

<u>Subject</u>	<u>Summary title – Issue #</u>
<u>Companion animals</u>	<p data-bbox="658 831 730 863"><b>Dogs</b></p> <ul style="list-style-type: none"> <li>• Aggressive characteristics of dogs and risk factors for dog bites in domestic households: <b>1, 23</b></li> <li>• Anti-barking muzzles for dogs: <b>9</b></li> <li>• Behavioural problems in dogs: <b>2, 22, 23</b></li> <li>• Behavioural rehabilitation of shelter dogs: <b>21</b></li> <li>• Biting: <b>20</b></li> <li>• Bones as enrichment: <b>26</b></li> <li>• Canine adoption: <b>7</b></li> <li>• Canine aggression: <b>22</b></li> <li>• Canine anxieties and phobias: <b>22</b></li> <li>• Do citronella spray collars reduce barking?: <b>1</b></li> <li>• Dog ownership in Australia: <b>7, 22, 25</b></li> <li>• Dog training methods: <b>8</b></li> <li>• Effect of early development on dog temperament : <b>3, 18</b></li> <li>• Effect of scents on the behaviour of shelter dogs: <b>11</b></li> <li>• Environmental enrichment for kennelled dogs: <b>9, 22</b></li> <li>• Health benefits of dog ownership: <b>15</b></li> <li>• Human contact can reduce stress in shelter dogs: <b>13</b></li> <li>• Legislation concerning aggressive dog breeds: <b>21</b></li> <li>• Mental health: <b>22</b></li> <li>• Pedigree dog welfare: <b>27</b></li> <li>• Play and the dog-human relationship: <b>2</b></li> <li>• Prediction of problem behaviour in dogs after adoption from animal shelters: <b>1</b></li> <li>• Problems with pedigree dogs: <b>14, 18</b></li> <li>• Puppy school and retention of dogs in the home: <b>8, 17, 22</b></li> <li>• Shock collars: <b>9, 14, 16</b></li> <li>• Tail docking in dogs: <b>6</b></li> <li>• Temperament tests: <b>15, 18</b></li> <li>• Thunderstorm-phobia in dogs: <b>12</b></li> <li>• Treatment of separation anxiety in dogs: <b>11, 17</b></li> <li>• What happens to shelter dogs?: <b>9</b></li> </ul>

	<p><b>Cats</b></p>	<ul style="list-style-type: none"> <li>• Cat fear and anxiety: <b>22</b></li> <li>• Cat housing in rescue shelters: <b>6, 16</b></li> <li>• Cat behavioural therapy: <b>21</b></li> <li>• Introducing children and other pets to new pets: <b>22</b></li> <li>• Obesity: <b>23</b></li> <li>• Rabbit welfare: <b>27</b></li> <li>• Requirements of domestic cats kept indoors: <b>12</b></li> </ul>
	<p><b>General</b></p>	<ul style="list-style-type: none"> <li>• Feather-damaging behaviour in parrots: <b>27</b></li> <li>• Horses: Pain <b>26</b></li> <li>• Music in shelters: <b>4</b></li> <li>• Noise in the animal shelter environment: <b>14</b></li> <li>• Pet behavioural problems: <b>22</b></li> <li>• Pets and human health: <b>23</b></li> <li>• Vet training at animal shelters: <b>22</b></li> </ul>
<p><b><u>Farm animals</u></b></p>	<p><b>Cattle</b></p>	<ul style="list-style-type: none"> <li>• Anaesthesia in the dehorning of calves: <b>11</b></li> <li>• Dairy cattle: <b>23, 26</b></li> <li>• Enrichment devices for feedlot cattle: <b>3</b></li> <li>• Religious slaughter in cattle: <b>15</b></li> <li>• Shade: <b>23</b></li> <li>• Tail docking in dairy cattle: <b>4</b></li> <li>• Virtual fences: <b>25</b></li> </ul>

