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## International Society for Applied Ethology

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Ute Knierim (96-99)

Cheryl O'Connor (97-00)

Paul Koene (97-00)

Birte Nielsen (98-01)

Chris Sherwin (98-01)

#### ISAE newsletter

Edited by John Eddison

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Deadlines: late February for March issue;  
late September for October issue.

### What's New ?

Reading a French book<sup>1</sup> published in 1732 made me consider the new knowledge we are revealing in the field of Applied Ethology. This book is about all farming topics including farm animals. I think that it gives some ideas how the farmers were dealing with the farm animals at that time not only in France but in many parts of the world. I have collected some extracts related to animal behaviour:

#### Man-animal relationships

" concerning the shepherd, he has to be vigilant, robust and alert but also gentle, patient and fond of his sheep "

" if the ox is restive, you have to take a stick coming from the fire and to beat its bottom to oblige it to move "

#### Grazing

" ... cattle like to change their areas of pasture and in big fields half of the grass is lost as they always go to the more tender one when the older grass died down..... That is why it is necessary to make quarters in the field. "

#### Reproduction (ram effect)

" Despite the fact that ewes do not come in heat before the All Saints' Day, rams are so "hot" when they see the ewes that they make them all pregnant at any time when they are free".

The oldies had some knowledge and so we are not always making discoveries. That was not only true two centuries ago, but it is still the case and we should be more active in collecting and interpreting that knowledge.

It might not always be expressed in the academic way but it is the result of a lot of experience. That approach has been developed for the nomads in developing countries and we had a good example of such a study during the Clermont ISAE meeting (Stephen Hall's presentation). This approach is much less developed in our 'developed' countries. I wonder why we have difficulties in utilising such works. Such an approach could have several interests: we could collect important information; and the role of the stockperson could be recognised as an important and positive part of the environment of the animals and not a nuisance.

We can all agree that the shepherd should be fond of his sheep; and we will not accept the use of a burning stick to make the animals move and reject it as being cruel. We are not driven by the same ethical perspective as they were at that time. But do we have really a common ethical perspective?

The "ram effect" is clearly described in the last extract. That ram effect was only really accepted and developed when some of the underlying mechanisms were described by

Australian scientists. We do need to seek as much as possible the key elements which explain the behaviour we observe.

It is surprising to see how those old books can be a valuable source of information when we are willing to read them not just with the scientific words of today. Not all is new, but we can answer those questions with our ethical perspective, which should be clear, and try to sort out the underlying mechanisms.

'La nouvelle maison rustique ou economie générale de tous les biens de campagne la manière de les entretenir et de les multiplier. Sieur Liger, 1732, à Paris, chez Claude Prudhomme.

*Pierre Le Neindre*  
*ISAE President*

## ISAE Council *news*

At the 1999 AGM which will take place in Lillehammer, Bjarne Brastad and Ute Knierim will have completed their periods as ISAE Council members. Council, therefore, requests nominations for the two places that will be vacated. Please send further nominations (which should include the names of the proposer and seconder, along with the agreement of the nominee) to me before July 1st 1999.

*Linda Keeling*  
*ISAE Secretary*

### Regional Secretaries

Australasia/Africa:	Lindsay Matthews	Scandinavia:	Knut Bøe
Benelux:	Harry Blokhuis	South America:	Luis Pinheiro
Canada:	Alison Taylor	UK/Ireland:	Libby Hunter
East Central		USA:	Julie Morrow-Tesch
Europe:	Marek Špinko	West Central	
Mediterranea:	Elisabetta Canali	Europe:	Hanno Wüerbel
East Asia:	Shusuke Sato		

### Regional Secretary Vacancy

I intend to resign as UK/Ireland Regional Secretary at the end of the year. Anyone who is interested in taking over the post should contact me in the first instance to find out what is involved.

