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ISAE newsletter

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

What's New ?

Those of you who receive the journal *Applied Animal Behaviour Science* will soon see that there is something different about the journal—a new but very familiar logo on the cover. In January, I signed an agreement with Elsevier on behalf of ISAE that formalized our relationship with Elsevier. As many of you will remember, the decision to enter into an agreement with Elsevier was preceded by several years of debate and discussion about whether we should have an arrangement with an established journal or start our own journal. At the AGM in France it was decided that Council should draft an agreement with Elsevier. The general scope and terms of the agreement were presented at the AGM in Norway, and the agreement was approved by a majority of the members. I wanted to outline some of the specific points of the agreement again for you, since your input during the three years of our contract will be very important.

Under the terms of our agreement, Elsevier agreed to:

- Consult with ISAE about the selection and appointment of the Editors-in-Chief and members of the Editorial Board, and also consult regularly with ISAE on mutually beneficial opportunities related to the development and general progress of the journal
- Continue to provide discounted Individual Subscription rates to ISAE members
- Print the name and description of the ISAE in every issue of the journal and print the ISAE logo on the journal cover
- Aim to mention its collaboration with ISAE in relevant Elsevier Science catalogues and promotional material

In return, ISAE agreed to:

- Designate *Applied Animal Behaviour Science* as its only official publication for full-length refereed articles
- Endeavor to promote the journal to its members and internationally
- Endeavor to simulate submissions of the highest professional standards to the journal
- Inform our members at least annually about the subscription arrangement
- Provide Elsevier with display facilities at our Congresses

ISAE has a number of excellent opportunities to promote our society and its mission via the journal under the terms of the agreement. First, there will be an annual ISAE special issue. This will largely consist of papers presented at the previous year's ISAE meeting, but can also contain other papers selected by our Editor and publications committee. We are also invited to suggest special topics issues, review articles, and authors to Elsevier. Finally, Elsevier will place a 1-page advertisement for the ISAE twice per year free of charge, and make up to six text pages in the journal available to us each year for us to use to promote ISAE.

activities. I hope that you will all take the time to consider how ISAE can best benefit from these opportunities and share your ideas with Council.

Meanwhile, the Brazil conference is shaping up to be an exciting year 2000 event for ISAE. Be sure to get your registration forms in, and I'll see you on the beach!

Joy Mench

ISAE President

ISAE Council news

At the 2000 AGM which will take place in Florianopolis, John Eddison will have completed five years as Communications Officer (which is the normal duration of the tenure of an Officer). Also, Cheryl O'Connor and Paul Koene will have completed their periods as ISAE Council members. Council, therefore, requests nominations for a new Communications Officer and for members to take up the two places on Council that will be vacated. Please send nominations (which should include the names of the proposer and seconder, along with the agreement of the nominee) to me before October 1st 2000. In addition to the vacancies on Council, Don Broom has decided to retire from being an ISAE representative at the Council of Europe and so the Society will be looking to appoint a successor to Don. The ISAE is extremely grateful for all the hard work that Don has carried out over the past twelve years.

Ute Knierim

ISAE Secretary

Regional Secretaries

Australasia/Africa: Lindsay Matthews
Benelux: Harry Blokhuis
Canada: Allison Taylor
East Central
Europe: Marek Špinka
Mediterranea: Elisabetta Canali
East Asia: Shusuke Sato

Scandinavia: Knut Boe
South America: Luis Pinheiro
UK/Ireland: Libby Hunter
USA: Julie Morrow-Tesch
West Central
Europe: Hanno Wüerbel

Bug in the System

During the week 29th November – 3rd December 1999 Council again held its Winter Meeting over the Internet and again there was a bug in the system, but it was just there to listen and now to report to you on the main lines of discussions and decisions taken.