	<p><b>Pigs</b></p>	<ul style="list-style-type: none"> <li>• Aggression in pigs: <b>22</b></li> <li>• Behavioural and welfare considerations for individually housed pigs: <b>5</b></li> <li>• Breeding out stress in pigs: <b>4</b></li> <li>• Castration in pigs: <b>6, 14, 22, 23</b></li> <li>• Environmental conditions and gilt behaviour: <b>9</b></li> <li>• Environmental enrichment for pigs: <b>9, 13, 15, 19, 23</b></li> <li>• Feeding programmes for pigs: <b>3</b></li> <li>• Indoor housing for sows and their litters: <b>3</b></li> <li>• Nose ringing and exploratory behaviour in gilts: <b>5</b></li> <li>• Pig welfare: <b>23</b></li> <li>• Piglet crushing: <b>11</b></li> <li>• Piglet socialisation: <b>27</b></li> <li>• Providing pigs with straw reduces aggressive behaviour: <b>3, 16</b></li> <li>• Sow behaviour in outdoor farrowing huts: <b>6</b></li> <li>• Sow preferences for walls to lean against when lying down: <b>12</b></li> <li>• Space requirements in pigs: <b>6</b></li> <li>• Tail biting in pigs: <b>6</b></li> <li>• Tooth clipping in piglets: <b>8, 10, 14</b></li> <li>• Weaning: <b>18</b></li> </ul>
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	<p><b>Poultry</b></p>	<ul style="list-style-type: none"> <li>• Broiler hen welfare: <b>1, 3, 7, 8, 11, 23, 24, 25</b></li> <li>• Broiler watering systems: <b>20</b></li> <li>• Cannibalism: <b>19</b></li> <li>• Controlled atmosphere stunning/killing: <b>15, 19, 22</b></li> <li>• Dustbathing: <b>4, 14</b></li> <li>• Effect of mothering on chicken behaviour: <b>2</b></li> <li>• Factors influencing vent pecking in layer hens in alternative systems: <b>1</b></li> <li>• Feather pecking: <b>1, 2, 10, 19, 26</b></li> <li>• Foie gras: <b>25</b></li> <li>• Health: <b>24</b></li> <li>• Layer hen welfare: <b>1, 3, 19, 24</b></li> <li>• Public expectations of broiler welfare: <b>20</b></li> <li>• Slaughter: <b>17</b></li> <li>• Space requirements of meat turkeys: <b>4</b></li> <li>• Stocking density: <b>26</b></li> <li>• Water for ducks: <b>22</b></li> <li>• Welfare implications of deflighting procedures in captive birds: <b>1</b></li> </ul>
	<p><b>Sheep</b></p>	<ul style="list-style-type: none"> <li>• Assessment of pain and welfare in sheep: <b>13, 25</b></li> <li>• Body temperature as a measure of stress in sheep: <b>3</b></li> <li>• Castration analgesia: <b>26</b></li> <li>• Emotion: <b>26</b></li> <li>• Flooring for housed rams: <b>16</b></li> <li>• Forces involved with dragging sheep: <b>5</b></li> <li>• Malnutrition and sheep mortality during drought: <b>14</b></li> <li>• Lamb mortality: <b>26</b></li> <li>• Mulesing: <b>17, 21, 22, 24, 25</b></li> <li>• Pain relief for newborn lambs before castration and tail docking: <b>1</b></li> </ul>

