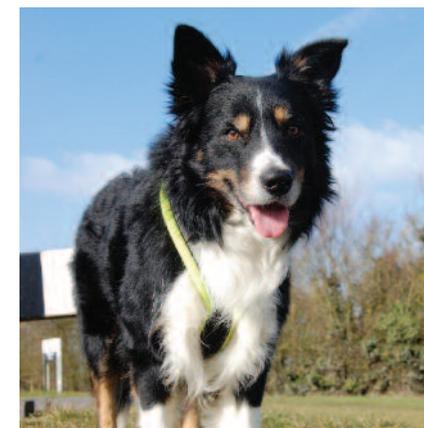
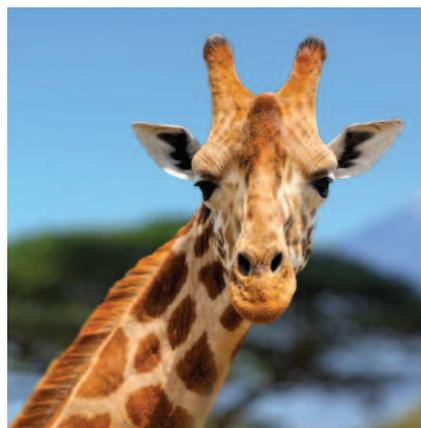




Universities Federation for Animal Welfare

Annual Report 2015-2016



Science in the Service of Animal Welfare

UFAW – the International Animal Welfare Science Society

The Universities Federation for Animal Welfare, founded in 1926, is an independent charity promoting animal welfare science worldwide, together with high standards of welfare for farm, companion, laboratory and captive wild animals, and for those animals with which we interact in the wild.

This report highlights the work undertaken by the charity during the last year which has been possible due to the continued commitment of its members and donors who have supported the charity through subscriptions, donations and legacies. This support is the very heart and life-blood of the charity and enables us to continue to strive for improvements in animal welfare – for which we thank you.

UFAW's vision is simple – to improve animals' lives through research, education, information and advice. It does this by:

- 1 Promoting, funding and supporting animal welfare science and technology that underpins advances in animal welfare
- 2 Promoting and supporting education in animal care and welfare
- 3 Providing information, organising meetings and publishing books, articles, technical reports, information on its website and the journal *Animal Welfare*
- 4 Providing expert advice to government departments and other bodies, and helping to draft and amend laws and guidelines



Photo: Shutterstock/Colin Edwards Wildside

Our vital mission – to improve animals' lives through research, education, information and advice, remains the driving force behind everything we do. In further pursuit of this mission, the past twelve months has seen UFAW build on the successes of the previous year, making awards totalling £72,684 this financial year to support a wide variety of projects affecting a large number of animals from a very diverse range of species; from elephants and water voles, to chickens and mice.

In addition, we've organised or attended a considerable number of meetings throughout the year which bring together a broad and growing international community of veterinarians, scientists, and others concerned with animal welfare to share knowledge and practice, discuss advances and exchange views. These meetings are crucial in helping UFAW to share the most up-to-date knowledge and findings in order to benefit animal welfare. We've also modernised the charity's website and included an updated section on genetic conditions in companion animals – a comprehensive information resource for all concerned about pet welfare.

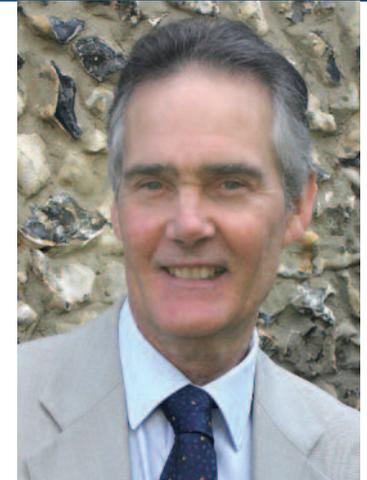
The charity has faced a number of challenges over the past year, most notably a drop in legacy income. Although the charity has a robust reserves policy which recognises that income does not arise evenly, legacies and donations remain the bedrock on which future improvements to animals' lives will be built and we are extremely grateful to the outstanding support of our members and donors in this regard.

Indeed, all of our achievements this year have only been possible thanks to our supporters and donors, whose generosity is not only humbling but also deeply appreciated. Everyone who has chosen to donate to UFAW this year, or who has supported our work in some way, is making a real difference. On behalf of all of the Trustees and staff, thank you.

Richard M Bennett



Chairman of Council



“...these meetings are crucial in helping UFAW to share the most up-to-date knowledge and findings in order to benefit animal welfare”



“This research, if fruitful, has the potential to affect very large numbers of farmed poultry, and might be extended to other farmed species and animals other than farm animals.”

The founder of UFAW, Major Charles Hume wrote that when assessing the importance of an animal welfare issue it was important to take into account the severity of suffering, its duration, the numbers of animals affected and the feasibility of practical reform.

Billions of animals are farmed for food or animal products around the world, so if production systems are widely-used and do not meet the animals' needs there is a very great potential for suffering, but there is also potential for reform. To judge systems and to make improvements, objective measures of animal welfare are necessary. Finding new and better ways of assessing welfare has long been a UFAW priority, and so we were pleased to recognise the achievements of this year's winners of the UFAW medal – Professor Donald Broom and Professor Christopher Wathes who have both made substantial contributions to animal welfare assessment, particularly of farm animals.

