

September 2001 • No. 7

### **Annual Meeting, University of York, 8-10 April 2002**

#### **It's that time again!! Wednesday 31 October 2001 is the deadline for the receipt of summaries for the 2002 Annual Meeting.**

We will, as always, be strict about the date of receipt, but will be operating the inclusive approach to the assessment of summaries, so if you have a paper presentation in mind then send it in for York 2002. Remember by Tuesday 31 October, we need the final version of your summary conforming to the enclosed BSAS guidelines. Summaries should be sent electronically, by email or disc. Please refrain from sending more than one version as this only confuses matters.

#### **8-10 April York 2002. Your chance to get involved!**

Below is a list of topics for invited sessions for the Annual Meeting 2002. Whilst some of these sessions will have two or three invited speakers a number will only have one so that there is ample room for submitted papers. If you work in any of the areas and wish to be involved, have a paper included or to discuss details then please contact the organiser or BSAS.

#### **Ethical Issues in Animal Science** (organised by BSAS)

Ethical issues - *R Scruton, Sunday Hill Farm, Brinksworth*

The legacy of positivism and the role of ethics in animal science *P B Thompson, Purdue University, USA*

Ethical issues in animal biotechnology *P Sandøe, S B Christiansen & J Lassen, Centre for Bioethics & Risk Assessment, Denmark*

The ethical basis of intensive livestock production systems *G Gatward, The Arthur Rank Centre, Stoneleigh Park*

#### **Leptin** (Organiser Melissa Royal email: [Melissa.Royal@nottingham.ac.uk](mailto:Melissa.Royal@nottingham.ac.uk))

Invited Speakers:

*Karen L. Houseknecht, Ph.D. Pfizer Global Research and Development, Canada*

*Yves Chilliard, INRA-Theix FRANCE*

#### **Implications of world population increase on demand for animal products**

Invited speaker: *Dr Chrissie Peacock, Director, Farm Africa.*

#### **Nutritional Standards** (Organiser Sandra Edwards, email: [sandra.edwards@ncl.ac.uk](mailto:sandra.edwards@ncl.ac.uk))

A feedback session on progress for the assessment of UK standards for Pigs, Poultry, Beef, Dairy & Sheep.

#### **Risk Assessment** (contact BSAS)

Techniques in risk assessment, Epidemiology case study,  
Risks in animal feeds, Economic consequences

#### **Enhancing Immune Responses**

Breeding & genetics, Nutrition, Veterinary

#### **Enzymes in feed resources/upgrading of low quality feeds**

(organiser, Emyr Owen, email: [e.owen@reading.ac.uk](mailto:e.owen@reading.ac.uk))

#### **Aquaculture** (contact BSAS)

If you feel any of these areas are of interest to you and would like to help please contact the office.

continued/.....

#### **Inside this issue...**

Annual Meeting 2002	1
Annual Meeting 2002 Electronic journal Cambridge Meeting Summaries 2001 Membership password Books	2
BSAS Scholarships Nutritional Standards	3
BSAS Meetings	4
Other Meetings	5
Summary Guidelines Form and example for Annual Meeting 2002 (click here)	6

BSAS,  
PO Box 3,  
Penicuik,  
Midlothian EH26 ORZ. UK  
Tel: 00 44 (0)131-445-4508,  
Fax: 00 44 (0)131-535-3120,  
Email: [bsas@ed.sac.ac.uk](mailto:bsas@ed.sac.ac.uk)  
Website <http://www.bsas.org.uk>

## Annual Meeting 2002

### Integration of Animal Science .

Prof John Milne, the BSAS President is working on two President's sessions that are likely to look at a number of aspects of animal science and how they relate to practical farming systems. This will include a holistic approach and cover the environment and ecology.

### The Hammond Lecture - Draft title is 'Has animal science failed society'.

### An invited consensus meeting on 'Farrowing Care and the Welfare of Pregnant Sows' .

Jon Day and Alistair Lawrence are organising this to be held adjacent to the York 2002 meeting. Interested? Please contact email: jon.day@adas.ac.uk

As in 2001 we have a number of other groups joining us including WPSA, ISAE and the Agricultural group within the Royal Society of Chemistry. We are still talking to the National Beef Association on whether the postponed 2001 session on **Scientific solutions to practical problems in beef production** can go ahead. With Foot & Mouth cases still occurring in Yorkshire it may be some time before a decision can be made.

