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# ISBE Newsletter

- THE INTERNATIONAL SOCIETY FOR BEHAVIORAL ECOLOGY -  
PRESIDENT: LINDA PARTRIDGE, EDINBURGH

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## EDITORIAL

Our meeting in Princeton is approaching and we all look forward to a great event. At the same time, the officers of our society have to be elected for the next period 1992-94. Nominations had been sought and a list of candidates is drafted. You will find a brief curriculum for every one of them in this issue. The last page of this Newsletter serves as a ballot form. Please take a moment to make your choice and send in your form as indicated. Remember that the president-elect serves a two year term to become president in 1994-96. For the period of 1992-94, Larry Dill (Simon Fraser University, Vancouver) will be our president.

There is a new opportunity to help colleagues in need. This is the Donated Subscription Program that ISBE suggests and Oxford University Press will support. You can donate an amount of money to enter subscription for others in countries with currency problems. You will find some information about the program in this Newsletter. The idea has been brought up by our Swedish colleagues, and of course they were thinking of their colleagues in Eastern Europe in the first place. However, the idea should be easily portable to other regions. We hope that many of our members do participate, since we all would like to see a lively science with an exchange of ideas throughout all countries and cultures.

Finally, it seems that our journal *Behavioral Ecology* is making waves. In fact, it has been elected as the most outstanding new journal in science, technology and medicine by the Association of American Publishers ! This is encouraging and we should thank all the people that have been involved in planning, starting and now editing *Behavioral Ecology*. This achievement will be most valuable if members of our society as well as every interested scientist keep submitting excellent manuscripts to the journal in the future.

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## SOCIETY NEWS

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### ♦ **Ballot ! Ballot ! Ballot !**

A number of nominations for the officers for 1992-1994 have been received. Please make your choice and send the ballot form (last pages of the Newsletter) by 30 th April to our secretary, Felicity Huntingford.

Brief curricula of the candidates are as follows:

- ♣ **Nancy Burley:** B.S. Syracuse, 1971; M.S. Cincinnati, 1973; Ph.D. Texas (Austin), 1977; Asst Prof McGill, 1977-79; Asst Prof Illinois (Urbana-Champaign), 1979-84; Assoc Prof, Illinois, 1984-89; Professor, Illinois, 1989-91; Professor, University of California at Irvine, 1992-. Visiting Senior Research Fellow, La Trobe University, 1986-87; Associate, Center for Advanced Study, 1991. ISBE Councillor, 1988-90. *Research Interests:* Sexual selection, evolution of mating systems and social organisation, intraspecific communication, sex-ratio manipulation, decision-making. *Selected Publications:* Wilson & Burley 1983. *Mate Choice in Plants*, Princeton Monographs in Population Biology No.19; Burley 1986. *Evolution* 40: 1991-1206; Burley 1988. *Amer. Nat.* 132: 611-628; Burley & Bartels 1990. *Anim. Behav.* 39: 174-180.
- ♣ **Walter Koenig:** Ph.D. UC Berkeley; 1978, studying the social behaviour and population ecology of the acorn woodpecker at Hastings Reservation. After one year at Occidental College, returned to Berkeley as Adjunct Assoc Prof in the Dept. of Integrative Biology and Assoc Research Zoologist in the Museum of Vertebrate Zoology. Also worked on mating strategies in dragonflies, coloniality in yellow-bellied magpies, cooperative breeding in western bluebirds, and human dispersal. *Current Interests:* Mating in oaks; behavioral ecology of California tiger salamander.
- ♣ **Carin Magnhagen:** B.Sc. 1977; Ph.D. 1984, University of Uppsala; Post-doc fellow at UBC, Vancouver 1985-87; Assist.

Prof., University of Uppsala 1987-91; Assist. Prof. Swedish University of Agricultural Science, Umea 1992-. *Research Interests:* Behavioral ecology of gobiid fishes, especially species interactions and food selectivity. Tradeoffs between behaviours, such as foraging, reproduction and predator avoidance. Currently studies the plasticity in reproductive behaviour and sexual selection in response to environmental factors, such as water temperature, food abundance, population density, nest availability and operational sex ratios. Works on gobies mainly on the Swedish West coast, but also Denmark. Also studied foraging behaviour of Pacific salmon fry while in Vancouver.

