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International Society for Applied Ethology

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ISAE newsletter

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Bigger and better

Writing my first Presidential letter for this newsletter caused me to think back to the first ISAE Congress that I attended, the 25th Congress in Edinburgh in 1991. That meeting marked a turning point, because it was there that the members voted to change the name of our organization from the Society for Veterinary Ethology (SVE) to the International Society for Applied Ethology. Several years of discussion preceded this name change, which was intended to reflect the increasing internationalization of the society and the increasing participation by researchers who were not veterinarians.

The importance of that name change was apparent at this year's Congress in Norway. Even though the ISAE began as a European (and more specifically U.K.) society, we are now truly an international organization. Happily, European membership continues to increase in all of the regions. But, in addition, nearly 20% of the participants at this year's meeting in Norway were from non-European countries, as compared to less than 10% of those attending the Edinburgh Congress. The pattern of our future Congresses reflects this new dimension of our society. Only one of the next four Congresses will be held in Europe—a major change considering that our first-ever meeting outside of Europe was held only seven years ago!

Along with our international growth comes an increasing diversity in the research interests of ISAE members. When SVE was founded, the goal of the society was to "develop the study of domestic applied animal behaviour", and farm animal behaviour and welfare was particularly emphasized. Although the majority of our members still study farm animals, research on companion, laboratory, zoo, and even wild animals is growing. The upcoming meeting in Brazil will provide us with opportunities to explore some new and exciting topics of particular interest in developing countries, including the behavior of species currently undergoing domestication. The First Announcement for the Brazil Congress appears in this newsletter, so be sure to mark the meeting dates on your calendars!

Perhaps the most encouraging and gratifying aspect of our growth is the number of graduate students participating in our society, which was very evident at the Norway Congress. This reflects, I believe, an increasing interest in society in general regarding the use and treatment of animals, as well as an increasing appreciation among students and others for the contributions that ethology (and ethologists) can make to animal management and welfare. It also demonstrates the important educational and policy role that ISAE can play.

The re-naming of SVE was accompanied by a new constitution, with two new aims: to encourage and support the teaching of animal behaviour and to provide a pool of expertise to government, industry, and animal welfare organizations. Council is undertaking initiatives in both of these areas this year. The ISAE Education Committee will be compiling information about resources for teaching animal behavior for our website, and will also promote future workshops to follow up on the highly successful teaching workshop organized by Bjarne Braastad this year. We will

also, with the assistance of the Regional Secretaries, be expanding our membership database to include information that will help us to identify our members' areas of expertise so that ISAE can interact more effectively with other organizations and better make our voice heard in policy matters.

Growth does not come without some growing pains, of course. As our Congresses become larger organizing them becomes a considerable challenge, and the organizers of the Norway meeting certainly deserve our gratitude for the time and effort they put into making this wonderful meeting a reality. Council meetings (and the minutes from them) grow ever longer. An expanding membership roster takes an expanding amount of time to organize. A website is only useful and relevant to our members if it is regularly updated and maintained. During the next few years we will need to make decisions about how best to provide resources to support the growth that we are experiencing, and about the future directions for our society. This should be a challenging and exciting period for us all and I look forward to assisting the society, and the further development of our field, in any way that I can as your President.

Joy Mench

ISAE Council news

Regional Secretaries

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

Job Vacancy - Communications Officer

I shall have completed five years in this position at the next summer congress, and I will be retiring from this position. The tasks involved with this post include Newsletter editor, web site manager and, along with various other Council officers handling enquiries about the ISAE from individuals and organisations. I shall be very happy to discuss the detail of these activities with any one who is interested in being nominated for this position.

John Eddison
Communications Officer

ISAE Membership

New Members

The following new members have been approved by Council:

New members:

Claude Baudoin, France
Rachel Crowe, UK
Teresia Heiskanen, Denmark
Camie Heleski, USA
Mauro Lantzman, Brazil
Kanji Matsui, Japan
Brian Nielson, USA
Bas Rodenburg, Netherlands

Jeanne Saddler, USA
Dorte L. Schroeder-Peterson, Denmark
Christoph Winckler, Germany
Seong Yeon, Korea

Deaths

Alex Brownlee, UK (see Obituary on page 11)