**What Price Cheap Food?** meeting postponed from June 2001 is planned for Sunday and Monday morning, 7/8 April . Watch the BSAS website for details.

## Electronic journal - can you save us money??

Please have a look at the electronic version of Animal Science on the BSAS website. Tell us what you think. If you like the electronic version and are willing to forgo the hardcopy now for the remainder of 2001 then you can save your society a great deal of money by telling us now so that we can stop printing and posting your paper issues.

If you click on the BSAS website at [www.bsas.org.uk](http://www.bsas.org.uk) you will find editions of Animal Science available. Members can access the full papers from Volume 71 (August 2000). Non members and members can read the abstracts from volume 70 (February 2000).

Annual Subscription due 1st January 2002

In October you will receive an invoice/advice note regarding the new rates of subscription agreed at the 2001 AGM.

Ordinary membership including the on-line version of the journal £55 annually

- Ordinary membership including the on-line version of the journal and the printed version £75 annually
- Retired members and postgraduates will continue to get half price membership
- Students would get free membership but no access to the journal

## BOOKS

### Appetite

Appetite is a journal for "research on eating and drinking". It covers all animal species but lately has become predominantly human-orientated. The editors are seeking to once again broaden its coverage of other species, including farm and wild animals. In addition to traditional research papers, Appetite also publishes reports and abstracts of appropriate meetings, one-page letters and commentaries. Appetite is covered by the major indexes and has a home page at: <http://www.academicpress.com/appetite>

Appetite is an international research journal specializing in behavioural nutrition and the cultural, sensory, and physiological influences on choices and intakes of food and drinks. It covers normal and disordered eating and drinking, dietary attitudes and practices and all aspects on the basis of human and animal behaviour toward food.

## Integrated Management Systems for Livestock 11-12 September 2001

A joint BSAS/ Institute of Agricultural Engineering meeting which focuses upon sustainable production of livestock using integrated management systems to monitor and control the main production processes. It will deal comprehensively with both biological knowledge and engineering technology needed for successful production to ensure high quality products, efficiently produced with minimum environmental cost.

As we go to press we have 75 delegates and thus a few spaces left if you read this in time!!! Contact The Conference Secretary at Silsoe,  
Tel: 01525 861096

## Annual Meeting Summaries 2001

If you would like a copy of the book or a CD the office has some for sale (£30 to members and £40 to non-members).

The publication is also available free on the BSAS website.

### MEMBERSHIP PASSWORDS

Have you got your Members Password for access to Animal Science on the BSAS website?

It was sent to you by e-mail or on the inside cover of your 2001 Membership list in June.

If it did not arrive or you cannot find it then contact us now on [bsasstaff@ed.sac.ac.uk](mailto:bsasstaff@ed.sac.ac.uk).

## BSAS Scholarships 2002

### **The Sir Kenneth Blaxter Award**

This scholarship is for travel in the UK or overseas or for a specified study tour or to fund a specific short research programme. It may also be used to part-fund projects. There are no specific topics for the awards for this year and all innovative ideas in the field of animal sciences or associated biological sciences will be considered. The sum of £1500 is available.

### **The Alan Robertson Fund**

The scholarship is open to anyone who is involved or interested in animal genetics or breeding. Non BSAS members can apply. The sum of £1400 is available.

### **The Murray Black Award**

This award aims to provide travel and research opportunities for younger members of BSAS. Up to £2000 is available in the areas that include animal welfare, sheep nutrition and husbandry, farm management, animal science aspects of conservation and the public understanding of animal science. Innovative ideas outside of these areas will also be considered.

