

ISAE

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newsletter

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President's Piece

Dear ISAE members,

I have three points to make.

First, I want to draw your attention to the [ISAE Underdeveloped Regions Initiative](#). You can find the text of this plan in this Newsletter. The initiative was approved during the ISAE Council Meeting in November. As a first step, an open forum for bringing ideas and suggestions together, and expressing opinions and concerns should be started on the ISAE Discussion Forum. Please be active there. The next step will be to establish an Initiative Group (in March) that will use the material posted to the Forum and put together proposals for specific actions. Pending approval of such a proposal at the Council meeting in Mérida, the real activity will begin, hopefully in September 2007. So please look at the text of the plan in this Newsletter and consider whether you are willing and able to contribute to it, at any of the three stages.

Second, I am looking forward to see many of you in Mexico this August. It is seven years ago that we had our congress for the first time in Latin America (Florianopolis, Brazil, 2000), and it was a great meeting managed extremely well by very friendly people – and in a wonderful environment! I am sure Mérida will not be outdone on any of these criteria. So if your strategic decision-making tells you it would be good to attend, then use your ingenuity, tactical skills, perseverance, and resource holding potential or whatever available, to attend. One good possibility is to apply to the Congress Attendance Fund to get your participation partly subsidized by ISAE.

Third, I know the Council has some tasks to finish, most notably to make the on-line system for paying membership fees work again. Let us see how quick the Council will be in completing this.

Marek Špinka
ISAE President

Bug in the system

News from the August 2006 Council e-meeting – from Dr. Anna Valros

Fly on the wall: Report from the August 2006 Council meeting by Anna Valros

As you might have noticed in earlier newsletters, reports from “physical” Council meetings are always given by the ever-so-curious Fly on the wall, who flies around the world to listen in on these interesting discussions. Again, the Fly has the pleasure to give you, honoured ISAE-members, some inside information on what was going on behind closed doors in Bristol.

Well, I guess I’d better get down to business. Council met in Bristol during the 40th ISAE Congress (thank you Chris & co for an excellent congress!) and discussed a long list of matters during our 8-hour meeting.

One of the big issues was related to the *organisation of future Congresses*. Congresses are growing bigger and bigger and it is getting increasingly difficult for the local organisers to find the time to handle the organisation. In addition, it is very difficult to achieve a zero-budget, as is the aim, as the high number of participants is followed by an increase in total budget. Council therefore decided to recommend that in the future local organisers might want to budget for a person being paid to coordinate the congress organisation. In addition, Council discussed the possibility of actually aiming at making a profit from the congresses. As a result of these two points, Council also acknowledged that fees might need to increase as the congresses increase in size. Council felt that it is more important to organise good-quality congresses than cheap congresses.

The *competition for best poster* has become a tradition at the ISAE Congress. However, there has been variation in how posters are valued. Council decided there is a need to standardize the judging criteria, but that the local organisers should continue to organise the competition. This will be discussed further and implemented in Mexico. In addition, Council suggested that not only one poster should be awarded, but three. The prizes decided on will be free ISAE memberships for 3, 2 and 1 year respectively. Council also decided that the *competition for best oral presentation* has served its time and this tradition will no longer be recommended.

Council also had a long discussion on the *quality of abstracts at the ISAE-congresses*. How to combine the efforts to provide a meeting of high-quality science and the aim to invite young researchers and scientists from areas where Applied Ethology is a new area of research? Council thought we should continue to be mild on rejections, but abstracts should, of course, be rejected if they do not follow standards even after revision. Only the very best abstracts should be accepted as oral presentations. Non-research-based abstracts, e.g. concerning education and outreach, should normally not be accepted, but can be invited to special workshops.

For those of you eager to plan for your future travel arrangements, I can now let you know that in addition to the already planned ISAE Congresses (Mexico (2007), Ireland (2008) and Australia (2009)), *future Congress venues* include Sweden (2010) and Austria (2011 or 2012). Council would prefer a non-European country to organise the 2011 Congress, so bids for that year are still welcome!

As usual, the *regional activity* has been high within the society. Five of the regions have organised regional meetings during the past year. Council discussed whether the regional support can be used to attract participants to international ISAE Congresses, and decided this is ok, as long as the support is really used to reach new potential members and get publicity, not to act as a support for presently active ISAE members.

There has been an ongoing *competition for a new cover for AABS*. So far no suggestions have been submitted. Our Editor will discuss with Elsevier on a more interesting prize than one year's free subscription of the electronic version of the journal.

It has been decided that ISAE will start keeping a *Membership directory* and Council discussed legal matters related to this. At this meeting it was decided that people should be asked to tick a box when paying their membership if they wish *NOT* to be added to the membership directory. Note that the directory will be strictly for members only and will not be used for commercial purposes.

An important note to all members is that Council suggested amending the constitution regarding a *pay-every-year-system*. In practise, this means that if the fee is not paid by the DL membership is made "inactive", and if the fee is paid up before next years' DL, the membership will be re-activated. If the fee is not paid by next years payment-DL, membership is terminated automatically. The suggested amendment was accepted at the 2006 AGM and thus came into force immediately after the AGM. So please, remember to pay your yearly fees, or be prepared to re-apply for membership!

I hope this short report helps you keep updated with the what is going on in Your Society! For further information on any of these issues, or anything else, for that matter, please do not hesitate to contact the relevant Council member.

The Fly will now hibernate and the Bug will report on our November meeting in our next Newsletter.

ISAE Council News

Membership Secretary – Dr. Moira Harris

Some of you will be aware that our **online payment system**, allowing members to pay their subscription by credit/debit card, has been out of action for a while. This is because when we changed membership service providers from RfA to Granta we weren't immediately able to change our online payment system, so the RfA-affiliated page was left active until this summer. Having decided at the August Council meeting to end this arrangement it's taken us a while to organise a replacement. Unfortunately, this has also meant that Granta have been unable to process any card payments for ISAE subscriptions. However, we hope the replacement online payment system will be active within a very short time – and ask for your continuing patience until this problem has been sorted out.

Difficulties in processing subscription payments have meant that I haven't chased those of you who are **in arrears**. However, a substantial number of people have not yet made provision to pay their subscriptions for the current year (2006-2007), and some have also not paid for 2005-

2006. Once our payment system is fixed I shall be issuing reminders for those in arrears, along with a reminder that ISAE now operates a **pay-every-year** system. Pay-every-year is a simple system which means that if members do not pay their subscription regularly they are no longer members!

On a happier note, please join me in welcoming the following **new ISAE members**:

Charlotte Bettley	UK	Avanti Mallapur	USA
Fernando Borderas	Canada	Matthew Parker	UK
Laurence Coutellier	Germany	Kathryn Proudfoot	Canada
Marcia Endres	USA	Sara Shields	USA
Jenny Gibbons	UK	Jeroen van Rooijen	Netherlands
Sonya Hill	UK	Kathalijne Visser	Netherlands
Tajudeen Lawal	Nigeria	Anette Wichman	Sweden

As always, if you have any queries about your membership, don't hesitate to contact me. Please note that I've recently moved to a new job: my new contact details are listed at the end of this Newsletter, and Derek has updated them on our website and application form.

