

## UFAW Vacation Scholars

<b>L Aitchison</b>	1998	University of Edinburgh	The effects of three food enrichment tools on behavior of captivity housed ring-tailed lemurs ( <i>Lemur catta</i> )
<b>R Allister</b>	2002	University of Liverpool	Investigation into Salmonellosis, Colibacillosis and the proposed 'Bird-table effect' in British garden birds
<b>H Andrews</b>	1991	King's College London	An investigation into noise disturbance(including high frequencies) in the captive environment of cotton-top tamarins and its subsequent effect on behavior
<b>S Appleyard</b>	1997	University of Edinburgh	Coping with captivity : A review of the coping hypothesis of stereotypic behavior and coping strategies/ wheel running in bank voles ( <i>Clethrionomys glareolus</i> )
<b>J Archer</b>	2003	Sussex University	Housing conditions, welfare and experimental performance in caged birds
<b>R Arnold</b>	1988	Leicester Polytechnic	The effect of disturbance by people and dogs on the behavior of red deer and fallow deer in a city park
<b>D Arumugam</b>	2004	University of Glasgow	Does the level of corticosterone in chicken egg yolk indicate maternal stress level?
<b>K Asbeck</b>	1996	King's College London	Environmental enrichment - The impact of a new cage device on the behavior of stock laboratory mice
<b>H Ashby</b>	2003	Anglia Polytechnic University	Prevention of bumblefoot in a critically endangered bird, the northern bald ibis
<b>D Ashley</b>	1994	Scottish Agricultural College	Using individual characteristics to minimize the aggression in groups of growing pigs
<b>C Ashton</b>	2000	De Montfort University Lincoln	Perspective taking in dogs
<b>K Atkinson</b>	1991	Scottish Agricultural College	Foraging behavior of outdoor sows and implications for dry sow welfare
<b>SJ Ayling</b>	1988	University of Nottingham	Laboratory mice: The effects of differences in holding conditions on aggression
<b>S Bagheri</b>	2004	Royal Veterinary College, London	The impact of feeding frequency and tank measurements on the growth rate of intensively reared koi carp ( <i>Cyprinus carpio</i> )
<b>T Bainbridge</b>	1997	University of Glasgow	Behaviour patterns and welfare considerations of calves kept tethered in outdoor kennels
<b>J Barber</b>	1997	King's College London	A study of the effects that enhanced feeding has on captive voles ( <i>Microtus agrestis</i> ), with special reference to stereotypies
<b>S Bartram</b>	1991	Lancashire Polytechnic	A feasibility study to investigate the possibility of using abattoir tissue as an alternative source to laboratory animals
<b>ER Beatty</b>	1988	Institute of Animal Physiology and Genetics Research, Roslin	Assessment of pain associated with degenerative hip disorders in adult male turkeys
<b>S Becker</b>	1999	University of Liverpool	Comparison of behavioural interaction in two populations of captive ringtailed lemurs in single-species and mixed-species exhibits
<b>DJ Bennett</b>	1992	University of Edinburgh	The behavior assessment of two methods of introducing a new dog to an unfamiliar group, in an animal shelter
<b>D Berthoud</b>	2003	Anglia Polytechnic University	Woodgreen Animal Shelter temperament assessment follow up
<b>L Birnie</b>	1991	University of Aberdeen	Validation of salivary cortisol as a means of welfare assessment in pigs
<b>E Blaney</b>	2002	Queen's University Belfast	The influence of a visual barrier on the behaviour and public perceptions of captive gorillas
<b>C Bowen-Colthurst</b>	2004	Sparsholt College	Assessing the implications of various capture methods and husbandry practices on the welfare of ornamental fish caught for the aquarium trade

<b>R Bradley</b>	1996	Queen's University Belfast	Vocalization in an open-field test as an indicator of pig welfare