Few would argue with the general principle that animals, including farm livestock, should, as far as possible, be kept in states of good welfare throughout their lives. Not only is this the right thing to do,

but animals kept with good welfare are less prone to diseases, with consequent reduced risk of meat contamination, reduced use of antibiotics and reduced likelihood of developing bacterial antibiotic resistance.

Unfortunately, finding measures that reflect the animals' experiences over a prolonged period is still challenging. To help address this, a major UFAW funded project was started this year, which over the next three years aims to discover easily measurable markers of chronic stress and negative affective state reflecting the animals' long-term experiences. This research, if fruitful, has the potential to affect very large numbers of farmed poultry, and might be extended to other farmed species such as fish, and animals other than farm animals. We are very grateful to all UFAW's supporters who have made this research and the other activities described in this report possible.

Robert C Hubrecht

A handwritten signature in black ink, reading "Robert C Hubrecht".

Chief Executive & Scientific Director



PROMOTING AND SUPPORTING ANIMAL WELFARE SCIENCE

UFAW promotes and supports high quality science that will lead to substantial advances in animal welfare, and to promote education in animal welfare – particularly at the university and college level.

PROVIDING FUNDING

Through its Research Training Scholarships and other grants, UFAW funds important work worldwide aimed at finding ways to gain insight into what matters to animals, assessing their welfare and improving the quality of their lives through practical developments in all aspects of their care. UFAW made awards totalling over £72,000 to support a wide range of project types during the year. These projects included:

Wildlife: Welfare impacts of wild bird tagging

In wildlife research it is very common to tag animals to allow their location to be tracked. It is known that large or unwieldy tags can, unsurprisingly, affect an animal's welfare. Effects range from the drastic, such as making the animals vulnerable to predation or starvation, to subtle such as reductions in the likelihood of successful mating. UFAW has granted funding to Professor Rory Wilson at Swansea University to develop a system which will allow researchers to predict more accurately whether a particular size and weight of tag will have an adverse effect on the species they wish to study.

This system will allow informed decisions to be made about whether animals should be tagged, which type of tags to use and where they should be attached. Professor Wilson and colleagues are working to develop a freeware software program for use by all those with an interest in tagging which will allow them to much more accurately estimate the effect of tagging on birds.



Photo: Jade Spence

Wildlife: Investigation into the efficacy of displacement on water vole movements

Water voles are one of the UK's most iconic and threatened species. Where they do exist however, their presence can conflict with the management of waterways for flood control or development. It is often necessary to disrupt the voles' habitat and when this occurs attempts are often made to move the voles to a new habitat further along the waterway.

In a bid to monitor this conflict, Natural England has recently released a licence to allow water voles to be displaced over short distances (no more than 50 metres) via vegetation removal, the aim being that by making an area unsuitable, the voles would relocate to adjacent, more suitable habitat. As yet however, no robust data exists to demonstrate whether or not this technique actually works. UFAW supported work by Professor David Macdonald, Dr Merryl Gelling and colleagues from Oxford University's Wildlife Conservation Research Unit to investigate the effectiveness of water vole displacement as well as the impact on the welfare of displaced voles.

Early results indicate that where water vole numbers are good, the local population is able to withstand the removal of vegetation. However, where the populations are small or fragmented there is a possibility that natural levels of predation, combined with the possible added pressure of displacement, might deplete numbers too far. The researchers are currently recapturing water voles to remove radio collars at the end of the first season of research, and hope to extend the study to further investigate the impact of displacement in autumn in a bid to tease out these factors further.

Livestock/Farmed Animals: Lifetime welfare in chickens

Billions of animals are raised for food every year, and their welfare is therefore one of UFAW's primary concerns. Chickens are one of the most commonly kept livestock species (an estimated 50 billion are raised for meat or egg production annually) and face many challenges to their welfare. In June of this year UFAW awarded its prestigious Research Training Scholarship (RTS) to Newcastle University to support a four year project which aims to better understand how to assess the welfare of chickens over their entire lifetimes. The



Photo: John Harding

project will be carried out by PhD student Elena Armstrong under the supervision of Dr Tom Smulders.

The researchers will be investigating whether it is possible to better understand the lifetime experience of farmed chickens by measuring various changes in the birds' brains. These changes, when measured at the end of the birds' lifetime, are likely to reflect their lifetime experience allowing the researchers to study which housing systems might be the least stressful (and therefore most welfare-friendly).

Livestock/Farmed Animals: Effects of stocking density on chickens

On a smaller scale, UFAW funded Laura Warin, an Animal Sciences student from France, to undertake a project to study the effect of outdoor stocking densities on the use of outdoor space by free-range hens at the Commonwealth Scientific and Industrial Research Organisation at Armidale, New South Wales, Australia. Preliminary results suggest that free-range birds make more use of outside areas when stocking densities are lower.

Livestock/Farmed Animals: Pigs

UFAW funded a research project from Dr Jonathan Guy and colleagues, at Newcastle University, which aimed to validate the use of biological markers as early indicators of lameness in pigs. Lameness is a significant welfare problem in farmed pigs, occurring in up to 20% of pigs in a herd, and can cause significant suffering due to pain and immobility. Initial results suggest some potentially viable biomarkers which Dr Guy and colleagues are continuing to investigate.

TRAVEL AWARDS

Livestock/Farmed Animals: Pigs

One effective way UFAW supports animal welfare science is to foster collaboration between researchers with similar interests by supporting visits to labs. The charity supported Dr



Photo: Shutterstock/monticello

Pierpaolo di Giminiani from Newcastle University to travel to Ohio State University in the USA to meet with pig welfare researchers and explore the possibility of collaborations between the two groups. Pierpaolo was also able to see the different production systems commonly used in the US and to introduce his US colleagues to European production systems.

