference fax number: +34 923 361 569
Conference telephone number: +34 636 354 913
Conference e-mail: humet@gugu.usal.es

Lodging:

Salamanca boasts a wide variety of hotels which cost up to 70 dollars per person/per day. For the meeting we have chosen 4 hotels and a University teacher residence, which is in the same building where the meetings will take place. (See Registration form, next page)

Meals:

At the Conference Center (Fonseca) there is a restaurant/canteen where meals are served.
Costs for lunch: 990 pesetas;
dinner : 790 pesetas.

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Announcements

ESS Conference:

**25 Years of Sociobiology: Time for Reflection.
 August 31 to September 3, 2000:**

In the year 2K, it is 25 years since Edward O. Wilson's seminal book 'Sociobiology: The New Synthesis' was published. For ESS this has been a natural stimulus to try to organize a retrospective conference and to summarize the reception of sociobiology in various disciplines, as well as in different countries. It seems that in order to attract a sizeable audience, joining with other societies with similar perspectives is advisable. The ESS board now is happy to inform you that ESS has been invited by the Association for Politics and the Life Sciences (APLS) to organize in its annual conference a main section to evaluate 25 years of sociobiology.

APLS is an international and interdisciplinary association of scholars, scientists, and policymakers concerned with problems or issues that involve politics or public policy and one or more of the life sciences. Among other things, the Association is deeply interested in the biobehavioural approach of evolutionary biology, psychology, and anthropology, as will be clear from a glance at the programs of its previous conferences (see <http://www.issu.edu/apls>). Next year, APLS will have its 20th annual conference in Washington, DC, from August 31 to September 3. By means of a keynote speech of a top scientist (1998 E.O. Wilson, 1999 Frans de Waal), plenary lectures by other prominent speakers, round table discussions, panels for paper presentations, poster sessions, etc., the conferences are highly inspirational for open-minded social scientists and life scientists alike, and promises to serve as an excellent platform for presentations for ESS members. The conference will take place in a first class hotel at a comparatively attractive rate, but for this a one-year membership of APLS is advisable. The ESS board invites all ESS members to participate in the sociobiology evaluation panels, and now

already issues a CALL FOR PAPERS. The intention is to bring together papers that cover the influence, or lack of influence, of sociobiology in various disciplines and various countries. The result should be the publication of a book that gives a representative picture of the reception of sociobiology after 25 years. Critical assessments of sociobiology are also most welcome, since this reception history also hopes to give an answer to the question how viable sociobiology has been amidst competitive approaches like those of classical ethologists, evolutionary psychologists and evolutionary biologists/anthropologists. Proposals for papers should follow standard APLS procedures of evaluation, but it is advised to channel the proposals via Vincent Falger and Osamu Sakura, the mediating organizers of this anniversary conference. The usual ESS free paper session will this conference take place directly under the aegis of APLS. Non-ESS members who want to present papers on the anniversary theme will be organized in one of the ESS panels. For more practical details - as far as available now - please contact Vincent Falger at V.Falger@law.uu.nl

Call For Papers

The 2000 North American Meeting of the International Society for Ecological Psychology (<http://www.trincoll.edu/depts/psyc/isep.html>) will be held June 23-24 at Clemson University in Clemson, SC. The meeting will be held at the Madren Conference Center. See <http://virtual.clemson.edu/groups/madren/>

This 2-day meeting will provide a variety of presentations including posters, papers, and invited speakers covering both basic and applied topics in the area of perception and action. A major theme of the meeting will be "applied issues in Ecological Psychology" (human factors, ergonomics, design, clinical issues, etc), but it is expected that much of the program will concern basic work.

We are now accepting submissions for **oral paper presentations and symposia**. Submissions should consist of a title, the names, affiliations, and email addresses of all authors

and participants, and an abstract of 400-500 words. Please include your mailing address, phone, and fax numbers.

Please send all submissions as an e-mail attachment in MS-Word format (Word 97 or earlier) to:

cpagano@clemson.edu.

Include your name, institutional affiliation, mailing address, e-mail address, phone and fax.

The deadline for **paper** submissions is **March 20**. A call for **posters** will be issued later this month, with a later deadline.

