Science Group
Review of 2009
Helping animals through welfare science
PUBLISHED MARCH 2010
Editorial

One of the major strengths of the RSPCA, and one which distinguishes it from other animal welfare charities, is the amazing scope of its activities. In support of the Society’s objects to promote kindness and prevent cruelty to all animals, the RSPCA science group’s four departments are concerned with improving the welfare of companion animals, farm animals, animals used in research and wildlife. The veterinary hospitals and wildlife centres also play their part in ensuring that all the RSPCA’s policies and activities are based on sound scientific evidence. This approach gives the organisation substantial credibility with its supporters, the general public and decision-makers, thereby enabling the Society to advance animal welfare more effectively.

A significant focus of the work of the RSPCA science group during the year was involved with the development of strategic animal welfare objectives for the Society. This has proved timely, as increasing financial pressures have demanded that we focus our resources in the most effective way. The objectives were developed following an analysis of welfare issues and the ability of the RSPCA to influence them. This activity reconfirmed the central role that science plays within the RSPCA.

One way of ensuring we work to optimum efficiency is to collaborate and to work in partnership wherever possible. Examples of this will be found throughout this Review, across the work of all of the science departments. Sometimes, such partnerships may involve detailed technical work with government or industry, unnoticed by the general public. Members of the science group might also, for example, advise on issues relating to public campaigning to educate consumers in how their buying choices can help to improve the welfare of animals. In every case, however, honesty and accuracy underpin all of our actions.

Overall, this Review confirms the successes that the RSPCA has achieved through adopting this approach. Whilst we are proud of the progress that has been made, we recognise that even greater efforts will need to be made to ensure animal welfare is not ignored in a world facing ever increasing social, economic and environmental threats. The RSPCA science group will continue to work tirelessly to improve the lives of animals wherever we can.

Dr Alastair MacMillan BVSc MSc PhD MRCVS
RSPCA Chief Scientific Officer
In August 2008, a BBC One documentary – Pedigree Dogs Exposed – investigated the serious health and welfare issues experienced by many pedigreed dogs as a result of the way they are bred. The documentary sparked a huge and long-overdue public debate that has already led to positive change within the pedigree dog world.

Following the documentary, the RSPCA companion animals department commissioned an independent scientific report in order to help inform all those dedicated to protecting and improving the welfare of pedigree dogs. Published in February 2009, Pedigree dog breeding in the UK: a major welfare concern? addresses the impact of traditional selective breeding practices on dog welfare. As an independent report, its findings are the views and conclusions of its authors and contributors, who are recognised experts in the fields of genetics, epidemiology, animal welfare science and veterinary science.

The authors of the report reviewed the available science and concluded that the welfare issues associated with pedigree dog breeding are very serious and can be split into two distinct, but interrelated issues:

- exaggerated physical features that result directly in disability, behavioural problems or pain, and thereby unnecessary suffering;
- high rates of diseases with hereditary causes as a result of lack of genetic diversity.

In order to identify and implement practical, evidence-based, effective solutions to the problem, the authors of the report also proposed and prioritised 36 recommendations for action for possible ways forward. This was based on a survey of 20 experts in the fields of animal welfare, genetics, veterinary science and practising vets.

The findings of Pedigree dog breeding in the UK: a major welfare concern? have underpinned the RSPCA’s position and activities on this very serious animal welfare issue.

A collaborative approach

The RSPCA believes that all those who benefit from dogs have a collective responsibility to collaborate and coordinate efforts to protect their welfare. As such, the RSPCA companion animals department distributed copies of Pedigree dog breeding in the UK: a major welfare concern? to all of the major organisations with an interest in dog breeding. This included the governments of England and Wales, the Kennel Club, breed clubs, animal welfare charities, the veterinary profession and all universities running an animal-related course.

Following on from publication of the Bateson report, the RSPCA has called for a meeting of all key stakeholders. We believe that the findings and recommendations from the various inquiries and reports on dog breeding should be discussed at this meeting, in order to agree a way forward on this complex issue. We are also working proactively on the development of a puppy sale contract in collaboration with the British Veterinary Association Animal Welfare Foundation and other interested stakeholders. This is intended to enable the public to make informed decisions when buying a puppy.

AFGAW and Bateson inquiries into dog breeding

Following Pedigree Dogs Exposed, two further inquiries into dog breeding were announced. The Associate Parliamentary Group for Animal Welfare (AFGAW) inquiry into the breeding of pedigree dogs reported in November 2009. The Bateson inquiry into dog breeding – funded by the Dogs Trust and the Kennel Club, with Professor Patrick Bateson as its chairman – reported in January 2010.

The companion animals department contributed to both inquiries, by giving written and oral evidence.

The full report and its accompanying executive summary are available to download at www.rspca.org.uk/pedigreedogs. Further information on the authors of the report and the RSPCA’s position on this issue can also be found at the above web address.
Commissioned research

Pet Obesity Task Force

Pet obesity is now considered by some experts as an out of control pandemic. At a recent EU pet obesity conference, delegates believed that pet obesity was the single biggest health issue concerning domestic animals (pets) in the EU. In the UK, up to 40 per cent of pet cats and dogs are believed to be overweight or obese.

The head of the companion animals department and the RSPCA’s chief veterinary adviser (Mark Evans) chairs the UK Pet Obesity Task Force – established in 2008.

One of its headline aims is to produce a detailed proposal for a new, innovative UK Pet Obesity Programme to co-ordinate a portfolio of prioritised projects and activities aimed at reducing the levels of pet obesity in the UK’s dog and cat populations.

A first, essential step is a scoping study and this has now been commissioned by the Task Force, sponsored by the RSPCA.

Separation related behaviour (SRB) in dogs

SRB problems are defined as unwanted behaviours occurring only when a dog is separated from its owner and include inappropriate toileting, destructiveness and vocalisation. It is a serious welfare issue with studies suggesting that more than a quarter of pet owners’ dogs have shown some form of SRB and it is a common reason for dogs to be relinquished into rescue shelters.

The University of Bristol, funded by the companion animals department, has recently completed a two-year study investigating SRB in dogs. The study has provided a practical test for SRB and a staff guide to help match ‘at risk’ dogs with suitable owners. Advice for owners has also been written to help reduce dogs’ anxiety when left alone. Both the test and the advice will help to enhance dogs’ welfare in the long-term and contribute towards improving rehoming success rates.

Research into the welfare of racing greyhounds

Protecting and promoting the welfare of animal athletes is a major priority for the RSPCA. In 2009, the companion animals department commissioned Dr Nicola Rooney to conduct a study to identify welfare issues that affect greyhounds (destined for the race track) throughout their lives, from conception to cremation.

The scoping study is due to be completed in 2010 and the results will be used to help develop a new RSPCA greyhound programme. We are particularly keen to identify opportunities to improve the welfare of racing greyhounds through initiatives that focus on their socialisation, transport, training and rehoming.