Captive wild animals: Attention bias in primates presentation

UFAW funded Dr Caralyn Kemp from Liverpool John Moores University to present her latest findings on the use of attention bias to assess psychological well-being in group-housed non-human primates.

UFAW also supports animal welfare by providing funds for researchers to travel to present their work. In the past year UFAW has supported a number of such trips, for example, Zoe Muller travelled to South Africa where she presented her work and its welfare implications for captive management of the endangered Rothschild's giraffe.

ANIMALS USED IN SCIENCE

2015 marks the 60th anniversary of the presentation of a paper by Dr William Russell at UFAW's AGM which contained the essence of the principles for the use of animals in research that he as a UFAW Scholar developed with his co-scholar Rex Burch and which became known as the 3Rs – Replacement, Reduction and Refinement. The 3Rs are now guiding principles used in legislation and codes to protect the welfare of research animals worldwide. Over the past year the charity has funded a number of activities aimed at replacing, reducing and refining the use of animals in research. These included:

Non animal tests for TB vaccine candidates

UFAW funded Dr Rachel Tanner to research novel non animal-based tests of the efficacy of TB vaccines for her doctoral research. Rachel's project aimed to develop approaches to replace the use of mice in the testing of potential TB vaccines, and her work validating and

“Key to advancing animal welfare is sharing the knowledge unlocked by science”

optimising an in vitro assay showed promise as a measure of vaccine efficacy. Although further work is required, the work has potential to reduce the numbers of animals used. Rachel was recently awarded her DPhil from the University of Oxford and is continuing her research at Oxford.

Pain relief in commonly used animal model of wound healing

UFAW supported a research project run by Dr Brianna Gaskill (Purdue University, USA) to examine the need for, and efficacy of, providing pain relief in a commonly used mouse model of wound healing. Researchers often make a very small skin lesion in mice using a biopsy punch and then measure the rate of wound healing. Dr Gaskill will investigate the effectiveness of analgesics in reducing the painfulness of this procedure and whether they interfere with the scientific validity of the test by changing the rate of wound healing. If successful, this project will prompt the more widespread provision of analgesia when this model is used.

UFAW often provides support for animal welfare meetings and conferences. The charity recently provided support for the inaugural meeting of the Animal Welfare Research Network (www.awrn.co.uk), a network that aims to bring together UK animal welfare researchers to encourage collaboration and support UK research activities.

Further afield, UFAW provided support for a meeting in Cuba on alternatives to the use of animals in scientific experiments, which allowed researchers from across Latin America to keep up-to-date with the latest non-animal technologies in scientific research.

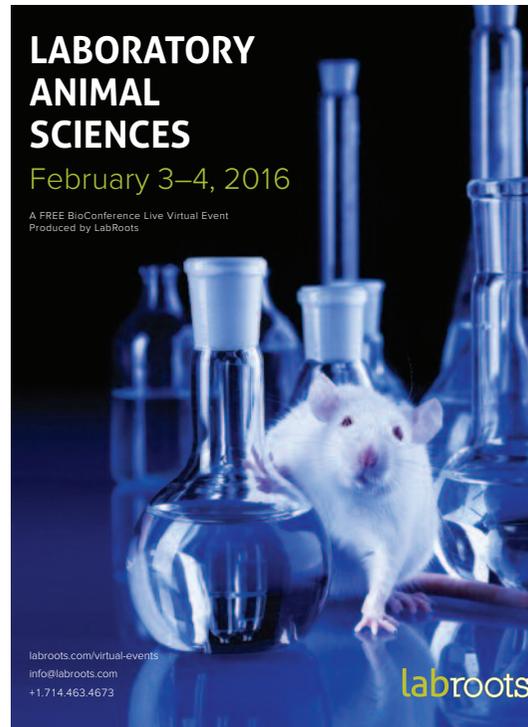
SHARING KNOWLEDGE – ADVANCING UNDERSTANDING

Key to advancing animal welfare is sharing the knowledge unlocked by science and UFAW organises international symposia, meetings and workshops on a wide range of topics.

For some years, UFAW has organised one-day meetings on the welfare of animals used in research with the Laboratory Animal Science Association (LASA). The 2015 meeting, co-chaired by UFAW's Chief Executive Dr Robert Hubrecht with LASA Alternatives Section Convenors Patricia Pimlott and Joanna Cruden, was held at the end of September and gave animal care staff an opportunity to discuss practical issues around the transportation, care and husbandry of a variety of species at breeding facilities and while kept as stock. The meeting concluded with a presentation on the fate of animals post-study, which addressed the issues that need to be taken into account when considering whether to rehome animals after research.

In late December 2015, the successful UFAW Animal Welfare Student Scholars came to present the findings of their studies at UFAW's 17th Animal Welfare Student Scholars Meeting. Fourteen of these students, from universities and colleges across the UK as well as Austria, Portugal and the USA, travelled to Writtle College in Essex to present their research and share their projects. For further information on the meeting, please see page 12.

In February 2016, UFAW's Senior Scientific Programme Manager Dr Huw Golledge gave a keynote presentation at the LabRoots two-day international Laboratory Animal Science (LAS) virtual conference, which was held live entirely online. Dr Golledge's presentation



entitled "A good death? Are our 'euthanasia' methods for lab animals actually humane?" brought participants up-to-date with the latest research in this area and drew attention to the gaps in our knowledge.