One major topic of this meeting was adjustment of Council work to the welcome growth of our society – we now have well over 600 members – in terms of workload for Officers, services and alleviation of transitions between Council members. A “services subcommittee” (composed of Janice Swanson, Jeremy Marchant, John Eddison, Linda Keeling and Joy Mench) shall further investigate strategies to find assistance in functions such as managing the membership database, the website or the accounting. Taking advantage of any professional assistance might mean that membership subscriptions have to be increased and so careful considerations are necessary. A complementary approach is a better and more transparent formalisation of procedures. On this line it was decided to set up Bye-Laws that include details about the functions of officers, members-at-large, regional secretaries, conditions for honorary membership, functions and appointments of committees, and other matters as deemed important. It was also found that a Parliamentarian who supervises meetings (Council and AGM) and makes sure that they are conducted in line with the Constitution and Bye-Laws will be a helpful new function. Together with our Legal Advisor Bill Jackson and other members of Council, the Parliamentarian will also be responsible for writing the Bye-Laws and revision of the Constitution as necessary. So, proposals are welcome on any person with Parliamentary leanings who would enjoy this new job.

In particular with regard to the function of regional secretaries and conditions for honorary membership there was some discussion and several suggestions made. This will be continued at the next Council meeting. However, it was already agreed that for Regional Secretaries a serving time of 3 years in more active regions and a maximum of 5 years would be most appropriate. Such a turn-over will give more people the opportunity to become familiar with the working of ISAE and Council. Several regions found it difficult to carry out regional meetings and are currently investigating needs and hindrances. Each region has to find its own system. For some regions a planning committee to organise meetings might be helpful, so that the work doesn't fall to one person. A last point raised was that some regions might want to establish a webpage, linked to the main ISAE website, perhaps in the local language. Part of the planning would have to be the long term management of the site.

Regarding the general ISAE website it was decided to get the domain name “applied-ethology.org” in order to give the ISAE a more professional appearance and to make it easier to find the web site. This will incur set up fees for the domain name and biennial registration fees.

According to the report of our Treasurer Jeremy Marchant the General Fund has increased since the AGM by 2642.17 pounds to 30,920.54 (26th November 1999), the Council of Europe Fund has decreased by 452.35 pounds to 1597.98.

Connected to this information is always the appeal for members in arrears (still 207!) to renew their subscriptions, and to forward names and addresses of potential financial supporters of our Council of Europe work to the Assistant Secretary, Neville Prescott.

Conditions of subscription to Applied Animal Behaviour Science will change in future (after our agreement with Elsevier) in that Elsevier will request payment from individual ISAE subscribers. The subscription rate stipulated for the year 2000 is DFL 180 (December 1999: 51 pounds or 81 dollars), including postage and handling. VAT will be added where applicable. So some subscribers will pay more and some less than in the past according to their national tax rules.

The next Council meeting will be held on 17th October 2000, in Florianopolis, Brazil and very likely this time a "Fly on the Wall" will be there as your little spy.

Ute Knierim
Secretary

ISAE news

ISAE Membership

New Members

The following new members have been approved by Council:

Bergljot **Borresen**, Norway
Claire **Diederich**, Belgium
Machteld van **Dierendonck**,
Netherlands
Jo Anne **Grindrod**, UK
Claus Peter **Hansen**, Denmark
Maria J. **Hotzel**, Brazil
Risto **Kauppinen**, Finland
Lesley Anne **King**, UK
Janice **Koler-Matznick**, USA
Ruth Emma **Lawson**, UK
Samantha **Maddocks**, UK
Jitka **Maletinska**, Czech Republic
Katherine **Miller**, USA
Catherine **Morrow**, New Zealand
Lise **Overgaard**, Denmark
Thusith Semini **Samarakone**, Japan

Sophie **Sharpe**, UK
Ian **Sneddon**, Northern Ireland

Resignations:

Lloyd Richmond **Fell**, Australia
Maria Leonar **Galhardo**, Portugal
Jane **Geismar**, Sweden
Jane **Hodgson**, UK
Richard **Kirden**, UK
Matthias **Link**, Germany
Allan **McKinnon**, Australia
Caroline **Manser**, UK
Roy **Moss**, United Kingdom
Michel **Picard**, France
Crista **Rayner**, Hong Kong
Gareth **Thomas**, UK

Subscriptions, Applied Animal Behaviour Science & Membership Information

I should like to welcome our new members to ISAE and hope that you will take full advantage of your membership privileges. To be listed as a new member in the newsletter, an applicant must first be approved by ISAE Council then pay their membership subscription. As a reminder to our renewing members June 1st is the renewal payment for the next membership period (June 1 2000-May 31, 2001). You may pay up to 5 years in advance guaranteeing your dues will not be raised during that period. Please be sure to pay in British Sterling. You may pay by credit card (VISA, MASTERCARD, EUROCARD) to make the conversion easier.