Welfare needs

The companion animals department has begun generating new pet care information that is focussed on the welfare needs of specific companion animal species. By working with experts in behaviour, veterinary and welfare science, we are producing scientific evidence-based information. This will detail what the welfare needs of each species are and explain how these needs can be met.

The Animal Welfare Act 2006 places a legal ‘duty of care’ on all animal owners and keepers, and makes them responsible for ensuring that the welfare needs of their animals are met. The Act states that an animal’s welfare needs include:

- the need for a suitable environment
- the need for a suitable diet
- the need to exhibit normal behaviour patterns
- any need to be housed with, or apart from, other animals
- the need to be protected from pain, injury, suffering and disease.

To assist owners in interpreting the responsibility they have towards their animals under the law, our pet care information will be based around these five welfare needs. By making our pet care information easy to understand and applicable to a broad range of husbandry situations, we hope to give owners a clear understanding of what their pets need, and make them better equipped to meet those needs.

Examples of our welfare needs information can be found on the RSPCA website within the pet care section (www.rspca.org.uk/web/rspca/allaboutanimals/pets).

Details of the experts who contributed to generating this information can be found at: www.rspca.org.uk/sciencegroup/companionanimals/reportsandresources/expertcontributors. Our team of companion animal welfare scientists will add more detailed husbandry advice for pet owners to the RSPCA website over the coming months and years. This information will be reviewed regularly and updated in-line with the latest changes in science and best practice.

PET OBESITY IS THE SINGLE BIGGEST HEALTH ISSUE CONCERNING PETS IN THE EU

Welfare of dogs in Great Britain

The companion animals department has been continuing to fund a two year study – The welfare of dogs in Great Britain: identification of priority issues – at the Royal Veterinary College.

The project will use a literature review, stakeholder survey and a panel of experts to prioritise the welfare issues affecting pet dogs in Great Britain. Prioritising the welfare issues will be critical in determining the direction the RSPCA (and other welfare organisations) should take when working to improve the welfare of pet dogs in the future. The project is due for completion in November 2010.

Spatial needs of pet rabbits

Despite the popularity of rabbits as pets, their welfare needs are currently poorly understood. A particular concern for the RSPCA is whether the traditional housing of pet rabbits in hutches meets their environmental needs. Consequently, the companion animals department commissioned the University of Lincoln to undertake a study investigating the spatial needs of pet rabbits.

The study has found that pet rabbits are motivated to have access to more space than is available in a traditional rabbit hutch. Benefits of this extra space included increased opportunities for locomotion, as floor area was increased and increased opportunities to engage in rearing and vigilance behaviours, as ceiling height was raised. The study has concluded that traditional pet rabbit housing does not provide enough space for rabbits to adequately perform a number of behaviour patterns and consequently may jeopardise rabbit welfare.

The department will be using the results of this study to help inform the RSPCA’s advice on the spatial needs of pet rabbits.

TRAIDITIONAL RABBIT HOUSING MAY JEOPARDISE RABBIT WELFARE

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The scoping study is being done by Bristol University’s Animal Welfare Group and its conclusions will be released at the British Small Animal Veterinary Association conference in April 2010.

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Pedigree dog breeding in the UK: a major welfare concern?

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The RSPCA companion animals department is working with the University of Sydney and the Royal Veterinary College on a three-year research project to create a new electronic system for collecting, analysing and reporting data on inherited disorders in both dogs and cats. When complete, for the first time in the UK, there will be comprehensive data to show how common inherited disorders are in specific breeds. This will allow the effectiveness of any new breeding initiatives to be monitored.

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Influencing decision makers

Scientific staff from the RSPCA’s companion animals department promote the Society’s policies, aims and objectives through advocacy to government, statutory bodies, industry, academia and other organisations. Below are some of the examples of our work with animal welfare stakeholders.

Membership of committees and working groups:
- The Cat Group.
- Pet Obesity Task Force (chair).

Meetings and events:
- BVA AWF Dog Breeding Stakeholder Group – to discuss pedigree dog breeding issues.
- Universities Federation for Animal Welfare (UFAW) symposium.
- Companion Animal Behaviour Therapy Study Group study day, Birmingham.
- International Veterinary Behaviour Meeting 2009, Edinburgh.
- Felid Advisory Bureau annual conference.
- Felid Advisory Bureau Cat Group meeting.
- Rodent Welfare meeting.
- Working party for the Welsh Rabbit Code of Practice, at the Welsh Assembly.

Responses to consultations included the following:
- Department for Environment, Food and Rural Affairs (Defra) - Code of practice: dogs and cats.
- APHLAW – oral and written evidence given to the inquiry on pedigree dog breeding.
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Presentations given during 2009:
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Over 900 million farm animals are reared every year in the UK alone. When lobbying for national and international improvements in farm animal welfare on such a massive scale, it is scientific and practical evidence that carry the most weight. Our team of farm animal welfare specialists work in a wide variety of ways to encourage improvements, always using the latest evidence from farm animal welfare research and practical farming experience to support their arguments.

Our dedicated farm animals department staff are respected for their knowledge and expertise by a wide range of stakeholders in the food and farming industries, and work with and lobby governments (UK and EU), retailers, farming industry representatives, animal organisations, veterinarians, scientists, and other key policy makers to improve the lives of as many animals as possible. In addition to providing technical and scientific information to support all aspects of the RSPCA’s work on farm animal welfare, staff also give external presentations, media interviews, and produce consultation responses, scientific reports and a range of information resources.

Our scientific team and regional field staff also play a vital role in helping to translate the results of scientific research into commercially-viable higher-welfare systems and practices that farmers can feasibly use.

Developing higher welfare standards and measuring the outcomes

One very important way in which the RSPCA works to improve farm animal welfare is via encouraging implementation of its welfare standards for farm animals. These standards are drawn up and reviewed regularly by farm animals department specialists, taking account of all the latest information from scientific research and practical experience. Their aim is to reflect best knowledge and best practice on all aspects of species-specific animal welfare.

Clearly, in order to be successful, the standards must also be achievable in practice and, in addition to seeking advice from scientists and veterinarians, input from farming industry representatives is also taken into consideration. Technical working groups for each species meet to discuss how to progress the standards and provide advice to staff, though final decisions on amendments are made by the RSPCA.

For example, our farm animal welfare specialists were heavily involved, meeting with the minister and providing the government with advice and technical information to demonstrate the impact of high stocking densities on chicken welfare. The campaign was very successful and resulted in 11,142 letters being sent to the minister. In addition, in December, the government announced that they would not adopt the derogation to permit the highest stocking density. This was good news and shows that they listened to the scientific evidence and recognised the importance of higher welfare to UK consumers. Nevertheless, the fact that the UK law still allows chickens to be stocked at densities considerably higher than the RSPCA believe (and science indicates) is good for their welfare remains a concern.