- ♣ **Anders Møller:** Master's Degree 1984, Ph.D. 1986, University of Aarhus, Denmark; Asst Prof University of Uppsala 1986-90; Currently, NERC-funded visiting research worker at UCL London. *Research Interests:* Reproductive strategies of swallows. Currently, sexual selection and sperm competition.
- ♣ **Marion Petrie:** B.Sc. in Biology, University of Sussex, 1975. Taught biology 2 years. Ph.D. University of East Anglia, 1977, on social behaviour of moorhens. First honorary Research Fellow and part-time tutor, then full-time research fellow at the Dept of Biology, Open University, working on mating behaviour of peafowl. In 1990, a NERC advanced research fellowship to continue studying peacocks. Currently running a controlled breeding programme to test whether or not paternity affects offspring viability. Institutional base is now at Dept.of Zoology, Oxford University. Married, with two children.
- ♣ **Gunilla Rosenqvist:** At the Dept.of Zoology, University of Uppsala. Ph.D. on mate choice and sexual selection in two species of role-reversed pipefish (published in *Anim. Behav.*, *Amer. Nat.*, *Behav. Ecol. Sociobiol.*). Currently at UC Santa Barbara, collaborating with John Endler and Anne Houde on effects of environmentally- induced trait variation on mate choice and sexual competition in guppies. Also continues fieldwork on pipefish in Sweden. Was on the organising committee for

the 1990 Behavioral Ecology meeting in Uppsala.

- ♣ **Bob Warner:** B.Sc. UC Berkeley; Ph.D. Scripps Institution of Oceanography 1973; Post-doc fellowship at Smithsonian Tropical Research Inst. 1973-75; UC Santa Barbara, 1975-present; Professor & Vice-Chair of Dept.; *Research Interests:* Sex allocation, mating system, sexual selection, parental care and population biology, primarily in coral reef fishes. Most of work involves a combination of theory and manipulative field experiments. *Selected publications:* 1990. Resource assessment vs. traditionality in mating site determination. *Amer. Nat.* 135: 205-217; 1990. Male vs. female influences on mating site determination. *Anim. Behav.* 39: 540-548; *TREE* 3: 133-136.

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### REPORT ON "BEHAVIORAL ECOLOGY"

from Don Kramer & Staffan Ulfstrand

With the appearance of the first issue of Volume 3, it seems fair to say that **Behavioral Ecology** is "established". Submission rates rose dramatically in 1991. The European office received 60 manuscripts and the North American office received 80, up from 37 and 58, respectively, in 1990. This represents a 47% increase in total submissions (from 95 to 140), and we are very pleased with the quality and diversity of manuscripts received. The initial acceptance rate is very close to 45% in both offices. With a good number of accepted articles awaiting publication, the delays in appearance of the journal experienced early in 1991 should be a thing of the past.

As another sign of our establishment, we received notification from the Institute for Scientific Information that **Behavioral Ecology** will be covered in **Current Contents / Agriculture, Biology and Environmental Sciences** as of Volume 2, No.3 (Fall 1991). And the journal has received a number of favourable reviews, by Darryl Gwynne in *Nature* and by Chris Barnard in *The Times (London) Higher Education Supplement*. More recently, it received an award for *the most outstanding new journal in science, technology, medicine* from the

**Association of American Publishers.** There are new challenges ahead. We are quite pleased with the mix of theoretical and empirical studies, but we would like to add some reviews to the mix. We have taken steps to begin a Book Review section.

Subscriptions have continued to be quite encouraging: as of February we have 207 student members, 569 regular members, and 97 institutional members. This does not include a number of individuals who have yet to renew for 1992. These numbers mean that we can assure authors of a wide readership for their work, but we are convinced that the potential audience is much larger. In particular, the institutional subscriptions are rather low. For long-term stability and wide readership, it is essential to have a strong base in university and research institute libraries. Oxford Press has made a special effort to see whether your library receives **Behavioral Ecology**, and, if not, strongly encourage them to do so.

→ Many behavioral ecologists still do not receive the journal. To sustain the journal, a wide membership is very important. Please encourage your students and colleagues to join the society and receive the journal. A new advertising brochure which can be passed to libraries and colleagues will be mailed to all members shortly.

→ Most importantly, please continue to send us excellent papers and encourage your colleagues to do so. Remember that we are more flexible than most other journals publishing both long and short papers, including theory, reviews and empirical studies relevant to behavioral ecology in the broadest sense, and we have the capacity to publish coloured prints.