Additional information regarding the conference can be obtained from either:

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New Library

We have the pleasure to inform you that we are founding a Center for the Study of Darwinism, and forming our own library. We would like to request that anyone interested in helping us to send reprints of your papers covering sociobiology, evolutionary psychology, evolution, ethology, anthropology or any other topic of interest to be included in our files. All reprints should be sent to the address below. Thanks for your help.

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BOOK REVIEWS

A Trio of Books on the Human Face

About Face, by Jonathan Cole. Cambridge, MA: MIT Press, 1999 pbk, 223p., 13 illus., \$17.50. ISBN 0-262-53163-1. (1998 hdbk., ISBN 0-262-03246-5)

The Face, by Daniel McNeill. New York: Little, Brown & Co., 1998 hdbk., 374p., \$25.00. ISBN 0-316-58803-2.

In the Eye of the Beholder: The Science of Face Perception, by Vicki Bruce & Andy Young. New York & London: Oxford University Press, 1998 hdbk, 290p., approx. 230 illus., \$39.95. ISBN 0-19-852440-4.

Reviewed by Thomas R. Alley, Department of Psychology, Clemson University, Clemson, SC 29634-1511, USA.

The face is the most prominent and important aspect of human physical appearance, at least in most social contexts. It provides an instant display of such vital information as our age, sex, health and emotional state. It not only houses four of our major sensory systems but provides information to others about how these senses are being used (e.g., where we are looking) and what they have detected (e.g., have we noticed an unpleasant smell?). Given the prominence of the face in human life, it's not very surprising that three books on psychosocial aspects of faces intended for a general audience have been published almost simultaneously.

Cole's (1998) book, *The Face*, endeavors to gain insight into the human face by taking a largely subjective approach to the study of people with various facial losses. He

discusses topics ranging from facial expression in non-human primates to anatomy, but the focus is on case reports. Often, these are presented in a style reminiscent of that used by Oliver Sacks' in his popular books, The Man Who Mistook His Wife for a Hat and Awakenings, although this book is not as engaging or well written as those by Sacks. Cole uses these case studies to reveal the consequences of impairments in the perception, cognition, or expression of faces, as seen in blind, autistic, and neurologically impaired (mainly Bell's palsy and Mobius syndrome) children and adults. A brief look at the consequences and treatment of facial disfigurements is also provided (Chap. 11). The case studies highlight the importance of the face in social interactions, as in the numerous difficulties experienced by people who have lost their vision. The cases are presented largely as personal narratives provided to a sympathetic author, and Cole appears to be a skilled interviewer who has succeeded commendably in getting people to talk openly about their experiences. In some cases, he also relies on previously published autobiographical writings.

Unfortunately, Cole tends to simply report the claims of his interviewees. Thus, some interesting implications are missed, and a number of questionable claims seem to be offered as fact rather than critically evaluated. For instance, he notes several times the gradual loss of facial images, even for highly familiar faces, in the years following the onset of blindness. He fails to pursue any implications of this beyond the case in question, such as the indication that the face memory of eyewitnesses may be too fragile to rely on in cases spanning a long retention interval. When Cole does try to provide a scientific backdrop, too often a lack of expertise is apparent. For instance, within just three pages (pp. 45-47) he (1) reverses the likely evolutionary sequence in stating that "once the front limbs were manipulative, primates could rise from all fours onto their hind limbs" (p. 45), (2) falsely indicates that physiognomy is based entirely on alleged correspondences between skeletal structure and character, (3) claims, contrary to substantial evidence (cf. Alley,

1988; Zebrowitz, 1997), that "there is no evidence of specificity of character" associated with physiognomy (p. 46), and (4) states that "a glass eye is as expressive as a real one" (p. 47) contrary to evidence for psychosocial effects of pupil size (Hess, 1975). His discussion of research is seldom up to date and sometimes too cursory even for general readers. For instance, his discussion of the facial feedback hypothesis of emotion relies on just two papers. Also on the negative side, the book has few illustrations (11 figures), somewhat sparse reference citations, and a minimal index.