Congress Attendance Fund – Dr. Ruth Newberry

The Congress Attendance Fund is available to assist **ISAE members** in attending the 2007 Congress in Mérida, Mexico through awards to cover the cost of registration and, possibly in a few cases, also accommodation. The total sum available in this fund for 2007 is 2000GBP. **Applications are due by March 2, 2007**, and should be sent to the **congress organisers** by e-mail to abstract@isae2007.com. Applications for funding will be reviewed by the Congress Attendance Committee. Priority will be given to applicants with low or no possibilities to attend the congress without financial support, little or no possibilities to obtain sufficient financial support from elsewhere, and high quality of submitted abstracts. Successful applicants will be notified immediately following acceptance of abstracts. Information about the Congress Attendance Fund can be found on page 29 of the ISAE Guidelines, which are available on the ISAE Home Page** ([http://www.applied-ethology.org/proceduralguidelines_files/ISAE Guidelines 17-May-06.pdf](http://www.applied-ethology.org/proceduralguidelines_files/ISAE_Guidelines_17-May-06.pdf)). For additional information, please contact Ruth Newberry, ISAE Senior Vice President at newberry@wsu.edu.

**Note this document is password protected. As always there is just one ISAE password whether it is for this document, the Discussion Forum, etc.. Members of the ISAE can request the password by e-mailing the ISAE Communications Officer: derek.haley@gov.ab.ca.

ISAE Regional News

Canada – by Stephanie Torrey

Happy New Year! I would like to introduce myself as the new Regional Secretary for the Canadian region of the ISAE. I was elected at the North American Regional meeting last summer and have large shoes to fill in keeping-up with our previous secretary, Derek Haley. A little bit about me- I am a Research Scientist in Swine Behaviour and Welfare at Agriculture and Agri-

Food Canada in Lennoxville. I studied at the University of Guelph for my PhD after immigrating from the U.S. I look forward to serving the Canadian region in this capacity!

In regional news, congratulations to **Dr. Tina Widowski** of the University of Guelph who was recently promoted to Professor and named Director of the Colonel K.L. Campbell Centre for the Study of Animal Welfare (CSAW). **Dr. Rebecca Ledger**, upon returning to the British Columbia SPCA from maternity leave, will be taking on the new role of Animal Welfare Manager this spring. Recent graduate defences include **Andrew Colgoni** (MSc, Guelph), **Michelle Drissler** (MSc, Guelph), **Derek Haley** (PhD, Saskatchewan), **Sara Sutherland** (MSc, Guelph), and **Stephanie Yue** (PhD, Guelph). Congratulations!

Colonel K.L. Campbell Centre for the Study of Animal Welfare (CSAW) at the University of Guelph is hosting a conference, "Caring during crisis: animal welfare during pandemics and natural disasters", April 29 – May 1, 2007. More information is available from the CSAW website <http://www.aps.uoguelph.ca/~csaw/> or from www.uoguelph.ca/abw/. There is a call for abstracts, with a deadline of March 15, 2007.

East Asia – by Seji Kondo (Hokkaido University, Japan 060-8589)

1. Annual meeting of the Japanese Society for Applied Animal Behaviour Joint meeting with the Japanese Society of Livestock Management at Kyushu University, at 29th March 2006. 33 Oral presentations.

2. AGM of the Japanese Society for Applied Animal Behaviour, at Kyushu Univ. 29-Mar-06.
Board Members for 2006-2007:

President: S. Kondo (Hokkaido Univ.)

Vice presidents: Y. Ueno (Kyoto Univ.), S. Morita (Rakuno Univ.), K. Uetake (Azabu Univ.)

Symposium Committee Chair: M. Aoyama (Utsunomiya Univ.)

Finance Committee Chair: Y. Deguchi (Iwate Univ.)

Membership Committee Chair: T. Seo (Obihiro Univ.)

Newsletter Committee Chair: M. Kawai (Obihiro Univ.)

Chair of Communication Committee: K. Takeda (Shinshu Univ.)

Advisory Committee: M. Tomonaga (Kyoto Univ.), K. Uchida (Rakuno Univ.), Y. Kasumi (Teikyo Kagaku Univ.), K. Yayo (National Research Center of Bio-resource), R.

Kusunose (Research center of JRA), T. Tanaka (Azabu Univ.), S. Sato (Tohoku Univ. and Senior president).

Auditors: A. Sugita (Utsunomiya Univ.), F. Kashiwamura (Obihiro Univ.).

Council members 2006-2007: K. Yasue, N. Hasegawa, N. Abe, A. Yamada, M. Okamoto, K. Matsui, T. Koseko, D. Kobari, Y. Nakanishi, N. Ogata, Y. Mori, A. Matuura, K. Kaji, T. Tsubota, M. Suzuki, T. Ikeda, J. Nakatani, Y. Eguchi, H. Tsukada, S. Hayama, S. Oda, S. Ishii, T. Matuo, S. Koyama, O. Ishida, Y. Suga, R. Kimura.

3. Establishment of foundation (3,000,000 JPN Yen, approximately)

This foundation will be applied for:

- **Supporting Japanese council member to attend the ISAE council meeting**
- **Supporting young Japanese researchers to attend the ISAE annual congress**
- Budgets for publishing and extension of performances from applied ethology.

4. Special lecture 'Behavioral analysis to know about Penguin'

- Collaboration with Japanese Association for Behavior Analysis

Prof. K. Manabe, (Nihon Univ.)

1st – 3rd Sept. 2006, Kansei Gakuen Univ. (Kobe)

5. Symposium ‘ Sphere between Applied Behavior Science and Animal Management’

- Collaboration with Japanese Society of Animal Management

25th Oct., 2006, Council Secretariat MAFF (Tsukuba)

6. Future meetings in Asia

- Annual meeting of the Japanese Society for Applied Animal Behaviour together as a joint meeting with the Japanese Society of Animal Management, March 29, 2007, at Azabu University
- Symposium “Evaluation of happiness from human and animals” hosted jointly with the Japanese Society of Animal Management, March 29, 2007, at Azabu University
- ‘Total evaluation of rearing and environment enrichment in beef cattle’ by Dr. Toshie Ishiwata (Azabu University)
- ‘Investigation of frustration and behavioral index for stabled horses and evaluation of welfare for their rearing environment’ by Dr. Shigeru Ninomiya (Tohoku University)
- ‘Analysis of oscillation in rider and horse -Possibility of evaluation of horses for therapic riding’ by Dr. Akihiro Matsuura
- AGM of Japanese Society for Applied Animal Behaviour. March 29, 2007 at Azabu University

Nordic – by Margit Bak Jensen

Cognition and emotions in animals - 10th Crane seminar at SLU, Skara

The next traditional Crane seminar at the Swedish University of Agricultural Sciences (SLU) in Skara will be organized the 10-14 of April 2007. The theme of the Crane seminar will be the hot research topic “Cognition and emotions in animals”. The purpose of the seminar is to view these concepts from the perspective man – animals and three internationally well known speakers will present and discuss their views on this topic:

Marc Bekoff is Professor in Biology at the University of Colorado, Boulder, USA. His main area of research is animal behaviour, cognitive ethology and behavioural ecology. He has published more than 200 scientific papers and 18 books, where several deals with cognition in animals.

Mike Mendl is Professor in Animal Behaviour and Welfare at Centre for Behavioural Biology at the Department of Clinical Veterinary Science, University of Bristol, UK. He is an ethologist by training and will contribute with competence in cognitive ethology and the investigation of emotional states in animals.

Liz Paul is Research Associate and has a PhD in psychology at Centre for Behavioural Biology at the Department of Clinical Veterinary Science, University of Bristol, UK. She will contribute with competence on the psychology of human emotion and its implications for the study of animal emotion. Mike Mendle and Liz Paul are a husband and wife team and asked to share one day on the course. Together they have written several recent high profile review papers in the area of animal emotions.

Aldroaldo Zanella is Professor in Animal Welfare at the Veterinary University in Oslo, Norway since 2006. The aim of his research is to develop non-invasive research methods, as for example magnetic resonance, to evaluate the relationship between brain function and animal welfare. Aldroaldo Zanella has worked at Michigan State University and with Prof. Donald Broom at Cambridge with the organisation of the reward system in the brain.