**Deadline for all BSAS scholarships is 31 October 2001**

**Athens 4-6 October 2001**

**Organic Meat & Milk from Ruminants**

**see page 4 for details**

## Nutritional Standards Update

A good deal of progress has been made with regard to the initiative to identify and review current nutritional standards relevant to UK farm animals. A meeting of interested stakeholders took place in late June at the BVA in London and issued the following:

### **Executive Summary**

*A working group representing organisations interested in the establishment of a body to consider Nutritional Standards for Livestock met in London in late June 2001. They agreed on the need for such a body and to support a proposal from BSAS to seek funding from DEFRA to set up a Nutritional Standards Group within but autonomous from BSAS. This new group would in the first instance review the sources of nutritional information available within the UK and overseas. Species groups would cover Pigs, Poultry (eggs & meat), Dairy, Beef, Sheep. These subgroups would consist of specialists from industry, academia & government/levy bodies.*

The longer-term remit of this new group is likely to review current and recent nutritional information and identify gaps in knowledge where research may be required. Besides collecting information the new group is likely to assess, comment on and independently endorse relevant information. The provision of nutritional information for livestock and provision of some quality assessment will be of particular value to small and medium size businesses, those teaching in academia, as well as to government and livestock agencies to help identify priority areas for research and policy development and assist in the discussions on EU legislation.

It is hoped the new body, which has yet to decide on a name, will start operations in the autumn of this year.

A proposal has now been submitted to DEFRA for funds to undertake the initial review of currently available information on nutrient requirements for each of the major farm livestock species. The proposal would also identify areas for which the information is inadequate to meet UK needs and make all the information collected or identified available to interested UK parties.

If the proposal is successful then each of the five species groups will separately assess the situation by:

Identifying the published standards available, assessing the extent to which they cover the full range of nutrients, the extent to which they are up to date, the scientific quality of any modelling approaches and their scientific relevance for UK.

The aim would be to make the information collected available at the BSAS annual meeting in York in April 2002.

There is a great deal of support for this initiative as currently there is a confusing mass of information available from around the world. Some of this is not relevant or incomplete which makes its interpretation for use on UK farms a very difficult task especially now that factors such as welfare, pollution and animal health are as important as production itself.

## **Future BSAS Meetings**

- 11-12 September 2001** **Integrated Management Systems for Livestock, Cambridge**  
A joint BSAS/ Institute of Agricultural Engineering meeting which focuses upon sustainable production of livestock using integrated management systems to monitor and control the main production processes. It will deal comprehensively with both biological knowledge and engineering technology needed for successful production to ensure high quality products, efficiently produced with minimum environmental cost.
- 4-6 October 2001** **Organic meat and milk from ruminants,**  
BSAS and the Hellenic Society of Animal Production are running this joint meeting in October 2001 in Athens on Organic production from Ruminants.  
This meeting is generating a lot of interest with over 40 submitted papers.
- The keynote papers will include:
- The future of the European market for organic produce - opportunities and challenges. *Prof Steen Kristensen & Prof S Milan Thamsborg, Denmark.*
  - Standards, regulations & legislation. *Prof G Rahman, Germany.*
  - Animal health and Welfare issues. *Dr G Arsenos, Greece & Dr S Athanasiadou & Prof I Kyriazakis, UK.*
  - The product quality and health implications for organic production. *Dr M Kouba, France*
  - The impact of organic agriculture on socio-economic structures. *Prof G Siardos, Greece*
  - The development of suitable farming systems. *Dr I Wright, UK, Prof L Louloudis & Prof G Zervas, Greece*
  - Marketing and consumer awareness. *Dr C Brown, UK*
  - Research in organic animal production. *Dr C Dabbert & A Haring Germany*
- The conference will be held in the north of the city with two days of papers (Thur-Fri) and an optional cultural visit to Delphi or workshop on the Saturday. Athens is an easy venue to reach from most other European cities, as well as being very friendly and attractive. EAAP is supporting this meeting. From the UK you can currently get schedule airline fares from about £190 plus taxes to Athens through consolidators like Trailfinders (020 7937 1234). BA, Olympic, Virgin & Easyjet ([www.easyjet.co.uk](http://www.easyjet.co.uk)) all fly direct. You can also fly from UK regional airports on many European carriers via their hub airports to Athens. (KLM, Sabena, Air France and Lufthansa). The new Athens airport is now open but allow plenty of time to reach it as the new metro system connecting it to the city centre is not yet complete.
- 7-8 April 2002** **What price cheap food?**  
A joint SCAWS/BSAS Workshop, University of York  
What Price Cheap Food will now be a separate satellite meeting before the BSAS Annual meeting at York on the Sunday and Monday morning. A workshop to discuss the implications of a cheap food policy. A meeting that brings together farmers, consumer representatives, supermarket managers, legislators, animal welfare groups, environmentalists and animal scientists. Speakers will tackle how food prices are determined, farm income and security, animal welfare, environmental impact and food safety.
- 8-10 April 2002** **BSAS Annual Meeting**  
University of York. Contact BSAS for further details or see page 3.
- 2-5 July 2002** **Nutrition Society meeting of Food, Plants, Animal and Man.**  
A joint session with BSAS is being organised in Leeds. Interested? Contact Mike Forbes, email: [mike.forbes@leeds.ac.uk](mailto:mike.forbes@leeds.ac.uk)  
Tuesday, 2nd a joint session on 'The nutrition of farm animals outdoors', covering pigs and poultry as well as ruminants.  
Wednesday, 3rd symposia on:
- Behavioural responses to parasitism
  - Quality of products from extensive systems
- Further details on the BSAS website.
- 12-15 November 2002** **Responding to the increasing global demand for animal products, Merida, Mexico.**  
See BSAS website for latest details.