In May, UFAW and the RSPCA co-organised a symposium entitled 'The 9 to 5 rodent, time for change?' to consider what time of day is best to test the behaviour of lab rodents. Rats and mice are used in many behavioural tests, for instance in the development of drug treatments for psychiatric disorders. Rats and mice are also nocturnal animals yet many labs test them during daylight hours with possible welfare and research validity implications. The meeting featured a number of presentations highlighting dramatic differences in results obtained from rodent behavioural tests at different times of day.

Many of these results suggest the animals are more stressed when tested during the daylight hours. The meeting examined various strategies to reduce the stress of testing regimes and provide better data including automated systems that can test animals during the hours of darkness.

In June, the UFAW biennial conference *Recent Advances in Animal Welfare Science V* was held in York at the medieval Merchant Adventurers' Hall. The growing interest and engagement in animal welfare was demonstrated by the attendance of delegates from 19 countries – including Nigeria, Australia, Chile, Canada, Lithuania, Germany and Pakistan for this one day meeting that featured its greatest ever number of talks and poster presentations. A full list of speakers, poster presentations and abstracts can be found on the UFAW website www.ufaw.org.uk/york2016.



Photo: UFAW

Left to right: Professor Claire Wathes, Dr Robert Hubrecht, Professor Donald Broom and Dr Rowena Packer with their awards.

RECOGNISING EXCELLENCE – AWARDS

Medal for Outstanding Contributions to Animal Welfare Science

The UFAW medal for Outstanding Contributions to Animal Welfare Science recognises the exceptional achievement of scientists who have made fundamental contributions to the advancement of animal welfare over a number of years.

UFAW made two awards in 2016 to two exceptional scientists who have had a substantial impact on animal welfare. Professor Donald Broom, Department of Veterinary Medicine, University of Cambridge and Professor Christopher Wathes, Royal Veterinary College (Retired).

Professor Broom held the first ever Chair in animal welfare science in Cambridge. He was an early pioneer in the field, helping to establish animal welfare as a rigorous area of scientific endeavour and has made substantial contributions to the literature. Professor Broom has also helped globalise animal welfare science by bringing to the UK many young scientists from overseas, who have gone on to develop animal welfare science in their own countries.

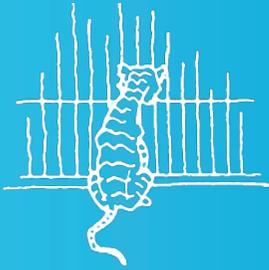
Professor Wathes was a leading veterinary light in the field of animal welfare and a scientist of the highest calibre. It was with great regret that earlier this year we learnt of Professor Wathes' death, but before this we were able to tell him that he was a medal winner. Much of Professor Wathes' work was on the animal's physical environment and its interactions with farm animal health and production. He also made a substantial contribution as Chair of the Farm Animal Welfare Council. His work has had a deep and lasting impact on animal welfare science and on policy developments.

Young Animal Welfare Scientist of the Year

UFAW makes this award to recognise the achievements of young scientists who have made significant contributions to improving the welfare of animals.

The 2016 winner of the award was Dr Rowena Packer, a Clinical Investigations Research Assistant at the Royal Veterinary College. Rowena is an outstanding scientist. Her PhD tackled a controversial but topical subject, aiming to test whether exaggerated body shapes in dogs are causally linked to certain debilitating and/or painful conditions and, if this was the case, to provide evidence to help bring a halt to such exaggeration. Her work has resulted in influential peer-reviewed publications that have been covered by both specialist and general press.

The medals and award were presented in York at the UFAW meeting *Recent Advances in Animal Welfare Science V* on the 23rd June 2016. Professor Christopher Wathes' medal was received, on his behalf, by his wife Professor Claire Wathes.



EDUCATION IN ANIMAL CARE AND WELFARE

UFAW promotes education in animal welfare – particularly at the university and college level, and the year has seen considerable strides forward with new University LINKs forged, a modernised website with an updated section on genetic welfare problems in companion animals and student scholars undertaking a varied spectrum of animal welfare studies and projects.

Genetic Welfare Problems of Companion Animals – new information available

Over the last year, UFAW has expanded its information resource for prospective pet owners and breeders on genetic welfare problems of companion animals. The charity has funded the Royal Veterinary College (RVC) to employ Dr Emma Buckland – the UFAW/RVC Health and Welfare Research Assistant – who has worked with Dr David Brodbelt and Dr Dan O’Neill at the RVC to add conditions to the site. Information on sixty new conditions (some of which are likely to cause considerable suffering) has been added to the site – expanding the advice available on conditions affecting dogs, cats and horses. The website can be found at www.ufaw.org.uk/genetics.

LINK SCHEME

The LINK scheme is a network of people, members and supporters at universities and colleges around the world, reflecting both UFAW’s origins and the tremendous growth in interest in animal welfare science within these institutions.

The aims of the scheme are to promote animal welfare science and the objectives of UFAW, while providing a forum for the involvement of members and supporters. The LINKS form a vital part of UFAW’s outreach work and the charity supports a wide range of activities at these institutions.

Over the past twelve months, there have been 9 new LINKS added, bringing the total

network of universities and research institutions to 77. New LINKS have been created in Murdoch, Western Australia; Santiago, Chile; Berlin, Germany; Mexico City, Mexico; Milan, Italy and Utrecht, Holland as well as closer to home in Reading, Chester and Roehampton.

Europe	49	Asia	3
Americas	17	Australasia	6
Africa and Middle East	2		

CASE STUDY

New LINK Universidad Mayor, Santiago, Chile

In December, with the support of the LINK Scheme, a conference was held at University Mayor in Santiago, Chile.