Criticism and suggestions for improvement from any member can be sent to either editor or any member of the editorial board. Thank you for your support.

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## \* SPECIAL NOTICE \*

**DONATED SUBSCRIPTIONS PROGRAM****SUPPORT FOR COLLEAGUES IN COUNTRIES WITH CURRENCY PROBLEMS !**

Colleagues in countries with currency problems may not be able to purchase our journal **Behavioral Ecology**. Now, you can help to support them. Oxford University Press has agreed to support a **Donated Subscriptions Program**.

Our Swedish colleagues had suggested this idea. You can donate money, either for a full subscription, several subscriptions, or any fraction thereof to support colleagues in other countries. If you donate a full subscription, you may decide who should benefit. If you donate a fraction, the officers of the society will make the decision once enough money has accumulated. Oxford University Press will collect the money on our behalf, just like the membership fees, and keep a pool of funds, until enough money is received to enter a full subscription.

To start with, the program is intended to support library subscriptions. This should help to spread the journal and increase the readership. If you have a suggestion for institutions that might receive a donated subscription, please let us know (write to the Treasurer, Paul Schmid-Hempel, address below).

Take this chance to spread knowledge and to improve communication among scientists all over the world ! This will help your society.

→ As soon as the details have been clarified, Oxford University Press will run an announcement "**Donation Order Form**" in one of the next issues of **Behavioral Ecology**. Please check there for details about the procedure and the payment.

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**MEETINGS OF INTEREST**

- ◆ **UNESCO/MAB International Seminar:** Variability of the Species Population in the distribution area. Vilnius, Lithuania, 27-29 May. Details from: MAB Working Group, 232055 Vilnius, PO Box 855, Lithuania.
- ◆ **6th Annual Meeting, Society for Conservation Biology.** Virginia Tech, Blacksburg, Virginia, 27 June - 1 July 1992. Details from: Conference Registrar, Donaldson Brown Center for Continuing Education, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061-0104.
- ◆ **Individuals, Populations and Patterns.** A conference honouring A.F.G.Dixon in Norwich, University of East Anglia, 7-10 September 1992. Programme includes Physiological Ecology, Population Ecology, Applied Ecology, Community Ecology and Conservation, Evolutionary Ecology. Register until 1 May. details from: Dr.S.R.Leach, Forestry Commission, Northern Research Station, Roslin, Midlothian, Scotland EH25 9SY, U.K.
- ◆ **Animal Communication: The 7th Culterty Ecology Workshop** in Newburgh, Scotland, 19-20 September 1992. Details from: A.Bryant, Culterty Field Station, University of Aberdeen, Dept.of Zoology, Newburgh, Ellon, Grampian AB41 0AA.
- ◆ **1992 Annual Meeting of the American Society of Zoologists**, on the biology of ultraviolet light reception, in conjunction with the Canadian Society of Zoologists, Vancouver, B.C., Canada 27-30 December 1992 . The symposium will take a multi-disciplinary, cross-taxa and integrative approach to all aspects of u.v. light reception. Details from: Howard Browman or Craig W. Hawryshyn, Laboratory of Sensory Biology, Department of Biology, University of Victoria, P.O. Box 1700, Victoria, B.C., Canada V8W 2 Y2. Ph: (604) 721-7104; e-mail: BROWMAN@UVVM.UVIC.CA.

- ◆ **Second International Conference on Simulation of Adaptive Behavior (SAB92)**, from animals to animats at the Ilikai Hotel, Honolulu, Hawaii, December 7-11, 1992. Its object is to bring together researchers in ethology, psychology, ecology, cybernetics, artificial intelligence, robotics, and related fields so as to further our understanding of the behaviors and underlying mechanisms that allow animals and, potentially, robots to adapt and survive in uncertain environments. The conference will focus particularly on simulation models in order to help characterize and compare various organizational principles or architectures capable of inducing adaptive behavior in real or artificial animals. Note: a detailed announcement can be obtained from the mail server of the electronic mail group of behavioral ecology. Send the one line message "send SAB92" to server@forager.unl.edu.