I would like to welcome our new members to ISAE and hope you enjoy your newsletter. Just a reminder to our renewing members that membership subscriptions for 1999-2000 were due on *June 1st*. Although many of you have renewed your subscriptions in the last three months, there are still close to 119 members in arrears by one year with close to another 100 in arrears by two or more years. Members in arrears are automatically dropped by Council vote (members in arrears since 1997 will be voted on by Council at the winter meeting). The ISAE subscription is a bargain at UK£10 per year. You may pay up to *five* years in advance, and this will secure your membership rate for that period, even if rates increase. Also membership subscriptions are still in British Sterling not US dollars. Your current subscription status is detailed on the address letter accompanying this Newsletter. You may pay by credit card (VISA, MASTER CARD, EUROCARD) to make the conversion easier. Finally, this year I will be working with the ISAE Regional Secretaries to produce an updated membership directory. Please take time to fill the enclosed page and send it back to me by post, fax or email. Thank you for your cooperation and I look forward to hearing from you.

Janice Swanson
Membership Secretary

Applied Animal Behaviour Science

The Society can offer members personal subscriptions to the journal Applied Animal Behaviour Science for UK £70.00 for the subscription year 1999. If any member wishes to take advantage of this offer, please send your payment to the Membership Secretary.

Janice Swanson

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.

Joy Mench, in her opening letter in this Newsletter 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 me 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 that 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
Assistant Secretary

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

Fly on the Wall

Our faithful, and by now well-travelled, fly did its duty again this summer by positioning itself strategically on the wall of a room in the basement of a hotel in Lillehammer to listen in to the discussion at the 1999 Summer Council meeting.

A hot topic of the day turned out to be comments on the contract between ISAE and Elsevier. Draft contracts had been circulating between Council members but now was the time for last comments and discussion before our AGM and the final meeting with Elsevier. The second major topic was the need to reconsider how we handle our routine membership administration. The ever increasing work load for the Treasurer and Membership Secretary in particular, has been a topic for discussion previously. But the current geographical separation of these officers is making the need for a solution urgent. Janice Swanson and Jeremy Marchant had already identified which tasks took most time and enquiries as to what others were doing seemed to indicate that most societies of our size have professional organisations employed to handle their administration. This would be a large step for us to take, but following a suggestion from Hanno Wuerbel, Council decided to explore the possibilities of having its membership list on a password protected database at the ISAE website. It was pointed out that a new membership directory is necessary soon anyway, and this information could be collected and then presented in such a way that would be possible for all members to electronically search the database according to region, research interests and so on. This database service for all members could then be combined with a more secure database containing individual membership information that was available only to the Treasurer and Membership Secretary. The question that Council still needs to address is the cost to develop our website accordingly and establish such a database. However, once established it would make routine work for the Membership Secretary and Treasurer much easier and more efficient.

The reports from officers were presented as usual and the main points from these presentations about economy, nominations etc. are presented in the minutes from the AGM (found later in this newsletter). Some time was spent discussing the meeting next year in Florianopolis, Brazil, and the year after in Davis, USA. Scientific aspects, such as special scientific themes and the Wood-Gush Memorial Presentation, as well as those equally important social and practical organisational aspects were taken up.

The results of a survey of members in the Mediterranean Region, which had been carried out by Elisabeth Canali, were discussed. The main difficulty for this region seems to be the long distances and the cultural and language differences. Some options

such as email network and organising courses for students were discussed instead of regional meetings. This topic then moved slowly into a general discussion on the role of Regional Secretaries in Society administration. Ideas on this area included that Regional Secretaries could play a more active role in tracking down members who are behind on their subscriptions and in forwarding names of regional organisations and information that could be used by the Assistant Secretary to obtain money for the Council of Europe Fund.

As usual Council worked hard and long this day. But it is also satisfying to think that the administrative aspects that are being discussed arise because of the success of the Society, which is continuing to grow and develop.

ISAE 1999 AGM

International Society of Applied Ethology Minutes of the 33rd Annual General Meeting, Lillehammer, Norway, 19th August 1999.

The meeting was chaired by Pierre le Neindre and attended by 73 people.

1) Minutes of the previous AGM

These had been circulated previously in the Newsletter. The minutes were accepted.