	<p><b>General</b></p>	<ul style="list-style-type: none"> <li>• Animal-based assessment of animal welfare: <b>26</b></li> <li>• Animal welfare and the food chain: <b>23</b></li> <li>• Assessment of farm animal welfare: <b>8, 17, 27</b></li> <li>• Assessment of mass-produced farm animal housing: <b>5</b></li> <li>• Attitudes to culling: <b>26</b></li> <li>• Beliefs, attitudes and behaviour of abattoir personnel: <b>7</b></li> <li>• Can fish suffer?: <b>11, 16, 19, 22</b></li> <li>• Characteristics of a good guard llama: <b>4</b></li> <li>• Environmental issues: <b>24</b></li> <li>• Food safety: <b>27</b></li> <li>• Genetics and animal welfare: <b>22</b></li> <li>• Housing: <b>17</b></li> <li>• How can farm animal welfare be improved?: <b>2, 17, 23</b></li> <li>• Importance of the human-animal relationship for the welfare of farmed animals: <b>13, 17</b></li> <li>• Legislation: <b>18</b></li> <li>• Maternal deprivation: <b>18</b></li> <li>• Optimal group sizes for farm animals: <b>16</b></li> <li>• Pain in crustaceans: <b>24</b></li> <li>• Rabbits, farmed: <b>27</b></li> <li>• RSPCA UK Freedom Food scheme: <b>8</b></li> <li>• Shelter: <b>18</b></li> <li>• Slaughter: <b>21, 22, 27</b></li> <li>• Stockmanship: <b>17</b></li> <li>• Vocalisation in farm animals as a measure of welfare: <b>12</b></li> <li>• Welfare of non-traditional farm animals: <b>14</b></li> </ul>
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<p><b><u>Animals used for sport, entertainment, recreation and work</u></b></p>	<p><b>Horses</b></p>	<ul style="list-style-type: none"> <li>• Attitudes towards pain in horses: <b>5</b></li> <li>• Crib-biting and gastric inflammation in young horses: <b>5</b></li> <li>• Effect of diet on behaviour and physiology: <b>24</b></li> <li>• Effects of stabling conditions on the social behaviour of stallions: <b>2, 26</b></li> <li>• Equitation science: <b>19</b></li> <li>• Foraging enrichment for stabled horses: <b>12</b></li> <li>• Pain: <b>26</b></li> <li>• Punishment: <b>27</b></li> <li>• Racehorse injuries in the UK: <b>2</b></li> <li>• Racehorse fatalities: <b>19</b></li> <li>• Response to bitless bridles: <b>26</b></li> <li>• Self-mutilation: <b>22</b></li> <li>• Stereotypic behaviours: <b>18</b></li> </ul>
	<p><b>Zoo animals</b></p>	<ul style="list-style-type: none"> <li>• A review of environmental enrichment and aggression in primates: <b>13</b></li> <li>• Aggression in chimpanzees: <b>20</b></li> <li>• Aquatic zoos: <b>10</b></li> <li>• Carnivore home range: <b>7</b></li> <li>• Effect of zoo visitor numbers on stress in captive spider monkeys: <b>11</b></li> <li>• Human- animal relationships in zoos: <b>18</b></li> <li>• Stress in captive gorillas: <b>22</b></li> <li>• Tiger transport: <b>7</b></li> <li>• Training zoo animals: <b>9</b></li> </ul>
	<p><b>General</b></p>	<ul style="list-style-type: none"> <li>• Animal-assisted therapy: <b>24</b></li> <li>• Pain in fish: <b>22, 25</b></li> <li>• Working dogs: <b>24, 25</b></li> </ul>

<b><u>Research animals</u></b>	<b>Lab animals</b>	<ul style="list-style-type: none"> <li>• Assessing pain in lab animals: <b>6</b></li> <li>• Attitudes to the use of animals in research: <b>26</b></li> <li>• Compassion for lab animals: <b>7</b></li> <li>• Effect of handling on laboratory rabbit behaviour: <b>24</b></li> <li>• Environmental enrichment: <b>26</b></li> <li>• Ethics of pain research: <b>24</b></li> <li>• Euthanasing rats/mice: <b>25, 27</b></li> <li>• Evaluation and treatment of pain in rats and mice: <b>7</b></li> <li>• Hair loss in captive macaques: <b>25</b></li> <li>• Laboratory animal stress induced by laboratory conditions: <b>11, 18, 20, 22</b></li> <li>• Maternal behaviour: <b>22</b></li> <li>• Stress in lab birds: <b>21</b></li> <li>• Training primates: <b>17</b></li> <li>• Weaning rodents early: <b>17</b></li> <li>• What do rats want in a cage?: <b>4, 25</b></li> </ul>
	<b>GM animals</b>	<ul style="list-style-type: none"> <li>• Simplified method for producing transgenic animals: <b>4</b></li> <li>• Welfare of genetically modified animals: <b>10</b></li> <li>• Welfare of transgenic pigs: <b>6</b></li> </ul>
	<b>General</b>	<ul style="list-style-type: none"> <li>• Animal welfare science: <b>13</b></li> <li>• Ethics committees: <b>3</b></li> <li>• Exploring the inter-relationship between health, welfare and behaviour: <b>13</b></li> </ul>