On behalf of Eurogroup for Animals, our broiler welfare specialist also presented a statement at a meeting of the European Food Safety Authority (EFSA) on the impact of fast growth rates on broiler and breeder welfare. The Directive calls for the European Commission to submit a report on these issues to the European Parliament and Council. Therefore, the European Commission has requested the EFSA to issue two scientific opinions; the first one on the influence of genetic selection on the welfare and resistance to stress of commercial broilers and the second one on the welfare of broiler parent and grandparent stocks raised and kept for breeding purposes. As well as informing the panel on these important issues at the meeting, we also submitted data from scientific studies and RSPCA reports, which the EFSA has taken into account.

In 2009, we also met with major broiler breeding companies to discuss the development of breeds with a lower genetic growth rate that meet the requirements specified in the RSPCA welfare standards. In 2007 the EU adopted the first piece of legislation specifically covering meat chicken welfare. The Directive lays down rules for the protection of meat chickens across the EU, and the approximate 830 million meat chickens that are produced each year in the UK will be covered by these regulations from June 2010. Disappointingly, the Directive is weak and inadequate in addressing a number of serious welfare issues. For example, the Directive permits, by way of a derogation, the keeping of chickens at a stocking density of 48g/feet, which equates to 21.2kg chickens per square metre. However, for the implementation of the Directive into the UK, the government had the option to decide to strengthen the legislation by, for example, rejecting the option to allow chickens to be kept at such a high stocking density.

In order to influence this decision in favour of chicken welfare, the RSPCA therefore launched a social media campaign called ‘Quash the Squash’ (www.giveanimalsavoice.org.uk/campaigns/quash-squash). The campaign encouraged concerned public to write to the Minister for Animal Welfare to express their concern and request that the option to stock chickens at such a high stocking density be rejected. Our farm animal specialists were heavily involved, meeting with the minister and providing the government with advice and technical information to demonstrate the impact of high stocking densities on chicken welfare.

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Provisioning scientific support for evidence-based campaigns

The primary vehicle for delivery of the welfare standards is the Society’s higher welfare farm assurance scheme, Freedom Food, whose members – farms, handlers and abattoirs – must implement all the standards relevant to them. The standards act as an embodiment of the RSPCA’s farm animal welfare policy, used by the Society to advocate and facilitate welfare improvement in the industry, either directly through Freedom Food) or indirectly. Many farming and food industry standards in the UK often adopt certain elements of the RSPCA’s standards. Overseas, higher welfare schemes in other countries have been developed using the RSPCA’s standards as a template, while legislation and codes of recommendation at a European level have been and continue to be influenced by them.

Checking compliance with standards by Freedom Food scheme members is undertaken both by Freedom Food Assessors (who carry out the official annual audit of all members) and by RSPCA Farm Livestock Officers (FLOs) who undertake monitoring visits – often unannounced – on a proportion of members every year. In addition to checking that the RSPCA welfare standards are being properly applied by Freedom Food members, FLOs are also measuring various ‘welfare outcomes’ for the animals on Freedom Food-approved farms. This is achieved by diligent observation and recording of carefully selected indicators of welfare – such as the level of lameness or the occurrence of certain positive and negative behaviours seen at the time of the visit. In this way, a picture of the overall welfare state of the animals can be gleaned, both on the individual farms and, eventually, on all farms being visited. This information can be used to inform further development of the welfare standards as necessary, as well as allowing individual farmers to focus on specific areas where welfare needs to be improved. Work on progressing and increasing the impact of welfare outcome assessment is being planned for 2010.
Raising international awareness of chicken welfare issues

The RSPCA’s work on farm animal welfare increasingly stretches beyond the UK. During March, one of our team made a trip to Thailand, a country from which the UK imports a large amount of chicken meat, to find out more about chicken production there and to explore ways to influence the welfare of the many millions of poultry reared for meat every year. Significant progress was made in building contacts in the chicken industry, and it is hoped that this will enable us to make progress in this area during 2010 and beyond.

In June, our chicken specialist also presented a paper on the effects of genetic selection for fast growth on chicken welfare at an international conference organised by the Universities Federation for Animal Welfare. In the presentation, we were able to illustrate how implementation of the RSPCA welfare standards for meat chickens, which set a maximum permitted genetic growth rate for chickens (as well as requiring many other improvements in husbandry compared with standard production), has resulted in significant improvements in husbandry compared with standard growth rate for chickens (as well as requiring many other)

RESULTS OF IMPORTANT ANIMAL WELFARE RESEARCH

Turkeys

Changes to the RSPCA welfare standards for turkeys were published in December, with over 100 new or amended requirements/pieces of guidance. These aim to ensure that turkey welfare remains as good as possible on any farm applying the standards and include the following:

- All systems must provide natural daylight from 1 January 2012, to encourage foraging, exploration and social behaviours.
- More detailed perching requirements to allow birds to rest, roost and promote leg health.
- Requirements to provide specific amounts of outdoor shade and shelter in free-range systems to encourage the birds to use the outside area and offer protection from adverse weather and predators.

Farmers' role

In 2007, the RSPCA secured funding from The Tyndale Charitable Trust to commission a research project to further develop practical ways of providing farmed ducks with an open source of water. The research, which is being conducted by the University of Cambridge in conjunction with the UK duck industry, aims to develop a commercially viable system that enables ducks to perform key water-related behaviours, without risk to their health.

The second stakeholder group meeting took place in November and consisted of representatives from the UK duck industry, supermarkets, and the British Poultry Council. So far, the early indications from the field and scientific research, including an RSPCA-funded project on range enhancement being undertaken by the University of Bristol, will continue to help farmers get the most out of the range area.

Reducing the welfare impact of beak trimming

In September the Farm Animal Welfare Council (FAWC) updated its advice on beak trimming of laying hens, taking into account new research from the University of Glasgow on neuropehysiological and anatomical changes associated with infra-red beak treatment. We strongly agree with FAWC that every effort should be made to end the routine use of any form of beak trimming of laying hens as soon as possible and will be carefully considering all information for consultation with the Department for Environment, Food and Rural Affairs (Defra) in 2010.

Examining pullet welfare in depth

In September 2009, we brought together key representatives from the pullet rearing industry, for the first meeting of the RSPCA/Freedom Food pullet working group. Previously, issues relating to pullets (young hens before they start laying eggs) were discussed at meetings along with matters relating to the adult birds. However, it was felt that the pullet standards would benefit from more in-depth discussion, and it is hoped that the new working group will help us to progress key areas of pullet welfare in the future.

Laying hens

With the popularity of free-range eggs increasing, there has never been a better opportunity for even more UK producers to rear to RSPCA welfare standards. However, the RSPCA has had concerns that a shortfall in British free-range eggs, predicted by producers, could lead to more eggs being imported, which are often from hens reared to lower welfare standards.