<b>B Breathnach</b>	1988	Veterinary College, Dublin	The effects of a narcotic antagonist (diprenorphine) in the treatment of a stereotypic behavior pattern (boxwalking) in the equine
<b>JA Brennan</b>	1984	University of Stirling	Gum - feeding by marmoset and tamarin monkeys
<b>E Brindley</b>	1987	University of St Andrews	A study of the factors affecting shelter-seeking behavior in free-ranging goats
<b>H Broadbent</b>	2003	Royal Veterinary College, London	Survivability of primates released from the Wild Animal Rescue and Rehabilitation Centre, Guatemala
<b>J Brown</b>	1993	Scottish Agricultural College	Welfare and production implications of piglet husbandry treatments in outdoor systems
<b>A Brunt</b>	2005	University of York	Salivary cortisol and heart rate responses of horses used in therapeutic riding programmes
<b>L Buckley</b>	2003	University of Lincoln	The effect of stress on free radical production in cattery housed cats
<b>E Buist</b>	1999	University of Bristol	The effects of cage size on cage-cleaning aggression in male mice
<b>E Bullement</b>	2003	University of Bristol	Evaluation of the use of a mirror as a form of enrichment for group-housed mice
<b>R Bunn</b>	2000	University of Bristol	Piglet survival and welfare outdoors: The role of maternal behaviour
<b>K Burrell</b>	2003	University of Edinburgh	Olfactory enrichment and visitor effects in the captive black rhinoceros ( <i>Diceros bicornis</i> )
<b>S Burt</b>	1985		An exploration of the value of a simple shelter to increase the comfort of stock mice housed in standard cages
<b>V Butler</b>	2000	Royal Veterinary College, London	To improve the welfare and productivity of small rural farms in the Yucatan peninsula, Mexico
<b>C Carr</b>	1990	University of Liverpool	In vitro pituitary and adrenal function
<b>J Cartledge</b>	2005	University of Glasgow	Corticosterone levels in 'furnished' caged egg yolk as an indicator of stress
<b>TA Cartwright</b>	1994	University of Liverpool	Some maternal factors associated with dystocia in Belgian blue cattle
<b>F Cathcart</b>	2001	Queen's University Belfast	Ethological needs and feeding enrichment in the captive Asian elephant ( <i>Elephas maximus</i> )
<b>J Charlwood</b>	1983	Bedford College	Factors determining choice of nest site in parturient mice
<b>R Chinery</b>	1989	University of Reading	The effect of housing in male laboratory mice
<b>A Christains</b>	1993	University of Southampton	Factors predisposing dogs to separation problems
<b>J Christie</b>	1997	De Montfort University Lincoln	Development of an objective scoring system for the evaluation of equine stereotypic behaviour
<b>D Clackson</b>	1990	University of Liverpool	A study of the effect of farm tracks and stockman's patience on the incidence of summer lameness in dairy cattle
<b>HA Clark</b>	1994		Out-door pig farming. The "bale tent" - A novel and practical alternative to dry sow huts?
<b>I Clark</b>	1998	University of Leeds	Selenium and muscle damage during transport in red deer
<b>R Clements</b>	2005	University of Edinburgh	Comparison of the acute and chronic effects on lambs of standard castration with tight rubber rings and 'short scrotum' castration with tight rubber rings
<b>D Connolly</b>	1999	Scottish Agricultural College, Auchincruive	A behavioural study of training the young heifer to use cubicles - the importance of example
<b>L Cox</b>	1998	De Montfort University Lincoln	The impact of pre-weaning environment and weaning age on the behavior and welfare of piglets
<b>N Cracknell</b>	2005	University of Lincoln	Can stimulus enhancement explain the apparent success of the model-rival technique in dogs?