I would like to call your attention to the revised subscription payment form. In the past you could order, renew, and pay for a subscription to Applied Animal Behaviour Science (AABS) on your ISAE subscription form. ISAE's new contract with Elsevier Publishing requires that they bill directly for new and renewal subscriptions. You will no longer be sending ISAE payment for AABS subscription. However, for members wishing to initiate a subscription to AABS a box is provided on the membership subscription form for you to check. Your name and address information will be sent to Elsevier for processing and billing. Please do not include payment. AABS is offered to ISAE members for 180 Dutch Guilders plus applicable VAT. I would ask members to be patient while we work through this transition. Please alert me to any problems you may experience receiving your subscription.

Finally, I would like to thank the membership for their response to providing me with updated information for our membership directory. If you have not filled out the form please take time to do so. Also be sure to indicate your permission to publish your information in the directory. If you have not sent in the form you will not be listed in the directory. Thank you for your cooperation and I look forward to seeing you in Brazil..

Janice Swanson
Membership Secretary

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. The domain name will be changing soon, further news will be published in the autumn edition of the Newsletter and on the applied-ethology email list.

John Eddison
Communications Officer

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 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. I am often asked exactly what the role of our representatives on Council of Europe actually do. Later in this issue of the Newsletter, there are two reports from our representatives. It is important to remember that the deliberations of the Council of Europe and, as a consequence the contributions made by our representatives, are influential beyond Europe.

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.CRL.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

Council of Europe

ISAE provides expert advice and observers to discussions within the Council of Europe concerning animal welfare issues. Here are two reports detailing the areas of discussion that have taken place during the past year. In the first, Paul Koene summarises the deliberations of four expert groups. In the second, Don Broom reports from the Standing Committee of the European Convention for the Protection of Animals Kept for Farming Purposes.

A Short report from the ISAE contributors to Council of Europe (CoE) discussions on animal welfare

The 'Strasbourg group' exists of 8 people. Frank Odberg and Don Broom represented the ISAE on past Council meetings; Neville Prescott is, as assistant secretary involved in fund raising, Ute Knierim as the ISAE secretary. Additionally, there are four experts involved in revision of Appendix A of the European Convention on the protection of vertebrate animals used for experimental or other scientific purposes. The four representatives of the ISAE are Markus Stauffacher (rodent/rabbit), Robert Hubrecht (dog/cat), Sandra Edwards (minipig) and Paul Koene (non-human primates). I have information concerning their progress of all four groups. Furthermore, Don Broom attended meetings of the Council of Europe Standing Committee for the protection of animals kept for farming purposes in Strasbourg in June and November 1999 and has contributed the following report to the ISAE newsletter in which he discusses several issues.

The dog/cat, the rodent/rabbit and the minipig expert groups seemed to have finished their work. The non-human primate group is delayed by trying to adopt another concept for determining minimum cage size requirement for lab animals, and the establishment of a research project to verify this concept has demanded much of the attention of this group. All groups analysed the text of the appendix A and made changes without too many difficulties. All suggested changes will be discussed on the next meeting of the Standing Committee of the Council of Europe from 9-12th May 2000.

Rodents and rabbits. In 1999, the CoE expert group "rodents and rabbits" was very active in working out proposals for amendments to a revised Appendix A of the Convention. Proposals were finalised at the last meeting of the co-ordinators of the groups of experts on 17 December 1999. As a representative of ISAE (and a zoologist), Markus Stauffacher has played a very active role in that expert group, especially in working out larger parts of the written documents. This group determined that minimum recommendations for cage/pen sizes (floor area and height) must depend on the minimum enrichment requirements, which have to be incorporated into the cage/pen. Incorporation must be done in such a way that the animals can perform a wide range of different behaviours and can cope successfully with their spatial and social environment.