Over a period of eighteen months, the RSPCA farm animals team looked into how best to move forward on this issue. A thorough consultation was undertaken to fully consider all implications for hen welfare, including liaising with industry, producers, research scientists, vets and retailers, as well as farm visits. Based on this work, the RSPCA decided to increase the maximum permitted outside stocking density for free-range hens in the RSPCA welfare standards from 1,000 to 2,000 hens/ha over the life of the flock, but not without extra requirements to help safeguard – and maybe ultimately even improve – welfare. Importantly, this does not affect the maximum stocking density indoors, the maximum flock size, or the maximum number of birds allowed per hectare of range at any one time.

The additional standards will help to ensure extra attention to range use and quality, as there will be less land available to rest and rotate, and include provision of natural cover, enrichment of the range and careful management of the area directly outside the paddocks. These standards, and any further findings from the field and scientific research, including an RSPCA-funded project on range enhancement being undertaken by the University of Bristol, will continue to help farmers get the most out of the range area.

In July the European Food Safety Authority’s (EFSA) Panel on Animal Health and Welfare published five scientific opinions and a report on dairy cow welfare. The panel concluded that long-term genetic selection for higher milk yield and the nature of the farming systems used (housing, equipment, management and handling practices) are major factors affecting the health and welfare of dairy cows. The panel proposed a series of recommendations and highlighted the correlation between genetic selection and the incidence of lameness, mastitis, reproductive and metabolic disorders. In late 2009, the Farm Animal Welfare Council (FAWC) also produced their latest opinion on dairy cow welfare, their first communication since their report in 1997 where a record 191 recommendations were made. They concluded that there had been no significant improvements in dairy cow welfare in the last ten years.

We have been heartened by some of the initiatives which have since been put in place by the industry to try to address some of the welfare issues. These initiatives are ongoing and we look forward to following and encouraging their progress in 2010.
Pigs

Further development of the RSPCA welfare standards

The RSPCA welfare standards for pigs were revised during 2009, taking account of scientific research to facilitate further improvements to welfare. The new version, published in January 2010, contains provisions for the gradual phase-out of all farrowing crate systems. From 2 January 2010 no producers will not be allowed to use conventional farrowing crates at any time. Until 31 December 2013, existing Freedom Food producers will be allowed to use farrowing systems that closely confine the sow for up to five days after farrowing. The section on health planning and Veterinary Health Plans (VHPs) has also been updated in order to make VHPs more dynamic and meaningful documents. Certain welfare indicators, such as pre-weaning mortality levels, body condition of sows, the incidence of tail biting on the unit and the incidence and type of lameness, amongst others, are now required to be listed within the VHP. Also, for those health and welfare issues likely to affect the herd, a prevention and treatment plan must be designed, in conjunction with the vet, and implemented.

Working for better labelling

Work continued on the issue of labelling of pig meat, a topic that has gained increasing exposure both with the general public and policy makers alike. Unlike eggs, which by law must be labelled with their production method, currently there is no legal definition to describe and label pig meat produced from pigs born and reared in different systems. Consumers are therefore not able to make informed choices about the production method that they want to support through their purchases.

In 2009, our farm animal specialists continued to work with the British Pig Executive on developing a set of definitions for ‘free range’, ‘outdoor bred’ and ‘outdoor reared’. The definitions, along with other labelling issues such as country of origin, are being taken forward by the Pig Industry Supply Chain Taskforce – involving the food and farming industries and government. The Taskforce is due to publish its recommendations in 2010.

Pig welfare – a global audience

A South Korean television company contacted the RSPCA to ask for our input into a programme they wanted to make on pig production in the UK. One of our farm animal teams accompanied them on a tour of a Freedom Food-approved pig farm, and explained on-camera the welfare benefits of applying the RSPCA standards. This gave the opportunity to spread the message about the importance of looking after pigs according to their needs to a new audience half-way across the globe.

Live transport

Preparation for activities aimed at achieving stronger laws on live transport of farm animals continued. One of our farm animal experts met with representatives of other European animal welfare groups to discuss the current situation and to start to plan a joint approach to securing improvements to the treatment of animals during transport. During the year, the European Commission made various proposals on possible changes to the law, though no decisions have yet been made. The RSPCA and other like-minded groups will continue to press for meaningful legislative improvements and enforcement of rules, the ultimate aim being an end to long distance live transport.

Climate change and animal welfare

Climate change is a huge issue affecting us all, humans and animals. Following on from an RSPCA conference on the topic in June, members of the RSPCA farm animals department met with the National Farmers’ Union to discuss the implications for farm animal production and welfare associated with climate change. By working together and exchanging information, our aim is to encourage effective planning to help prevent predicted problems for livestock through appropriate and timely changes in farming practices and systems.

Influencing decision makers

Below are just some examples of the committees on which farm animals department staff represented the RSPCA, meetings and events in which they have participated, consultations to which they have responded, and presentations given during 2009:

Work continued on the issue of labelling of pig meat, a topic that has gained increasing exposure both with the general public and policy makers alike. Unlike eggs, which by law must be labelled with their production method, currently there is no legal definition to describe and label pig meat produced from pigs born and reared in different systems. Consumers are therefore not able to make informed choices about the production method that they want to support through their purchases.

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Examples of membership of committees and working groups:

- Department for Environment, Food and Rural Affairs (Defra):
  - Gamebird working group.
  - Beak trimming core stakeholder group.
  - Stakeholder group regarding the transposition of the EU broiler directive.
- Universities/research institutes:
  - University of Newcastle and Scottish Agricultural College: project steering group on alternative farrowing environments for pigs.
- European animal welfare groups:
  - University of Bristol: project steering groups on reducing tail biting in pigs, reducing injurious pecking and fitness to travel in laying hens, and cattle lameness.
  - British Egg Industry Council intra-red beak trimming steering group.
  - European Animal Welfare Platform fish and chicken clusters.
  - US Humane Farm Animal Care: Scientific Standards Committee.
  - England Cattle and Sheep Health and Welfare Councils.
  - Council of Europe Arctic: chariot and cod working groups.

Examples of key meetings and events during 2009:

- Provided information and support for a LANTRA/RSPCA conference for educational establishments providing the new land-based diplomas in agriculture and animal care.
- Participated in Farm Animal Welfare Council (FAWC) stakeholder meeting on mutations and environmental enrichment for growing pigs.
- Participated in an international symposium on alternatives to surgical castration of pigs.
- Met with the BPEX and key pig producers to discuss production method labelling definitions.
- Visited laying hen producers in the Netherlands to gather information, and a UK laying hen abattoir to discuss welfare standards.
- Visited a turkeys hatchery and farms to look at brok trimming issues, and met with FAWC on the same issue.
- Met with Defra to discuss implementation of 2012 ban on conventional cages for laying hens.
- Met with the NFU to discuss poultry welfare standards and legislation.
- Participated in the Welfare Quality® final stakeholder conference.
- Visited laying hen producers in the Netherlands to gather information, and a UK laying hen abattoir to discuss welfare standards.
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Examples of presentations given during 2009:

- Presentations on farm animal welfare:
  - Harper Adams University College
  - Newcastle University
  - Duke of Edinburgh Award students
  - Universities Federation for Animal Welfare (UFAW) symposium: chicken welfare.
  - REASA meeting on the welfare of broilers and broiler breeders: chicken welfare.