<b>L Craggs</b>	2004	University of Nottingham	Novel hoof hardeners for treating cattle hooves
<b>A Craig</b>	2002	Oxford Brookes University	An investigation at Zoo Negara, Malaysia, to assess and establish the visitor/animal interactions towards captive animals and the animal welfare implications

<b>A Dash</b>	1987	University of Bristol	The evaluation of analgesic activity of clonide and U50-488 given intrathecally to conscious sheep
<b>N Davis</b>	1997	University of Edinburgh	Light intensity preferences in fowl - a behavior study
<b>R Davison</b>	1986	The West of Scotland Agricultural College	Land usage by domestic fowls in a free range egg production system
<b>MA Deakin</b>	1988	AFRC Institute of Food Research, Bristol Laboratory	Results of an experiment to test the use of liver glycogen concentrations as an index of fasting time in pigs
<b>E Denham</b>	1991	University of Liverpool	Cortisol and beta-endorphin responses to restraint or transport
<b>F Di Marco</b>	1999	Anglia Polytechnic University	Welfare and social status in the mara ( <i>Dolichotis patagonum</i> )
<b>O Doherty</b>	1993	University of Edinburgh	A study of the physical stress on ponies during transport
<b>A Donald</b>	2001	University of Aberdeen	Avian malaria in penguins in Edinburgh Zoo: risk factors and mosquito control
<b>D Donnelly</b>	1999	University of Bristol	The effect of clipping dirty cattle, in lairage, on animal welfare
<b>C Dunn</b>	1988	University of Glasgow	A comparison of the reactions of cattle undergoing ritual slaughter by two different methods of restraint
<b>R A Dunn</b>	1986	University of Glasgow	A comparison of the short-term stress caused by common laboratory procedures in wild-caught and hatchery-reared brown trout ( <i>Salmo trutta</i> )
<b>K Durman</b>	1990	University of Southampton	Behavioural indicators of stress in rescued cats
<b>J Durrell</b>	1995	Queen's University Belfast	Effects of enrichment using mushroom compost and of floor-type on the behavior and welfare of voluntary cubicle loose housed dry sows
<b>R Eager</b>	2002	University of Edinburgh	Evaluation of pain & discomfort associated with equine castration
<b>S Eckley</b>	1996	De Montford University Lincoln	Evaluation of bedding preferences in stabled horses
<b>D Elfick</b>	1993	Scottish Agricultural College	Social space requirements for group housed sows
<b>J Evans</b>	1986	King's College London	The effect of various ultrasonic signals on the activity of laboratory rats
<b>S Finnegan</b>	2003	Anglia Polytechnic University	Welfare implications of professional versus DIY artificial insemination of dairy cows
<b>P Fleming</b>	2004	University of Central Lancashire	Effects of essential oils on behaviour of Mongolian gerbils
<b>DP Fordham</b>	1987	University of Leeds	Plasma cortisol and B-endorphin concentrations in lambs after handling, transport and slaughter
<b>C Fowler</b>	1997	Anglia Polytechnic University	The effects of captivity on the behavior of mara ( <i>Dolichotis patagonum</i> )
<b>G Galsworthy</b>	1997	University of Dundee	Environmental enrichment in parrots
<b>B Garrod</b>	2004	Anglia Polytechnic University	Investigating the effects of electrical aquarium equipment upon the welfare of a weakly electronic fish, the black ghost knifefish ( <i>Apteronotus albifrons</i> )
<b>P Godden</b>	1995	King's College London	Social facilitated barking in domestic dogs
<b>S Gore</b>	1996	University of Liverpool	Identification of stressful components of animal transport
<b>M Grabrovaz</b>	1984	University of St Andrews	Mother-offspring behavior of farmed red deer ( <i>Cervus elaphus</i> ) at calving time
<b>C Grey</b>	1998	Wye Collage, University of London	The analysis of stress in horses undergoing transport
<b>R Grimmer</b>	1990	University of Glasgow	The special husbandry requirements of nude mice
<b>J Grindrod</b>	1996	University of Keele	Rehabilitation of common seal pups ( <i>Phoca vitulina</i> )
<b>A Hamlin</b>	1999	University of Hull	The emergence and development of stone-chewing in piglets reared outdoors