The crane seminar is a course for PhD-students that give 3 ECTS, but it is also open to senior researchers. The course is aimed at ethologists, zoologists, animal scientists, veterinarians, psychologists, psychiatrists and medical doctors. This course is organized by associate professor Lena Lidfors and professor Linda Keeling at the Department of Animal Environment and Health, SLU, Skara.

More information about the Crane seminar is available on <http://www.hmh.slu.se>

Registration to the Crane seminar is done by filling in the registration form on <http://www.hmh.slu.se> and submitting it. **Deadline for registration is 10th of March.**

If you have any questions after reading the information on our web page please e-mail Gudrun.Norrman@hmh.slu.se

Welcome, Lena Lidfors & Linda Keeling

West Central Europe – by Kristen Hagen

Please note that I have now taken over as the Regional Secretary for West Central Europe from our former secretary, Lars Schrader. Please join me in thanking Lars for his service.

ISAE Members on the Move

Ian Duncan – Professor Emeritus

On Saturday, September 30, 2006, the Animal Behaviour and Welfare group at the University of Guelph held a symposium in honour of retiring ethologist Ian Duncan, “Celebrating the work of Professor Ian Duncan—a pioneer in animal welfare science”. The symposium involved presentations by colleagues and former students of Ian’s, including Drs. Georgia Mason, Tina Widowski, Suzanne Millman, Derek Haley, Anne-Marie de Passille, Jeff Rushen and Ms. Anne Malleau. The symposium was followed by a ceileidh, a traditional Scottish country dance, in honour of Ian’s Scottish heritage.

The following are excerpts of well wishes received, from around the ethology world...

Ian is a man of unusual courage and integrity in a world where these virtues grow increasingly scarce. **-Bernie Rollin**

“Science will always need people like you, Ian. **-Frank O. Ödberg**

I will not wind a lang conclusion,
With complimentary effusion;
But, may your wishes and endeavours
Be blest with Fortune's smiles and favours.
I am, dear sir, with zeal most fervent,
Your much indebted, humble servant.
-David Fraser (and R. Burns)

So many memories of Ian from the past 24 years and I hope that there will be many more still to come. Thank you, Ian, for the changes you made to my life. **-Carol Petherick**

“When Nature her great master-piece design’d,
And fram’d her last best work, the human mind,
Her eye intent on all the wondrous plan.
She formed of various stuff the various Man”.
-And Ian.....
“A being form’d t’ amuse his graver friends;
Admired and praised”
-Vince Moloney (and R. Burns)

Ian himself tells a good story of a time when he had been working on Electro-Cardiograms, and reading papers on Electro-Encephalograms. He was visiting another institute and saw a door labeled EGG ROOM. “I knew about E.C.G.s and E.E.G.s, but I couldn’t think what E.G.G. stood for,” he said. “I was about to ask someone, but luckily I worked it out just in time.”
-Mike Appleby

Ian, I am very proud and honored to say that my time in Canada overlapped with your time at Guelph. I always felt that being an applied ethologist from Canada was extra special, especially to be included in the company of yourself and other great scientists in our field. It was great to be included in such great company. **-Joe Stookey**

Your students “fledge” with a graduate degree in-hand and new found confidence in what they are capable of. Not only have you taught us to stand on our own two feet, but you have also led us along the path to eloquence, via several neatly scissor-trimmed paragraphs taped over top of our own throughout thesis drafts! Ah, but the results are always so pleasing, as is reading any of the literature you have produced throughout your career. Here’s to many happy, healthy and enjoyable years of retirement! **-Kimberley Sheppard**

I am not quite sure whether Prof. Duncan has read Chinese philosophy before, but I feel if Confucius still alive, he will accept him as one of his disciple (Confucius fellows were also respected by Chinese), because of his good manners and temper. **-Liang Chou Hsia**

Ian had been a major influence on my thinking on animal welfare. I will be always grateful to him for his insight into the different ways in which we can approach this often challenging issue – he has contributed to our seeing that challenge in ways which have been so important.
-Margaret Rose

Bas Rodenburg - from Belgium to the Netherlands

In september 2006, Bas Rodenburg moved from the Institute for Agricultural and Fisheries Research (ILVO) in Melle, Belgium back to The Netherlands. He received a personal scholarship from the Netherlands Organisation for Scientific Research (NWO) to study the effect of genetic selection method and of early-life history on the behavioural development of laying hens. He will conduct this four-year research project at the Animal Breeding and Genetics Group at Wageningen University (Animal Breeding and Genetics Group, Department of Animal Sciences, Wageningen University, P.O. Box 338, 6700 AH Wageningen, The Netherlands, Telephone: +31 317 483936, Fax: +31 317 483929, E-mail: bas.rodenburg@wur.nl).

David Val-Laillet – from France to Canada, and back again

I would want to inform ISAE members that following completing my PhD under the direction of Dr. Raymond Nowak at the INRA of Tours, France, I have spent two years in the Pacific Agri-food Research Centre, in Canada, working with Drs. Anne Marie de Passillé, Jeff Rushen, but also with Dr. Nina von Keyserlingk, from the University of British Columbia. Now the circle is complete. I am back in France again and my new contact address is at INRA - UMR SENAH - Domaine de la Prise - F35590 Saint-Gilles. Thank you to all the people with whom I had the occasion to work with thus far in France, and in Canada. After having studied the behavioural and neurobiological mechanisms underlying the attachment to the mother in newborn lambs during my PhD, I investigated in Canada the dominance relationships and feeding competition in cows, as well as the allogrooming behaviour and social preferences within the herd. Now, I am going to focus on pigs as a model of human nutrition and its pathologies such as obesity. I will study the neurobiological mechanisms that shape the feeding behaviour and investigate new therapies such as the vagus nerve stimulation.

Jack Murphy – moves to new institution within Ireland

Jack Murphy has recently moved from University of Limerick to join the Equine Research Group at The School of Agriculture, Food Science and Veterinary Medicine at University College Dublin (UCD), Ireland. Jack's primary research interests include visuo-motor systems in the horse, sport horse breeding policies, equine performance including jump stride kinematics and stereotypic behaviour in the horse. As an Equine Research Fellow at UCD, he is now involved in an epidemiological study of crib-biting in young Irish horses where he will be working closely with Dr Alison Hanlon (Chair ISAE 2008 in UCD). Contact details are jack.murphy@ucd.ie.

Penny Lawlis

Penny Lawlis has been recently appointed as the new full-time Humane Standards Officer with the Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA). She has been involved in the development and delivery of OMAFRA's animal welfare policies and regulations for more than twenty years in her capacity as animal care specialist. Ms. Lawlis holds a Master of Science degree in Farm Animal Welfare and Behaviour from the University of Guelph

The Humane Standards Officer will be based on Guelph and will provide animal-welfare related services to the livestock and meat industries in the province of Ontario. Services will include

leadership and scientific support for inspection programs related to evaluating animal welfare in licensed abattoirs and livestock auction markets. She will also develop, maintain and enforce new standards, as well as compliance and audit procedures and protocols.

Ms. Lawlis has previously developed and delivered training and audit programs on the humane handling and stunning of animals at abattoirs, and worked together with livestock industries to monitor the impact of these programs. She has provided national leadership on livestock handling and spearheaded the development of the code of practice for horses.

Book Reviews for Appl. Anim. Behav. Sci

Would you like to review a book for Applied Animal Behaviour Science?

The journal Applied Animal Behaviour Science occasionally published reviews of recent scholarly books relevant to its readership. If you would know of a book that you'd like to review, please e-mail the Book Review Editor Dr. Dan Weary (dan.weary@ubc.ca), with your ideas.