Entitled “*Strengthening of the value chain in the production of different eggs: the case of UK*” its aim was to pass on knowledge obtained during a fact-finding trip conducted by a group of free-range egg producers and researchers to the UK. The group visited egg producers, non-Government organisations and scientists in order to see how the production system is organised, particularly with regard to free-range egg production and the operation of assurance schemes.

Dr Beatriz Zapata, UFAW’s LINK at University Mayor and trip leader, gave a summary of the findings to the audience of Chilean egg producers and at the end of the conference there was a round table discussion where the audience questioned the speakers. As a result of the conference, understanding of the importance of welfare for laying hens was strengthened in farmers, veterinarians and students.

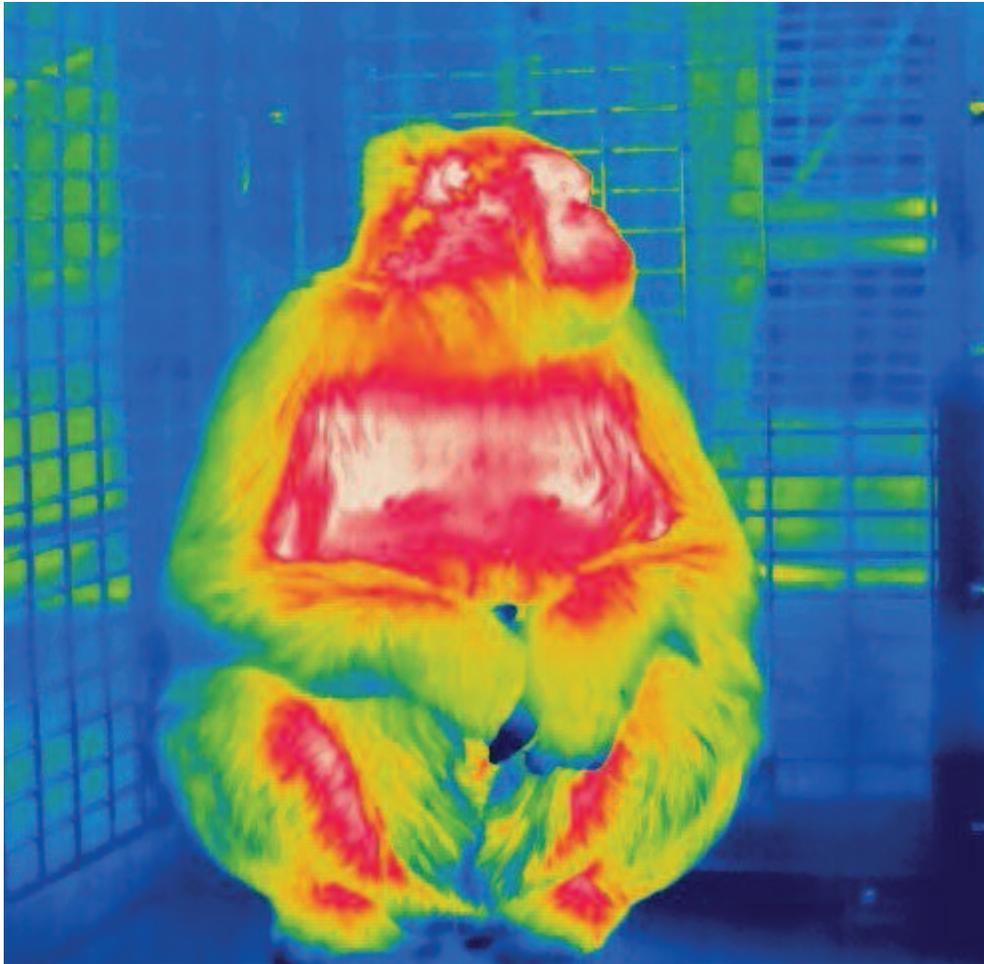


Photo: Holly Asquith-Barnes/RVC

Thermographic infra-red image of a primate

UFAW Student Scholars 2015

Each year, those students who were awarded a UFAW Animal Welfare Student Scholarship are invited to present the findings of their studies at an annual meeting, to share their knowledge amongst their peers and forge valuable relationships within the academic world.

In 2015 the meeting was hosted by Writtle College, Essex, and an audience of over 50 students heard talks on a diverse range of species from macaques, thornback rays and dairy cows, to elephants. Topics included novel methods of assessing the sex of eggs pre-hatch (Harry Appleby, Writtle College) to whether hens showed inequity aversion (ie reject an unfair outcome) (Chantal Villeneuve, the Royal Veterinary College).

Several talks discussed the use of infra-red thermography to assess the welfare of individuals; a relatively new, non-invasive, technique that offers the possibility of early identification of painful conditions such as arthritis. In infra-red thermography a heat sensitive camera takes images of animals and looks for specific surface 'hotspots' – areas of the body that show up as hotter than the surrounding tissue and which may be due to increased blood flow to the affected area or indicative of inflammation. As with any new technique, it is important to determine its effectiveness and specificity.

Hayley Reeve, (University of St Andrews) presented her research on whether rats show empathy. This question is of interest for understanding what matters to rats and for understanding their cognitive abilities. Other topics covered included hock lesions in dairy cattle and the nocturnal behaviour of orphan young Asian elephants in a Sri Lankan rehabilitation centre.