Daniel McNeill's The Face is a far better book. McNeill is an award winning science journalist and author of Fuzzy Logic (Touchstone, 1994). This book is written for a general audience and elegantly explains necessary but rudimentary scientific material such as the distinction between fraternal and identical twins. Nonetheless, even knowledgeable and sophisticated readers should find reading this volume to be enjoyable and fruitful. It is well-written, multi-disciplinary and, topically speaking, comprehensive. McNeill examines the human face from many perspectives, including physiological, anatomical, historical, forensic, social, psychological, artistic, and evolutionary. McNeill even raises questions few have asked before, such as "Why have a face?". [The answer, in large part, is because it is so advantageous to have both a mouth and a cluster of senses up front when moving, and because the senses should be near the mouth to best contribute to the search for food.]

Like most pop science books, this one occasionally glosses over details and over-generalizes results, and citations of scientific literature are rare (which will prove frustrating to those who would like to know what research underlies most claims in the book). Unlike many, this popular science writer is good about acknowledging controversies and identifying speculation as such. He also does a commendable job of gathering and presenting interesting material from a wide range of disciplines, including medicine, history, biology, psychology and the arts. Consequently, this book is full of

enough facts, speculation and observations to add to the knowledge and wonder of anyone interested in faces, including face experts. Human ethologists will be pleased to find considerable attention paid to our species-specific facial characteristics: These include our flat faces, fast and long-growing hair, tears, and highly complex facial musculature. Moreover, McNeill discusses the evolution of each facial feature and routinely addresses questions about the adaptiveness of traits and behaviors.

The section and chapter titles in this book are more frequently obscure (like "Proteus bound", "Facial zemzem", and "Double star") than helpful (e.g., "Blushing" or "The evil eye"). It's fortunate, then, that The Face includes a good index and is well organized. There is no good remedy for the sparse illustrations. Readers may also be bothered by McNeill's tendency to periodically venture off face-related topics, or by frequent discussion of myths, superstitions, works of fiction, and legends that do not actually tell us much about faces. Many sections should prove fascinating to most people, such as his review of facial alterations that involve lip disks, live snakes, dead rats or various animal parts. In sum, an enthusiastic recommendation might be given here were it not for another recent book that is, on the whole, clearly better.

The wonderfully illustrated 1998 book by Vicki Bruce, a well-known face researcher, and neuro-psychologist Andy Young (hereafter **BY98**) is well-written, stimulating, and highly informative. Everyone interested in the human face should examine this book. Since I have reviewed this book elsewhere (Alley, 1999), I'll be brief here. Originally produced to accompany a 1998 art exhibit on "The Science of the Face", BY98 is a lavishly illustrated book that focuses on the face in art and visual perception, and issues concerning the science and art of faces and face perception. Chapter 1 provides some historical background then reviews fundamentals of the biology and evolution of faces in general and of the human face in particular. Chapter 2 covers many

fundamentals of vision (stereopsis, shape from shading, edge detection, constancy, spatial filtering, etc.) using face-related examples to illustrate each phenomenon. Chapters 3 and 4 examine the causes and consequences of differences between faces associated with sex, age, "race", attractiveness, and alterations of facial appearance. Chapter 5 provides an excellent discussion of face recognition and related issues such as caricature, eyewitness identification and forensic reconstruction, facial distinctiveness, and upside-down faces. Lip-reading, facial expressions, and gaze comprise the subject matter of Chapter 6. Finally, Chapter 7 discusses contemporary neuroscience, with foci on unilateral neglect, prosopagnosia, and neonates' perception of faces.

BY98 covers much of the same material as McNeill (1998), including prosopagnosia, physiognomy, lying, caricature, cosmetic surgery, hair, beauty, and eyewitness identification. McNeill makes more use of historical material and literary arts and less use of visual arts than do BY98. McNeill's covers a wider range of topics; those with meager or no coverage in BY98 include crying, staring, blushing, laughter, cosmetics, masks, jewelry, tattoos, acting and Purdah. BY98 is notably more authoritative and precise. Both books note that the cross-cultural consistency in aesthetic judgments undermines folklore that beauty is in the eye of the beholder. Unfortunately, BY98 may help perpetuate this belief by implying (p. 136) that modifications such as scarification, tattooing, and lip rings are motivated by a desire to increase attractiveness. As McNeill emphasizes, the anthropological literature indicates that such alterations often reflect social (e.g., marital) status, accomplishments or group identity rather than attempted beautification.

I.



