

**Welcome to Vinland 1996**

What many of us have known for a long time is now officially accepted: It was not Christopher Columbus who first discovered the American continent, it was Erik the Red and his fellow Vikings. (Actually, it was Asiatic tribes from Siberia and neighbouring areas that first discovered the New World many centuries earlier). But what really counts is not so much who was first, but who got the most out of the discovery. And in this question there is little doubt: Erik was thrown out again without making much of an impact neither there nor here, whereas Christopher managed to establish a permanent contact to the benefit of, at least, the old world. (Whether it was to the benefit of the descendants of the above mentioned Asiatic tribes is a different question.)

The moral of the story is that it is not enough to make discoveries, we must also put our discoveries to some use. And we must inform our fellow beings about the discoveries. If we only discover and keep the discoveries in the desk drawer or on the bookshelf, we might as well not discover.

One of the aims of the ISAE is to stimulate the exchange of discoveries, i.e. scientific knowledge. We do that by organizing annual meetings "around the world". We are discussing having our own scientific journal in which we can communicate our discoveries to our fellow scientists within and outside the Society. Recently, we have established a working group that will look at ways in which the ISAE can help members teach courses in animal behaviour so that our discoveries can also be spread to students. All these activities are exciting and, I think, important. There are not many scientists in animal behaviour and they are spread all over the world, so it is important to develop ways to communicate "over long distance".

One of the ways you can contribute to this exchange is to participate in the annual meetings, also when they take place far away. Maybe your application for a travel to Canada in 1996 can pave the way for your application in a few years to go to Brazil or New Zealand. Even if your application is not granted this year it may make an acceptance in the future more likely. It is important that our institutions (universities, research





institutes etc.) are made aware of the need for international communication in more ways than on the Internet.

As far as the forthcoming meeting in Guelph is concerned, your participation is important because you will have a chance to express your opinion about the ISAE having its own scientific journal. As a preparation for that discussion we ask you to participate in the poll and fill out the questionnaire that we are preparing. But the result of this poll will only form the background for our discussion in Guelph. The finer details of the issue can only come out in direct discussion.

Accordingly, welcome to Vinland and see you in Guelph!

*Jan Ladewig*  
*ISAE President*

## ISAE Officials

President:	Jan Ladewig
Senior Vice-President:	Harold Gonyou
Junior Vice-President:	Pierre Le Neindre
Secretary:	Linda Keeling
Assistant Secretary:	Henrik Simonsen
Communications Officer:	John Eddison
Membership	
Secretary:	Mark Rutter
Treasurer:	Mike Mendl
Editor:	Jeff Rushen
Legal Assessor:	Bill Jackson

Council Members:	Elisabetta Canali (93-96)
	Marek Špinka (93-96)
	Paul Hemsworth (94-97)
	Francien de Jonge (95-97)
	Inma Estevez (95-98)
	James Serpell (95-98)

This year, Elisabetta Canali and Marek Špinka will have completed three years as Council Members and will be retiring at the AGM in Guelph. Council has already received some nominations for their replacements and others are welcome. Please send nominations (which should include the names of the proposer and seconder, along with the agreement of the nominee) to me before July 1st 1996.

In addition to the rotational retirements from

Council of Elisabetta and Marek, the ISAE Treasurer, Mike Mendl, will have completed five years in office. The ISAE Constitution states that: "...office bearing members shall normally serve for a maximum of five years." Thus it is not a requirement that the Treasurer is replaced. Mike has expressed a willingness to continue in this post but, in line with the Constitution, Council invites additional nominations. As with the Council Member nominations, please send nominations for Treasurer to me before July 1st 1996.

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## Regional Secretaries

Australasia/Africa	Lindsay Matthews
Benelux:	Harry Blokhuis
Canada:	Leah Braithwaite
East Central	
Europe:	Marek Špinka
Mediterranea:	Marina Verga
Orient:	Shusuke Sato
Scandinavia:	Heli Castrén
South America:	(acting RS) Adroaldo Zanella
UK/Ireland:	Libby Hunter
USA:	Janice Swanson
West Central	
Europe:	Doris Buchenauer

## ISAE news

## ISAE Membership

Some ISAE members recently received information about a behaviour conference which used a photocopy of their entry in the ISAE membership directory for the address label. This use of the ISAE directory has concerned some



members. This occurred as a result of a misunderstanding between the Council of the ISAE and the organizers of the conference. The Council apologizes to all members who were upset by this incidence, and is currently preparing a policy on how the ISAE membership directory should be used in the future.