## Other Meetings

- 22-24 October 2001**      **An international symposium on animal welfare consideration in livestock handling systems, Poland.**  
Further information can be obtained from Tadbeusz Kuczynski, Email: [t.kuczynski@wm.pz.zgora.pl](mailto:t.kuczynski@wm.pz.zgora.pl)
- 24-25 October 2001**      **Beyond Foot & Mouth - Ways forward for the Scottish Economy**  
A forum organised by Edinburgh Centre for Rural Research, to be held at the Edinburgh International ~~Conference Centre~~. For further details contact BSAS or visit [www.eicc.co.uk](http://www.eicc.co.uk).
- 25-28 November 2001**      **Australasian Pig Science Association Conference**  
Adelaide Festival Centre, King William Road, Adelaide, Australia. Contact: APSA Secretariat, Belinda Rodda, 13 Heston Court, Paralowie, SA 5108, Australia. Tel: +61-8-8250 2559  
Fax: +61-8-8524 5188 or [bindy@senet.com.au](mailto:bindy@senet.com.au) or <http://www.apsa.asn.au>
- 3-4 January 2002**      **The 36th Annual University of Nottingham Feed Conference**  
This conference will be held on January 3rd/4th 2002. To register interest, please contact:  
[phil.garnsworthy@nottingham.ac.uk](mailto:phil.garnsworthy@nottingham.ac.uk)
- 15-17 April 2002**      **Conservation Pays?**  
To be held at the University of Lancaster. Contact Jan Crichton on [bgs@patrol.i-way.co.uk](mailto:bgs@patrol.i-way.co.uk) or telephone 00 44 (0) 1189 318189, British Grassland Society, 1 Earley Gate, Reading RG6 6AT
- 13-15 June 2002**      **RRI-INRA 2002 'Beyond antimicrobials – the future of gut microbiology'**  
This is an international conference to be held in Aberdeen Scotland. The conference aims to promote the understanding of the complex microbial ecosystems, which are present in the digestive tract and their interaction with the host. More details can be obtained from the web site at <http://www.rri.sari.ac.uk/RRI-INRA2002/> or by Email to [rri-inra2002@rri.sari.ac.uk](mailto:rri-inra2002@rri.sari.ac.uk) or from Dr John Wallace Fax (+44)-1224-716687.
- 9 September 2002**      **The next conference in the highly successful Nottingham 'Pig Science'**  
'Perspectives in Pig Science' will be the fourth such event, to be organised by Dr Julian Wiseman (Nottingham), Dr Mike Varley (SCA) and Prof Bas Kemp (Wageningen). To register interest, please contact: [julian.wiseman@nottingham.ac.uk](mailto:julian.wiseman@nottingham.ac.uk)

### Training Courses

Organic training courses

15-26 October 2001

IAC Wageningen, Holland - Organic farming and system thinking.