*Libby Hunter*

Cambac JMA Research, Manor Farm, Draycot Cerne, Nr. Chippenham, Wilts SN15 5LD. Tel: 01249 758868; Fax: 01249 750143; email: libby20@aol.com

### Fly on the wall

The faithful fly made it to France this year to place itself strategically on the wall of the Council meeting room at Clermont Ferrand and is now reporting back on what it overheard. As the Society gets bigger there seems to be more to discuss at the Council meetings and one of the points mentioned at the winter Council meeting, and discussed more fully this summer, was how to make Council meetings more efficient. Since Council is now used to carrying out some of its business over the Internet, reports from members were circulated via email before the meeting in France this year. This allowed more discussion time and was generally agreed to be a good idea. It was also decided to increase the number of working groups within Council. These are small sub-groups that meet to discuss specific points and make recommendations back to the full Council for final decisions. The longest serving working group is the Congress committee, which is chaired by the Senior Vice-President and consists of past and future organisers of summer congresses. An Education committee was formed last year and was expanded this year. The original aim with this group was to gather information on textbooks and videos that would be useful to teachers of applied ethology courses. It has now been expanded with a view to setting up a reference base on the ISAE web site with a wider variety of information related to all types of education. Two new working groups were also proposed during the Council meeting; a Publication committee, which will liaise between ISAE and Elsevier, and a Legislation committee, who will deal with official recommendations or comments from ISAE, at present mainly to do with Council of Europe but possibly expanded in future.

Council confirmed its commitment to encouraging young scientists and scientists from developing countries to attend meetings and is even putting money into it. It was decided that there should be a cash prize for the best student oral presentation and that the best poster prize should also be cash. This money will come from the General Fund. The Conference fund is also currently rather healthy, but this sum is intended as a buffer for future conferences. However, Council decided that whenever possible money will be made available from this fund for organiser to use towards costs for scientists with financial difficulties to attend ISAE conferences.

Membership is continuing to expand. It has increased by almost 50% in the past 5 years with the majority of new members coming from the Mediterranean/other and Nordic Regions. Lists of members from each region were circulated and methods to inform Regional Secretaries about new members in their region were also discussed. Reflecting the changing distribution of members the Orient Region has been renamed

the East Asia Region. There was summary of the different regional meetings and members were encouraged to set up their own regional meeting web sites linked to the ISAE web site and to display abstracts. In fact all members are to be encouraged to suggest links to the ISAE web site. Since setting it up, the ISAE page has been accessed 467 times [editor's note: 894 times as this Newsletter went to press] and a new addition, decided on at the Council meeting, was a short mission statement stating, "The International Society for Applied Ethology: a scientific society promoting research and education on the behaviour and welfare of animals managed by humans".

Final points for discussion were the duties of the ISAE Editor and ISAE's links with Elsevier. Following the decision for the Society to not have its own journal, there was a preliminary meeting between some council members earlier in the summer and Ken Plaxton from Elsevier. The main points from that meeting are reported in the AGM minutes.

The next Council meeting will be held over the Internet in the week 7-11<sup>th</sup> December 1998 and The Fly will be there!

Linda Keeling

## ISAE news

### ISAE Membership

#### New Members

The following new members have been approved by Council:

Satu Raussi, Finland	Fabio Napolitano, Italy
Mark Haussmann, USA	Sophie Prache, France
Marta Elena Alonso de la Varga, Spain	Ros Clubb, U.K.
Kristin Hagen, U.K.	Edward Varley, U.K.
Ana Paula, Portugal	Jessica Gimpel, U.K.
Melissa Albentosa, U.K.	Ruth Forde, U.K.
Nigel Goodwin, U.K.	Tetsuya Seo, Japan
Tina McAdie, Sweden	Charlotte Stub, Denmark
Liesbeth Bolhuis, Netherlands	Katharina Hejgaard, Denmark
E.A.M. Bokkers, Netherlands	Rayane Yammine, France
Karen Murray, U.K.	Yannick Ramonet, France
Berry Sprugt, Netherlands	Eva Sondergaard, Denmark
Christine Duvaux-Ponter, France	Susan Jarvis, U.K.
Robert Kilgour, Australia	Richard Ryder, U.K.
Jacque Capdeville, France	Paula Barry-Walsh, U.K.
Cliede Falcone, Brazil	Oliver Burman, U.K.
David Pitt, Australia	Terry Mader, USA
Sylvie Cloutier, USA	Keiko Odagiri, Japan
Jutta Korff, Germany	Volker Petersen, Sweden