The welfare of fish was also discussed. Over the past few decades, there has been a rapid increase in our understanding of the behaviour and welfare of fish and it is now widely accepted that fish can suffer. Guppies are popular in research, as a biological model, and

as ornamental fish in the pet trade. One student scholar (Jack Wootten, University of Chester) chose to investigate how captive male guppies respond to their environment, specifically the reflective surfaces of aquaria. There are still large gaps in our knowledge on how best to keep fish and the study is being used as a basis for further research on fish welfare.

Student Scholars 2016

This year, UFAW has awarded six Animal Welfare Student Scholarships. They join the ranks of over 350 students who have, since 1983, aimed to investigate and improve the welfare of animals through undertaking a UFAW scholarship.

Chelsie Bailey: 'Development of an imprinted maternal stimulus to improve welfare in domestic chicks', under the supervision of Dr Jo Edgar, University of Bristol, UK.

Caroline Krall: 'A novel technique to assess post-operative pain in laboratory New Zealand white rabbits using infra-red thermal imaging following orchidectomy (castration)', under the supervision of Dr Christoph Blau, Newcastle University, UK.

Kirsty-Marie Moran: 'Validating behavioural measures of anxiety: an investigation into the relationship between scratching and other displacement behaviours', under the supervision of Dr Eoin O'Sullivan, University of Stirling, UK.

Martin Pearson: 'Impact of visitors on Morelet's Tree Frog in a public aquarium', under the supervision of Dr Tessa Smith, University of Chester, UK.

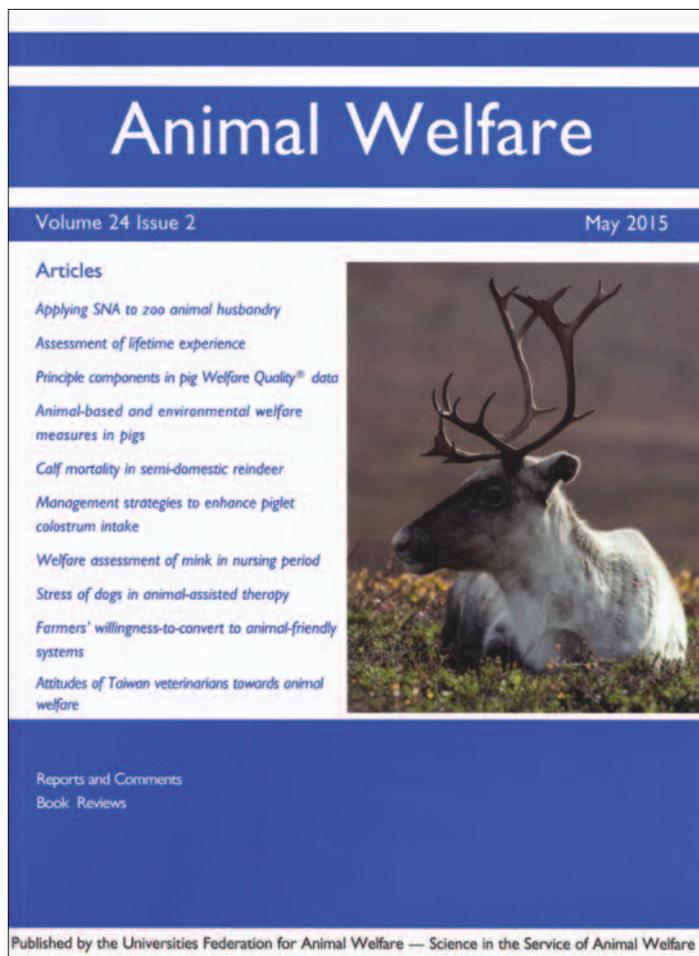
Lisa Waddell: 'Emotional contagion in laboratory rats', under the supervision of Dr Gillian Brown, University of St Andrews, UK.

Francisca Pilar Barlupo Henriquez: 'Influence of environmental enrichment on the use of outdoor range area and reduction of mortality and feather pecking in free range laying hens in Chile', under the supervision of Dr Beatriz Zapata, Universidad Major, Chile.



2015 Student scholar Jessica Anderson, Western University of Health Science, USA whose study looked at thermography in birds

Photo: Jessica Anderson



Wiley Blackwell book series: An animal welfare resource for students, scientists and the public

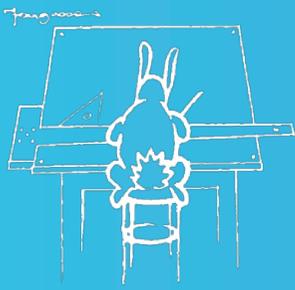
Animal welfare science is growing rapidly and there are increasing numbers of students who take courses in the subject. 2015 saw the publication of the latest volume in the series, *Companion Animal Ethics* by Professor Peter Sandøe, Dr Sandra Corr and Professor Clare Palmer, which addresses the many difficult conundrums that veterinarians and companion animal owners can face. There are now eleven volumes in the series covering different species; the welfare issues that affect them; areas of animal use, such as farm animals or the use of animals in research; overviews of animal welfare science and ethical issues, and others are in preparation. If you have an idea for a book in the series, please contact the UFAW office.

UFAW has negotiated a discount for its members with Wiley, and UFAW members are entitled to a 35% discount on purchases of these and other Wiley Books. Further details are available from the UFAW office and on the UFAW website.

Animal Welfare Journal

Over the last twelve months, the *Animal Welfare* journal, which is published four times a year, has covered an extremely wide and diverse range of topics from slaughter horse welfare during unloading, population control in captive primates and the effect of analgesic drugs on broiler mobility to cattle welfare at Indonesian abattoirs, empathy in veterinary students and the welfare costs of civet coffee tourism.