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Research animals

Animals are used for many different purposes in research and testing and each area of use raises specific ethical, welfare and scientific issues. The RSPCA adopts a constructive, practical approach, judging every issue individually, critically questioning the necessity and justification for animal use and arguing the need to reduce the conflict between the interests of animals and science as far as possible. Our ultimate aim is the replacement of animals in research with humane alternatives. Until this can be achieved, we work to help ensure that animals used experience the minimum of suffering and have the best possible quality of life.

The RSPCA liaises with those involved in animal use in government, industry and academia to promote initiatives that:

- lead to fuller implementation of the 3Rs*;
- develop processes of effective ethical review.

Revision of European Directive

In last year’s Review, we covered the publication of proposals by the European Commission for a new Directive on the Protection of Animals used for Scientific Purposes. In January 2009, the European Parliament tasked its Agriculture Committee to review these proposals. The Committee’s subsequent report suggested many amendments – some of which the RSPCA supported and some we did not. When the proposals and amendments were voted on in May by the full European Parliament during ‘first reading’, the outcome was mixed from the animal welfare viewpoint.

Throughout the whole legislative process, the research animals department has provided scientific support to Eurogroup for Animals, analysing and commenting on multiple drafts and amendments, as they lobbied MEPs and other policy makers for tighter controls and better conditions for laboratory animals across Europe. The Society also represented Eurogroup, alongside representatives of the bioscience community and pharmaceutical industry, at a forum organised by the Agriculture Committee.

The RSPCA believes that the new laws should cover all research which may cause animals to suffer, that each country should have a clearly defined and effective system of authorisation, control and inspection of animal use; and that an ethical evaluation which critically assesses the likely harms to the animals involved (taking into account the whole lifetime experience) against the proposed benefits of the experiments, must be part of the authorisation process.

Many aspects of the original proposals, and some of the amendments suggested by the Parliament, caused the RSPCA great concern. Our serious deficiency, which has major implications for how the Directive would be implemented in practice, was the failure to define categories of severity for procedures on animals. In an attempt to resolve this, the Commission convened an expert working group (which included a member of RSPCA staff) to propose suitable criteria for severity classification.

The Commission’s draft proposals were also scrutinised by the Council of Ministers and the position adopted by the UK government became a major focus for our activities. During the year, we attended meetings with Home Office officials to help inform the UK position. In May, the Home Office opened a public consultation to which we sent a detailed response. In addition, the House of Lords, European Union Committee Sub-Committee D (Environment and Agriculture) held an inquiry into the Revision of the Directive. We submitted both oral and written evidence to the Committee whose final report (published on 10th November 2009) was largely supportive of our views.

We continued to follow developments closely and, through Eurogroup, tried to seek a positive outcome for animals as the European Parliament, Council and Commission negotiated their final agreed position. Consensus on the main principles was reached between these three bodies on December 7th. Overall, the new laws are expected to come into force during 2013.

Working internationally

The use of animals in research and testing needs to be tackled in a global context. Industries that use animals, whether pharmaceutical, chemical or agricultural are multi-national, and the regulatory testing requirements they work to are international. Scientists in academia also commonly collaborate on an international basis. However, the legislative controls on animal experiments in different countries, and particularly the priority given to animal welfare and ethical review, vary significantly and are a serious concern. Provision of advice on ethics, animal welfare, the 3Rs and legislation is therefore an increasingly important role for the research animals department, working closely with the RSPCA’s international department.

Key activities and events during 2009

Croatia recently introduced its first law specifically relating to laboratory animals. The government is now seeking to improve the way this is implemented in practice. As a result, the Croatian government ministry responsible for animal welfare asked the RSPCA to deliver a workshop for government inspectors, and scientists and vets using and working for laboratory animals in universities and pharmaceutical companies. Held in Zagreb in June, the workshop covered topics including legislation, the 3Rs, housing and care, the role of ethics committees, and openness and transparency.

The RSPCA was a sponsor of the 7th World Congress on Alternatives and Animal Use in the Life Sciences that took place in Rome in September. This important event brought together people from more than 40 countries to discuss progress in the development and implementation of the 3Rs. Around 350 delegates attended, representing governments, regulatory bodies, pharmaceutical and chemical companies, academia and animal protection organisations.

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In November, the RSPCA organised and delivered training workshops in Taiwan and China for representatives from research establishments using animals. Each workshop was held over two days, and was designed to provide practical examples of the 3Rs and build on previous work to help develop effective systems of ethical review. They were part of the ongoing programme of work in Asia, initiated by the RSPCA’s international department. The workshops were well attended and enthusiastically received by the participants.

Footnotes and references

1. www.inspec.org/3746924801
2. www.responses.org/eu/cparks/6563

* The 3Rs are: replacing animals with humane alternatives, reducing animal use, and refining husbandry and procedures to reduce suffering and improve welfare throughout the animals’ lives.
Improving the care of animals
Promoting more effective, objective assessment of animal welfare and suffering was a major area of work for the research animals department throughout 2009.

Developing guidance
The BVA AWF/FRAME/RSPCA/UFAW Joint Working Group on Refinement (JWGR) is currently developing guidance on defining and implementing protocols for assessing welfare and suffering which will be submitted for publication in 2010. The primary aim is to ensure that animal suffering is detected as rapidly as possible so that something can be done to alleviate it, for example by providing analgesia or reviewing husbandry and care.

A member of the research animals department was sponsored by the Canadian Association for Laboratory Animal Science (CALAS) to give a presentation on the JWGR project at its annual meeting in Montreal in April. The delegates were very supportive and the talk stimulated some extremely useful discussion about practical issues associated with observing and monitoring animals.

Rodent welfare
The 2009 RSPCA/UFAW Rodent Welfare Group meeting also focused on welfare assessment. Topics included standardising language for describing observations of mice; communicating outcomes of welfare assessments; defining indicators of positive welfare; considering how housing, care and accommodation affect welfare; and the current welfare status of stock mice in the UK.

Fish and the 3Rs
Increasing numbers of fish are used in research and testing worldwide. This is mainly due to the increase in aquaculture; greater emphasis on aquatic ecotoxicology and more extensive use of fish in genetics research. However, less progress has been made with implementing the 3Rs for fish than for other species.

Two members of the RSPCA Science Group were invited to participate in an international consensus meeting, held in September, with the aim of furthering harmonisation and good practice in fish care and use. The meeting was convened by Norecopa3, who have published a consensus document4 agreed by all participants, which identifies initiatives that would enable advances to be made in replacing, reducing and refining fish use.