### Applied Animal Behaviour Science

As a result of the strength of the Pound, the Society can offer members personal subscriptions to the journal Applied Animal Behaviour Science for UK £60.00 for the subscription year 1998. This is a reduction of UK £15.00 compared with the 1997 subscription rate. If any member wishes to take advantage of this offer, please send your payment to the Membership Secretary.

Janice Swanson  
Membership Secretary

### ISAE 1998 AGM

International Society of Applied Ethology: Minutes of the 32nd Annual General Meeting, Clermont Ferrand, France, 24<sup>th</sup> July 1998.

The meeting was chaired by Pierre Le Neindre, ISAE President, and attended by 79 people.

The President opened the meeting by pointing out that the Society was growing and becoming even more international and that with this came a need to adapt our way of working. He emphasised the importance of communication, training and teaching.

#### 1) Reports from Officers

The Senior Vice-President (Jan Ladewig) reported from the Congress Committee and especially on the decision for the Clermont Ferrand meeting that there should only be one paper per first author and that first authors should attend the meeting. It was explained that this was to restrict the number of papers given by each researcher, thereby increasing participation, and to encourage younger researchers to attend the conference. Younger researchers were described as students or those within 3 years of having taking their PhD. There was discussion and the decision was to keep the rule of one paper per first author, but that people could appeal for exceptions to this.

The locations of the next meetings are: 1999 in Lillehammer; 2000 in Florianopolis, Brazil; 2001 in Davis, California; 2002 in Utrecht, the Netherlands and in 2003 in Brisbane, Australia.

The Junior Vice-President (Joy Mench) reviewed the regional meetings that had been held in the past year. Among them, the North American meeting was held in Michigan in June and the Nordic Region a meeting in Denmark in January. In the Orient Region, the Japanese members sponsored a seminar in horse behaviour in April and there has been a roundtable entitled "Farm Animal Behaviour and Animal Husbandry in Asia" held in Seoul, Korea. The Orient Region will be renamed the East Asia Region and there are plans to re-organise the Mediterranean/Other Region.

The Treasurer (Mike Mendl) showed the state of the accounts for the past year. The balance in the General Fund is £20,318, the Conference Fund £5,170, and the Council of Europe Fund £2,388. He also announced a new award of £100 to be presented at future conferences for the best student spoken paper and that the prize for the best poster will also be £100 at future conferences. Finally, he announced that some money will be made available for conference organisers to use towards helping



scientists in financial difficulty to attend ISAE conferences. The Society has not been successful in achieving charity status. At the moment this does not affect us financially, but we may consider making the suggested slight changes in our constitution and applying again sometime in the future.

The Membership Secretary (Mark Rutter) reported that the Society has increased by 28 members bringing it to a total of 629. However 37% of members are still in arrears with their payments. He gave instructions on how to tell if you are in arrears and announced the reduced subscription to AABS for ISAE members.

In the report from the Communications Officer, John Eddison informed people about the ISAE web site. There was a link to the North American Regional meeting web site, the programme for Clermont Ferrand was included and there will be information on the next meeting at Lillehammer. He reminded people that the web site is intended to provide information about our own activities and announced that the next stage will be links to other sites of interest.