Meeting Reviews

The ISAE Newsletter welcomes reviews from all meetings of potential interest to ISAE members.

The East & West Central Europe ISAE Regional Meeting – reviewed by Dr. Edna Hillman

About 75 people joined the East and West Central Europe ISAE Regional Meeting in May at the Institute for Animal Welfare and Animal Husbandry, Celle (Germany), mainly from Germany, Austria, Czech Republic, Hungary and Switzerland. The meeting was organised by Gudrun Illmann, Prague and Lars Schrader, Celle. The location was very good, in terms of offering enough space for both, the scientific program and cheap accommodation for many people. Highlights of the meeting were (in my opinion) the plenary talks given by Hans Erhardt, Edinburgh UK, Hanno Würbel (Giessen, D) and Björn Forkman (Frederiksberg, DK) and the workshops on Saturday afternoon. Two of the workshops dealt with the topic of behavioural tests and their interpretation, given by Hans Erhardt and Hanno Würbel. We discussed, which behavioural tests people conduct and what for. The conclusion was that behavioural tests, eg Open Field, Novel Object, Startle, Human Approach, Social Encounter, Backtest etc are often conducted without the knowledge how to interpret the results. The third workshop was on "Statistical analysis of the within and between relationship of data from individuals", given by Lorenz Gygax, Tänikon CH. The manageable number of participants and the relaxed atmosphere allowed fruitful discussions. Last but not least, the social evening was very well organised, including Irish Folk live music. The scientific program was quite densely packed but anyway it was interesting and there were enough coffee breaks (in front of the posters) to recreate and talk to people. Altogether, it was a rather "classical" meeting, but a really successful one. As far as I know, no date or location for the next meeting was fixed.

Legal Scene

by Dr. Bill Jackson, MRCVS DVSM DrMedVet Barrister

The UK Royal College of Veterinary Surgeons (RCVS) on 14 December 2006 suspended a Cheltenham Veterinary Surgeon Mr John McKenna MRCVS to 28 days suspension for docking puppies' tails contrary to the RCVS Guide to Professional Conduct. I believe this may be the first such suspension although cases have been brought by the RCVS against veterinary surgeons in the past.

Mr McKenna had described the procedure to the owner of the dogs as “cosmetic” so he knew he was docking to conform to fashion and for no truly prophylactic or therapeutic reason’. Giving expert evidence at the hearing Professor David Morton MRCVS described the tail-docking in these circumstances as an unacceptable mutilation that had no therapeutic or prophylactic reason. Advising the Committee of his views on the pain and suffering experienced by puppies that undergo tail-docking he stated “Only when the harms done are outweighed by the advantages realistically sought can docking be justified.”

For more information, contact Bill Jackson at member@sanctuarystreet.wanadoo.co.uk.

Courses and Training in Ethology

In Utrecht, the international MSc-track Ethology and Welfare (2 years) is open for students with a BSc in Life Sciences. Info and other entry requirements can be found at:

<http://www.animscisoc.nl/html/msc-program.html>. Information can also be obtained from F.H.deJonge@vet.uu.nl.

Moulton College in the UK is now offering a course-based MSc in Animal Welfare. Detailed information is available on their website, which you can get to by clicking [here](#).

The h-index: assessing applied ethologists by the numbers

The *h* index: assessing applied ethologists by numbers - by Hanno Würbel

Division of Animal Welfare and Ethology, Justus-Liebig-University of Giessen, Germany

Funding agencies and promotion committees are increasingly keen on using quick and simple measures to quantify the research performance of scientists. Here, I examine whether the latest such measure – the citation-based *h* index proposed by Hirsch (2005) – is suitable to assess research performance of applied ethologists. I suggest that *h* and the age-corrected measure *m* may be useful yardsticks. However, they should be used with caution (i) because both *h* and *m*

may be inflated by contributions outside applied ethology, (ii) because of the comparatively low impact of applied ethology research, and (iii) because of its applied nature.

Introduction

The strive for quick and simple measures of complex phenomena is not unfamiliar to most applied ethologists. On-farm assessments of animal welfare and high-throughput behavioural tests of complex endophenotypes are among the latest developments in this respect. Because of that, we may be particularly well aware of the difficulties and dangers inherent in such a task. Assessing a scientist's research performance by a single number is an equally difficult and dangerous task, and somehow distasteful. As a matter of fact, however, performance indices are becoming increasingly popular in the promotion of scientists to group leaders and professors, and in the allocation of research money by funding agencies. It may therefore be useful to examine whether such measures provide meaningful information about the research performance of applied ethologists.

Recently, *Nature* (Ball 2005) and *Science* (Holden 2005) promoted the new citation-based h index developed by Hirsch (2005) as the currently best measure for these purposes. The h index of a scientist is defined as the maximum number of papers h by that scientist, that have received at least h citations. The number h can be easily computed (another important advantage) using Thomson Scientific's Web of Science or a similar database by sorting papers by numbers of citations. The h index is the rank of the last paper with a citation number equal or greater than the rank of that paper. For example, if you are an author of 19 papers each of which has been cited at least 20 times, but your 20th most cited paper has only been cited 18 times, your h index is 19.

It is obvious that h depends on scientific age a , defined as the number of years since the first paper has been published, because both the number of papers published and the number of citations of each paper increase over time. Although papers do not accumulate citations at a fixed rate, a strong correlation between h and a has been demonstrated for different fields of research (Hirsch 2005, Kelly and Jennions 2006). To compare scientists of different scientific ages, h therefore has to be divided by a to obtain the age-corrected measure m , which reflects the speed at which h increases.

The advantage of h over other measures of research performance is that it rewards the production of a stream of influential papers rather than a few influential reviews (that inflate the total citation count) or masses of papers that are soon forgotten (but inflate the total publication record; Kelly and Jennions 2006). Furthermore, self-citation appears to have little effect on h , and h seems difficult to manipulate and so does not reward low productivity and penalize high productivity as in the case of number of citations per paper (Hirsch 2005). What is clear, however, is that h cannot be directly compared across disciplines. For example, Hirsch (2005) found that top physicists have h indices between 60 and 110, whereas top biomedical scientists reach much higher h indices (120-197; yes, Solomon H. Snyder did author 197 papers each of which has been cited at least 197 times!). In contrast, top evolutionary biologists/behavioural ecologists reach much lower h indices (mean $h=45 \pm 11.4SD$; Kelly and Jennions 2006). Similarly, m varies greatly between disciplines: 1.41-3.89 for top physicists (Hirsch 2005) versus 0.52-1.89 for editorial board members of top Ecology and Evolution journals (Kelly and Jennions 2006). Importantly, m can vary wildly during the early years of a career (Kelly and Jennions 2006) and should therefore only be used to compare fairly established scientists of different age. To compare younger scientists h is preferable, although both measures become increasingly reliable as scientific age advances.

The h indices of applied ethologists

To examine whether the h index gives meaningful information about research performance in applied ethology, I determined h and m for a total of 49 applied ethologists. This subset was not randomly drawn from the entire population of applied ethologists, but consists of three specific subpopulations that may allow us to make some relevant inferences about the meaning of the h index with respect to applied ethology.