2) Reports from the Officers

The President reminded people that the membership voted at the Prague AGM not to pursue launching our own journal but instead to maintain a relationship with Elsevier, and not to make subscription to a journal compulsory for members. Following this, Council has been negotiating a contract with Elsevier. He then went on to outline the main points of the contract that has been developed. These are that ISAE is involved in the choice of the Editorial Board including the Chief Editors of the journal, Applied Animal Behavioural Science (AABS), that there will be special issues of AABS which are the responsibility of the ISAE Editor, that there will be 6 free pages over the year at ISAE's disposal and that there will be a reduced subscription to the journal for ISAE members. In addition to these positive points there are certain restrictions, these are that Newsletter and website should not contain full length refereed articles and that ISAE should promote AABS as its only journal. The agreement is to last for 3 years initially and then there can be further negotiations and/or extensions to the contract. The President asked for comments and there was a general discussion. Amongst other things, there were questions about the high price of the journal and whether ISAE Council had a long-term strategy for what to do at the end of this initial contract period. A motion was proposed by Adroaldo Zanelli and

seconded by Julie Morrow-Tesch that Council set up a committee to prepare a strategy to readdress the issue of the journal and report back in two years at the Davis meeting. This motion was carried in a vote. A second motion was proposed by Jeff Rushen that Council put pressure on Elsevier to reduce the price of its journal to libraries. Don Broom seconded this. This motion was also carried.

The Senior vice-president (Jan Ladewig) reported on the situation regarding future conferences. Conferences are already planned up to the year 2003. (see list elsewhere in this newsletter). He announced that some additional offers had already been received, but that there would be a general call in the newsletter for offers to host future conferences. Before finishing, Jan said that he had been on Council for a total of 8 years and thanked everybody for making it an exciting time.

The Junior vice-president (Joy Mench) said that most of the regions in the society were active, but that some regions had problems organising meetings because of the long travel distances and because the region covered many cultures. She also referred to plans to build up an expert database and that the Regional Secretaries would be asked to help in this.

The Treasurer (Jeremy Marchant) outlined the economic situation for the Society and how he had amalgamated some accounts to simplify procedures. The Society continues to remain healthy with income exceeding expenses by £7,960.17. The balance for the General Fund is £28,278.37, the Current Account is £8,383.77, the Council of Europe Fund £2,050.33.

The Membership Secretary (Janice Swanson) stated that we now have 652 members. She reminded people that the fee was still only £10 and that members could pay up to four years in advance. Despite this, in June 1999 there were 196 members in arrears. She said that in future, Regional Secretaries will be asked to help follow up people in their region who are behind in their payments and that people who are not up to date with their membership will not be eligible for the reduced conference fee at meetings. Janice also outlined Council's ideas for a new database for membership information that will make handling payments and co-ordination between Treasurer and Membership Secretary easier.

3) Election of Council members

It is in our constitution that, each year at the AGM the President, Junior vice-president, Senior vice-president and the other office-bearing members of Council shall be elected. The President shall serve for a maximum of two years. Other office-bearing members shall normally serve for a maximum of five years. This year office bearing members eligible for re-election were the Treasurer (Jeremy Marchant), Membership Secretary (Janice Swanson), Communications Officer (John Eddison), Editor (Ray Stricklin) and Assistant Secretary (Neville Prescott). Following a brief discussion of whether all these could be taken in one vote, all were re-elected. The names of people moving to new positions on Council or coming on to Council for the first time were then presented. These were Pierre le Neindre as Senior vice-president, Joy Mench as President, Linda Keeling as Junior vice-president, Ute Knierim as Secretary and Hans Erhard and Ruth Forde as Ordinary Council members. Vacancies on Council had been advertised in the Newsletter and nominations that had been received beforehand

were also given. There were no additional nominations and, following a question as to whether these could all be taken in one vote, these people were elected to the positions.

4) Any other Business
There was none

5) Presidential Address

Pierre le Neindre started his presentation saying that it has been an honour to be President in this Society and that it has been a good experience. He pointed to several reasons why this Society was in such a healthy state, among which were the large number of younger scientists and that even if it is a lot of work to organise meetings, people still continue to volunteer. He then went on to outline what he thought had been the major issues during his time. The first was the discussion on the Society having its own journal, which had now reached the stage of a contract about to be signed with Elsevier. He also emphasised the fact that we are a large society and that it is reaching the point where we needed to consider bringing professionals in to handle some of the routine administration. He said that although this would inevitably lead to an increase in subscription rates, we could not expect people on Council to bear such a heavily work load. He pointed out the Society's plans to increase involvement in teaching in applied ethology and the workshop that had been held at this meeting. But he also pointed out the responsibility we have to help younger scientists on their careers to find jobs and that we should promote exchange between laboratories and countries.