<b>S Hammon</b>	1992	University of Edinburgh	Time budgets for horses with different dietary protein levels
<b>AJ Hanlon</b>	1990	University College Dublin	Factors influencing fawn mortality in Phoenix Park
<b>SJ Hannaby</b>	1999	University of Bangor	Implications of grooming for the behaviour and welfare of domestic horses
<b>S Harper</b>	1993	Royal (Dick) School of Veterinary Studies	The effect of periodicity of feeding on abnormal behavior in the horse
<b>C Harrison</b>	2000	Harper Adams University College	Effect of weaning strategy on the immune responses and welfare of piglets
<b>C Hartley</b>	1993	University of Bristol	The influence of environmental enrichment programmes on the cotton-top tamarin, ( <i>Sequinus oedipus oedipus</i> )
<b>K Hastie</b>	1991	University of Aberdeen	The effect of boat traffic upon bottlenose dolphins ( <i>Tursiops truncatus</i> ) in the Kessock Channel, NE Scotland
<b>J Henderson</b>	1994	Manchester Metropolitan University	The inheritance of susceptibility to stereotypic behavior in horses
<b>J Herbert</b>	1995	University of Wales, Swansea	A preliminary evaluation of a novel method of assessing "well being" in laboratory mice
<b>M Higgins</b>	1995	Scottish Agricultural College	The effects of individual or group paddocks on sow and piglet welfare in outdoor farrowing systems
<b>N Hind</b>	2002	Chester College	Using behaviour to assess welfare in captive amphibians: <i>Epipedobates tricolor</i>
<b>J Holding</b>	1996	University College Scarborough	The social behavior of the bull huss shark ( <i>Scyliorhinus stellaris</i> )
<b>J Hollingsworth</b>	1996	University of Edinburgh	Televised images as visual enrichment for captive cebus monkeys, <i>Cebus apella</i>
<b>L Horton</b>	2005	Royal Veterinary College, London	A further study into the effects of tree cover on the range on the welfare of free-range layer hens by observing animal behaviour
<b>G Houghton</b>	2005	University of Plymouth	Can rumination behaviour be manipulated for the benefit of welfare of captive exotic ruminants: duikers as a case study?
<b>K Howard</b>	1999	University of Aberdeen	Effect of pre-natal nutrition on hoof tissue development of sheep
<b>UI Ibrahim</b>	1997	University of Edinburgh	Preferences and behavior of laying hens presented with different colours and types of artificial turf nest linings
<b>J Innes</b>	1984	The West of Scotland Agricultural College	Aspects of competitive behavior in flocks of domestic fowls housed in covered straw yard
<b>J Innes</b>	1985	The West of Scotland Agricultural College	A behavior comparison of laying fowls housed in a ventilated litter shelf system and in cages
<b>L Innes</b>	2004	University of Wales, Aberystwyth	An evaluation of retraining strategies applied to rehabilitated horses
<b>S Johnson</b>	2002	University of Edinburgh	Foraging enrichment for laboratory rats
<b>W Johnston</b>	1992	Queen's University Belfast	Observations of the behavior of a small dynamic group of non-lactating sows kept in a semi-outdoor system
<b>T Jones</b>	1991	Leicester Polytechnic	Time budgets of captive Parma wallabies - The effects of paddock size and simple behavioural enrichment
<b>P Kakuma</b>	1987	Institute of Primate Research	Reproductive seasonality in captive vervet monkey
<b>M Kilbride</b>	2005	University College Dublin	A study of parasitic load in mixed species exhibits in the National Zoological Gardens, Pretoria, and implications for zoo animal welfare
<b>FR Kim</b>	1991	University of Edinburgh	Resting behavior of sheep in slaughter lairage

<b>FB Kim</b>	1989	University of Leeds	The effects of intrauterine laproscopic insemination on the general welfare of ewes
<b>LA King</b>	1997	University of Sussex	The impact of visitor presence on location and activity preference in contrasting primate populations
<b>R Kingston</b>	1992	University of Edinburgh	The effect of routine handling practices on the heart rate and behavior of dairy cows
<b>E Kirk</b>	1998	University of Hull	Is the provision of rooting and stone-chewing opportunities good for the welfare of early-weaned piglets?