The sample

First, I was looking for some kind of senior scientific elite in applied ethology. Because I could not find enough Nobel Prize winners, I chose instead to include (1) the David Wood-Gush Memorial lecturers ($n=9$). Of the 13 Wood-Gush Memorial lecturers, I had to exclude Shigeru Watanabe, as he is unlikely to be an author of the more than 8,000 papers listed under this name. Furthermore, I excluded Ilan Golani, Bernie Rollin and Fred Toates because the label applied ethologist would not do them justice. Next, I was looking for a slightly different (although overlapping) senior elite, characterized not merely by scientific excellence, but by a strong dedication to the field of applied ethology. Therefore, I decided to include (2) the Presidents of the ISAE since 1980 ($n=14$). Of the 17 Presidents listed in the ISAE documents, I had to exclude B.A. Baldwin, whose publication record I could not determine with sufficient certainty. Also excluded from this subset were Ian Duncan and Jan Ladewig who were already included in the Wood-Gush Memorial lecturers. Finally, I chose to include (3) the members of the Editorial Board of Applied Animal Behaviour Science (AABS, $n=26$). Editorial board members represent neither the average researcher, nor the absolute elite, but they are usually successful researchers in a field (Kelly and Jennions 2006) with which others may wish to compare their own performance. Of the 43 board members currently listed in the journal, I had to exclude 11 from further analysis because they were either too young ($a < 10$ years) to yield meaningful indices or because I failed to determine their publication record with sufficient certainty due to other scientists carrying the same name. Also excluded from this subset were six scientists who were already included in one of the other two subsets. In all three subsets only scientists of scientific age of at least 10 years were included to avoid spurious results.

The method

Using the 'general search' command on Thomson Scientific's Web of Science, I calculated h and m for each of these 49 scientists. To calculate m , I calculated h/a , with a representing scientific age measured as the year 2007 minus the first year in which an author had authored at least two papers. Hirsch (2005) proposed to use the year of publication of the first scientific paper listed in the Web of Science. However, Kelly and Jennions (2006) argued that the first year in which at least two papers get published may be a better indicator of the true onset of a scientific career. I did my best to exclude papers of scientists carrying the same names as those I was looking for and assume (i.e. hope) that unavoidable errors did not affect my analysis in any significant way.

Results and Discussion

Figure 1 demonstrates that h is strongly correlated with scientific age among this subset of applied ethologists. However, compared to physics and biomedical sciences (Hirsch 2005), as well as evolution and ecology (Kelly and Jennions 2005), both h and m are considerably lower in applied ethology. Overall, h varied between 4 and 34 (mean=16), and m varied between 0.21 and 1.1 (mean=0.65).

Figure 1 further demonstrates that Wood-Gush Memorial lecturers indeed represent a scientific elite among this subset of applied ethologists, as their h values are clustered above the regression line for the entire sample. By contrast, the Presidents of the ISAE are clustered below this regression line, indicating that one does not need to be a top researcher to take a lead in applied ethology.

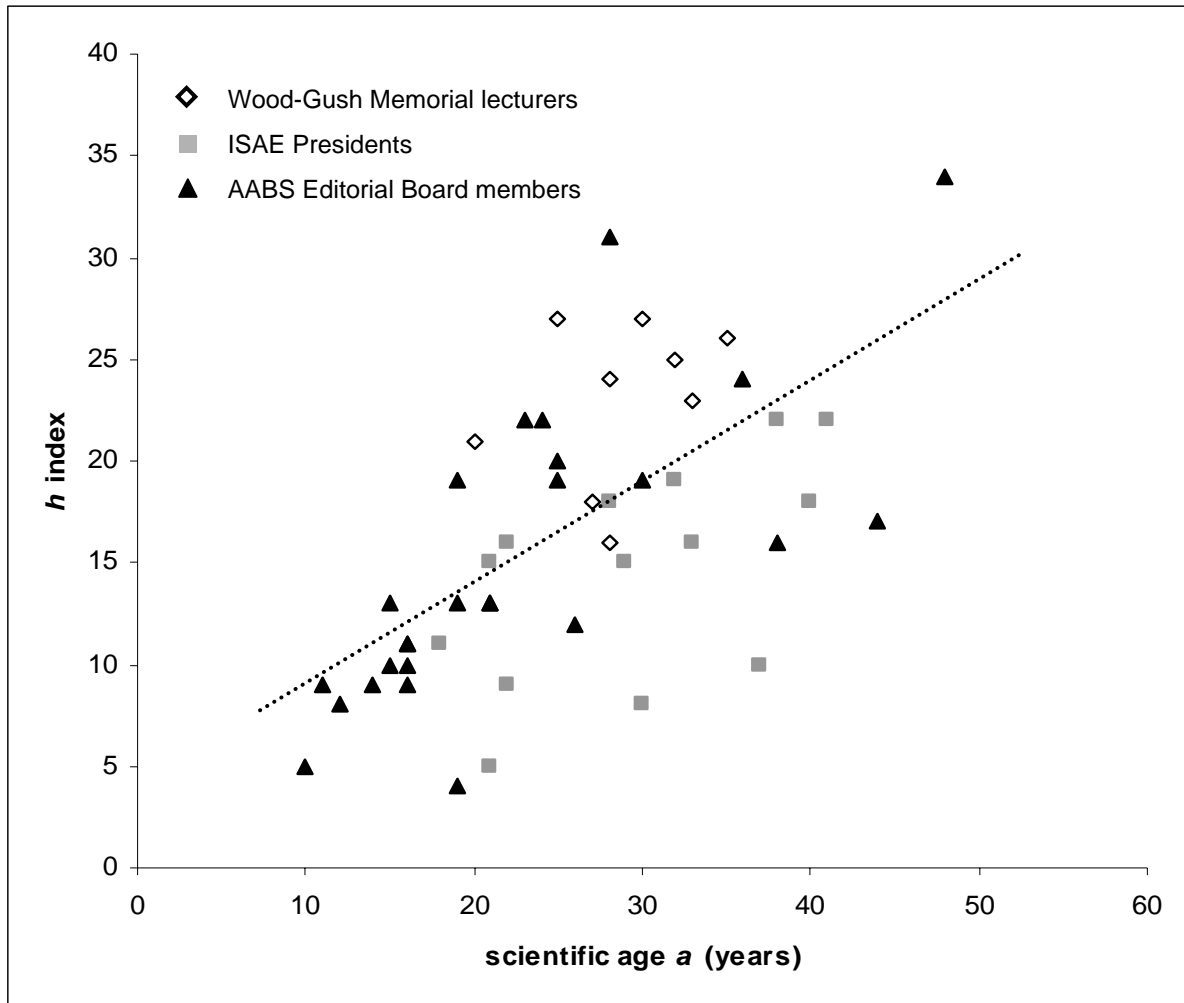


Figure 1. Relationship between the h index and scientific age a for a sample of applied ethologists ($n=49$) including Wood-Gush Memorial lecturers ($n=9$), ISAE Presidents ($n=14$) and AABS Editorial Board members ($n=26$). The dotted line represents the regression line for the entire sample.

Next, I computed Top Ten lists for both h and m indices (Table 1). According to the Top Ten h list (Tab 1, left side), Paul B. Siegel is the top applied ethologist to date, with an h index of 34 (i.e. 34 papers each with at least 34 citations). I assume that most would agree that all scientists listed in the Top Ten h list are highly respected applied ethologists, all of whom had a major impact on our field of research (many of them also gave Wood-Gush Memorial lectures, and for those who have not, this list may increase their chances for the years to come...). Nevertheless, there are also some highly respected applied ethologists, namely former Presidents of the ISAE, whose h indices are comparatively low (e.g. Linda Keeling: 11, Henrik Simonsen: 10, Marek Spinka: 9, Hans-Hinrich Sambras: 8, Herman K. Wierenga: 5).

Table 1. Top Ten lists of h and m indices for a sample of applied ethologists ($n=49$) including Wood-Gush Memorial lecturers ($n=9$), ISAE Presidents ($n=14$) and AABS Editorial Board members ($n=26$).