### *New Members*

The following new members have been approved by Council:

Mrs Julia I. Behrends, UK  
Sonja Braun, Germany  
Miss Lynn Sharon Cordiner, UK  
Mr Jon Day, UK  
Dr Catherine Dwyer, UK  
Dr Cornelia Exner, Germany  
Sarah Fellows, UK  
Brian Nielsen Fisker, Denmark  
Sven Hansen, Germany  
Helena Hepola, Finland  
Miss Julie Hollingsworth, UK  
Mr Gabor Horuath, UK/Hungary  
Mrs Frances Kim-Madslien, UK  
Mr Richard David Kirkden, UK  
Miss Caroline Jayne Le Sueur, UK  
Mr Matthew Leach, UK  
Dirk Lebelt, Germany  
Dr Nora Lewis, Canada  
Theresa Morgan, UK  
Ms Joanne Oliva-Purdy, USA  
Mr Neville Prescott, UK  
Dr Andrew N. Rowan, USA  
Erika Shiose, Japan  
Dr Daniela Tarricone, Italy  
Dr Federica Tosi, Italy  
Dr Dennis C. Turner, Switzerland  
Miss Harriet Warburton, UK  
Dr A. Bruce Webster, USA  
Dr Claire Weeks, UK

### *Resignations*

Prof. R.S. Anderson, UK  
Graham Arnold, Australia  
Caroline Channing, UK  
Derek John Evans, UK  
Dagmar Langwald, Germany  
Andrew Illius, UK  
Ian B. Robertson, UK

J.P. Signoret, France  
Mary Stewart, UK

Mark Rutter  
Membership Secretary

## **ISAE** newsletter

Compiled by John Eddison  
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Deadlines: late February for March issue;  
late September for October issue.

## **Obituaries**

### *Mrs Deborah Howell*

Mrs Howell was one of the dwindling number of enlightened veterinary surgeons who joined the Society in its early days, when its main function was seen as providing a channel of communication between, on the one hand, vets who were faced every day with the challenge of coping with animal behaviour and, on the other, ethologists who were beginning to unravel the complexities of its function and causation.

Deborah graduated from The Royal Veterinary College, London in 1937 and, after marrying, starting a family, losing her husband in the Second World War, joined the State Veterinary Service. She spent the rest of her career in the Veterinary Investigation Service, where she became an authority on bovine mastitis. Her real love, however, was horses - she rarely missed an SVE or ISAE meeting if there was a paper on horses on the programme, and was usually to be seen sitting next to Moyra Williams discussing equine behaviour. Her interests broadened after retiring in 1973 and moving to her farm in Wales: she



became very interested in dance when her son was appointed a principal with the Royal Ballet. She was a calm, relaxed person, always easy and rewarding to join for a brief chat, but remarkably accident prone. At our increasingly international meetings she often regaled us with graphic descriptions of her journey to that particular far flung venue. The way Deborah told it, no trip was uneventful. One of her colleagues has commented that her holiday stories were not about beaches, but about earthquakes, aircraft engines falling and the Prague revolution in 1968. Those of us who knew her, even slightly, will remember her with affection.

*Bill Jackson & Barry Hughes*

### *Dr Michael Schlichtling*

With deep regret, I have to announce the death of our ISAE member, Dr Michael Schlichtling. He died suddenly at the age of 50 of a heart attack. Michael Schlichtling studied agricultural sciences at the University of Berlin and gained his Ph.D. at the University of Göttingen. The main focus of his professional career was animal husbandry. From 1972-79, he worked for KTBL and from 1979 onwards he was a member of the scientific staff of the Institute of Animal Breeding and Animal Behaviour in Mariensee/Trenthorst. During these years he was involved in different problems of applied ethology. He worked on methods to assess housing systems on the basis of behavioural responses of the animals and he participated in the development of new types of husbandry systems. He endeavoured to find compromises between the needs of the animals and the practicalities of animal husbandry, without forgetting the needs of the farmer. His work resulted in a long list of publications. He also provided expert opinion to many official committees. We lost a friendly colleague who was always ready to give helpful advice. He leaves behind a wife and two sons.

*Doris Buchenauer*

## **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.

Tel +64 7 838 5569, Fax + 64 838 5727, email: [MATTHEWSL@AGRESEARCH.CRI.NZ](mailto:MATTHEWSL@AGRESEARCH.CRI.NZ)

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*

## **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.

This year's agenda of The Council of Europe's animal welfare work covers the subjects: Pet animals; Poultry production (ostriches, geese and ducks); and Transportation of animals.

The European Convention for the Protection of Pet Animals went into force in 1992 and resolutions in relation to Wild animals kept as pets, Stray animals and identification, and Breeding and surgical operations are under preparation.