Dog and cats. Robert Hubrecht attended all expert meetings, at which they have developed the groups proposals for changes to the introduction to the appendix, and changes to the tables. In particular, Robert has provided a source literature search document on enrichment, and has written sections on this subject and on the issue of noise. Through his close links with the other expert groups, Robert has tried to ensure that the groups produced a similarly structured output. In particular, the group has now decided that the tables should contain species specific sections outlining the biology of the species with implications for husbandry. He also attended the CoE working party in Strasbourg in Jan 1999 and, at that meeting, presented the initial workings of the group to the National representatives and observers.

Minipigs. Sandra Edwards participated in the Minipig Expert group. This group suffered from a change of co-ordinator and hampered communication. This resulted in the final proposal and report from the group being submitted to the Council without information of some members and without Sandra's final comments. At the moment it seems that in comparison to the other species expert groups, the minipig group was less successful in fulfilling its designated role.

Non-human primates. My personal role in the primate expert group (PEG) was a supportive one. The chairman of the PEG is a primate ethologist vigorously promoting science-based changes to the Appendix. I could also play a significant role during discussions as in course of time those discussions became more intense as interests of defenders of industry and of welfare intensified. The group made many suggestions for updating Appendix A. Other than the rodent and rabbit group, we defined a new concept for minimum cage size based on biometrical and behavioural data (the SOSU-STEP housing, i.e. Sitting On, Sitting Under (a perch), and floor size based on steps and pair housing). The ethologists and the majority of the group contributed to design a research project for making the SOSU-STEP concept a science-based concept. This design of a research project took much time, maybe too much time. Unfortunately, not many primatologists are members of the ISAE.

Council of Europe Committee. Don Broom reports that the ISAE continues to contribute scientific evidence, which helps in the progress towards better farm animal welfare legislation and codes of practice. The major activities at the meetings of the Standing Committee of the European Convention for the Protection of Animals Kept for Farming Purposes (T-AP) in Strasbourg in June and November 1999 were the adoption of Recommendations on ducks, Muscovy ducks, geese and fur animals, and work on Recommendations on turkeys, pigs and farmed fish. Whatever the future topics chosen, it is clear that ISAE can continue to supply the scientific evidence, which is the major source of information upon which the Recommendations are based. Don thanks all ISAE members who provided information and has decided to hand over to someone else after the next meeting in May 2000. We thank him for his contribution to Council of Europe activities and the animals.

In summary, I think that the proposals of all expert groups will have a significant impact on the new Appendix A for lab animals. Proposals based on science and good practice are the most important ingredients for the recommendations for housing and welfare of the animals.

Paul Koene

A Report from the Standing Committee of the European Convention for the Protection of Animals Kept for Farming Purposes

ISAE continues to contribute scientific evidence which helps in the progress towards better farm animal welfare legislation and codes of practice. The major activities at the meetings of the Standing Committee of the European Convention for the Protection of Animals Kept for Farming Purposes (T-AP) in Strasbourg in June and November 1999 were the adoption of Recommendations on ducks, Muscovy ducks, geese and fur animals and work on Recommendations on turkeys, pigs and farmed fish.

The most contentious issues in relation to ducks and geese were stocking density as always, keeping in small cages, provision of water, and force-feeding. The space allowance in groups was specified only in relation to rather general needs but small cages were excluded by requiring sufficient room to show normal preening movements, social interactions and wing-flapping. Water provision went only as far as a requirement that ducks and geese shall be able to dip their heads under water. Foie gras production was limited to where it is current practice. The minutes of the meeting recorded declarations about force-feeding by Switzerland, the United Kingdom and The Netherlands and that the ISAE Observer stated that scientific evidence, as summarised in the Report on Welfare Aspects of the Production of Foie Gras in Ducks and Geese" by the E.U. Scientific Committee on Animal Health and Animal Welfare, had not been sufficiently taken into account.

The Recommendation Concerning Fur Animals is a revision of an earlier Recommendation. It now includes cage size minima which are larger than some cages at present in use. It also requires that action must be taken or farming stopped if there is a significant level of stereotypy or self-mutilation in mink on a farm or a significant incidence of infanticide in foxes.

Major discussion points in relation to turkeys concern stocking density, light levels, enrichment of the environment, beak-trimming and breeding for greater production without sufficient regard for welfare problems such as leg-disorders and mating inability. Some parties to the European Convention want to have a maximum stocking density stated but other parties do not. The keeping of turkeys at light levels which do not allow any exploration is likely to be prohibited except in emergency situations.