New Books – January 2000

- Agusti, J., Rook, L., & Andrews, P. (eds.) (1999). Hominoid evolution and climatic change in Europe. Vol. 1: The evolution of Neogene terrestrial ecosystems in Europe. Cambridge University Press. 617p., ISBN 0-521-64097-0 (hdbk).
- Browne, K. (1999). Divided labours: An evolutionary view of women at work. Yale Univ. Press. 80p. ISBN 0300080263. \$9.95
- Buss, D.M. (2000). The dangerous passion: Why jealousy is as necessary as love and sex. New York: Free Press.
- Daly, M., & Wilson, M. (1999). The truth about Cinderella: A Darwinian view of parental love. Yale Univ. Press. 80p. ISBN 0300080298. \$9.95
- Dixon, Alan F. (1998) Primate sexuality: Comparative studies of the prosimians, monkeys, apes, and humans. Oxford Univ Press. 546p., ISBN: 019850182X. \$60 (pbk). [with more than 2000 references, 380 illustrations and photographs, and 72 tables]
- Heritier, F. (1999). Two sisters and their mother: The anthropology of incest. Cambridge, MA: M.I.T. Press. 341p., ISBN 0-942299-33-7 (hdbk.), \$28. UNDER REVIEW
- Kerig, P. K., & Lindahl, K. M. (eds.) (2000). Handbook of family observational coding systems. New Jersey: Erlbaum Associates. ISBN 0-8058-3323-4.
- Kimura, D. (1999). Sex and cognition. Cambridge, MA: Bradford Books, 272p., \$30. ISBN 0262-11236-1.
- Kunda, Z. (1999). Social cognition: Making sense of people. Cambridge, MA: Bradford Books, 602p., \$30 (pbk). ISBN 0-262-61143-0.
- Lane, R.D., Nadel, L., & Ahern, G. (eds.) (2000). Cognitive neuroscience of emotion. New York : Oxford University Press.
- Low, B. S. (2000). Why sex matters: A Darwinian look at human behavior. Princeton University Press. 328p., \$29.95. ISBN: 0691028958
- Oller, D. K. (1999). The emergence of the speech capacity. New Jersey: Erlbaum Associates. ~424p., ISBN 0-8058-2628-9, \$99.95 (hdbk). [\$39.95 (pbk), ISBN 0-8058-2629-7]
- Thornhill, R. & Palmer, C. T. (2000). A natural history of rape: Biological Bases of sexual coercion. MIT Press. 265p., \$28.95 (hdbk). ISBN 0-262-201259.
- Van der Dennen, J.M.G.; Smillie, D. & Wilson, D.R. (Eds.) (1999). The Darwinian Heritage and Sociobiology. Westport CT: Praeger/Greenwood Press.
- Wachs, T. D. (1999). Necessary but not sufficient: The respective roles of single and multiple influences on individual development. Amer. Psychological Assoc. 480 p., ISBN: 1-55798-611-8
- Wallen, K., & Schneider, J.E. (2000). Reproduction in Context: Social and environmental influences on reproduction. Cambridge, MA: M.I.T. Press. 520p., ISBN 0-262-23204-9 \$60 (hdbk.).

CURRENT LITERATURE

March 2000

Compiled by Johan van der Dennen

Barr, R., & Hayne, H. (1999) Developmental changes in imitation from television during infancy. *Child Development*, 70, 5, 1067-1081 (Hayne, H: Univ. Otago, Dept. Psychol., POB 56, Dunedin, New Zealand)

Benenson, J.F., Triccerri, M. & Hamerman, S. (1999) Characteristics of children who interact in groups or in dyads. *Journal of Genetic Psychology*, 160, 4, 461-475 (McGill Univ., Dept. Educ. & Counseling Psychol., 3700 McTavish St, Montreal, PQ H3A 1Y2, Canada)

Boone, J.L. & Kessler, K.L. (1999) More status or more children? Social status, fertility reduction, and long-term fitness. *Evolution and Human Behavior*, 20, 4, 257-277 (Univ. New Mexico, Dept. Anthropol., Albuquerque, NM 87131, USA)

Bornstein, M.H. & Suess, P.E. (2000) Child and mother cardiac vagal tone: Continuity, stability, and concordance across the first 5 years. *Developmental Psychology*, 36, 1, 54-65 (NICHD, NIH, Suite 8030, 6705 Rockledge Dr., Bethesda, MD 20892, USA)