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.

*Henrik B. Simonsen, Royal Veterinary and Agricultural University Division of Ethology and Health, Blegdamsvej 13, DK-1870 Frederiksberg C, Copenhagen Denmark. Phone +45 35 28 30 14/3010; Fax +45 35 28 30 22; E-mail [hbs@kvl.dk](mailto:hbs@kvl.dk)*



## An (electronic) journal for the ISAE?

As most of you are aware, the Council of the ISAE has for some time been investigating the possibility of the ISAE launching its own journal, possibly in an electronic format. I discussed some of the arguments in favour of this in the last Newsletter, and the matter has been debated several times on the applied-ethology email network. At the last ISAE general assembly at Exeter, a straw vote indicated a considerable degree of support for this among ISAE members.

Consequently, the Council began discussions with publishers in order to try to come up with a specific proposal to put to the ISAE membership. The non-profit publisher CAB International, which is best known for its abstract services, such as Dairy Abstracts, Pig News and Information, and for its recent books in applied ethology, have made a detailed offer to us. Basically, this offer is as follows:

CABI have suggested an estimated price of 40 pounds sterling for ISAE members, and 130 pounds sterling for non-members, libraries *etc.* This is based on a total of 330 pages a year, published quarterly or bimonthly, and a total of 600 subscribers from the ISAE and 50 libraries. The nature of the proposal is such that there would be no page charges. The price would only hold if all members of the ISAE took the journal. Therefore, if we accept this offer, the membership fee of the ISAE would be increased to about 50 pounds sterling. This is a substantial increase, but it is below average for scientific societies with their own journal. [N.B. in the UK, at least, membership of a learned society is tax deductible. Therefore, the current real cost to a taxpaying UK member would be £38.]

ISAE members will be receiving more detailed information describing the proposed journal. Briefly it includes the following:

Editorial matters (choice of editor, editorial policy, rejection rates *etc.*) would be largely in the hands of the ISAE. Financial responsibility (profit and loss) would be borne by CAB International. The journal will be available in both a printed and an electronic version, although eventually the printed version is likely to be phased out. Subscribers could choose either. The format of the electronic version is yet to be decided but there

would certainly be a World Wide Web version, with links to CABI abstracts included in the articles. An email discussion list (perhaps applied-ethology) would be linked to the journal, and possibly managed by CABI. The journal could include primary research articles, review articles, book reviews and ISAE conference proceedings, *if that is what we wish*. The ISAE Newsletter could also be included.

Within the next few weeks, we shall be conducting a poll of ISAE members to see if they are willing to accept this fee increase. We shall be contacting each member individually, either by post or by email. The survey will provide details about the proposed journal, ask what sorts of material you wish to see published in the journal, what access you have to the Internet, and whether you would be willing to pay the increased fee. If the survey indicates a substantial level of support, the Council will be making a formal proposal at a general assembly of the ISAE. Therefore, it is important that you read the information that will be sent to you and respond.

*Jeff Rushen*  
ISAE Editor

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## ISAE Newsletter

Being relatively new to the job of editing the Society's Newsletter, I am very keen to discover what members think about its content, presentation and frequency of publication. Furthermore, the journal proposal (outlined above by Jeff Rushen) includes the possibility of changes to the way that the Newsletter is distributed. Your consideration of this proposal may prompt ideas regarding the Newsletter (irrespective of the form it may take in the future). I should be very pleased, therefore, to receive any comments from members about the Newsletter.

*John Eddison*  
Communications Officer  
(address on page 3)



## Regional News

### WEST CENTRAL EUROPE

The ISAE regional meeting for West Central Europe will be held in Hannover on 9th-11th May. Details of this meeting will be sent by letter directly to the ISAE members in this region.

*Doris Buchenauer*  
*Regional Secretary*

### UK & IRELAND

Our winter meeting (November 29th) was well attended with over 60 people present. The mix of those attending was surprisingly international, with ISAE members from Europe, USA, Canada and Japan attending. Prof Signoret arrived on the only train running out of France that day- I hope he managed to get home for Christmas! The meeting retains its informal style, encouraging wide ranging discussion and friendly argument. I think that this is how most of the members like it, but I am seeking comments from anyone on the style and content of the winter meeting, so feel free to contact me if you have any ideas. For a report of the meeting, see the report by Hayley Randle later in this edition of the Newsletter. Lastly, a big thankyou to Georgia Mason for choosing the topic and selecting such an interesting mix of speakers.