Footnotes and references
1 British Veterinary Association Animal Welfare Foundation / Fund for the Replacement of Animals in Medical Experiments / RSPCA /中心城区, federation for Animal Welfare. This group provides an annual forum for animal welfare professionals to discuss the 3Rs research and testing using rodents. For more information, see: www.resourcinganimalresearch.org / researchanimals/implementing3rsreplacingfishing / www.norecopa.com
2 Available at: www.norecopa.org/teilnehmer/arbeitstag/arbtag369

Editorial policies of scientific journals
Over 120,000 articles relating to research using animals are published overall each year across more than 2,000 journals. A significant proportion of laboratory animals are involved, from rodents to primates, as well as a range of wild, farm and companion animals.

Journals are instrumental to the communication of scientific knowledge around the world. By requiring that the research they publish is humane, adheres to current good practice and implements the 3Rs, scientific journals also have a significant opportunity to influence how research involving animals is conducted. In addition, they can play a key role in stimulating informed discussion of the ethical issues surrounding the use of animals and encourage greater transparency.

In January, the RSPCA research animals department undertook its third annual survey of the editorial policies of journals that publish research involving animals1. The headline figures are published each year2 in the Society’s report, The welfare state – ensuring animal welfare.

Footnotes and references
1 Science group review of 2009
2 Recently years have seen significant increases worldwide in the creation and use of genetically altered (GA) animals. A major contributing factor is the large scale production of thousands of new strains of GA mice – the production and maintenance of these strains involves substantial numbers of animals.

Footnotes and references
3 In 2009, the research animals department undertook a number of initiatives promoting reduction and refinement in the breeding and use of GA animals.

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In print
A booklet1 promoting the sharing and archiving of GA mice was published in January. It was produced in conjunction with the BBSRC, CRUK, MRC and NCSRs2 and was widely distributed, receiving endorsement from many quarters including the Home Office minister Meg Hillier MP. Implementing the recommendations would considerably reduce the number of GA animals maintained in the laboratory.

In practice
In February, a training event, Toxicogenics and the 3Rs - what’s it all about? was held for scientists and technicians, the aim being to highlight 3Rs opportunities in this area of research. The meeting included a range of presentations relating to good practice in the production, breeding and care of GA mice and posters along the same theme are now available3. As the meeting was over-subscribed it is being run again in April 2010.

Footnotes and references
1 The new, and completely revised edition of the RSPCA’s Resource book for lay members of local ethical review processes was launched during 2009 and is already proving very popular with ERPs in the UK and abroad. Copies were distributed at training workshops in Taiwan, along with accompanying resources on animal husbandry and care. The latter are now available in Portuguese (Brazilian) and translation into other languages is also being considered.

Footnotes and references
2 Available at: www.rspca.org/uk/sciencegroup/researchanimals/implementing3rs/sharingandarchivinggamice
3 Available at: www.rspca.org/uk/sciencegroup/researchanimals/implementing3rs/journalpublicationpolicies/
Cosmetics testing using animals - the end?

In March, legislation came into force across the European Union (EU) banning the use of animals to test cosmetics ingredients, and the sale of cosmetics containing ingredients tested on animals anywhere in the world. Although these bans will not be complete until 2013, as there is an extended deadline for some animal tests, the RSPCA welcomed their introduction.

Animal cloning

During 2009, the research animals department continued to call for a ban on the cloning of animals for commercial purposes and raise awareness of the significant animal welfare issues associated with this application of biotechnology.

Genomics and breeding

In January, the Society’s biotechnology specialist participated in an EADGENE workshop on Animal Genomics and Breeding. The workshop explored ethical and societal issues and a broad range of ideas and opinions, relating to animal genomics and the future for farm animal breeding.

Animals cloned for food

In April, the research animals department attended a stakeholder meeting at the UK Food Standards Agency (FSA), where the government’s position on the revision of the European Novel Foods Regulation was discussed. The Society reinforced its view (outlined in our response to the FSA’s consultation on the revised regulation in 2008) that should the European Commission allow food products from cloned animals and their offspring to enter the market, these products must be subject to a strictly applied authorisation process which addresses the ethical and animal welfare implications and imposes an obligation for appropriate labelling. In September, the RSPCA (on behalf of Eurogroup for Animals) attended an ‘exchange of views’ meeting with the European Commission to highlight the impact that cloning animals for food would have on the health and welfare of livestock animals.

Cloned pets

The RSPCA welcomed the announcement that one of only two companies in the world offering to clone people’s pets was to withdraw this service. Five years ago, when the company launched this service in the United States, the Society had voiced its serious animal welfare and ethical concerns and correctly predicted that it would find little public support.

Influencing decision makers

Scientific staff from the RSPCA’s research animals department promote the Society’s policies, aims and objectives through advocacy to government, statutory bodies, industry, academia and other organisations. They are members of many national and international committees and working groups, and also have key input into a range of consultations, both to government and non-governmental bodies, on a wide range of laboratory animal issues. Staff have also produced papers on a variety of topics that have been published in peer reviewed scientific journals.

Footnotes and references

1. European Animal Coalition/Genetic Network of Excellence for Animal Health and Food Safety (funded by the European Commission) – www.gnomefo.eu
Wildlife licensing

Wildlife licences are issued by government bodies to allow people to undertake activities that would otherwise be unlawful. Such licences may be general or individual. General licences are issued to allow certain actions without the need for people to apply for a specific licence. They are used to regulate activities such as the sale or killing of certain species but with minimum bureaucracy. However, those acting under a general licence must be satisfied they are acting within the provisions of that licence and the law.

The species covered by such licences, the actions permitted and the conditions attached are important from an animal welfare perspective and the RSPCA wildlife department therefore made detailed submissions to separate consultations undertaken during the year by Natural England and the Welsh Assembly.

The outcome of the Welsh consultation will not be available until summer 2010 but in England the changes have now come into effect. We questioned the evidence regarding the addition of Gauma gaza and Monk and Ring-necked parakeets to the general licences issued for the purpose of conserving wild birds but Natural England did not change their position. However, they did agree to include guidance regarding a definition of humane killing and to add a note reminding users of their obligations under the Animal Welfare Act.

The killing of Herring gulls will now only be allowed under the air safety general licence. We provided evidence that nest or egg control can be effective and humane in dealing with problems the gulls may cause in urban areas and they agreed to continue to allow the destruction of nests and eggs where necessary for public health and safety.

Changes to the licensing of dangerous wild animals

Protection currently afforded to ‘dangerous wild animals’ has been threatened by proposals to amend the Dangerous Wild Animals Act 1976 (the Act). Those who wish to keep animals of a species listed on the Schedule to the Act – which covers tigers to camels and vipers to scorpions – must apply for a licence from their local authority, who should then check that conditions are safe for the public and appropriate for the species concerned before issuing a licence. Although the Act and its enforcement have many weaknesses, it does at least provide an opportunity to check conditions before animals are acquired.