He concluded by thanking the people who were leaving Council for their work, welcomed the new members and thanked the organisers of the meeting in Lillehammer.

Linda Keeling

Call for Offers to Host Congresses

The planning groups for the summer international congresses for the years 2000-2003 are already at work, but we are looking for offers to host the congresses for the years after 2003. If you are interested in proposing to host an ISAE summer congress, please contact Pierre Le Neindre (address details on the inside of the back cover).

Obituary

Alexander Brownlee (1903-1999)

Whenever we think of Alex Brownlee, we are reminded of the well-known greetings card that has a cartoon of a cockerel with a hair comb on its head rather than a biological comb. The exhortation inside the card reads 'Dare to be different'! Throughout his long and productive life, Alex Brownlee, a man we regard with affection and admiration, dared to be different.

At his death in June Alex was aged 96 and the longest serving member of the Royal College of Veterinary Surgeons (75 years). He came from a farming family in West Lothian (Scotland), and had a long and remarkable career, taking his B.Sc. in Pathology and then graduating MRCVS at the Royal (Dick) Veterinary College in Edinburgh in 1924. After a brief spell in practice in London, Alex realised that he was unlikely to be successful in veterinary practice (his own words). Those were the days when most veterinary work was on horses, which for examination and treatment were brought to the ground using a casting rope and lots of force. Alex's small size would not have been an advantage. So he entered the world of research, first at the Moredun Research Institute in Edinburgh where he worked from 1927 on sheep diseases like louping ill, tickborne fever and scrapie, and on equine grass sickness. Then in 1942 he moved to the ARC Institute of Animal Diseases at Compton in Berkshire as a Principal Scientific Officer and remained there until his retirement in 1966. He continued his disease studies but the small group he led also became a pioneer in the scientific investigation of the behaviour and ecology of farm animals with a view to prevention of disease. They focussed particularly on grazing and play behaviour and Alex began to gain his reputation for eccentricity because on occasion his group was apparently doing very little other than sitting quietly watching animals! A man before his time, indeed.

In 1966, Alex was one of the 37 founding members of the Society for Veterinary Ethology (later the International Society for Applied Ethology). He held the post of Honorary Librarian from its establishment in 1967 until 1983. He took a very active role in the Society's affairs, was a regular contributor to the Newsletter, gave papers at Meetings into the 1980s and attended Meetings into the 1990s. In 1988 Alex was made a Life Member of the Society and his scientific contribution to animal behaviour and welfare was also recognised with an award from the Animal Welfare Foundation of Canada.

Longer-established members of this Society will have fond memories of Alex at meetings, sitting in the front row, occasionally fiddling with his deaf aid, and always coming up with original questions and viewpoints. Those who do not remember Alex personally, will almost certainly connect his name with theories on the function of play behaviour in young animals since he was one of the first to publish on this topic (Brownlee, 1954). Needless to say, by the time these ideas became widely accepted in

the 1970s and 1980s, Alex himself had moved on to other ideas.

What members of this Society may not realise is that Alex was extremely well read and had wide-ranging interests apart from applied ethology. He admitted to being intrigued throughout his life by three questions: (i) Is there a connection between Grass Sickness in horses and the destruction of predatory animals by man? (Brownlee, 1939); (ii) Did Robert Burton (1577-1640) contribute to the so-called Works of Shakespeare? (Brownlee, 1960); and (iii) Can evolution be accounted for in terms of Biological Complementariness? (Brownlee, 1981). Alex Brownlee really did dare to be different - how many of us would be prepared to stand up in public and claim Darwin was wrong?

It was always a pleasure to converse with Alex. His powers of observation combined with his very active mind made for delightful discussions. We both have fond memories of meeting him at the Roslin Institute, where the SVE Library was housed latterly. Even well into his 70s, he would think nothing of walking to Roslin on a footpath over the Pentland Hills from his house in Juniper Green (a distance of 18 km each way) in order to deposit some article in the Library. Something on the journey would always have triggered his mind. He might have picked up a botanical specimen that supported his ideas on complementariness, or seen some sheep behaving in an odd way, or observed a rowan tree growing in an unusual habitat. Then somehow Immanuel Kant would be introduced to the conversation - one had to be on one's toes to keep up with Alex. He remained physically active almost to the end - the last time either of us saw him, about a year ago, he was walking home briskly from the shops, his 'messages' in his little wicker basket.