*Libby Hunter*  
*Regional Secretary*  
*UK and Ireland*

### Nebraska '95: The North American Regional Meeting

A select group of 27 ISAE members, plus one baby, travelled to Lincoln, Nebraska, last July for the North American Regional Meeting. Four attendees were from Canada, including ISAE President Harold Gonyou, and Canada's regional secretary Leah Braithwaite, and the remainder from the US. Eight free papers were presented during a one-day session, covering a wide variety of species and subject matter. For example, we heard Brent Jones talking about beef cattle

producers' attitudes towards castration; Patricia McConnell on body posture in sheep dogs; and Renee Bergeron on the development of stereotypes in pregnant sows. That evening, five posters were presented at a hot and crowded joint poster session with the Animal Behaviour Society. The posters examined issues such as space as a means of environmental enrichment, and equine welfare and legislation.

The ISAE meeting overlapped with the huge, week-long Animal Behaviour Society Congress - an arrangement that had both advantages and disadvantages. On the plus side, it allowed exposure to the busy atmosphere of a large meeting, and contact with colleagues studying a broad range of animal behaviour; ISAE members were invited to attend the ABS Applied Ethology session, and special Animal Care and Use Symposium which followed our meeting, and in fact almost half the ISAE members in attendance stayed on for the whole ABS conference. On the other hand, at times our small meeting was rather swamped by its huge neighbour.

Highlights of the meeting included the high standard of all the presentations, and Janice Swanson's dedicated and enthusiastic organization. The lowlight (?) was certainly the railway track which ran past our hall of residence (the 24-hour-a-day trains didn't pass by the end of my bed, it just sounded like it...).

The North American region will continue to hold its annual meeting in conjunction with another major meeting. This year a business meeting and reception will be held during the international congress at Guelph, and plans for '97 are still open. A big "thank you" to Janice for organizing Nebraska '95, and see you all next year!

*Moirra Harris*

### From abnormality to Animals as consumers and back again

I was looking forward to being able to sit back and enjoy the ISAE 1995 winter meeting after being heavily involved in the organisation of ISAE'95 in Exeter this summer. Despite getting up at 5 am in order to catch the 6.30 am train to London I managed to stay alert throughout the whole meeting. In fact it wasn't difficult at all given the range of topics covered and the high quality of the papers in general. Presentations are



going multi-media. Just one gripe though, whatever happened to the good old 'blue and white' slides? I often find that with multicoloured and highly decorated slides with graded backgrounds it is difficult to disentangle the information and subsequently to interpret the results. Do others agree I wonder, or is it just me getting set in my ways?

New topics (for me at least) included asymmetry in roosters and hens which prompted questions such as 'are we making our domestic species less attractive to their counterparts by applying ear tags or brands?' Another new topic was bus stop behaviour, human that is! I felt that this particular talk emphasised the need to look at human behaviour, to some extent, when trying to understand non-human animal behaviour. But this is nothing new - applied ethologists have increasingly been making reference to work on humans, primarily by psychologists and sociologists.

The wide range of subjects covered at this year's meeting again emphasised the multidisciplinary nature of our work. Reports were given of cortisol analysis, the use of biopsies, heart rate monitoring and observing behaviour using video equipment. A number of species were covered, although predominantly the pig. It was however, the return of the rodent with cage design for laboratory mice attracting much attention and discussion.

I entitled this article 'back again' for a very good reason. Despite considerable progress over the last two decades, a number of questions remain unsolved. The excellent discussion sessions emphasised two facts. First, we do not yet have concrete working definitions for basic concepts such as 'stereotypy'. But then we probably never will. At best all we can do is to be specific and describe accurately the species and contexts within which our studies are carried out. Second, we were warned that we are in danger of both getting into endless loops and going from one extreme to the other due to being too ambitious. For example, on one hand we conclude that stereotypies tell us everything about welfare, whilst on the other hand we conclude that stereotypies tell us nothing about welfare at all. Mention was also made of assessing behaviour by comparison with the natural state and using consumer demand theory. However, it was clear that the drawbacks associated with both of these,

despite being heavily worked on over the years, still haven't been solved.

So can we use behaviour to assess and improve welfare? I think that the answer is yes, but we should remember Würbel's statement 'we still haven't solved the mind body problem'. Will we ever? I doubt it somehow. Clearly then, we have to be very careful when relating observed behaviour to what is going on in the animal's mind.

This summary was not supposed to be negative. It is good that we are still thinking about previously studied concepts and continually re-evaluating our progress, instead of sweeping difficult issues under the carpet and moving on to another, perhaps easier, area of study.

This was a very well organised meeting with a relaxed and friendly atmosphere. There was ample time given to discussion despite the temperamental slide projector (was it trying to express its individuality I wonder?).