Contact Ellen Rippen, email: [e.rippen@iac.agro.nl](mailto:e.rippen@iac.agro.nl)

## BRITISH SOCIETY OF ANIMAL SCIENCE

### Guidelines for the Preparation of Summaries for the Annual Meeting York University, 8-10 April 2002

A one-page summary allows BSAS to referee your proposed paper for scientific content, ethics, presentation and relevance. It will be published in the Proceedings of the British Society of Animal Science and must be suitable for use as a scientific reference. Submission of a summary is deemed a commitment to present the paper. Previews will not be accepted. Please ensure all authors are in agreement with being identified as being associated with the paper.

**Deadline date for the receipt of summaries is 31 October 2001**

#### COMMERCIAL PRODUCTS

Where results on commercial products are being presented, authors should ensure, before submitting their summary, that both their organisation and the commercial company involved give permission to publish.

#### CONTENT

Summaries should be complete in themselves. The title should be descriptive, specific, and concise. It should state the species concerned. It should replace information otherwise found in the main text. The name of the presenting author should appear first. The Introduction should first state the background and objectives of the work. The Material and methods should describe clearly the methods used, including numbers and types of animals. The Results obtained, together with relevant statistical analysis should be presented in sufficient detail to support the conclusions drawn. The Conclusions should clearly state the author's view of the implications of the results to scientific understanding and practical use. Vague sentences are not acceptable. Authors will be asked to rewrite substandard summaries or the summary may be rejected. Changes and corrections in titles and authors, other than those requested are to be avoided. Further information on the writing of a summary may be obtained from M. O'Connor, and F.P. Woodford, *Writing Scientific Papers in English* (Elsevier, Amsterdam, 1975). It is recommended that the material for a summary should be discussed with any co-authors and read critically by a colleague who has not been closely involved. References should be given where appropriate and acknowledgements kept to a minimum and be specific to the work being reported.

#### Statistical analyses and presentation of results

- The experimental design and statistical methods must be clear. Experiments where treatments and pens (or groups) of animals are confounded are not acceptable.
- Treatment means should be presented with appropriate standard errors of means or differences. The minimum number of decimal places required to demonstrate significant differences should be used.
- Probability values must be presented to support conclusions. Probability levels of  $P > 0.05$  are NOT significant.
- The use of percentages should be avoided wherever possible; concentrations or compositions should be expressed as mass per unit mass or mass per unit volume; decimal proportions should be used for common ratios such as digestibilities.
- The results of surveys will be accepted if the work has been conducted with the same scientific rigour as designed experiments

#### Format

The summary including any tables or figures must fit on to one page of A4, justified, 2 cm margin - right/left/bottom, and 1 cm margin at the top of page.

#### Typographical Conventions

Typographical conventions should be those used in Animal Science and full details are given in 'Instructions for Contributors', Volume 68, part 1 (1999) iii-vii; a copy of this can be obtained from the Secretary.

Please observe the following:

- Title** On the first line type the title of the paper in Times 12 bold, lower case. The title should be two lines maximum and not have a full stop (point) at the end. No abbreviations please. Do not type anything above the title.
- Authors** On the next line type the names of the authors in Times 10 lower case. Initials first then the family name without title. Use superscript numbers to distinguish authors with different addresses.
- Address** On the next line type the address of the author(s) in Times 10 italic lower case. Full address, including postcode and country for all authors. No full stop between last item of address and postcode or after country. Use the same superscripts as in authors to distinguish different addresses.
- Text** Leave one line after addresses and type the entire text of the summary with single spacing in Times 10 font. Different sections (introduction, materials and methods, etc.) should be separated by one clear line; section headings should be in bold and text should begin on the same line as the heading (see example). Summaries printed in smaller font sizes will be returned. Please use font Times New Roman, or Times. The summary may contain graphs and / or tables which complement the text. Summaries should be justified left and right, not centered on the page.
- Figures/Tables** Please do not reduce the size of text on figures and tables below font size 10.

Please ensure that the layout corresponds with the example summary.

Summaries should be submitted either as a disc version or by email. Acceptable word processing formats are Microsoft Word for Windows, WordPerfect/Works. Please note that we only accept the first version for submission to BSAS, you cannot send subsequent revised versions unless BSAS ask you to make corrections. We will acknowledge all those received by email. Subject heading should read '**Summary - Annual Meeting 2002**'. Email: [bsas@ed.sac.ac.uk](mailto:bsas@ed.sac.ac.uk) By Wednesday, 31 October 2001.