The important Recommendation Concerning Pigs has required much ISAE input but this is facilitated by the E.U. Scientific Veterinary Committee "Report on the Welfare of Intensively Kept Pigs." Major issues are enrichment methods and space allowance, flooring, dry sow confinement, farrowing conditions, tail-docking and castration. The difficulty of adequate environmental enrichment with fully

slatted floors has been discussed at length. This topic also interacts with the necessity for tail-docking. A large majority of European countries seem convinced that pregnant sows should not be kept in tethers or stalls whilst a similar majority seem to favour continuing use of farrowing crates. In formulating Recommendations, the views of the majority of delegates can be over-ridden by a country's blocking vote.

Another discussion of interest to ISAE members concerned the meaning of the term "scientific knowledge". Since Recommendations use this term (it was proposed by ISAE member Ingvar Ekesbo, when he was the representative of Sweden) that the term should be defined in relation to its use in a legal document. The present version is as follows "Scientific knowledge. Results published in well-known and respected international journals with a peer review system. The results must be supported by several publications or at least not refuted in other papers published in the same journal or in journals of a similar scientific quality."

The future work of the committee should include a new species, of which rabbits will be next, and a revision of an existing document. Helpful suggestions by Pierre Le Neindre, who attended a meeting for two days, concerning education and welfare-based labelling schemes are also under consideration. Whatever the future topics chosen, it is clear that ISAE can continue to supply the scientific evidence which is the major source of information upon which the Recommendations are based. I thank all members who have provided me with papers or information.

After twelve years advising this Committee on behalf of ISAE, I have decided to hand over to someone else after the next meeting. I have learned a lot about legislators and animals, met many interesting people and felt some satisfaction at contributing to many laws.

Don Broom

Regional news

Vacancies for the Regional Secretaries for Canada and USA

At the North American Regional Meeting that will take place in Guelph in June, the ISAE Regional Secretaries of both Canada and USA - Allison Taylor and Julie Morrow-Tesch, respectively - will be retiring. As Ute Knierim mentioned in her summary of the Winter Council Meeting, the role of the Regional Secretary was discussed. The ISAE Council has produced guidelines for the role and responsibilities of the Regional Secretary, and these are as follows:

GUIDELINES FOR REGIONAL SECRETARIES

Within the organization of ISAE, Council appoints Regional Secretaries, according to the constitution.

The regions to be represented are determined by Council but will not normally be smaller than one country or represent more than 20% of the membership.

Before appointing a Regional Secretary, the members from that region should be requested, by mail, to submit suggestions for that position.

Regional Secretaries serve at the discretion of Council and their appointments may be reviewed, extended or revoked at any time. Reviews should take place at least once every five years.

Regional Secretaries will be eligible to attend meetings of Council but not to vote.

The task of the Regional Secretary is to further the aims of the society within that region. For example, the Regional Secretary is expected:

- a) To communicate with members within the region and present their concerns and opinions to Council;
- b) To supply the editor of the newsletter with information, such as meeting announcements, relevant to applied ethology and ISAE;
- c) To promote the organization of appropriate regional meetings of ISAE where current research and matters of interest to the members may be presented and discussed;
- d) To inform the members about current business of ISAE;
- e) To foster links and promote cooperation between ISAE and other groups and individual scientists with interests common to ISAE;
- f) To promote membership in ISAE;
- g) To inform appropriate government, industry and animal interest groups about the aims and activities of ISAE;
- h) To conduct other activities which are relevant to the specific regions and which are requested by the members in the region;
- i) To give an oral or written report to Council each year about ISAE activities in the region.

The Institute of Biology

The Institute of Biology (IoB) is a professional body for UK biologists. It was founded in 1950, obtained a Royal Charter in 1979, and is a registered charity. It currently has approximately 16,500 members who work in industry, research, education and healthcare. The principal professional title awarded by the IoB is Chartered Biologist (C.Biol) which can be held by either members (MIBiol), or fellows (FIBiol) of the Institute.