Hayley Randle

## Other news

### Aktuelle Arbeiten zur artgemäßen Tierhaltung 1994

Current research activities in Germany, Switzerland, Austria and in parts of the Netherlands were presented at the annual *International Congress on Applied Ethology* in Freiburg, Germany. The congress was organized by the German Veterinary Society (DVG) at the Institute of Animal Hygiene in Freiburg by Prof. Zeeb and his staff. The November Congress 1994 was focussed on studies with respect to - *Befindlichkeiten*, a term which is difficult to translate, some call it *Feelings*, others *Animal Needs*, others *Welfare*. The second theme was *Animal Responses on Housing Conditions* and there was session of *Free Papers*. The papers have been published in the KTBL Schrift (370) *Aktuelle Arbeiten zur Artgemäßen Tierhaltung 1994*.



Figures, tables and summaries are written in English; the text (26 papers) is presented in German language. The titles of papers are listed below. The proceedings could be obtained through KTBL-Schriften-Vertrieb im Landwirtschaftsverlag GmbH, Postfach 480249 D-48079 Münster. Telefax +49-2501 80 12 04. Price 34,- DM plus 5,- DM postage.

Sabine Braun

KTBL

## Contents of "Aktuelle Arbeiten zur artgemäßen Tierhaltung 1994"

### Befindlichkeiten

What is it like to be a tethered sow? The scientific measurement of subjective experience in captive animals. *Françoise Wemelsfelder*

Assessment of feelings ("Befindlichkeiten") in animals. *Beat Tschanz*

Animal needs and the analogy concept. *Hans Hinrich Sambras*

Measurement of welfare and disturbed behavior in animals. *Sigrid Schmitz*

Critical valuation of the thermal dehorning of calves. Investigation of behaviour, cortisol in saliva and the innervation of the hornbud. *Alexander C. Taschke & D. W. Fölsch*

CO<sub>2</sub>/O<sub>2</sub>-for routine-castration of male piglets - practical and animal welfare-aspects. *Susanne Lauer, A. Körtel, A. Zanella, J. Henke, W. Erhardt, M. Goldberg, J. Unshelm & H. Eichinger*

The "Passive Defence Syndrome" and the concept of animal well being. *Mircea Pfeleiderer & P. Leyhausen*

### Animal Responses on Housing Conditions

Stereotypies in laboratory mice - origin and ontogeny. *Hanno Würbel & M. Stauffacher*

The abnormal behaviour of feather pecking - its characterisation and origin. *Sabine Baum*

Social behaviour of horned dairy cows in loose housing. The influencing factors. *Christoph Menke, S. Waiblinger & D. W. Fölsch*

The influence of a synthetic cubicle mat on the lying behaviour of dairy cows. *Barbara Oertli, J. Troxler & K. Friedli*

Factors causing or influencing tail tip alterations in fattening cattle. *Christoph Winterling & B. Graf*

Group-penning of calves in outdoor huts. *Thomas Richter & B. Egle*

The influence of single- and group housing of sows on behaviour, health, and reproduction. *Ekkehard Ernst, E. Arkenau-Sellenrieck, G. Gertken, F. Klobasa, K. Müller, K. Schernewsky, M. Schlichting & S. Stamer*

The opioid receptor density in the brain of pigs kept in groups, social isolation and mixed during transport. *A. J. Zanella, P. Brunner & J. Unshelm*

Neurobiological studies on the behaviour of pigs under stress. *Eberhard von Borell, R. W. Johnson & L. L. Anderson*

Investigations on feed intake behaviour of fattening pigs at self-feeders. *Steffen Hoy, T. Fritzsche & A. V. Teixeira*

Video series "Behaviour in domestic pig". *Thomas Sommer*

### Free Papers

Effects of bodyweight differences between white and brown laying hens and between white and brown layer breeders on nest-site selection in an aviary system. *Thomas Bauer & D. W. Fölsch*

Influence of training on the locomotor ability of fast and slow growing broilers. *Klaus Reiter & W. Bessei*

Analysis of the social relationship between man and farm animals. *Jutta Korff and J. Ladewig*

Group housing of sows during farrowing and lactation. *Michael Götz & J. Troxler*

Strategies of cross-suckling piglets in a group housing system for lactating sows. *Nadja Brodmann & B. Wechsler*

The incidence of locational oestrus in sows kept in family groups. *Beat Wechsler*

Review of the congress/ Schlußbetrachtung. *Ralf-Bernd Laube*

## Articles

## Legal Scene

### ANIMAL BEHAVIOUR

Border Collies were considered by the High Court. Held: they are a distinct breed with identifiable characteristics including playfulness but they are not normally dangerous. The plaintiff lost.