In the Preface to his book on complementariness, Alex expressed his indebtedness to his predecessors by quoting from Robert Burton's *The Anatomy of Melancholy* about a dwarf standing on the shoulders of a giant being able to see further than the giant himself. Alex was small in stature but he was a giant in every other way. We could do no better than stand on his shoulders from where we would see a very long way indeed. Let's remember Alex Brownlee and dare to be different!

References

Brownlee, A. 1939. Grass disease of horses and game preservation : their possible correlation. *Veterinary Record*, 51: 1404.

Brownlee, A. 1954. Play in domestic cattle in Britain: an analysis of its nature. *British Veterinary Journal*, 110: 48-68.

Brownlee, A. 1960. *William Shakespeare and Robert Burton*. Published privately.

Brownlee, A. 1981. *Biological Complementariness: A Study of Evolution*. Published privately.

Ian Duncan and Barry Hughes

Conference Reports

View from ISAE'99 at Lillehammer

This was our first trip to a summer ISAE meeting, and from the enthusiastic comments made by regular attendees, it seems that we may have been slightly spoiled! Not only did the sun shine on the beautiful scenery of Lillehammer throughout all five days, but the hotel and food were excellent (how often do you get the chance to eat *too much* smoked salmon?). Only the painfully high price of drinks and meals dampened praise for Norway as this year's choice of location.

Having so many hedonistic temptations on our doorstep it could have been difficult to remove ourselves to darkened conference rooms, but the friendly atmosphere, comfortable chairs, excellent organisation and planning, and high standard of presentations ensured good attendance throughout. We were also entertained with an interesting mix of local art, music, dancing and culture interspersed over the five days.

To many delegates' surprise, the first session on Human-animal relationships, opened with two poems by local poet Johan M. Falch. 'Tears of a cow', about an aged cow's last journey in from the fields, might have seemed a little anthropomorphic in any other setting, but it proved to be a wholly appropriate reminder that many animals have the capacity to feel pleasure as well as negative experiences. The importance of enjoyable, rewarding experiences to the well-being of animals was further emphasised by two of the conference's plenary speakers, Paul Hemsworth and Barry Spruijt.

This year saw record levels of attendance by postgraduate students and, with delegates presenting oral papers and posters from all continents, it was a great opportunity for the less experienced to see different approaches to similar ethological questions. On this subject, we realise that it was inevitable that limitations on experimental work varied in the different home countries, but many delegates expressed unease at hearing about work that might have been subject to stricter ethical control in their own country. With much of the work in applied ethology aimed at improving animal welfare, perhaps the differing sensitivities of members to animal use should be discussed, both in terms of academic research that is accepted for presentation and from which commercial organisations ISAE receives sponsorship. We appreciate that it can be very hard to find sponsorship, but many UK delegates (at least) were rather surprised to find that their very enjoyable time in Norway was part-sponsored by the Norwegian Fur Breeder's Association.

The social events were appreciated by all, with some delegates in particular doing their bit for the improvement of international relations. We enjoyed an evening on Lake Mjøsa on board the ancient, but still waterproof, SS Skibladner. Other excursions included a tour of the Olympic village, a visit to a mountain farm and a mountain tour with the enigmatically entitled 'various activities'. Fortunately, these turned out to be canoeing, berry picking and mountain walking, all of which proved exemplary ways of spending a sunny afternoon.

The banquet dinner provided yet more evidence of the culinary delights of Norway,

but nutritional saturation failed to prevent a mass exodus to the dance floor following the meal - particularly to see the (apparently Bulgarian) Elvis impersonator ... you really had to be there!

Melissa Albentosa & Oliver Burman
University of Bristol

The prize for the Best Oral Presentation was awarded to Stefan Gunnarsson (Department of Animal Environment and Health, Skara, Sweden) for his paper entitled: *Early access to perches enhances spatial awareness in the domestic hen*. the authors of this paper were: Gunnarsson, S., Yngvesson, J., Keeling, L.J. & Forkman, B. .

The prize for the Best Poster was awarded to: Siobhan Abeyesinghe (Silsoe Research Institute, UK) who, with C.M. Wathes, C.J. Nicol & J.M. Randall presented the poster entitled: *Avoidance of vibration and thermal stress by broiler chickens in a choice chamber*.