As part of its activities, the IoB co-ordinates a forum of affiliated societies, on which the ISAE is represented. This forum allows learned societies such as the ISAE to 'have a voice' in British and world-wide biological affairs. For example, the IoB are frequently asked to respond to government consultations on current issues. In addition to the affiliated societies forum, the ISAE is also represented on the Agricultural Sciences Committee of the Institute.

As the ISAE representative at the IoB, I attended the affiliated societies forum meeting which was held in London on the 8th February, 2000. The main aims of the meeting were to a) allow the UK Government's Chief Scientific Advisor (Prof.

Sir Robert May) to respond to the recently published IoB science policy priorities, and b) to discuss the future of the IoB. The IoB identified the following areas as of concern:

- The state and status of the UK research community
- Researcher's career structure and remuneration
- The post-genome challenge
- Public understanding of science
- Science underpinning sustainability
- Education

Under the second aim, the IoB are currently considering a review of their structure. This review recommends the formation of a larger organisation which would encompass the UK Life Sciences Committee and National Committee for Microbiology and be termed something along the lines of the 'Bioscience Federation'. This would allow the pooling of resources and provide a unified voice for Biology. Individual learned societies are being asked for their views and I would like to ensure that the ISAE has an input into these discussions.

If anyone would like to participate in these discussions on the future of the ISAE could these please liaise with me by e-mail. In addition, if anyone would like further information concerning the IoB and its activities, please do not hesitate to contact me.

Jon Day.

ISAE Regional Secretary for UK and Eire and IoB liaison representative

Obituary

Klaus Vestergaard (1944-1999)

Klaus Vestergaard (born 14th September, 1944) died on the 16th November, 1999, after a hard struggle with cancer. We were all very impressed by his will and mental strength during the 3-year period of the incurable disease. He never lost his enthusiasm in relation to ethology and farm animal welfare and his working capacity was indeed enormous until the last few weeks of his life. Klaus was a real scientist with a great interest and knowledge not only concerning his own subject ethology but also in biology in general. The science of ethology, as well as the biological basis of animal welfare, has suffered a very big loss by the far too early death of Klaus Vestergaard.

Klaus graduated in biology in 1974 from the University of Copenhagen, Denmark, with a Masters Degree in Ethology. The same year he was employed at The Royal Veterinary and Agricultural University in Copenhagen on a project

concerning the behaviour and welfare of the laying hen. This subject in fact was Klaus' main interest throughout his life. From 1982 to his death Klaus was Associate Professor in Ethology at RVAU.

Most of Klaus' scientific work was related to feather pecking and dust bathing in the fowl and in 1994 he defended his thesis on this subject. His theory on the motivational and developmental aspects of feather pecking is known world wide. Until his death, he was convinced that feather pecking is very closely linked to dust bathing behaviour due to a mis-imprinting on feathers in the very young chicken. Many of us believe that Klaus' theory will in future have a great impact on the solution of the biggest problem in modern egg production.

Although chicken behaviour was Klaus' favourite subject, he also did a vast amount of scientific work on pig behaviour and welfare. His collaboration with Alex Stolba, David Wood-Gush and Per Jensen from Switzerland, Scotland and Sweden respectively has been of great importance for our knowledge of the ethogram of the domestic pig and for work on the establishment of alternative housing systems within commercial pig production.

Klaus was an international person. He studied ethology in many countries in Europe and overseas and he collaborated with many outstanding colleagues within the field of ethology. He was known not only as a very skilled ethologist but also as a very friendly and helpful person. His eagerness to welcome young applied ethologists in discussion of their work at ISAE meetings was a hallmark of his generous spirit. These personal qualities were very important not only for his scientific work but also for his teaching of many undergraduate and postgraduate students. Klaus was a very inspiring teacher and his interest and enthusiasm in relation to animal behaviour and welfare has been of great importance for many students not only from Denmark but also from other countries.

From 1982 until his death, Klaus was a very active member of the board of The Danish Society for Protection of Animals. His great biological skill and his compassion for wild and domesticated animals was of the greatest importance in the development of animal welfare work both in Denmark and internationally.

We shall all miss Klaus S. Vestergaard and our thoughts are with his wife Dorte and their children Ole, Lars and Maj.