## CUSTODY

The RSPCA appealed a case concerning person who was disqualified by law from keeping dogs. This person had been seen in a procession holding a dog on a lead. He had the permission of the owner. The owner had at all times had the dog within sight. The appeal was dismissed.

## PARROTS AGAIN

Barney the parrot whistled in court in appreciation at the sight of the rightful owner. The court regarded that as vital evidence in the trial of a man convicted of handling him as stolen goods.

## DOG SNORES IN COURT

Judge Brandt dismissed a complaint that the judge's dog Bart's snoring in court had adversely affected the hearing of the case.

## ANIMAL MAGIC

An article under that title by Barry F Peachey concerns the work of expert witnesses in disputes involving animals. "Animal Magic" Law Society Gazette 1995, 92(33), Supp Exp 46.

## DANGEROUS DOGS ACT 1991

Dempsey a pit bull terrier was three years ago detained under the Act. The High Court freed him on the grounds that the owner had not been informed of the original court hearing (her nephew had taken the dog out and was seen by a policeman - the dog being unmuzzled at the time) Mr Justice Roughton commented that this must be the most expensive dog in England. He said it needs the pen of a Voltaire to do justice to such a situation. Reported costs total £81,000.00. Bridget Bardot has offered to give Dempsey a home in France.

Opponents of the Act staged a demonstration outside the Royal College of Veterinary Surgeons demanding to know the name of the veterinary surgeon who euthanased the dog Buster seized in October 1991, released on appeal in March 1992 and then later re-seized and eventually euthanased on 2 November 1995. An RCVS spokesman told the protestors that if a dog had to be put down by court order it was in the animal's welfare interest that the task be humanely carried out by a

veterinary surgeon. The Royal College shared the protestor's disapproval of the current working of the Act and urged the group to direct its complaints to the Home Office.

The Veterinary Record headed its December 2 1995 editorial on the Act "A dog's dinner of a law".

## EXPORT OF LIVESTOCK

Recent judgements in respect of Dover Harbour, Millbay Docks (Plymouth) and Coventry Airport are reviewed in an article by Sandra Banks. The moral and practical issues raised by the authorities' decision to refuse cargoes of animals because of protests are considered. 2 Transport Law & Policy 75-77.

The UK Ministry announced consultation on the EU agreement on the welfare of animals during transport (responses by 15 December 1995). The measure include a licensing scheme for animal transporters; competence requirements for hauliers and handlers; maximum journey limits; feeding, watering and rest intervals; and enforcement mechanisms.

*Bill Jackson*

## Book Review

### INEXPENSIVE WAYS OF IMPROVING ZOO ENCLOSURES FOR MAMMALS

by T B Poole & G Law. With illustrations by R Strachen. 6pp. Published by UFAW 1995 on behalf of the International Academy of Animal Welfare Sciences (IAAWS). ISBN 0 900767 89 8. Price £1.00/US\$2.00 post free from UFAW.

### THE WELFARE & MANAGEMENT OF BEARS IN ZOOLOGICAL GARDENS.

UFAW Animal Research Report No.7 by A Ames. 14 pp. UFAW 1994. ISBN 0 900767 88X. ISSN 0956-1137. £2.50/US\$6.00 post free.

By strange coincidence, I received a copy of these documents from Dr Miranda Stevenson (Curator - Edinburgh Zoo) and a copy from Dr Mike Appleby (Secretary - ISAE) within an hour of each other. Both wanting them reviewed.

In keeping with a recommendation in the World Zoo Conservation Strategy - during 1995



counterpart in Kiev (Ukraine). The main reason for this 'twinning' is to help improve the quality of zoos in poorer regions of the world, through the exchange of information. As well as an exchange of personnel between the two zoos, we are currently assessing suitable literature to donate to Kiev Zoo.

Although, peer-review papers are undoubtedly useful, they would not only need translating into Russian, a difficult enough task, they would first have to be translated so that keepers could understand them, a far more difficult task. The problem with papers in peer-review journals is the opaqueness of the writing to anyone who is not a scientist. Therefore I totally commend UFAW's approach of producing documents that can be accessed easily by all.

The pamphlet by Poole and Law is a good basic guide to improving animal enclosures. I would, however, find it difficult to use with UK keepers, since it is probably too basic. The pamphlet is full of cheap and common-sense approaches (probably not surprising given that Graham Law is a Keeper) to renovating old animal enclosures. The main example used throughout being the conversion of Glasgow Zoo's polar bear pit into an enclosure for ocelots. This conversion clearly demonstrates how with a bit of thought and a little imagination an enclosure, which is wholly inappropriate for one species may become a 'palace' for another.