**Wildlife**

- 1080 poisoning: **10, 19**
- Assessment of stress in non-human primates: **12**
- Bait acceptability: **6**
- Bait outcomes: **6**
- Contraception: **17**
- Counting feral horses: **4**
- Effectiveness of ROO- guards: **9**
- Elephant management in zoos: **15, 16, 20, 25**
- Estimate of marine mammal bycatch in U.S and global fisheries: **13**
- Feral cats: **22**
- Fox baiting and quolls: **7**
- Fox control: **10**
- Group housing of mammals in captivity: **14**
- Humane vertebrate pest control: **5, 9**
- Illegal trade: **23**
- Magpie management: **7**
- Maintaining behavioural diversity in captivity: **5**
- Pest birds, euthanasia: **27**
- Protecting wildlife from owned cats: **17**
- Rehabilitation and release of injured wildlife: **2**
- Sea gull deterrence: **20**
- Stereotypic behaviour in captive wombats: **14**
- Tranquiliser trap for dingoes: **10**
- Translocated squirrels: **8**
- Wildcats and dingoes: **8**
- Zoos: **26**

<p><b><u>Transportation of animals</u></b></p>	<ul style="list-style-type: none"> <li>• Air transport and horses: <b>6</b></li> <li>• Bobby calf welfare during transportation: <b>11</b></li> <li>• Cattle transport from Australia: <b>7</b></li> <li>• Effect of journey and lairage time on steers: <b>6, 19</b></li> <li>• Food and water deprivation before livestock transport: <b>20</b></li> <li>• Head height and stocking density requirements for sheep in transit: <b>2</b></li> <li>• Hens and transport stressors: <b>5</b></li> <li>• Long distance transport of livestock for slaughter: <b>16, 20, 21</b></li> <li>• Pig transport: <b>19</b></li> </ul>
<p><b><u>Humane killing</u></b></p>	<ul style="list-style-type: none"> <li>• Blood loss after religious slaughter or stunning: <b>10</b></li> <li>• Carbon dioxide for euthanasia: <b>15</b></li> <li>• Chicken stunners: <b>4</b></li> <li>• Comparison of the humaneness of methods used for killing fish: <b>4</b></li> <li>• Indicators of death in cetaceans: <b>8</b></li> <li>• Religious slaughter: <b>17, 22, 24</b></li> <li>• Stunning fish: <b>4, 8</b></li> </ul>
<p><b><u>Miscellaneous</u></b></p>	<ul style="list-style-type: none"> <li>• Animal cruelty and child abuse: <b>16</b></li> <li>• Animal sentience: <b>15, 18</b></li> <li>• Animal training: <b>20</b></li> <li>• Animal Welfare Forum: <b>8</b></li> <li>• Animal welfare science: <b>27</b></li> <li>• Animals and the law: <b>20</b></li> <li>• Assessing pain in animals: <b>3, 23</b></li> <li>• Confinement: <b>20</b></li> <li>• Global animal welfare: <b>20, 24</b></li> <li>• Is pain special?: <b>8</b></li> <li>• Reducing pain associated with animal husbandry procedures: <b>2, 23</b></li> <li>• Science in the Service of Animal Welfare: <b>8</b></li> </ul>