Henrik B. Simonsen

Section of Ethology and Health,

The Royal Veterinary and Agricultural University

Copenhagen,

Denmark

ISAE Meetings

North American Regional Meeting, Guelph 10-11th June 2000. For details contact: Dr Tina Widowski/ISAE, Department of Animal and Poultry Science, University of Guelph, Guelph, ON N1G 2W1 Canada. The meeting will be associated with two other meetings:

9th June: Expert Committee on Farm Animal Welfare & Behaviour. The Expert Committee functions as one of the Committees under the Canadian Agri-Food Research's Canada Committee on Animals. It is made up of representatives from the research community, the livestock industry, and government extension staff. The Expert Committee meets annually to discuss animal welfare issues and to set research priorities.

10th June: Farm Animal Welfare: Challenge 2000: This Conference will review the progress that has been made in farm animal welfare in the past 20 years and will examine the challenges that face the animals industries as they move into the next century. It is designed for representatives of commodity groups, producers, animal welfare organizations, veterinarians, researchers, students, agricultural extension staff, consultants, and interested members of the public.

ISAE West Central Europe Regional Workshop, Zurich 8-9th September 2000: *Individuality in farm and laboratory animals.* The language of the workshop will be German. For details, contact: Dr. Lars Schrader, ETH Zürich, Institut für Nutztierwissenschaften, Gruppe Physiologie und Tierhaltung; email: lars.schrader@inw.agr.ethz.ch or Dr. Ute Knierim, Tierärztliche Hochschule Hannover, Institut für Tierhygiene und Tierschutz; email: Uknierim@Ith.tiho-hannover.de or Dr. Susanne Waiblinger, Veterinärmedizinische Universität Wien, Institut für Tierhaltung und Tierschutz; email: Susanne.Waiblinger@vu-wien.ac.at

ISAE International Congress 2000, Florianopolis, Brazil. For details, contact: email ISAE2000@cca.ufsc.br. Updated information can be found on: www.cca.ufsc.br/ISAE2000

ISAE International Congress 4th-8th August 2001, Davis, California, USA.

ISAE International Congress 2002, Utrecht, The Netherlands.

ISAE International Congress 2003, Brisbane, Australia.

OTHER MEETINGS

Ungulate Research Group Conference 2000, 30th May-2nd June Ford Castle, Northumberland, UK. For details, contact Prof Stephen Hall; email: sjghall@dmu.ac.uk; tel: +44 (0)1400 275594; fax: +44 (0)1400 272722

10th International Congress on Animal Hygiene (SAH), 2-6th July 2000, Maastricht, The Netherlands. Contact: ISAH Congress 2000 Office, RNVA, PO Box 14031, NL-3508 SB Utrecht, The Netherlands. tel: +31 302510111; fax: +31 302511787; email: knmvd@pobox.ruu.nl

Fourth European Meeting for the Experimental Analysis of Behaviour (EMEAB4), July 9th-13th 2000. Amiens, Ecological and Economical Approaches to Behaviour France Michel Sokolowski, EMEAB 4, Université de Picardie - Jules Verne, Faculté de Philosophie, Sciences Humaines et Sociales, UPJV, Chemin du Thil, 80025 Amiens cedex 1. France. e-mail: msokolowski@nordnet.fr <http://www.u-picardie.fr/~LaboECCHAT/EMEAB4/>

ASAB Summer Meeting, 26-28th July 2000, University of Cambridge. For details, contact: Prof. PPG Bateson, Sub-Department of Animal Behaviour, Madingley, Cambridge CB3 8AA

Measuring Behavior 2000, 15-18th August. 3rd International Conference on methods and techniques in behavioural research, will be held at Nijmegen, The Netherlands. For further details, contact: Conference Secretariat, Measuring Behavior 2000, PO Box 268, 6700 AG Wageningen, The Netherlands; tel: +31 317 497677; fax: +31 317 424496; email: mb2000@noldus.nl; web: www.noldus.com/events/mb2000/index.html

Congress on Agricultural and Food Ethics, 24-26th August 2000, Copenhagen, Denmark. For details, contact: Ms A Ito, Royal Veterinary and Agricultural University, Grønnegårdsvej 8, DK-1870, Frederiksberg C, Denmark. tel: +45 35283010; fax: +45 35283022; email: ai@kul.dk

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