<b>PJ Kirk</b>	1998	University of St Andrews	The effect of food size and distribution on the feeding behavior and activity budget of lion- tailed macaques
<b>C Knowler</b>	1988	University of Glasgow	Environmental enrichment of captive leopard cats presenting food in a more challenging manner
<b>J Lacey</b>	2000	Anglia Polytechnic University	A study of the effects of visitor on intra- and inter-specific aggression among sheep, goats and pigs in the Farm Village exhibit at Marwell Zoological Park
<b>J Lacey</b>	2002	University of Edinburgh	The demand for social contact between laboratory mice as measured by the access cost imposed by four different obstacles
<b>K Lam</b>	1989	Royal Veterinary College, London	Use of a grooming and foraging substrate to reduce cage stereotypies in macaques
<b>A Lamb</b>	1989	University of Aberdeen	An investigation into the efficacy of mechanical mole scarers
<b>T Leslie</b>	2002	University of Cambridge	The preferences of domestic rabbits for pasture and concentrate feeds
<b>LG MacDonald</b>	1998	De Montford University Lincoln	An investigation into the effect of increased visual horizons on stereotypic "weaving" of the horse
<b>J MacFae</b>	1992	Edinburgh School of Agriculture	The effects of temperature and stocking density on the wallowing behavior of growing pigs
<b>K MacRitchie</b>	1986	University of Strathclyde	A cell culture investigation of the adverse side effects of peritoneal dialysis
<b>I Mason</b>	1994	University of Keele	Comparison of survival rates and movements of barn owls in Staffordshire and Cheshire following two methods of captive breeding and release
<b>F Mathieson</b>	1983	University of Aberdeen	Space for turning round for sows
<b>S Mauchline</b>	1992	Scottish Agricultural College	Minimizing aggression in newly mixed sows
<b>D Mayes</b>	1989	University of Aberdeen	Stressor responses in fish
<b>A Mayo</b>	2000	Anglia Polytechnic University	The effects of enclosure design on the welfare of black rhinoceros ( <i>Diceros bicornis</i> ) at UK zoos
<b>L McAulay</b>	1998	Scottish Agricultural College, Auchincruive	Behavior of growing male turkeys in relation to the aetiology of leg disorders
<b>C McCusker</b>	2001	Queen's University Belfast	Biologically relevant odor cues function as a novel form of enrichment in captive ring-tailed lemurs ( <i>Lemur catta</i> )
<b>M McDonald</b>	1995	University of Edinburgh	Overcoming problems in providing perches for laying cages
<b>A McGaughay</b>	2004	University of Glasgow	Determination of a pattern of behaviours associated with painful inflammatory diseases in dairy cows
<b>C McGaughie</b>	2001	University of Glasgow	Canine follicle culture to replace the use of live dogs in reproduction research
<b>S McKay</b>	2003	University of Manchester	Personality assessment of cheetahs in UK and Ireland institutions, with relation to environmental and performance variables
<b>K McLean</b>	1985	University of Aberdeen	A comparison of the welfare of laying hens in battery cages and in a perchery

<b>M McLennan</b>	2003	Oxford Brookes University	Social housing of chimpanzees ( <i>Pan troglodytes</i> ): the effects of group size and structure on social behaviour and relationships
<b>Y McQuillan</b>	1991	Bolton Institute of Higher Education	The effects of species composition upon social behaviours in captive ring-tailed lemurs, ( <i>Lemur catta</i> ) and DeBrazza's monkeys, ( <i>Cercopithecus neglectus</i> )
<b>V Melfi</b>	1997	University of Edinburgh	A comparative behavioural study of captive and wild troops of crested sulawesi black macaques ( <i>Macaca nigra</i> ): with an integration of conservation and animal welfare
<b>P Morris</b>	1989	Royal Holloway and Bedford New College	The effects of supplementary feeding on movements of hedgehogs ( <i>Erinaceus europaeus</i> )
<b>E Morrison-Smith</b>	2002	University of Wales Aberystwyth	Effects of light spectrum on the behaviour of three spined stickleback, <i>Gasterosteus aculeatus</i>
<b>SC Mueller</b>	1984	University of Reading	Responsiveness in stall-housed dry sows
<b>S Mullan</b>	1994	University of Glasgow	Methods for assessing the welfare of reptiles in captivity
<b>P Mullin</b>	1984	Institute of Animal Physiology and Genetics Research, Roslin	Will chickens work to gain access to members of the opposite sex?