Congratulations to the prizewinners, and thanks to the panel of judges.

articles

Legal Scene

DOG BREEDING

The commercial sale and breeding of dogs is the subject of an Act designed to extend powers of inspection and record keeping of such establishments. It comes into force on December 30 1999.

RELIGIOUS SLAUGHTER

Regulations are now in force confining religious slaughter, in the case of animals, to licensed slaughterhouses and in the case of birds to slaughterhouses as defined in 1995 regulations.

THE UK FARM ANIMAL WELFARE COUNCIL (FAWC)

FAWC have direct access to UK Ministers. In July 1999 FAWC presented advice on the enforcement of animal welfare legislation. A serious lack of uniformity was noted. They recommend better co-operation between enforcement agencies, the encouragement of government led welfare initiatives and detailed guidance to local authorities. Better training of personnel, updating of welfare codes and an increase in unannounced welfare inspections. Suggested changes in the law include powers to seize and care for neglected animals, linking livestock support payments to compliance with welfare codes, and the introduction of a competency requirement for all keepers

of livestock. Write to FAWC Government Buildings, Hook Rise South, Tolworth, Surbiton, Surrey KT6 7NF for a copy of this important report.

IMPORT AND EXPORT OF ANIMALS

The UK Minister of Agriculture has announced new rules on the quarantine of dogs and cats. A Law proposing an end to the export from the UK of live farm animals and the transport of such animals over long distances is before Parliament.

Dover Harbour Board has a statutory duty to allow shipping trade. The Board was recently in breach of that duty but exporters of animals could not recover from the Board their losses resulting from the actions of animal rights protesters which in December 1998 and January 1999 stopped the export of live animals. UK cannot legally stop the export of calves to the EU.

CREDITABLE CATS

The UK press report that a credit card was sent to a cat called Thomas. Thomas was offered 56 days interest free credit. Thomas' owner wrote to ask why his other cat, Jerry, had not also been offered a card.

BOOKS & ARTICLES

Palmer, Julian - Animal Law. Paperback. ISBN 0-7219-0802-0. Shaw & Sons.

Livestock worrying by dogs: Farm Law 1999, 44, 8-12. (Law governing livestock worrying by dogs, considering liability of owner of dog, civil liability of dog owner for damage caused to farm animals and rights of farmer to shoot dog threatening livestock).

Bill Jackson

Book Review

Equine Behaviour: Principles & Practice by Daniel Mills and Kathryn Nankervis. 1999. Blackwell Science, 240 pp. ISBN 0-632-04878-6.

Clearly this book was written with both academic readers and lay persons involved with horses in mind. A phenomenal amount of information is presented in three main sections. Part I introduces the concept of 'behaviour' and includes interesting and informative chapters on the study and origins of behaviour, the evolution of the horse and the development of behaviour. Part II continues with an examination of the mechanisms of behaviour and provides a detailed description of information processing, the senses, communication and social organisation and sexual and reproductive behaviour. Part III examines the flexibility and management of behaviour, and looks specifically at learning and training and the welfare of the domesticated horse.

The material presented in the book is based on lectures given to university students and, as a result, is coherent and well structured (students are quick to complain about poorly organised lecture material!). In general the text is interesting and lively, leading the reader easily through a substantial amount of complex scientific information. However, in a small number of places the text has been oversimplified, resulting in a series of less stilted, hence less readable, phrases. Although a substantial amount of very up to date information was presented, there were a few areas (such as the chapters on equine social behaviour and equine learning and training), where key research work was omitted from both the text and further reading list. Each chapter concluded with a list of 'Topics for Discussion' and a list of References and suggested Further Reading. This I thought was a very useful, if not essential, feature - although the topics suggested for further examination varied considerably from dry and limited essay type questions to really quite exciting and thought provoking questions.

It was good to see so many figures included as they assisted with the understanding of the concepts explained in the text. Whilst I had no problem with the use of line drawings for diagrams (such as the anatomy of the eye and ear in the chapter on the senses), I found the use of cartoons throughout the entire book exceptionally irritating. The cartoons detracted from the points that were being made so well in the accompanying text.

In conclusion I would have no hesitation in recommending this book to any lay person with an interest in horses who wishes to understand their behaviour better, and to begin to grasp the concept and implications of (equine) welfare. I would also recommend it as a text for readers with a scientific interest, for use alongside other already well established texts on equine behaviour and equine welfare. The authors (as a veterinary surgeon and a lecturer in equine physiology) were well placed to tackle the ambitious idea of writing a book which would appeal equally to two quite different audiences, and I feel achieved their goal.