Rank	Name	h index	Rank	Name	m index
1	P.B. Siegel	34	1	R.B. Jones	1.11
2	R.B. Jones	31	2	J. Rushen	1.08
3	J. Rushen	27	3	A.B. Lawrence	1.05
	P.H. Hemsworth	27	4	D.M. Weary	1.00
5	I.J.H. Duncan	26	5	H.J. Blokhuis	0.96
	D. Fraser	26	6	M.C. Appleby	0.92
7	P. Jensen	24	7	P.H. Hemsworth	0.90
	K.A. Houpt	24	8	X. Boivin	0.87
9	M.S. Dawkins	23	9	P. Jensen	0.86
10	D.M. Broom	22	10	J.J. Cooper	0.82
	P. Wiepkema	22			
	H.J. Blokhuis	22			
	M.C. Appleby	22			

Because the h index is age-dependent, I also computed the age-corrected Top Ten m list (Tab. 1, right side). In contrast to the Top Ten h list, the Top Ten m list includes several younger scientists who are likely to invade the Top Ten h list later in their careers. Corrected for age, R. Bryan Jones is the applied ethologist who on average increased his research performance at the greatest pace. Compared to him, several of those listed in the Top Ten h list, including several Wood-Gush Memorial lecturers, have considerably lower m indices (e.g. David Fraser: 0.78, Ian J.H. Duncan: 0.74, Paul B. Siegel: 0.71, Marian S. Dawkins: 0.70, Katherine A. Houpt: 0.67, Donald M. Broom: 0.58, Piet Wiepkema: 0.54).

Conclusions

From this exercise I conclude the following:

1. The positive correlation between h and scientific age a indicates that the h index reflects research performance of applied ethologists in an age-dependent manner comparable to other fields of science (cf. Hirsh 2005, Kelly and Jennions 2006).
2. The fact that Wood-Gush Memorial lecturers have higher than average h indices indicates that h reflects scientific merit in a way that is consistent with an overall assessment of scientific merit by the ISAE itself (or, in fact, the ISAE conference organisers).
3. The fact that some highly respected scientists of the ISAE have relatively low h indices and that some of the most influential applied ethologists have relatively low m indices indicates that these indices should be interpreted very cautiously.

Taken together, the h index and the age-corrected m index may be useful indicators of research performance of applied ethologists. However, some caution may be warranted because both h and m do not discriminate between applied ethology research and other kinds of research conducted by the same scientist, and because other relevant contributions are not reflected by h or m . For example, some applied ethologists may have started their career in conventional biomedical sciences such as behavioural neuroscience or psychopharmacology (e.g. Berry Spruijt, not included in this analysis). Thus, their indices do not (exclusively) reflect their

research performance in applied ethology. Furthermore, papers of applied ethologists, especially those working with the classical laboratory animals mouse or rat, may get highly cited by the huge community of biomedical scientists – not necessarily for aspects related to applied ethology or animal welfare, however, but simply because they provide relevant information on laboratory animals or animal models of human diseases. My own research may serve as an example here. Some of my papers on housing effects on brain and behaviour in mice and rats get cited by scientists using e.g. barren cageing or social isolation to model specific pathological states in humans (e.g. in ageing and schizophrenia). On the other hand, the publication of books or book chapters has no effect on h and m (apart from reducing the time available for the production of papers that do affect h and m), but may still have a major impact on applied ethology research.

Furthermore, applied ethology is a field of research with a comparatively low impact. Therefore, self-citations are likely to have a greater effect on h and m compared to fields of research with a higher impact. Because cleaning h and m from self-citations is difficult and very time-consuming, I did not examine this point further. However, this extra work may be justified in cases where a limited number of scientists has to be assessed e.g. by a funding agency or a promotion committee.

Finally, the comparatively low h and m indices of applied ethologists may not only reflect the small size of our research community, but also the limited impact of our research on research outside this community. A major reason for this may be that most applied ethology papers get published in specialized journals that do not enjoy broad readership. Nevertheless, considering that the annual meeting of The Society for Neuroscience is attended by some 30.000 scientists, which suggests that the number of scientists who could potentially cite a paper is about 100 times higher than in applied ethology with its 300 attendants of the annual ISAE meetings, our h indices that are only about 5 times lower than those of neuroscientists do not actually look that bad.

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ISAE Underdeveloped Regions Initiative

ISAE underdeveloped regions initiative - by Marek Špinka

Allow me to suggest for your consideration an initiative that would attempt to incite ISAE activity in so-far largely untouched areas.

THE PROBLEM.

There is a striking disproportion between, on the one side, the need for and potential of applied ethology in underdeveloped regions of the world, and the near-to-zero activity of ISAE in these areas, on the other.

DESCRIPTION OF THE SITUATION.

A. ISAE inactivity

- ISAE has very few members from underdeveloped regions
- Almost no contribution from these regions at ISAE congresses
- Very few articles in AABS

B. The need and potential of applied ethology in underdeveloped countries

- vast numbers of captive animals are being managed by humans in the underdeveloped regions of the world
- there is a potential for improvement of welfare of these animals through providing applied ethology knowledge and supporting targeted research
- there is potential for improving the human condition and reducing negative/strengthening positive impact of animal husbandry on environment through providing applied ethology knowledge and supporting targeted research

C. Obstacles and constraints

- few contacts in these regions
- gap in education and research level between the core ISAE regions and the underdeveloped countries. Partnership based on equality but acknowledging that currently skills are on different levels
- different concerns, values, priorities in relation to animals, therefore different challenges, different research topics
- logistical difficulties due to lacking communication and academic infrastructure, language problems, obstacles for movement of persons (health, visa, funding)
- scientists from traditionally more active regions may be concerned that involvement in such an initiative might reduce their own momentum in the ever-present push to improve their publication rate.

D. Opportunities

- existing, although dispersed, foci of high quality applied ethology research (and extension?) on animals in underdeveloped regions
- more systematic scientific knowledge and expertise probably exists in related fields (e.g., animal health/epidemiology, feeding/metabolism, health stress/resistance, land use/animal movements etc.) to which applied ethology research/extension can link
- potential to cooperate with other bodies (governmental, international (e.g., OIE, FAO), NGOs (e.g. developmental agencies, welfare organizations,), corporate),
- overall willingness and support in the international community to invest knowledge in underdeveloped regions, therefore possibilities to obtain funding
- for applied ethology, it is an opportunity to enlarge its focus, i.e. to promote also other clusters of knowledge beside the welfare science of intensively kept livestock in developed countries. It would be a healthy challenge that would check the appropriateness of the patterns of thinking and methods used in applied ethology. This would feed back positively on the richness of concepts and methods used in applied ethology, thus contributing to the

depth, scope and comprehensiveness of knowledge contained and developed in applied ethology

- interdisciplinary links will be strengthened to disciplines like ecology, sociology etc.

SUGGESTED THREE FIRST STEPS:

1. Establish an open forum (<http://www.voy.com/209737/>) for ISAE members – and interested persons outside ISAE – for expressing opinions, giving ideas and suggestions, raising concerns and objections etc. Maybe we can use the ISAE discussion forum. But I can imagine that specific people who are (currently) not ISAE members may contribute hugely through their experience of having made behaviour research on captive animals in Africa and elsewhere. The main points to be discussed will be:
 - a. Issues to focus upon
 - b. Research strategies to tackle the issues
 - c. Organizational, funding, management strategies to support the research

Duration: 4 months (December 2006 – March 2007)

2. Establish a structured Initiative Group (at the March 2007 Council meeting) that will review and organize the information gathered in point 1. and suggest specific actions by ISAE. These should be, at least in the first stage, limited-scale, specific, concrete, feasible undertakings. On the part of ISAE, the actions may include, for instance, encouraging and facilitating initiative and communication, attracting members from underdeveloped countries and enabling them to link to specific applied ethology research teams, organize workshops at ISAE congresses, teaming up with other bodies to organize workshops or targeted conferences, preferably within the underdeveloped countries themselves, promoting review presentations and journal papers. The eventual goal is to establish, sustain and promote applied ethology research in the underdeveloped countries.