Bruce, V., Henderson, Z., Greenwood, K., Hancock, P.J.B, Burton, A.M. & Miller, P. (1999) Verification of face identities from images captured on video. *Journal of Experimental Psychology Applied*, 5, 4, 339-360 (Univ. Stirling, Dept. Psychol., Stirling FK9 4LA, Scotland)

Caldera, Y.M., Culp, A.M., O'Brien, M., Truglio, R.T., Alvarez, M. & Huston, A.C. (1999) Children's play preferences, construction play with blocks, and visual-spatial skills: Are they Related? *International Journal of Behavioral Development*, 23, 4, 855-872 (Texas Tech. Univ., Dept. Human Dev. & Family Studies, Box 41162, Lubbock, TX 79409, USA)

Calkins, S.D., Gill, K.L., Johnson, M.C. & Smith, C.L. (1999) Emotional reactivity and emotional regulation strategies as predictors of social behavior with peers during toddlerhood. *Social Development*, 8, 3, 310-334 (Univ. N Carolina, Dept. Psychol., POB 26164, Greensboro, NC 27402, USA)

Carter, A.S., Little, C., Briggs-Gowan, M.J. & Kogan, N. (1999) The infant-toddler social and emotional assessment (ITSEA): Comparing parent ratings to laboratory observations of task mastery, emotion regulation, coping behaviors, and attachment status. *Infant Mental Health Journal*, 20, 4, 375-392 (Univ. Massachusetts, Dept. Psychol., 100 Morrissey Ave, Boston, MA 02125, USA)

Chen, D. & Haviland-Jones, J. (1999) Rapid mood change and human odors. *Physiology and Behavior*, 68, 1-2, 241-250 (Monell Chem. Senses Ctr., 3500 Market St, Philadelphia, PA 19104, USA)

Cohen, D., Vandello, J., Puente, S. & Rantilla, A. (1999) "When you call me that, smile!" - How norms for politeness, interaction styles, and aggression work together in Southern culture. *Social Psychology Quarterly*, 62, 3, 257-275 (Univ. Waterloo, Dept. Psychol., Waterloo, ON N2L 3G1, Canada)

Cummins, D.D. (1999) Cheater detection is modified by social rank: The impact of dominance on the evolution of cognitive functions. *Evolution and Human Behavior*, 20, 4, 229-248 (Univ. Calif. Davis, Dept. Philosophy, Davis, CA 95616, USA)

De Munck, V.C. & Korotayev, A. (1999) Sexual equality and romantic love: A reanalysis of Rosenblatt's study on the function of romantic love. *Cross-Cultural Research*, 33, 3, 265-277 (SUNY Albany, New Paltz, NY 12561, USA)

Drea, C.M. & Wallen, K. (1999) Low-status monkeys "play dumb" when learning in mixed social groups. *Proceedings of the National Academy of Sciences of the United States of America*, 96, 22, 12965-12969 (Duke Univ., Dept. Biol. Anthropol. & Anat., Box 90383, Durham, NC 27708, USA)

- Drummond, J., Letourneau, N., Neufeld, S., Harvey, H., Elliott, M.R. & Reilly, S. (1999) Infant crying and parent-infant interaction: Theory and measurement. *Infant Mental Health Journal*, 20, 4, 452-465 (Univ. Alberta, Fac. Nursing, 3rd Floor Clin. Sci. Bldg, Edmonton, AB T6G ZG3, Canada)
- Eisenberg, N., Guthrie, I.K., Murphy, B.C., Shepard, S.A., Cumberland, A. & Carlo, G. (1999) Consistency and development of prosocial dispositions: A longitudinal study. *Child Development*, 70, 6, 1360-1372 (Arizona State Univ., Dept. Psychol., Tempe, AZ 85287, USA)
- Fergusson, D.M., Woodward, L.J. & Horwood, L.J. (1999) Childhood peer relationship problems and young people's involvement with deviant peers in adolescence. *Journal of Abnormal Child Psychology*, 27, 5, 357-369 (Christchurch Sch. Med., Christchurch Hlth. & Dev. Study, POB 4345, Christchurch, New Zealand)
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- Geary, D.C. (2000) Evolution and proximate expression of human paternal investment. *Psychological Bulletin*, 126, 1, 55-77 (Univ. Missouri, Dept. Psychol., 210 McAlester Hall, Columbia, MO 65211, USA)
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