<b>S Munn</b>	1990	Royal Holloway and Bedford New College	The effect of releasing captive hedgehogs ( <i>Erinaceus europaeus</i> ) into the wild
<b>A Murray</b>	1993	Manchester Metropolitan University.	Spatial utilization & interspecific interactions in a mixed-species herd of captive Asian ungulates
<b>K Musgrave</b>	1989	University of Leeds	The effect of weaning, relocating and mixing on the growth and welfare of piglets
<b>G Norbert-Tikun</b>	2001	University of Edinburgh	Education: key to improving animal welfare in Malaysia
<b>D O'Donovan</b>	1990	University College Cork	The influence of visitors on the behavior of female cheetah ( <i>Acinonyx jubatus</i> ) and cubs
<b>L Ogilvie</b>	1995	University of Dundee	Environmental enrichment for penguins at Edinburgh zoo
<b>D Ottway</b>	1998	Anglia Polytechnic University	Behavioral indicators of stress in cats ( <i>Felis catus</i> ), residing long-term in single and communal housing
<b>O Ozgen</b>	1992	University of Bristol	The effects of noise type and levels on the stress response in pigs and sheep
<b>K Park</b>	1997	University of Glasgow	Usefulness of salivary cortisol measurements for assessment of stress in dogs
<b>C Parratt</b>	2000	University of Bristol	Investigation of behaviour of suckling piglets which are allowed to multisuckle
<b>A Patterson</b>	2000	University College Scarborough	An investigation of seal rehabilitation
<b>G Perkins</b>	2001	University of Edinburgh	The effects of light colour and intensity on the behaviour and fear responses of broilers
<b>R Perry</b>	1996	University College Dublin	The evaluation of the welfare of horses, ponies and young stock at auctions
<b>S Pollard-Williams</b>	1986	University of Cambridge	Variability of abnormal behavior in tethered sows
<b>C Preston</b>	1995	University of Liverpool	Risk factors associated with hoof lesion in lame dairy cattle
<b>L Quirey</b>	1999	Queen's University Belfast	The effect of enclosure size on the behaviour and physical characteristics of the corn snake
<b>N Rafiq</b>	1998	University of Central Lancashire	Dynamic aspects of calcium signalling in cryopreserved cells
<b>S Riemer</b>	2005	Anglia Polytechnic University	Changes in behaviour of rabbits on entering a shelter environment - a welfare issue?