The authors quite rightly put great emphasis on the use of appropriate substrates (e.g. forest bark), climbing facilities (where appropriate), shelter, simple enrichment devices, methods of improving moats and the importance of viewing platforms, for improving welfare. The pamphlet is beautifully illustrated; however, the registration on the photographs is a bit out. Perhaps, the only thing I would question is the use of a species priority list on page 1; I would say the welfare of all species should be treated with equal priority.

In contrast to the Poole and Law pamphlet, the report by Ames is far more substantial and should be read by everyone who keeps bears in captivity. Over the last few years Alison Ames, has conducted extensive studies into the origins of stereotyped behaviour in polar, brown and spectacled bears in many European zoos. Ames work goes beyond merely assessing stereotyped behaviour and has attempted to develop practical ways of enriching the lives of bears in captivity.

This report is a summary of her findings so far and focuses on species differences.

The report starts off by considering the natural history of bears and then looks at the effects of captivity on their behaviour. The document finishes with a list of 21 recommendations. These recommendations include: the use of several daily scatter feeds; the provision of (frequently changed) climbing frames, denning material, visual barriers and natural substrates; and a formalized environmental enrichment programme. In terms of species differences, it is recommended that spectacled bears be kept in small groups. The only recommendation I would take issue with is No. 16, which suggests that creating opportunities for the animals to play will reduce the time available for persistent stereotypies. If this is your goal then you are only treating the symptoms of a welfare problem - stereotypies - not its cause. Given that one quibble I strongly recommend this report to all those interested in the welfare of captive bears.

Neither of these two documents is going to improve their authors' citation indexes, but they are going to improve the welfare of captive animals. How many animal welfare scientists can say that much for their peer-review publications. Does anyone know what the Russian for 'scatter feeding' is?

*Robert Young, Research Co-ordinator, Edinburgh Zoo*

## *meetings*

**ISAE 30th Annual International Congress**  
**14th-17th August 1996, Guelph.** *See enclosures for registration details.*

**UK/Ireland Meeting 1996, Animal Choices:**  
**Joint BSAS/RSPCA/ISAE occasional meeting.**  
18-19th September 1996, Bodington Hall, University of Leeds, UK. Animal Choices is about the underlying factors of awareness, cognition, motivation and decision making in animals. The meeting will encompass: how preferences and motivation are measured; the environmental, social and nutritional choices made by farm



social and nutritional choices made by farm animals and how these can be used to improve animal welfare. the more basic aspects of choice will be integrated with applications to farm species and will be of interest to a wide range of participants including psychologists, behaviourists, nutritionists, physiologists and those applying science to domesticated animals.

The programme will include keynote speakers on the following subjects: Animal awareness; Models of motivation/decision making; Measuring preferences; Human/animal interactions in agriculture and their impact on animal welfare and performance; Environmental choices of farm animals; Social choices of farm animals; Nutritional choices of farm animals; and Engineering choices into animal environments.

Contact: BSAS, PO Box 3, Penicuik, Midlothian EH20 0RZ, UK. Tel: +44 (0)131 445 4508, Fax: +44 (0)131 535 3120, email: BSAS@ed.sac.ac.uk

ISAE International Congress 1997, 13-16th August, Prague, Czech Republic.

## OTHER MEETINGS

**Improving our Understanding of Ratites in a Farming Environment**, 27-29th March 1996, Manchester, UK. Papers will cover all aspects of the biology of ostriches, emus and rheas, including reproductive biology & incubation, nutrition, behaviour, husbandry and production. Contact Charles Deeming, Hangland Farm Ostriches Ltd, Upper Wardington, Banbury, Oxfordshire OX17 1SU, UK (fax +44 1295 710628).

**Animal welfare and toxicology studies: current issues and trends for the next century**. June 10-11 1996 at the Hyatt Hotel, Baltimore, Maryland. A conference organised by Scientists Center for Animal Welfare (SCAW). Sessions will include the discussion of ethical issues involved with animal subjects in toxicology and safety testing. Contact: Conferences, SCAW, Golden Triangle Building One, 7833 Walker Drive, Suite 3340, Greenbelt, MD 20770. Tel: +1 (301)345-3500, Fax: +1 (301)345-3503.

**Congres International Francophone sur le Comportement Animal (CIFCA'96)**. Ce congres se tiendra a l'Université Laval, Québec, Canada, du 26 au 30 juin 1996. Renseignements sur le programme, format des communications libres et inscription: Jacques Bovet, Departement de biologie, Pavillon Vachon, Tel +1 (418)656-7833, Fax: +1 (418) 656-2043.