The President (Pierre Le Neindre) took up points not mentioned in the other reports. He referred to the vote taken in Prague regarding the Society having its own journal and the intention to follow up this with a postal vote. He said that this hadn't been carried out and asked those attending this AGM whether they still thought this was necessary. There were no comments and so it was decided not to carry out a postal vote. He then went on to report on a meeting between Elsevier and ISAE in Amsterdam where it was proposed that ISAE can have an impact on AABS by being involved in decisions regarding members of the Editorial Board and Editors-in-Chief and that the ISAE Editor will be responsible for regular special issues of AABS. Finally he announced that a Legislation committee has been established within Council to help prepare an organisation for ISAE with regard to Council of Europe. ISAE can expect to have increasing impact and he pointed out that the expertise that is developed within the Society with regard to policy and legislation may also be useful for non-European Regions.

#### 2) Elections to Council

The following people were re-elected to their positions Jan Ladewig as Senior Vice-President, Pierre Le Neindre as President, Joy Mench as Junior Vice-President, Linda Keeling as Secretary, John Eddison as Communications Officer. The following new people were elected to Council, Jeremy Marchant as Treasurer, Janice Swanson as Membership Secretary, Ray Stricklin as Editor, Neville Prescott as Assistant Secretary and Chris Sherwin and Birte Nielsen as the two new Ordinary Council Members.

#### 3) Conference in Lillehammer,

Information and a video were presented about the conference in Lillehammer next year. [editor's note: the first announcement for this congress is enclosed.]

#### 4) Any Other Business

Jan Ladewig pointed out that an Education committee had been established to gather in teaching material. The original plan was to make this a brochure, but it is now more likely that this information will be made available on the web site. He asked that all ISAE members help gather in information for this, especially on teaching programmes in the different countries.

A special topic at this meeting was bioethics and there was a question whether the ISAE would continue to accept papers in this area at future meetings. The reply was that all papers within and relevant to the area of applied ethology would be considered.

#### 5) Presidential Address

Pierre Le Neindre thanked the people leaving Council; Jeff Rushen, Henrik Simonsen, Mark Rutter, Mike Mendl, Inma Estevez and James Serpell. He announced that both Frank Hurnik and Barry Hughes had been offered and accepted to be Honorary members of the Society. Then, after some general words emphasising how we should all prepare actively for the future of the society while still keeping its friendly atmosphere, he thanked the people for attending the AGM.

### ISAE WWW Site

The ISAE web site (located at: <http://www.sh.plym.ac.uk/isae/home.htm>) has been established to disseminate information about the ISAE and its activities to members and non-members. The intention is that it will act both as an information resource for members and also to raise the profile of the ISAE to non-members.

In order to achieve these goals, links to other sites of interest are being added, such as those established by the different ISAE regions and conference organisers, and also non-ISAE sites that are of relevance to applied ethologists. Please pass useful addresses to me and, if you have ideas about developments that you would like to see incorporated, email them to me.

Jan Ladewig, in his address at the ISAE AGM in Clermont Ferrand referred to the Education Committee setting up a web-based resource centre where useful teaching materials could be reviewed and referenced. The success of such a resource depends upon everybody involved in applied ethology education contributing to the effort. Please contact Jan for further details.

*John Eddison  
Communications Officer*

### ISAE European Council Fund

As some of you may know a major function of my job as Assistant Secretary is to act as fundraiser for The ISAE European Council Fund. ISAE is the only scientific welfare organisation ha is invited to act as an observer to the Council's discussions. As an observer, ISAE has to fund its representatives to the Council of Europe. If you have names and addresses of potential financial supporters of this important ISAE work please do not hesitate to contact me.

*Neville Prescott*

## Help with English

The ISAE has developed a scheme for assisting members for whom English is not their first language, with preparation of manuscripts for publication in English language journals. We have had an excellent response from ISAE members offering to help - although more offers would be welcome - so we are now able to take requests from authors who would like to improve the English of their scientific articles. A list of helpers and their research interests is held by Lindsay Matthews, Animal Behaviour and Welfare Research Centre, AgResearch Ruakura, Private Bag 3123, Hamilton, New Zealand. email: MATTHEWSL@AGRESEARCH.CRI.NZ; Tel +64 7 838 5569, Fax + 64 838 5727.