#### after 1992:

- ◆ **Population Genetics Group Meeting**. Cardiff, U.K., 6-9 January 1993. Details from: Dr. Roger Butlin, School of Pure and Applied Biology, University of Wales College of Cardiff, PO Box 915, Cardiff CF1 3TL, U.K.
- ◆ **VI International Congress of Ecology (Intecol)** in Manchester, England, 20-26 August 1994. Details from: The Secretary, VI International Congress of Ecology, Dept. of Environmental Biology, The University, Manchester, M13 9PL, U.K.
- ◆ **1993 Animal Behavior Society meeting** will be at The University of California, Davis, 24-30 July 1993. For Information contact Benjamin Hart, Dept. of Physiology, School of Veterinary Medicine, University of California at Davis, Davis, CA95616. USA.
- ◆ **XXIII International Ethological Conference**. Torremolinos, Spain, 1-9 September 1993. Further details from: Dr. Anna Omedes, General Secretary, XXIII

Intern. Ethol. Conference, Ap.98033, Barcelona 08080, Spain.

- ◆ **The Fourth Annual Human Behavior and Evolution Society meetings** will be held at The University of New Mexico, Albuquerque, 23-26 July 1992. To submit an abstract contact M. Wilson and M. Daly, Dept. of Psychology, McMaster University Hamilton, Ontario, Canada L8S 4K1, e-mail: Daly@McMaster.ca. For Information about registration contact N. Thornhill, ZiF, Univ. Bielefeld, Wellenberg 1, D-4800 Bielefeld 1, Germany, e-mail Thornhill@zifrg2.zif.uni-bielefeld.de or R. Thornhill Dept. Biology, Univ. New Mexico, Albuquerque, NM 87131 e-mail: nthorn@unmvm.

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#### MISCELLANEOUS

- ◆ A new general purpose software is available for behavioral scientists to use in recording and analysing data. The observer is a software package that allows an IBM-PC or laptop computer to become a tool used to record the frequency and duration of behavioral events. It can also program a variety of hand-held computers for use as an event recorder in the field. For Information contact Noldus Information Technology b.v. University Business and Technology Center, Vadaring 51, NL-6702 EA Wageningen, The Netherlands. Phone 31-8370-97677. FAX 31-8370-24496. e-mail noldus@rcl.wau.nl
- ◆ **NSF Reorganization**, comments by Fred Stollnitz, Program Director for Animal Behavior, NSF:  
The National Science Foundation has established a Directorate for Biological Sciences (BIO) and a Directorate for Social, Behavioral, and Economic Sciences (SBE). These two directorates replace the former Directorate for Biological, Behavioral, and Social Sciences (BBS). The Animal Behavior Program (comprising comparative

behavior, animal learning and cognition, and behavioral ecology) is in BIO. It is one of five programs in a Physiology and Behavior cluster in the Division of Integrative Biology and Neuroscience (IBN). The other programs in the cluster are Functional and Physiological Ecology (comprising comparative physiology, functional morphology, physiological ecology, and biomechanics), Endocrine Processes, Integrated Animal Systems, and Integrated Plant Systems.

The Division Director for IBN is Dr. Bruce L. Umminger, a comparative physiologist with some background in sensory mechanisms of orientation behavior. Besides Physiology and Behavior, two other clusters are in IBN: Developmental Biology and Neuroscience. The latter cluster includes programs in Sensory Systems, Neuroendocrinology, Neural Mechanisms of Behavior, Synaptic Mechanisms, Neuronal and Glial Mechanisms, Developmental Neuroscience, and Cognitive, Computational and Theoretical Neurobiology.

IBN is one of four divisions in BIO. The others are the Division of Environmental Biology (DEB) (with clusters in Systematic and Population Biology, Ecological Studies, and Long-Term Projects), Molecular and Cellular Biosciences (MCB), and Biological Instrumentation and Resources (BIR).

The focus of SBE is on human activities and institutions. A notable exception is the research in primatology supported by Physical Anthropology. SBE includes the Anthropology Program and the Language, Cognition, and Social Behavior Program from the former Division of Behavioral and Neural Sciences, the entire Division of Social and Economic Science, the Division of International Programs, and the Division of Science Resources Studies. A new Assistant Director of NSF will be named to head SBE; that person will determine the internal organization of SBE. Dr. Mary E. Clutter, the former Assistant Director for BBS, is now Assistant Director for BIO. She planned the organization of BIO with the aid of BBS program officers, division directors, and outside advisors; this reorganization

became official on December 29, 1991, but will require several months to implement fully.