Last year, the Department for Food, Environment and Rural Affairs (Defra) proposed various changes to the Act which would greatly reduce protection for animals. Most concerning was a suggestion to remove all reference to animal welfare, leaving the Act solely about public safety. Other proposals would greatly increase the time between inspections – licences would run for two years rather than one and, more worryingly, inspections for licence renewal would not be mandatory. This could leave several years between inspections, during which conditions and animal welfare could deteriorate considerably.

The RSPCA wildlife department highlighted the danger posed to animal welfare by these changes. Thankfully, Defra have decided not to remove animal welfare from the Act or waive requirements to inspect at the time of renewal. The proposal to inspect every two years has, however, been retained. These changes are expected to come into force in 2010. While not as bad as it could be, this still represents a backward step for animal welfare.

The effect of satellite tagging devices on seabirds

The RSPCA has long been concerned about the welfare of animals used in research, as demonstrated by the article on editorial policies in scientific journals (page 19). Wild animals are no exception and have been equipped with a wide variety of devices to collect data on their movements, foraging behaviour, dive depth and duration etc. However, few studies critically investigate the effects that these devices have on their subject animals.

As part of our work on the survival of rehabilitated oiled seabirds, we commissioned Rory Wilson and Sybil Vandenbeele, of Swansea University, to investigate different attachment methods for satellite tags. As part of her study, Sylvie reviewed 357 papers where animal-attached devices were used on seabirds, to determine the extent to which the authors had considered the effects of such devices. These papers were split into two groups: those termed ‘direct’ – where the aim of the paper was to assess the impacts of such devices (42) and ‘indirect’ – where effects were recorded incidentally. A majority of the direct papers (38/42) recorded an effect on the subject animal, compared with only 11 of 315 indirect papers. This indicates that although devices may cause problems, researchers do not invest enough time and resources to investigate these effects. Device
A role for wildlife casualties in conservation

Wildlife rehabilitation is not usually considered important in terms of wildlife conservation. Rehabilitation works to improve the welfare of the individual, while conservation works to improve the survival of populations. However there are times when rehabilitation can benefit the cause of conservation.

One example is the role that casualty animals can play in disease surveillance, especially if the animal has died. Post mortem can reveal much about an individual animal, but they can also identify potential threats to the wider population. The hedgehog is considered a common species in the UK, but recent reports suggest a decline in the population across the country.

RSPCA wildlife centres submitted hedgehog carcasses to Bristol University as part of a project investigating this decline. The hedgehogs were subject to a post mortem and their livers analysed for first and second generation rodenticides. These results show that hedgehogs are exposed to these rodenticides, with 57.5% per cent being exposed to second-generation rodenticides. Overall, the study indicates that these rodenticides present as much of a risk to an insectivore like the hedgehog as they do to a predator of rodents, like the polecat.

This therefore creates a challenge for the management of rodent infestations. We continue to recommend reducing food sources and places of shelter as the first methods to control rodents. The use of rodenticides should only be practised as a last resort.

References

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RSPCA wildlife centres review

The centres continue to strive for a better understanding of the casualties in their care. Numerous research projects have been undertaken this year to investigate post-release survival in several species. Techniques such as radio tracking are used, as well as simpler methods such as marking, e.g. ringing birds and relying on re-sightings for information on how long these animals survive and how far they have travelled.

Some of this work is carried out in conjunction with the wildlife department and has been promoted widely at various conferences and symposia. In addition, the wildlife department and centres continue to develop species rehabilitation protocols, based on best practice and sound science.

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Update on roe deer tracking

Between 2005 and 2009, East Winch and West Hatch wildlife centres jointly released and tracked 12 hand-reared roe deer fawns (Capreolus capreolus). The five females and seven males were fitted with ear-mounted tags and hard released whilst approximately six months old.

Staff tracked the deer daily and recorded deer positions via either a visual sighting or compass bearings and triangulation. All tracking was done during the hours of daylight, though it did vary between the morning and afternoon. Two of the deer are still being tracked. Preliminary data for the remaining animals shows that three of the deer survived until the battery on the tag died and four were confirmed dead by a mixture of dog attack, shooting, unknown causes and ruthlessness (all bodies found).

A further two deer have inconclusive outcomes as their tags were recovered, having been torn out. It is unknown if this was an accident or an intentional act, after the animal was shot. Both animals survived for over 70 days, and no body was recovered for either. One deer shed its tag after 30 days but was seen alive at a later date.

A preliminary view of the data indicates that all of the female deer remained close to the release site at both centres. In contrast, all of the males made noticeable movement away from the release site. It can, however, only be said that this held true at the precise time of radio tracking and it is entirely possible that at other periods such as during darkness, the behaviour would yield different data.

RSPCA STAPELEY GRANGE WILDLIFE CENTRE

Post-release survival of hand-reared pipistrelle bats (Pipistrellus spp.)

In the RSPCA Science group review (2006), we reported on our pipistrelle bat radio-tracking project, which demonstrated that hand-reared bats were able to survive independently in the wild, at least in the short-term (Kelly et al. 2008).

Since then, we have radio-tracked a further 13 bats.

In an attempt to measure long term survival, 39 released bats were fitted with individual, numbered 2.8mm aluminium ‘C’ rings (see photo). Roost boxes on site were checked regularly (under licence) for the presence of ringed bats following release. Of the ten bats radio-tracked in 2007, three were retrieved within four nights after becoming trapped in roost spaces and the transmitters removed. These bats were subsequently over-wintered and released in 2008.

The remaining seven bats were tracked for between four and ten days before the signal was lost. Six ringed bats were recorded in roost boxes with the minimum post-release survival ranging from 27 – 236 days (Table 1).

Table 1: Post-release survival of six ringed bats released at RSPCA Stapeley Grange in 2007.

<table>
<thead>
<tr>
<th>Ring No.</th>
<th>Species</th>
<th>Sex</th>
<th>Release Weight</th>
<th>No. of Days</th>
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</thead>
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<td>Male</td>
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<td>53</td>
</tr>
<tr>
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<td>4.8</td>
<td>236</td>
</tr>
<tr>
<td>Z3278</td>
<td>soprano</td>
<td>Female</td>
<td>5.2</td>
<td>235</td>
</tr>
</tbody>
</table>

RSPCA EAST WINCH WILDLIFE CENTRE

Post-release survival of hand-reared pipistrelle bats (Pipistrellus spp.)

In the RSPCA Science group review (2006), we reported on our pipistrelle bat radio-tracking project, which demonstrated that hand-reared bats were able to survive independently in the wild, at least in the short-term (Kelly et al. 2008).

Since then, we have radio-tracked a further 13 bats.

In an attempt to measure long term survival, 39 released bats were fitted with individual, numbered 2.8mm aluminium ‘C’ rings (see photo). Roost boxes on site were checked regularly (under licence) for the presence of ringed bats following release. Of the ten bats radio-tracked in 2007, three were retrieved within four nights after becoming trapped in roost spaces and the transmitters removed. These bats were subsequently over-wintered and released in 2008.