Please send any requests for assistance to me giving: Paper title, Authors, Contact address (including fax and email if possible), Key words, and Journal to which the article will be submitted.

Do not send the manuscript. In return, you will receive the name of one helper. We have indicated to helpers that they should expect to be acknowledged in papers, but not to be an author.

We look forward to hearing from you.

Lindsay Matthews

## Conference Reports

### ISAE '98 at Clermont-Ferrand

The ISAE Congress took place in Clermont-Ferrand on the 21-25 July. Regarding the social aspects I had the impression that there were many participants who had known each other for years and enjoyed the opportunity to meet old friends and exchange news. For a newcomer like myself the informal, welcoming atmosphere made it easy to get to know people. We sat outside pubs on the warm summer evenings and I was pleased to get much help and advice from many of you - thanks!

Several papers in the session 'Applied Ethology and the developing countries' addressed how ethological knowledge can complement each other. The speakers explicitly took into account the broader context of the people and ecology in the regions in which they conducted their research. This was very interesting and an important reminder that to consider research in a local context is also applicable in more industrialised countries. In the session 'Ethics of animal use by humans' some papers (e.g. on pest control in New Zealand and on animal use in conservation) addressed difficult dilemmas. They showed how the above mentioned consideration of local context and the discussion of moral issues sometimes go hand in hand with the research.

I tend to hold the position that philosophers can make important contributions to Applied Ethology. Therefore I was pleased to see that there were two papers by philosophers, but they left me disappointed. Moral concerns about aspects of breeding were categorised as falling within the 'utilitarian' or 'respect for nature' views. I agree that we should analyse how moral dilemmas in Applied Ethology are intertwined with the research and linked to underlying attitudes. We need contributions from experts on such analysis. I agree that making complex patterns comprehensive involves some degree of simplification. It is, however, the moral philosopher's role to show structures in problems of value without using the simplification tool to such an extent that all complexity is lost.

The Wood-Gush Memorial Lecture was given by Bernard Rollin on anecdote and anthropomorphism in the context of scientific ideology. It is good to have a review of the important changes that have taken place since the 1960s. However, implications of the use of anecdotal evidence and subjective scores need to be considered in detail and were actually addressed by several papers at this congress. There are numerous topics in which Philosophy of Science can contribute as a critical tool. I think that we need more definitive talks which address some of our various methodological confusions.

While philosophers' talks should not, in my opinion, necessarily be cosy - conference excursions should! Mine certainly was: our group attended the afternoon milking session of the approximately 50 Salers cows on the farm of M. and Mme. Feral. The Salers have to be milked with their own calf present. The calves on this farm know the names given to them by the farmers. This permits the farmers to select the correct calves out of the collecting pen by calling their names. This was great fun!

To the organisers in France: Merci beaucoup! To supervisors: do encourage your students to come to international conferences even if they are not ready to present work yet. They will learn something, become socialised, become more realistic - and yet remain critical perhaps because they are not yet under pressure.

Kristin Hagen

### Poster Prizes at Clermont-Ferrand

The prizes for the best posters at the Congress were awarded as follows:

- First: PM Murphy, DR Lindsay & P Le Neindre. *Temperament of Merino ewes influences maternal behaviour and survival of lambs.*
- Second: RH Kauppinen, PJ Niemelä & AS Rissanen. *Adaptation of calves of dairy cow to a cold and variable micro-climate.*
- Third: F Blanc, A Brelurut & M Thériez. *Effects of space allowance on the behaviour and growth of red deer hinds and sheep reared in monospecific or mixed groups at pasture.*

Congratulations to the winners, and thanks to the judging panel.