<b>J Ripley</b>	1992	University of Aberdeen	Thermal comfort of sows in straw bedded yards in relation to the Autumn infertility syndrome

<b>V Robertson</b>	1992	University of Edinburgh	Effect of orientation within the horse box on behavior and heart rate of horses during transport
<b>N Robinson</b>	2005	Royal Veterinary College, London	A study of swim circling and sucking stereotypies in Californian sea lions ( <i>Zalophus californianus</i> )
<b>J Rodgers</b>	1997	University of Birmingham	Welfare assessment of Schedule 1 and novel methods of rat euthanasia
<b>KJ Rose</b>	1985	University of Bristol	A comparison of day sow behavior in two commercial dry sow housing systems
<b>D Roy</b>	1991	University of Southampton	Environmental enrichment for cats in rescue centres
<b>C Ruschak</b>	1998	University of St Andrews	Social learning in chimpanzees ( <i>Pan troglodytes</i> ) - its implications for rehabilitation and treatment of captive populations
<b>JM Russ</b>	1995	University of Aberdeen	Bat distress calls: structure, function and implications for welfare
<b>K Ryan</b>	2000	University of Aberdeen	Effect of pre-natal nutrition up to 110 day gestation on hoof tissue development of sheep
<b>RA Saunders</b>	1991	University of Liverpool	An investigation into the effects of different patterns of food dispensing on stereotypic behaviour in the surrogate ( <i>Suricata suricatta</i> )
<b>A Schmidt</b>	2001	Royal Veterinary College, London	The control of gastrointestinal nematodes in horses in the Yucatan, a tropical area of Mexico
<b>G Scott</b>	1996	Scottish Agricultural College, Auchincruive	The fear levels after transport of hens from cages and free-range systems
<b>JEC Sedgwick</b>	1988	London Hospital Medical College	Husbandry, behavior and oestrus cycle of <i>Monodelphis domestica</i>
<b>J Selby</b>	1991	University College Wales, Aberystwyth	Preferred substrate for penned laboratory rabbits
<b>J Sergeant</b>	2001	University of Lincoln	A study of the behavioural response of the ridden horse to a Dutch gag bitted bridle, a single-jointed eggbutt snaffle bitted bridle and the bitless bridle
<b>A Sinclair</b>	1992	Scottish Agricultural College	Assessment of a multisucking system to enhance sow and piglet welfare
<b>F Skiera</b>	1992	University College London	Can the presence of mirrors attenuate the adverse effects of isolation housing in rats
<b>D Smith</b>	1989	University of Southampton	Sociality and behavior in rescued cats
<b>D Smith</b>	1990	University of Southampton	Behavioural aspects of the welfare of rescued cats
<b>E Smith</b>	1992	Royal Veterinary College, London	The effects of contrasting methods of controlling skin parasites on heart rate and plasma cortisol concentration
<b>J Smith</b>	1997	Brackenhurst College	A comparative study to evaluate the occurrence of stress induced injuries related to the way in which horses are isolated in paddocks as opposed to in groups
<b>M Solberg</b>	2005	Oxford Brookes University	Social bonds and dominance hierarchies in captive groups of bonobos ( <i>Pan paniscus</i> ): How important is the mother-son bond in bonobo Society, and what are the implication for welfare in captivity?
<b>N Spencer</b>	1998	University of Aberdeen	Influence of boat disturbance on bottlenose dolphin acoustic behaviour
<b>M Spink</b>	1993	Oxford Brooks University	An investigation of environmental enrichment behavior in servals ( <i>Felis serval</i> ) with consideration of captive animal management programmes
<b>M Stamm</b>	1990	University College Dublin	Behaviour of twin-bearing cows at calving
<b>J Stamp</b>	2000	University of Edinburgh	Stone chewing in outdoor pigs: A stereotypy arising from food restriction and frustrated foraging or boredom due to lack of novelty?
<b>C Stansfeild</b>	1990	Bolton Institute of Higher Education	The effects of cage-type on the behavior of captive chimpanzees ( <i>Pan troglodytes</i> )
<b>E Stone</b>	2004	Manchester Metropolitan University	Evaluation of a captive yellow baboon reintroduction programme in Lunga Luswishi Game Management Area, Kafue National Park, Zambia

<b>D Stratford</b>	1995	University of Manchester	Investigation of the possible causes and prevention of eye infections in domestic ducks: Is there a link between the depth of water provided, and the incidence of such infections in ducks?