Duration: 4 months (April – July 2007)

3. Discussion, modification and approval of the Initiative Group proposals by the Council at the August 2007 meeting. The initiative remains open to inputs from within and from outside of ISAE but the core action(s) are approved and start to being realized. These actions should either prove as the proper crystalizing seeds for more sustained and wider scale activities or, if they do not succeed in full, pinpoint the weaknesses and constraints that were not taken into account.

Duration: 8 months (August 2007 – March 2008)

Welfare Quality



Welfare Quality[®] (2004-2009) is a research project focusing on animal welfare that is funded by the EU Commission. The aims of Welfare Quality[®] are:

- to develop practical strategies to improve animal welfare,
- to develop a European on-farm welfare assessment standard,
- to develop a European animal welfare information standard.

Several horizontal activities have been designed to support the research activities of Welfare Quality®. One of them is a *Training and mobility* desk which aims to facilitate the laboratory training of research staff. This activity is mainly targeted at young researchers, especially those looking for a postgraduate or a post-doctoral position.

We all know how a challenging task it is to carry research projects. Although scientific knowledge and many techniques can be learned at school and university, the most effective ways of organising research and your time are acquired in the laboratory. Also some people may have to accept from such experience that research is not really their thing. For these reasons, to find a training lab for a student or a young researcher as well as to find the right person to do a research task are extremely important.

The *Training and mobility* desk helps young researchers build and realise their professional plan in animal welfare. Information is provided on the areas of expertise of the partners of Welfare Quality® and of the former COST Action *Measuring and monitoring farm animal welfare* (COST Action 846), on potential sources for financial support, and on associated considerations, such administrative constraints for positions abroad. This information is provided on the website of WelfareQuality® (address below). As a first step a Self-Evaluation-Questionnaire is used to help applicants check if they are ready or suitable for a career in research. Individual follow-ups are then proposed. Firstly, undergraduate students are provided with information on available PhD positions in accordance with their actual expertise and motivations. Secondly, more experienced researchers receive focused individual evaluation and assessment of personal skills, motives and plans by an external company specialising in the training and recruitment of qualified personnel (APEC, France). This help is given free of charge within the budget limits of Welfare Quality®.

The *Training and mobility* desk can also help host institutions to refine their needs in terms of human potential and to find competent young researchers. For partners of Welfare Quality®, this sort of support is free of charge. For other groups, the cost depends on the number of applications we have to deal with, but is generally about 1500 €

Twenty eight young researchers have already contacted the *Training and mobility* desk from which 23 received follow-up assistance. Twelve found a PhD or post doc position directly (8) or indirectly (4) because of the support from the *Training and mobility* desk. We helped to select candidates for 7 positions (1 master's position, 4 PhDs, 1 post-doc). Both the candidates and the host institutions reported that they greatly appreciated the professional help received from the *Training and mobility* desk.

For more information and contact with the ***Training and Mobility*** desk: visit
<http://www.welfarequality.net/everyone/27181>
or contact Isabelle VEISSIER (veissier@clermont.inra.fr)

For more information on WelfareQuality®: www.welfarequality.net

Collaborators wanted for an international study investigating perceptions of animal welfare issues across different cultures

We are currently seeking country representatives, i.e collaborators, for a global animal welfare research project. This project is being conducted by the Centre for Animal Welfare and Ethics at the University of Queensland and will investigate differences in perceptions of animal welfare issues of people from different cultural backgrounds. It is anticipated that collaborators will be

included as co-authors in a major publication resulting from this study as recognition and acknowledgement of their contribution to this research.

What is this project about?

As globalisation increases, so does the importance of developing a better understanding of the attitudes that people living within different cultures have towards animals. Identification of differences in these attitudes will promote understanding during cross-cultural activities, such as international trade and animal protection campaigns. Furthermore, increasing our knowledge and understanding of welfare related issues should ultimately lead to a global improvement in animal welfare.

University students are the target population for this research, and opinions will be sought by use of an online survey. The reason this research focuses on university students is because 1) they are going to become the backbone of their own society in the next 5-10 years, thus their attitude towards animals will be a useful measure of how attitudes are evolving ; 2) university students have better computer skills and easier access to facilities for completing the web based survey compared with the rest sector of general public. Respondents to the survey will be asked to compare different scenarios and practices (in relation to animal welfare and other ethical issues) and provide information on their acceptance of each scenario. Participants will be questioned on a broad variety of animal issues, including welfare challenges, genetic changes, and opinions regarding the rights to freedom of choice and rights to life. Respondents will not be asked to provide opinions on culture-specific practices.

What does a collaborator do?

We require collaborators to recruit an unbiased sample of about 1000 university students to participate in the online survey in their country. They will do this by organizing volunteers to randomly approach students on selected campuses and ask those students to provide their e-mail address to participate this survey. After receiving these e-mail addresses collected, we will send the students the web address and information on how to take part in the survey.

We would like to distribute this survey to participants in as many countries as possible and therefore, participation from collaborators worldwide is an extremely important part of this project and would be welcomed and appreciated.

Contact

If you would like to apply be your country representative for this project, we would be grateful if you could forward your curriculum vitae to one of the project staff listed below. Should you need further information regarding this project please do not hesitate to contact us.

Miss Jia Meng (j.meng@uq.edu.au)
Principal investigator
Tel +61 (0)7 3365 2940

Prof. Clive Phillips (c.phillips@uq.edu.au)
Project director



Dr Nicki Cross (n.cross@uq.edu.au)
Research Fellow

Judging Animal Welfare

The 6th annual Intercollegiate Animal Welfare Judging/Assessment Competition to be hosted at Michigan State University, East Lansing, MI, USA on March 31 and April 1, 2007. For more information, please see our web site at <http://www.canr.msu.edu/animalwelfare/AWJC/AWJC.htm> or heleski@msu.edu, 517/355-8427.

Employment Opportunities

Employment opportunities related to applied ethology that are brought to the attention of the Communications Officer, are posted to the ISAE Home Page free of charge. Below is a list of positions currently available. Please check the ISAE Home Page for further details and for application deadlines: <http://www.applied-ethology.org/employment.htm>.