## Report from the EAAP meeting, 24-27th August, Warsaw, Poland

At the 49th Annual Meeting of the European Association for Animal Production held on the 24th - 27th August 1998 in Warsaw, a special session was dedicated to the behaviour of horses. This session was organised and chaired by our ISAE senior vice president Jan Ladewig. Another session, dealing with the developments in pig husbandry systems and criteria for their assessment, was organised by an EAAP working group that I am chairing. In this session, material from a questionnaire on current pig housing systems and new trends was presented. Other papers were dealing with housing assessment and future perspectives on housing, considering welfare and environmental concerns. Short papers of these sessions can be obtained from the EAAP through Wageningen Pers. The main papers of the session on pig husbandry systems will also be published soon in Pig News and Information (CABI). The 50th EAAP Meeting will be in Zurich, Switzerland from 22th - 26th August 1999. For this meeting, Beat Wechsler will organise a session on the influence of animal welfare research and legislation on production, economics and consumer acceptance. Please contact Beat Wechsler (check the ISAE membership list for his address) in case you are interested to submit a paper for his session. I hope to see some ISAE members at that meeting in Zurich. I will also advertise our next year ISAE conference in Lillehammer in the EAAP Newsletter.

*Eberhard von Borell*

### articles

#### Legal Scene

##### THE LIVE EXPORT TRADE

Animal rights protesters stopped the export of live animals for slaughter from Dover. The Harbour Board there has a statutory duty to allow shipping trade. Although the Board was in breach exporters could not recover their losses from the Board. Incidentally there is no power to stop the export of animals including veal calves to Europe.

In contrast the European Court of Justice has ruled that a decision to ban the export of beef from the UK due to Mad Cow disease was valid.

##### DANGEROUS ANIMALS

In Scotland damages were claimed in a case involving a bull. Is a bull a dangerous animal?

Held: It is for the court to decide.

##### CREDIT CARDS FOR CATS

A credit card was sent to cat called Thomas. Thomas was offered 56 days interest free credit. His owner wrote to ask why Jerry his other cat had not also been offered a card.

##### POSTMAN PAT

A Rottweiler chased a mailman who claimed damages unsuccessfully. The dog was not dangerous. Even if it were the owner would have had to be aware of its characteristics if his claim were to succeed.

##### BADGERS

It is illegal in the UK to obstruct the entrance to a badger "set" save for the purpose of foxhunting. Foxes use badger setts as boltholes. It was permissible to block the holes with loose soil but large lumps of clay could not be used.

##### STRAYING CATTLE

Cattle strayed on to the road causing an accident. It was argued that an owner has no legal duty to fence cattle in. The court in Scotland said an owner could be sued if damage was caused to a third party as a reasonable consequence of such straying.

##### STRAYING RABBITS

Wild rabbits eating crops were a natural product of the soil and there could be no liability if they escaped on to adjoining land.

*Bill Jackson*

#### Book Review

*Human-Livestock Interactions: The stockperson and the productivity and welfare of intensively farmed animals* by Paul Hemsworth & Graham Coleman (1998). Published by CABI, Wallingford. Price UK £30.00.

This book of 152 pages fills a big gap in the analysis of animal welfare by reintroducing the stockperson as a component of the environment of farm animals. It is intended for a very wide readership, from farm managers to academics. The clear aim is to demonstrate how the stockperson influences the welfare of the animals and, as a consequence, the productivity of the units. It deals mainly with intensively farmed animals (pigs, broilers and dairy cows).

It is the result of a multidisciplinary work of human psychology and animal behaviour. The book is said to be self-explanatory, with all the concepts and methods that are used further for analysing the impact of the stockperson on the animals being introduced and described. It is a tool for changing the stockperson's behaviour or for selecting the best ones. It reports not only facts but proposes actions and gives early results from the use of such programs.



For a long time the emphasis has been on the technical decisions of the stockperson: housing, treatments. What this book demonstrates is that the stockperson is a major feature of the animal's environment and her or his actions have direct consequences on the animals. Significant relationships between attitudes, human behaviour, animal behaviour and herd productivity are described. It also demonstrates the existence of efficient techniques to modify the human attitudes and consequently to improve the welfare of the stockperson and of the animals.