**IVth International Ethological Youth Meeting**, July 21-31st, 1996, Gödöllő University of Agricultural Sciences, Faculty of Agricultural Engineering, Péter Károly u. 1., H-2103 Gödöllő Hungary. Contact: Dr Tibor Simon. Tel: +36 28-310 200; Fax: +36 28-310 804; email: Ksapi@RKT.GAU.HU

**The Animal Contract (ISAZ 96)**, 24-26th July 1996, Cambridge, UK. This meeting of the International Society for Anthrozoology will include talks on attitudes to animals, behaviour problems & therapy and effects of humans on animals & *vice versa*. Contact: Anthony Podberscek, Dept of Clinical Veterinary Medicine, Madingley Road, Cambridge CB3 0ES, UK (fax +44 1223 330886, email alp18@cus.cam.ac.uk).

**The Welfare of sheep during transport**, 12th-13th September 1996, St. Catherine's College, Cambridge, UK. An international conference on the current state of knowledge. Contact Mrs G Armstrong/ Prof. Don Broom, Dept. of Clinical Veterinary Medicine, Madingley Road, Cambridge CB3 0ES. TEL: +44 (0) 1223 330811 or 337697. fax +44 (0) 1223 337610.

**Measuring Behavior '96**. International Workshop on Methods and Techniques in Behavioral Research 16-18 October 1996 Utrecht, The Netherlands. (The information below is also available on the World Wide Web: <http://www.diva.nl/noldus/mb96.html>)

### REGISTRATION

Registration fee\* Before 1 August 1996: NLG 200; (students: NLG 50) After 1 August 1996: NLG 300; (students: NLG 75) Workshop banquet: NLG 75 City tour: NLG 40.



\*The fee includes lunches and refreshments during breaks. Those who cannot afford the registration fee are kindly requested to present a motivated request for a reduced fee to the Local Organizing Committee at the address below.

Measuring Behavior '96, Workshop Secretariat, Attn: Rosan Nikkelen, P.O. Box 268, 6700 AG Wageningen, The Netherlands, Phone: +31(0)317-497677, Fax: +31(0)317-424496, E-mail: mb96@noldus.nl

International Society for Animal Hygiene Congress, 17th-21st August 1997, Helsinki, Finland. Contact Hannu Saloniemi, College of Veterinary Medicine, Helsinki.

Email Saloniemi@ekkl.vetmed.fi

XXV International Ethological Conference, 18-25th August 1997, Vienna. Chair of Organizing Committee: Michael Taborsky, IEC Organizing Committee, Wiener Medizinische Akademie, Alser Strasse 4, A-1090, Vienna, Austria.

EAAP 48th Annual Meeting. 25-28th August 1997, Vienna. This meeting will include the following themes: Sustainable livestock production systems; Human health aspects of swine production; Feed additives; Mastitis control programmes.

## Job Advert

The Department of Poultry Science, University of Maryland, seeks a 12-month, tenure track member of faculty (70% research, 30% extension) based in College Park to conduct basic and applied research in behavior, stress and management related to commercial broiler production. The appointee will develop extramural funding for the research, which will be conducted at both on- and off-campus poultry research facilities. The extension program will provide educational programs for the broiler and layer industries concerning poultry well-being, behavior and management. There will be an opportunity to participate in the graduate and

undergraduate teaching program. An earned doctorate in an appropriate poultry/avian science discipline (e.g. avian ethology and poultry management, or closely-related disciplines) is required. Knowledge of the physiological aspects of behavior and stress and post-doctoral training area desired. Evidence of potential to obtain external funding, appropriate publication record, and communication skills (both scientific and poultry industry) are expected. The successful candidate will be hired at the rank of Assistant or Associate Professor. Salary is negotiable and commensurate with experience and training. Applications (letter of application, *curriculum vitae*, official transcripts, and independent submission of four letters of reference) accepted until May 20, 1996 or until the position is filled. Women and minority candidates are strongly encouraged to apply. Apply to: John Doerr, Ph.D.; Chair, Search Committee; Department of Poultry Science; Room 3113 Animal Science Center; University of Maryland; College Park, Maryland, 20742-2315. Tel: +1 (301) 405-5755. THE UNIVERSITY OF MARYLAND IS AN EQUAL OPPORTUNITY AFFIRMATIVE ACTION EMPLOYER.

isae '96

Guelph

14-17th August 1996

Reminder

The Congress registration  
deadlines is:

14 May 1996

After that date, registration  
fees increase!