The remaining seven bats were tracked for between four and ten days before the signal was lost. Six ringed bats were recorded in roost boxes with the minimum post-release survival ranging from 27 – 236 days (Table 1).

Table 1: Post-release survival of six ringed bats released at RSPCA Stapeley Grange in 2007.

<table>
<thead>
<tr>
<th>Ring No.</th>
<th>Species</th>
<th>Sex</th>
<th>Release Weight</th>
<th>No. of Days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z3281</td>
<td>Common</td>
<td>Male</td>
<td>4.2</td>
<td>53</td>
</tr>
<tr>
<td>Z3254</td>
<td>Common</td>
<td>Male</td>
<td>4.2</td>
<td>53</td>
</tr>
<tr>
<td>Z3241</td>
<td>Common</td>
<td>Male</td>
<td>4.5</td>
<td>27</td>
</tr>
<tr>
<td>Z3279</td>
<td>soprano</td>
<td>Female</td>
<td>4.5</td>
<td>38</td>
</tr>
<tr>
<td>Z3280</td>
<td>soprano</td>
<td>Female</td>
<td>4.8</td>
<td>236</td>
</tr>
<tr>
<td>Z3278</td>
<td>soprano</td>
<td>Female</td>
<td>5.2</td>
<td>235</td>
</tr>
</tbody>
</table>

RSPCA WEST HATCH WILDLIFE CENTRE

Peregrine falcon rehabilitation at West Hatch

Between January 2005 and November 2009, 42 peregrine falcons were admitted to RSPCA West Hatch Wildlife Centre.

The rehabilitation of peregrine falcons gives rise to difficult challenges, including factors such as their high wing-loading – each cm² of wing carrying 0.70g which is double that of a Common Buzzard (Fox, 1995). This combined with a specialised hunting technique explains post-fledging dependency periods in the wild of up to two months (White et al., 1994).

Some of our casualties are recently fledged juveniles that have made flight errors due to inexperience. Since 2007, we have had the help of peregrine falcon site researchers, and returned six juveniles to their nest sites.

The use of plastic coloured rings has enabled assessment of their post-release survival. Our goal of the tracking work is to establish that released peregrines are capable of catching prey. Since 2008 we have tracked three released juvenile peregrines trained with falconry techniques and all were recorded successfully catching prey. Longer-term survival requires satellite tracking to assess.

References
RSPCA MALLYDAMS WOOD WILDLIFE CENTRE

Air gun shooting injuries in gulls

Annually, over 550 large gulls are admitted to the RSPCA Mallydams Wood Wildlife Centre in East Sussex. These include organised attacks on gulls to harvest eggs, and also are a result of accidents in which adults have fallen from urban nesting sites. However, an increasing number of adult birds from the Southeast region have been shot using air rifles or shotguns. In 2000/01, only 16 birds were found with visible air gun pellets and associated injuries, but by 2008/09, this number had increased to 48. The main victims are adult birds, with peak admissions between April and August, when birds are defending or maintaining nest sites, providing easy targets for assailants. The frequency of birds admitted with no visible injuries, but unable to fly, necessitates all gulls to be routinely X-rayed. Many birds have typical fractures of the limb – for example fractured ulnas – but some have visible pellets embedded in the head and chest issue. Multiple pellets were found in 10 per cent of the birds examined, indicating the animal was maimed then shot while on the ground. In one incident, five pellets were found in a single bird (Figure 1).

These figures from the Southeast region indicate a possible trend throughout the country. Gulls are afforded a level of protection under the Wildlife and Countryside Act 1981 legislation, but causing visible air gun pellets and associated injuries, to the RSPCA Mallydams Wood Wildlife Centre in East Sussex, has been shot using air rifles or shotguns.

Influencing decision makers

Scientific staff from the RSPCA’s wildlife department promote the Society’s agreed policies, aims and objectives through advocacy to government, statutory bodies and other organisations at the highest level. They are members of many national and international committees and working groups and also have key input into a range of consultations, both to government and non-governmental bodies, on a wide range of wildlife issues.

Representation on external committees

- The Deer Initiative.
- Ashdown Area Deer Group.
- Department for Environment, Food and Rural Affairs (Defra) Animal Welfare Act secondary legislation working groups:
  - Primate as pets.
  - Wild animals in circuses.
  - Lyssavirus in bats.
- British Wildlife Rehabilitation Council (BWRC) steering committee.
- Species Survival Network (SSN) board.
- World Conservation Union’s otter specialist group.
- Wildlife and Countryside Link (trustee).
- Wildlife and Countryside Link Wildlife Trade working group (chair).
- Whalewatch coalition.
- Marine Animal Rescue Coalition (MARC).
- Animal Welfare Network (Wales).
- Zoos Forum.

Consultation responses

- Defra
  - Proposals for fairer and better environmental enforcement.
  - Proposals for a new independent body for animal health.
  - Amendments to legislation allowing lay vaccination of badgers against bovine tuberculosis.

Natural England

- General licences under the Wildlife and Countryside Act.
- Tuberculin Eradication Order.
- General licences under the Wildlife and Countryside Act.

Committee of Advertising Practice


Broadcast Committees of Advertising Practice


Meetings and events

- Meeting with Eurogroup on European standards of care for non-domestic companion animals.
- Launch of Highways Agency’s Deer Aware driver information programme.
- Joint conference with Lantau, RSPCA Education and other RSPCA science group departments for prospective teachers of the new Land-based and Environmental Diploma – animal welfare considerations.
- Stakeholder meeting of the England bovine TB eradication group.
- The Mammal Society Autumn Symposium on human-wildlife conflict resolution.
- Wildlife and Countryside Link whale group meeting to discuss future scope of work.
- Wildlife and Countryside Trade working group meeting with the National Wildlife Crime Unit.
- Presentation to students at Hadlow College, Kent on RSPCA rehabilitation.
- Presentation to the elephant sub-panel of the Zoos Forum on the welfare of zoo elephants.
- Expert witness in USA court case involving elephants in circuses.
- International Wildlife Rehabilitation Council (IWRC) conference, Virginia Beach. RSPCA co-sponsored event with workshop on the importance of post-release monitoring in assessing survival of rehabilitated wildlife.
- Presentation on survival and breeding rates of elephants at British and Irish Association of Zoos and Aquariums annual general meeting and conference.
- Otter biodiversity steering group meeting.
- Bat Conservation Trust conference. Presentation on the development of a bat flight at RSPCA Napley Grange Wildlife Centre and radio tracking of rehabilitated juvenile pipistrelle bats after release (see page 25).
- British Wildlife Rehabilitation Conference. Presentation on the importance of research in wildlife rehabilitation.

Scientific publications


Couper, D. and Gibbons, L. (in press) First record of Tetrameres Species Parasites in Tawny Owls (Strix aluco) in the UK. The Veterinary Record.