The book is very interesting, although it could be shorter by removing some redundancies and repetition. However some questions arise from this text:

- Animal welfare and human behaviour are treated in very different ways. On the one hand the authors state that the feelings of animals are difficult to measure directly and therefore cannot be used as valuable tools; so welfare is assessed mainly by measuring "decreased metabolism efficiency, impaired immunity and loss of the ability to reproduce". On the other hand, the authors say that human attitudes cannot be observed directly but can be inferred from what the people say and do. Although clearly linked with animal production, is the use of such a definition of welfare failing to integrate important factors?
- If we are to evaluate the direct effect of human behaviour on the return for the owner, it is important to have more detailed technico-economic analyses.
- Most of the work described comes from Australia. In the future, it will be interesting to see the results of similar analyses based on studies in other countries.
- Finally, such manipulation of human attitudes need to be very carefully designed so that they do not become the subject of criticism on the ethical grounds and, even if the authors are very careful, that point should be emphasised.

*Pierre Le Neindre*

## meetings

ISAE UK/Eire Regional Meeting, to be held in Lecture Theatre 2 of the Royal Veterinary College, Royal College Street, Camden, London on Wednesday 2<sup>nd</sup> December (the day before the ASAB meeting). Attendance costs £10.00.

The programme for the ISAE Winter Meeting is as follows:

**Session one: "Can ethological research contribute to standards in marketing schemes?"**

10.00 **David Main** (Bristol University) "Effect of farm assurance schemes on animal welfare"

10.25 **Don Broom** (Cambridge): "Relationships between farmers' attitudes, retailers' actions, legislation and welfare research"

10.50 **Martin Potter** (RSPCA): "Decisions, conflicts and practical problems in the construction of welfare standards for Freedom Food"

11.15 **Coffee**

11.45 **Judith Abrehart** (Tesco): "Features of poultry farm assurance schemes which are designed to improve welfare"

12.10 **David Whiteford** (Scottish Pig Industry Initiative): "Features of the SPII scheme which are designed to improve pig welfare"

12.35 **Alistair Lawrence** (SAC, Edinburgh): "Can behavioural science contribute to animal welfare standards in marketing schemes?"

13.15 **lunch**

**Session two: Open session: research update**

14.30 **Bryan Jones and Nina Carmichael** (Roslin Institute): "Enrichment devices for laying hens: can we just string them along?"

14.50 **Chris Sherwin** (University of Bristol): "A preliminary investigation of ultraviolet-visible markings on domestic turkey chicks and a possible role in injurious pecking"

15.10 **Christine Moinard and Chris Sherwin** (University of Bristol): "Preferences of domestic turkeys for fluorescent white light with or without additional ultraviolet"

15.30 **Claire Diederich** (University of Namur, Belgium): "Neurosensorial development in puppies"

15.50 **Tea**



16.20 Oliver Burman and Mike Mendl (University of Bristol): "The social recognition test as a means of assessing social memory in the laboratory rat"

16.40 Andrew Mayland (Cambac JMA Research), Richard Sibly (University of Reading) and Jane Guise (Cambac JMA Research): "Behaviour of sows and their piglets in two types of farrowing accommodation"

17.00 Mike Appleby (University of Edinburgh) Dan Weary and David Fraser (University of British Columbia): "Responses of piglets to early separation from the sow"

17.20 Kirsty Laughlin and Mike Mendl (University of Bristol): "Disturbance effects of environmental stimuli on the spatial memory of pigs"

17. 40 Comment and Discussion

18.00 Close of meeting

*Libby Hunter*, Cambac JMA, Manor Farm, Draycot Cerne, Nr. Chippenham, Wiltshire SN15 5LD, UK. Tel: +1 (0)1249 758868; Fax: +1 (0)1249 750413; email: Libby20@aol.com

ISAE Nordic Regional Meeting, 27th-29th January 1999 will be held at Skara, Sweden. For further details, contact Linda Keeling, email: Linda.Keeling@hnh.slu.se (full correspondence address on the inside back page).