Hayley Randle

ISAE meetings

ISAE Nordic Regional Meeting, 27th to 29th of January 2000 will be held at Siggerud (Sormarka kurs og konferansehottell), a small place 20 km south of Oslo, Norway. Further information will be given on a Web-page - watch the ISAE web site for details. The Web-page will be established during October. For further details contact: Morten Bakken, Agricultural University of Norway, Department of Animal Science, P.O. Box 5025, 1432 Aas, Norway, Tel: +4764948003; Fax: +4764947960; E-mail: morten.bakken@ihf.nlh.no or Inger Lise Andersen, Agricultural University of Norway, Department of Agricultural Engineering, P.O. Box 5065, 1432 Aas, Norway, Tel: +4764948710; Fax: +4764948810; E-mail: Inger-Lise.Andersen@itf.nlh.no

ISAE International Congress 2000, Florianópolis, Brazil. For details, contact: ISAE2000, c/o Luiz Carlos Pinheiro Machado Fº, Universidade federal de santa Catarina/CCA - Departamento de Zootecnia & Desenvolvimento Rural, Rod. Admar Gonzaga, 1346, Florianópolis, SC, BRAZIL - 88.034-001; tel: +55 48 331-9184; fax: +55 48 334-2014; email ISAE2000@cca.ufsc.br. Details accompany this Newsletter, and on the web site <http://www.cca.ufsc.br/ISAE2000>

ISAE International Congress 2001, Davis, California, USA.

ISAE International Congress 2002, Utrecht, The Netherlands.

ISAE International Congress 2003, Brisbane, Australia.

OTHER MEETINGS

ASAB winter meeting, 2nd & 3rd December will be held at the Zoological Society of London Meeting Rooms, Regent's Park. The theme of meeting will be *Evolution of the Mind*. For further information, contact: Dr Karen McComb, Experimental Psychology, School of Biological Sciences, University of Sussex, Falmer, Brighton BN1 9QG, UK; fax: +44 (0) 1273 678611; email karenm@biols.susx.ac.uk or Dr Stuart Semple, Institute of Zoology, Regent's Park, London NW1 4RY, UK; fax +44 (0) 171 483 2237; email stuart.semple@ucl.ac.uk

ISAZ2000, 25TH April 2000 in Amsterdam, will be a satellite meeting of the World Small Animal Veterinary Association Congress (WSAVA). The theme of the ISAZ meeting will be *Issues in Companion Animal Welfare*. Offers of contributions are

welcome. The WSAVA congress includes a one-day symposium on *human-animal interactions* on 26th April. For further details, contact: Dr Nienke Endenburg, University of Utrecht, Yalelaan 8, 3584 CM Utrecht, The Netherlands; tel: +31 30 2531565; fax: +31 30 2510126; email: N.Endenburg@pobox.ruu.nl

Consciousness, Cognition and Animal Welfare, 11-12th May 2000. A conference organised by the Universities' Federation for Animal Welfare at The Meeting Rooms, The Zoological Society of London, Regent's park, London. For further information contact: Dr Stephen Wickens, UFAW, The Old Schoolhouse, Brewhouse Hill, Wheathampstead, Hertfordshire AL4 8AN, UK; tel: +44 (0) 1582 831818; fax: +44 (0) 1582 831414; email: swickens@ufaw.org.uk

10th International Congress on Animal Hygiene (SAH) will be held from 2nd to 6th July 2000 in Maastricht, The Netherlands. Further information can be obtained from: ISAH Congress, 2000-office, RNVA, PO Box 14031, NL-3508 SB Utrecht, The Netherlands. tel: +31 30 251 0111; fax: +31 30 251 1787; email: knmvd@pobox.ruu.nl

Measuring Behavior 2000, 15-18th August 2000. The 3rd International conference on methods and techniques in behavioural research will be held in Nijmegen, The Netherlands. To be placed on the mailing list, send your address details to the email address below. Further details can be obtained from: Measuring Behavior 2000, P.O. Box 268, 6700 AG Wageningen, The Netherlands; tel: +31 317 497677; fax: +31 31 317 497677; email mb2000@noldus.nl; web: <http://www.noldus.com/events/mb2000>

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