Beginning with proposals submitted in the spring and summer of 1992, aspects of **behavioral ecology** that previously were handled in the Population Biology and Physiological Ecology Program will be reviewed by the Animal Behavior Program. The Advisory Panel for Animal Learning and Behavior will be expanded to handle these proposals; suggestions of panel members would be welcomed. The current panel members are: Peter D. Balsam (Barnard College), Ruth E. Buskirk (University of Texas), Dorothy L. Cheney (University of Pennsylvania), Michael S. Fanselow (University of California, Los Angeles), Edmund J. Fantino (University of California, San Diego), Alan C. Kamil (University of Nebraska), Nancy Knowlton (Smithsonian Tropical Research Institute), and Ken Yasukawa (Beloit College).

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## OPPORTUNITIES

- ◆ **Research Assistants** needed for a study of the breeding ecology of Buff-breasted Sandpipers at **Prudhoe Bay, Alaska, between 20 May and 20 July 1992**. Duties include behavioral observations, capture and banding, telemetry, censusing of shorebirds, habitat mapping, and participation in field experiments. Applicants must be healthy and capable of working in the field long hours in difficult conditions (i.e. cold and bugs). Experience collecting behavioral data and working with shorebirds desirable, but enthusiasm for observing them a must. Food, housing, transportation from Anchorage to Prudhoe Bay, and a \$1500/month salary provided. To apply, please send resume and a letter of interest, naming references to: Rick Lanctot, Carleton University, Dept. of Biology, Ottawa,

Ontario K1S 5B6 (616-788 2600, ext.3866; e-mail: RLANCTOT@CCS.CARLETON. CA).

- ◆ **Volunteers.** Approximately 20 volunteer positions are open in 1992 at the American Museum of Natural History's Southwestern Research Station in **Portal, Arizona**. The volunteer program is run annually and offers students in biological sciences outstanding opportunities to observe and become involved with scientists doing field research. Food and lodging are provided to volunteers in exchange for four hours per day of routine chores, with the remaining time available for research activities. The program is open to both undergraduate and graduate students; the latter may pursue their own research projects. **Faculty knowing of promising students should alert them to this opportunity** for professional experience toward, development of, and evaluation of their career goals. **Volunteers are needed between March 15 and 15 November.** Appointments are for part of this period, with a **minimum appointment of six weeks.** Applicants for **summer volunteers (June-August)** should submit forms by 1 April, **fall volunteers (September-November)** may apply any time. For application forms, write: Dr.Wade C.Sherbrooke, Director, Southwestern Research Station of the American Museum of Natural History. Portal, Arizona, 85632 USA. Ph: 602-558-2396.

- ◆ **Postdoctoral Position** in the area of **sexual selection.** The position is within a grant from the Swiss National Science Foundation for a project on sexual selection in sticklebacks, which includes experimental field and lab work in behavioral ecology and genetics, modelling, parasitology and physiology. A candidate with any expertise fitting into our group is welcome. the position is on a 2-yr basis. Applications (C.V., publication list, names of referees) should be sent to Prof.M.Milinski, University of Bern, Abteilung Verhaltens-ökologie, Wohlenstrasse 50a, CH-3032 Hinterkappelen, Switzerland.

The Editors of the Newsletter:

**Paul Schmid-Hempel**

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**ELECTIONS FOR OFFICERS FOR  
THE INTERNATIONAL SOCIETY FOR BEHAVIORAL ECOLOGY  
1992-1994**

**BALLOT FORM**

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Please enter your votes in the boxes below and return this form by **30 th April 1992** to the Secretary ISBE:

**Felicity Huntingford**  
University of Glasgow  
Dept. of Zoology  
Glasgow G12 8QQ  
U.K.

(Fax: +44 / 41 330-5971)

Brief curriculum vitae of the candidates are given in this issue of this Newsletter (Vol.4,1).

**PRESIDENT - ELECT** (Vote for one candidate):

**Nancy Burley** ∞

**Bob Warner** ∞

**SECRETARY** (Vote for one candidate):

**Walter Koenig** ∞

**Marion Petrie** ∞

**TREASURER**

In the interests of continuity, Paul Schmid-Hempel has kindly agreed to stand for a second term of office, as allowed for in the ISBE Constitution. He is therefore returned unopposed.

**COUNCIL** (Vote for 2 candidates)

**Carin Magnhagen** ∞

**Anders Møller** ∞

**Gunilla Rosenqvist** ∞