ISAE International Congress 17th-21st August 1999, Lillehammer, Norway. Details of this Congress are enclosed with the Newsletter. For enquiries, contact: ISAE'99, Dept. of Animal Science, Agricultural University of Norway, P.O. Box 5025, N-1432 Ås, Norway; fax +47 64 947960; email isae99@ihf.nlh.no; internet: http://org.nlh.nlo

ISAE International Congress 2000, Florianopolis, Brazil. For details, contact: email ISAE2000@cca.ufsc.br

ISAE International Congress 2001, Davis, California, USA.

ISAE International Congress 2002, Utrecht, The Netherlands.

ISAE International Congress 2003, Brisbane, Australia.

## OTHER MEETINGS

German Veterinary Society - Section of Applied Ethology, 30th International Congress on Applied Ethology, Freiburg 12th-14th November 1998. Sessions will be held on: Environmental Enrichment, Extensively-Farmed Animals, Animal Behaviour and Technical Facilities, and Free Papers. For further information, contact Prof K Zeeb phone: +49 761 43643; fax +49 761 4760728.

ASAB Winter Meeting, 3rd/4th December 1998, Zoological Society of London, Regent's Park. *The genetic analysis of the mind*. For further information contact Dr MG Ritchie, Environmental & Evolutionary Biology, Bute Medical Building, University of St. Andrews, Fife KY16 9TS, UK. fax: +44 (0)1334 463600; email mgr@st-andrews.ac.uk or Dr B Kyriacou, Dept. of Genetics, Adrian Building, Univ. of Leicester, Leicester LE1 7RH, UK. fax +44 (0)116 2523378; email cpk@leicester.ac.uk

3rd National Ethology Congress, organised by the Sociedade Portuguesa de Etologia, will take place on 11th & 12th December at the University of Coimbra, Portugal. For further details, contact: Comissão Organizadora do III Congresso de Etologia, fax: +351 39 823491; email: pgmota@ci.uc.pt

Animal Welfare Course. The fifth annual modular course on Animal Welfare will be held in Cambridge on 14-16 December 1998, and in Birmingham on 11-13 January 1999. The Course is open to all but was designed by Professor Don Broom and Professor David Morton for veterinary surgeons taking the Royal College of Veterinary Surgeons Certificate or Diploma in Animal Welfare Science, Ethics and Law. For further details contact: Professor D.M. Broom or Mrs G. Armstrong, Department of Clinical Veterinary Medicine, University of Cambridge, Madingley Road, Cambridge CB3 0ES, UK. Tel: 01223 337697; FAX 01223 337610; e-mail ga207@cam.ac.uk

European Society for Agricultural and Food Ethics (EUR-SAFE, to be established in 1998). 1st European Congress on Agricultural and Food Ethics to be held at Wageningen International Congress Centre, The Netherlands 4th-6th March 1999. For details of the scientific programme, contact Frans Brom, Heidelberglaan 2, NL-3584 CS Utrecht, The Netherlands. Tel: +31 30 2534399; Fax: +31 30 2539410; email: fbrom@ggl.ruu.nl For other queries and all correspondence, contact: Congress Office, Wageningen Agricultural University, Joost Meulenbroek, Costerweg 50, NL-6701 BH Wageningen, The Netherlands. Tel: +31 317 482029; Fax: +31 317 484884; email: Joost.Muelenbroek@Alg.VL.WAU.NL

XXVI International Ethological Conference will be held in Bangalore, India in summer 1999. For further information, contact Dr (Mrs) Shakunthala Sridhara, University of Agricultural Sciences, G.K.V.K., Bangalore 560 065, India.

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