<b>C Sutton</b>	2001	University of Southampton	The relationship between behavioural change in domestic cats subsequent to a period of time in a boarding cattery, and the behavioural response to stress during the period of boarding
<b>N Swannie</b>	1991	University of Glasgow	A quantitative analysis of the effects of behavioural enrichment techniques on the Asiatic black bear ( <i>Selenarctos thibetanus</i> ) behaviour at Glasgow Zoo Park
<b>F Tattersall</b>	1987	University of Southampton	The effects of environmental complexity on the behavior of captive leopards ( <i>Panthera pardus</i> )
<b>A Tinarwo</b>	2003	University of Edinburgh	Discrimination of temporal events by hens
<b>S Wallace</b>	2004	Scottish Agricultural College	The effects of breeding and other environmental factors on the incidence of ovine foot rot and the susceptibility of <i>Fusobacterium necrophorum</i> and <i>Dichelobacter nodosus</i> to essential oils
<b>N Waran</b>	1987	University of Cambridge	Use of self-feeding silage system by dairy cows
<b>E Ward</b>	2003	Harper Adams University College	Monitoring stress in cats housed in rescue shelters using a non-invasive technique
<b>S Ward</b>	2004	Liverpool John Moores University	The influence of stockmanship and personalities of different mammal keepers on the behaviour of trained, partially-trained and untrained black rhinos
<b>S Warttig</b>	1992	University of Bristol	The effects of head restraint during stunning on the stress responses in slaughter cattle
<b>K Watson</b>	2004	Scottish Agricultural College	Effects of tagging at birth on lamb weights, lamb losses and disease incidence
<b>D Wells</b>	1991	Queen's University Belfast	The behavior of dogs in a USPCA shelter
<b>K Wendlandt</b>	1987	University of Edinburgh	A comparative study on rats kept in normal and metabolic cages
<b>SP Wensley</b>	2000	University of Liverpool	The welfare implications of manipulating social groups of caged zebra finches ( <i>Poephila castanotis</i> )
<b>K Westwood</b>	2001	University of Edinburgh	Learning and memory: improving welfare of hatchery reared rainbow trout
<b>L Whistance</b>	2002	University of Lincoln	Investigating the behavioural consequences of positive handling of preparturient heifers prior to introduction to a dairy herd
<b>L Wicks</b>	1983	University of Aberdeen	Nest box use by the laying hens
<b>KJ Wilson</b>	1985	King's College London	An investigation into the ultrasonic properties of laboratory and animal house ambient noise
<b>J Windham</b>	1999	University of Glasgow	Does attaching bells to domestic cats reduce their predatory threat to wildlife
<b>Wright</b>			
<b>A Wolfe</b>	1999	University of Glasgow	An assessment of mixed species housing as a method of enriching the social environment of laboratory rabbits and guinea pigs
<b>T Woollard</b>	1986	University of St Andrews	An investigation into ways of reducing headfly ( <i>Hydrotaea irritans</i> ) irritation in farmed red deer ( <i>Cervus elephus</i> )
<b>CM Worrall</b>	1990	Bath College of Higher Education	The welfare of captive reptiles: The optimum lighting for observation of nocturnal reptiles
<b>C Wyse</b>	1995	University of Liverpool	The muzzle twitch as a method of restraint in the horse
<b>F Xiao</b>	2005	University of Bristol	Drive for information: Preference for variability in rats and possibility of a novel environment enrichment
<b>J Young</b>	2001	University of Wales, Aberystwyth	Maximising welfare in relation to light intensity for fish in behavioural experiments

<b>L Young</b>	1993	University of Glasgow	Effect of music as a stimulus to relieve boredom in kennelled dogs
<b>B Yuksel</b>	2005	University of Lincoln	Behaviour of ducklings in commercial and outdoor housing systems