In pursuit of its charitable objective to promote welfare through education and to make the welfare information published by UFAW accessible to a worldwide audience, UFAW is partnered with HINARI, a World Health Organisation programme, and other related programs, to make *Animal Welfare* available online, free or at very low cost, to staff members and students in qualifying not-for-profit organisations based in developing countries throughout the world.



PROVIDING EXPERT ADVICE

UFAW provides information and advice on aspects of biology, management, health, behaviour and ethics relating to the welfare of domestic and wild animals to government departments, non-governmental organisations, universities and others. The charity is also consulted on draft legislation, guidelines and codes of practice relating to animal welfare.

Over the past twelve months, UFAW staff have continued to provide animal welfare advice to the general public, and to other Government, NGOs or companies that work with animals, either by formally taking part in internal advisory committees, by working as members of grant and ethics panels or by visiting and lecturing at facilities.

3Rs at the heart of Chinese animal welfare work

As reported in the Spring Newsletter, the Home Office has been collaborating with UFAW and the Assessment and Accreditation of Laboratory Animal Science (AAALAS International) and with Chinese scientists and veterinarians to share expertise and knowledge with the aim of encouraging rapid implementation of the 3Rs in China. Considerable progress has been made in drafting regulations controlling animal experimentation with the 3Rs at their heart and we hope that these will soon be formalised. Three symposia have been run over the last three years bringing experts to lecture and teach on animal care, training of animals and humans, and legal and ethical issues. The 2016 meeting was held in HeiFei Anhui Province in Eastern China, and was opened by the Minister of Science and Technology, Mr Jia Jing-Dun. Dr Hubrecht gave a lecture showing how institutions could use external expertise to encourage improvements or welfare research leading to practical solutions.

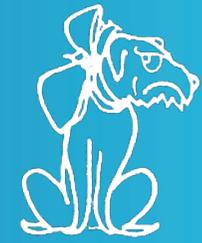
UFAW staff serve, and have served, on national and international advisory committees and working groups including:

- Animal Procedures Committee and its successor the Animals in Science Committee
- Zoos Forum
- Companion Animal Welfare Council
- National Centre for the 3Rs (NC3Rs) Board
- Council of Europe Working Party

www.ufaw.org.uk



Photo: Understanding Animal Research



ADMINISTRATION AND FINANCE

Annual General Meeting 2015

The AGM was held at the Old School, Brewhouse Hill, Wheathampstead. As in previous years this was held in conjunction with the General Meeting of the Humane Slaughter Association and Council of Justice to Animals (HSA & CJA). The members of UFAW Council also act as Trustees for the HSA. Joint meetings are held to save time and money.

The notice convening the meeting had been sent to all subscribers and was taken as read. The meeting agreed the Minutes of the AGM of 2014 and resolved to receive the Accounts and Auditor's Report for the year ended 31 March 2015. Questions on the Report of the year's work were answered by the officials present and the meeting resolved that the Report and Accounts be received.

It was resolved that Anthony Joseph & Co, Registered Auditors, be appointed as auditors to UFAW and its associated Trusts and their remuneration should be fixed by Council.

Dr J Bradshaw, Ms B Cooper, and Professor N Gregory, stood down under the rules regarding rotation. Dr J Bradshaw had offered himself for re-election. New candidates were proposed, Ms Charlotte Reid, and Dr Andrew Wilson. Dr J Bradshaw was re-elected and Ms Reid and Dr Wilson were elected. The nominations had the full support of Council.

Notice of Annual General Meeting 2016

The Annual General Meeting of the Universities Federation for Animal Welfare will be held at 12.30pm on Wednesday 19th October 2016 at The Old School, Brewhouse Hill, Wheathampstead. The formal notice and agenda have been sent to all members and are available from the Company Secretary at the registered office.

Finance and Accounts

The summarised accounts set out overleaf have been extracted from the full accounts and have been prepared in accordance with the Companies Act 2006, which were approved by the Directors/Council and signed on its behalf on 13th July 2016.

The full accounts have been audited and the auditors' opinion was without qualification. The accounts will be filed with the Companies Registry and the Charity Commission after the Annual General Meeting on 19th October 2016.

Full accounts, and the audit report can be obtained from the Company Secretary, The Old School, Brewhouse Hill, Wheathampstead, Herts AL4 8AN.

Independent Auditors' Statement to the Council of the Universities Federation for Animal Welfare

We have examined the summarised financial statements that comprise the summary statement of financial activities and summary balance sheet.

Respective Responsibilities of the Council and Auditors

You are responsible as the Council for the preparation of the summarised financial statements. We have agreed to report to you our opinion on the summarised financial statements' consistency with the financial statements, on which we reported to you on 13th July 2016.

Basis of Opinion

We have carried out the procedures we consider necessary to ascertain whether the summarised financial statements are consistent with the full financial statements from which they have been prepared.

Opinion

In our opinion the summarised financial statements are consistent with the full financial statements for the year ended 31st March 2016.



13th July 2016

S Francis-Joseph FCCA, Senior Statutory Auditor for and on behalf of, Anthony Joseph & Co Limited, Stevenage, .