Other employment opportunities available:

Research Assistant Welfare and behavior of cattle	University of California Davis, CA, USA	Cassandra Tucker cbtucker@ucdavis.edu
Assistant Professor Housing systems for farm animals, especially laying hens	Swedish University of Agricultural Sciences	Ragnar Tauson ragnar.tauson@huv.slu.se
PhD Studentship Testing aviary systems for laying hens	ZTHZ, Zollikofen, Switzerland, (courses at the University of Vienna, Austria)	Ernst Froehlich ernst.froehlich@bvet.admin.ch
PhD, Pet Care Behavioral Scientist	The Procter & Gamble Company, Iams Division, Lewisburg, OH, USA	Brenda Cromer cromer.bh@pg.com
Scientist, Pet Behavior Care Specialist	The Procter & Gamble Company, Iams Division, Lewisburg, OH, USA	Jessica Williams williams.jl.6@pg.com
Assistant Director Animal Welfare Division	American Veterinary Medicine Association, Shaumburg, IL, USA	Lori Keane lkeane@avma.org
Animal Welfare Scientist	American Veterinary Medicine Association, Shaumburg, IL, USA	Lori Keane lkeane@avma.org
Applied Animal Behaviorist Clinical ethology	The American Society for the Prevention of Cruelty to	ASPCA Human Resou hr@apcc.aspc.org

	Animals (ASPCA)	
Instructors, on-line courses, MSc, companion animal behavior counseling	Various (see the PDF)	American College of Applied Science (View PDF)
Welfare Quality help in training and mobility for young researchers	Various (See details for more information)	Dr. Isabelle Veissier veissier@clermont.inra.fr
Software & Instrumentation Sales Engineer Neuroscience & Zoology	Noldus Information Technology, USA	Bart Van Roekel bart@noldus.com

41st Congress of the ISAE in Mérida, Mexico

www.isae2007.com

INVITATION: On behalf of the Faculties of Veterinary Medicine of the National Autonomous University of Mexico (UNAM) and the Autonomous University of Yucatan (UADY) we cordially invite you to attend the 41st Congress of the International Society for Applied Ethology to be held in Mérida (Yucatan), Mexico **from July 30 to August 3, 2007**. Mérida is safe place to visit located 40 km from the coast and 300 km from Cancun.

TOPICS: Main theme: Applying ethology to animal and ecosystem management.

Main topics: Livestock extensive systems and ecosystem management
Cognition, Emotion and Animal Welfare
Applied Ethology and Conservation
Animal Welfare and Production related diseases
Research on Clinical Ethology
Free papers

The scientific program will include the Wood-Gush Memorial lecture, as well as 5 plenary talks, parallel sessions, poster exhibition and workshops.

IMPORTANT DATES:

Opening of abstract submission	December 1st 2006
Opening of registration	January 15th 2007
Deadline for abstract submission	February 19th 2007
Deadline for Congress Attendance Fund	March 2nd 2007 (click for more information)
Deadline for HSUS Travel Award	March 5th 2007
Finishing review of abstracts	April 14th 2007

Future meetings

ISAE Meetings

- **Nordic Regional Meeting of the International Society for Applied Ethology**
January 24-26, 2007 in Skara, **Sweden**
- **International Society for Applied Ethology – 41st Congress**
July 30 to August 2, 2007 in Mérida, **México**
- **42nd International Congress in Dublin, Ireland**
Dates to be announced, 2008
- **43rd International Congress in Australia**
Dates to be announced, 2009
- **44th International Congress in Upsalla, Sweden**
Dates to be announced, 2010

Other Meetings

Other meetings of potential interest can be found on the Applied Ethology Home Page:
<http://www.usask.ca/wcvm/herdmed/applied-ethology/meetings.htm>

2007

- **Society for Integrative and Comparative Biology**
January 3-7, 2007 in Phoenix, AZ, **USA**
- **Proactive approaches to controversial welfare and ethical concerns in poultry science**
January 23, 2007 in Atlanta, GA, **USA**
- **Southeastern Ecology and Evolution Conference**
March 16-18, 2007 in Orlando, FL, **USA**
- **Crane Seminar: Cognition and emotions in animals**
April 10-14, 2007 in Skara, **Sweden**
- **Animal Transportation Association – Annual meeting**
April 25-27, 2007 in San Diego, CA, **USA**
- **Caring During Crisis: Animal Welfare During Pandemics and Natural Disasters**
April 29 to May 1, 2007 in Guelph, ON, **Canada**

- **Second Annual Welfare Quality Stakeholder Conference**
May 3-4, 2007 in Berlin, **Germany**
- **Agriculture, Food and Human Values Society**
May 30 to June 3, 2007 in Victoria, BC, **Canada**
- **International Veterinary Behaviour Meeting** – 6th Annual
June 17-19, 2007 in Riccione (Rimini), **Italy**
- **International Congress in Animal Hygiene - XIII**
June 17-21, 2007 in Tartu, **Estonia**
- **Society for Behavioral Endocrinology** – 11th Annual
June 21-24, 2007 in Pacific Grove, CA, **USA**
- **Society of Veterinary Behavior Technicians** – Annual meeting, during the annual the AVMA meeting
July 15, 2007 in Washington, DC, **USA**
- **American College of Veterinary Behaviorists / American Veterinary Society of Animal Behavior** – Joint meeting, during the annual AVMA meeting
July 16, 2007 in Washington, DC, **USA**
- **Animal Behavior Society**
July 21-26, 2007 in Burlington, VT, **USA**
- **International Equitation Science Symposium** – 3rd Annual Meeting
August 13-15, 2007 in East Lansing, MI, **USA**
- **XXX International Ethology Conference**
August 15-23, 2007 in Halifax, NS, **Canada**
- **Eursafe 2007 – Sustainable Food Production Ethics**
September 13-15, 2007 in Vienna, **Austria**
- **XXI International Bioacoustics Congress**
September 15-17, 2007 at the University of Pavia, **Italy**
- **International Society for Anthrozoology** – 16th Annual Meeting
October 4-5, 2007 in Tokyo, **Japan**
- **International Conference on Human-animal Interactions** – 11th Meeting
October 5-8, 2007 in Tokyo, **Japan**
- **International Zoo and Wildlife Research Conference on Behaviour, Physiology and Genetics** – 6th Meeting
October 7-10, 2007 in Berlin, **Germany**
- **International Veterinary Academy of Pain Management** – Annual Meeting
November 1-3, 2007 in Montreal, QC, **Canada**

- **German Veterinary Society – Applied Ethology Section** – 39th International Meeting
November 22-24, 2007 in Freiburg, **Germany**

2008

- **International Workshop on the Assessment of Animal Welfare at Farm & Group Level** –
4th Meeting
September 11-13, 2008 in Ghent, **Belgium**

CALL FOR PAPERS

German Veterinary Society – Section of Applied Ethology – 39th International Congress
Freiburg, Germany, 22 - 24 November 2007.

The programme of the 2007 meeting will include sessions on the following topics:

1. HOUSING FOR DOMESTIC AND WILD CATTLE
2. MOTIVATIONAL ASPECTS OF NORMAL AND DISTURBED BEHAVIOUR
3. AUTOMATIC RECORDING OF DATA
4. FREE PAPERS Preferred are innovative contributions on the behaviour of domestic/captive animals and animal husbandry.

There will be a brief meeting of the ISAE-Regional-Group West Central Europe at the congress.

CALL FOR PAPERS: Abstracts in German or English must include topic, title, author(s) and affiliation, and should contain sufficient information on objectives, methods, sample size, results, conclusions and implications of the study.

DEADLINE for the submission of abstracts for oral presentations (15 min presentation and 15 min discussion) or posters is **15 April 2007**. Abstracts (one page, no figures/tables/references; please assign your abstract to one of the topics) should be sent (e-mail or hard copy by post; no fax please) to:

Dr. U. Pollmann,
Deutsche Vet.-Med. Gesellschaft, Am Moosweiher 2, D- 79108 Freiburg, Germany
E-mail: ursula.pollmann@cvuafr.bwl.de, Website: <http://www.cvua-freiburg.de/dvg>

The congress committee will select approx. 25 contributions based on the information provided in the abstracts. Studies that have already been published will not be considered. Authors will be informed about acceptance or rejection of their offers in June 2007, along with a provisional programme and information about registration. There is no congress fee for those giving an oral presentation. For other participants the congress fee (including proceedings) will be about Euro 120 (for students Euro 35). Following the congress, all accepted contributions will be published (approx. 10 pages for each oral presentation, abstracts of posters, in German or English) in a conference report by KTBL/DVG, Darmstadt, Germany.

For further information please contact Dr. U. Pollmann, Tel.: 0761/1502-177, e-mail:
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