Summary of Financial Activity year ended 31st March 2016

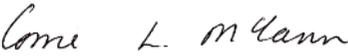
	2015/16 £	2014/15 £
Incoming Resources:		
Voluntary Income:		
Subscriptions & Donations	41,453	28,957
Appeals	1,667	2,387
Legacies	141,037	402,155
	<u>184,157</u>	<u>433,499</u>
Charitable Activities:		
Publications	92,092	74,930
Royalties & Lecture Fees	4,265	6,935
Symposium	22,685	4,496
Interest & Recoveries	61	54
	<u>119,103</u>	<u>86,416</u>
Investment Income:		
Interest Bearing Deposits	1,802	1,676
Securities (inc Overseas Income of £29, 698)	192,917	172,065
	<u>194,719</u>	<u>173,741</u>
Total Incoming Resources	<u>497,979</u>	<u>693,655</u>
Resources Expended:		
Costs of Generating Funds	74,034	81,435
Charitable Activities	341,808	362,810
Other Resources Expended	150,806	145,903
	<u>566,648</u>	<u>590,148</u>
Operational (Outgoing)/Incoming Resources for the Year	(68,669)	103,507
Other Recognised Gains and Losses:		
Net Realised Gain/(Losses) on Investments	231,969	259,835
Net Unrealised Gains/Losses on Market Value of Investments	(544,681)	275,462
	<u>(312,712)</u>	<u>535,297</u>
Net Movement on Funds	(399,381)	638, 804
Balance Brought Forward	7,607,488	6,968,684
Balance Carried Forward	<u>7,208,107</u>	<u>7,607,488</u>

Balance Sheet as at 31st March 2016

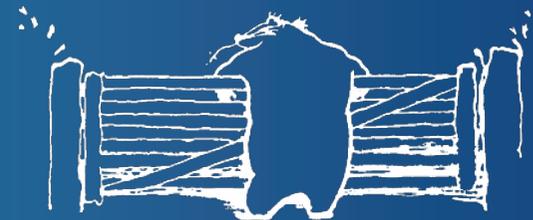
	2015/16 £	2014/15 £
Fixed Assets		
Tangible Fixed Assets	387,093	391,151
Investments	6,597,313	6,805,801
	<u>6,984,406</u>	<u>7,196,952</u>
Current Assets		
Debtors	26,119	33,523
Money Market & Deposit Accounts	324,665	589,397
Cash at Bank & in Hand	16,913	16,515
	<u>367,697</u>	<u>639,435</u>
Current Liabilities		
Creditors: Amounts Falling Due within One Year	(143,996)	(191,106)
Net Current Assets	223,701	448,329
Total Assets less Current Liabilities	7,208,107	7,645,281
Creditors: Amounts Falling Due after More than One Year	–	(37,793)
Net Assets	<u>7,208,107</u>	<u>7,607,488</u>
Funds		
Unrestricted	6,617,831	7,058,429
Restricted	590,276	549,060
	<u>7,208,107</u>	<u>7,607,488</u>

The summarised accounts were approved by Council and signed on their behalf on 13th July 2016


Professor R M Bennett BSc MSc PhD
Chairman


C L McCann BSc ACA
Hon Treasurer

LEGAL AND ADMINISTRATIVE INFORMATION



The Universities Federation for Animal Welfare

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Professor R S Anderson BVMS PhD MRCVS
Professor P M Biggs CBE DSc DVM FRCPATH FRSB FRS FRCVS
L A Brown MBE BVSc BA PhD FRSB MBA FRCVS
Professor P H Holmes OBE BVMS PhD FRCVS FRSE
B Howard BVMS PhD FRCVS
J H Pratt BVM&S DVSM FRCVS
G D Sales BSc PhD AKC MRSB DipTCDHE

Council:

(who are the Directors of the Limited Company)

Chairman: Professor R M Bennett BSc MSc PhD † ‡ *

Vice-Chairman: Professor A Nolan OBE MVB DipECVA
DipECVPT DVA MRCVS † *

Honorary Treasurer: C L McCann BSc ACA † ‡

Members:

J Bradshaw BA PhD ‡
B Cooper VN Cert DTM (to 14.10.15)
Professor N Gregory BSc PhD (to 14.10.15)
B North MBA PhD MSc
Professor Dr F O'Hl PhD* (to 02.01.16)
D Pritchard BSc BVetMed MPH MRCVS*
M Radford OBE LLB
C Reid (from 14.10.15) *
D R Sargan MA PhD ‡*

A G Simmons BVMS MSc MRCVS †
A Wilson BVMS DVSM MRCVS (from 14.10.15)

‡ Member of the Grants Panel
† Member of the Finance Panel
* Member of the Fundraising Panel

Staff:

Chief Executive/Scientific Director:

Robert C Hubrecht OBE BSc PhD FRSB

Senior Scientific Programme Manager:

Huw D R Golledge BSc PhD

Scientific Officer:

Elizabeth Carter BSc MSc

Development Officer:

Stephen M Wickens BSc PhD

Editorial Assistant:

Steven Weddell BSc BVSc MRCVS HND

Public Relations/Fundraising Officer:

Brian D Pemberton BA MA (to 15.08.15)

Fundraising & Communications Manager:

Tracey Woods MCIPR (from 03.08.15)

We were sad to learn of the death of Vice President Ian Lean earlier this year. Ian was a valued supporter, past Chairman and member of Council for many years and his experience and input will be much missed.

Secretary:

Jane Moorman

Office staff:

Samantha Griffin
Wendy L Goodwin
Caitlin Gillespie (from 07.03.16)

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E-mail: ufaw@ufaw.org.uk

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Barclays Bank plc, 33 Darkes Lane, Potters Bar, Herts, EN6 1BA, UK
Santander UK plc, Bridle Road, Bootle L30 4GB, UK

Solicitors

Withers LLP, 16 Old Bailey, London, EC4M 7EG, UK

Investment Advisers:

Smith & Williamson Investment Managers, 25 Moorgate,
London EC2V 5NS, UK



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