

Humane Slaughter Association

Annual Report 2021–2022



Caring beyond
the farm gate



“HSA was ahead of the game in funding research into the humane slaughter of crustaceans and cephalopods several years before the UK government legally acknowledged their sentience in 2022.”

Welcome from our Chief Executive

Welcome to this year’s HSA annual report. It has been another eventful year for us. In 2021–22 we began to resume many of our activities which had been curtailed by the COVID-19 pandemic. I’m delighted that our dedicated and expert staff are back on the road providing advice and training to the livestock industries. Their work makes an enormous difference to animal welfare during transport, at market and during slaughter. We also held our conference in Edinburgh (and online) allowing us to share the latest developments in humane transport and slaughter with colleagues from around the world.

I’m also delighted that our funding for scientific research is proving to be so timely. As you’ll read in this report, the HSA was ahead of the game in funding research into the humane slaughter of crustaceans (crabs and lobsters) and cephalopods (octopus and squid) several years before the UK government legally acknowledged their sentience in 2022. As this research produces results over the upcoming years, we expect it to lead to fundamental improvements to the welfare of crabs, lobsters, octopus and squid – species which are often slaughtered without humane stunning. We will continue to urge governments to go beyond simply acknowledging that crustaceans and

cephalopods are sentient and move towards providing specific requirements that they are slaughtered and transported humanely.

I hope you enjoy reading about these and the many other activities we have been involved with over the year.

All of this work is not cheap – the research we fund costs millions of pounds. Even funding a short student project costs over £2,000. We can’t do any of this without support from our members and donors. Please consider making a donation or becoming a member of the HSA if you aren’t already. Your support will allow us to continue to keep making a fundamental difference to the welfare of millions of animals around the world.

Thank you.

Dr Huw Golledge
Chief Executive
& Scientific Director



Chairman’s comment

Welcome to the 2021–22 Humane Slaughter Association annual report.

Much of what we do at the HSA involves working with the livestock industry and animal welfare scientists globally to deliver training and advice on the welfare of animals during transport and at slaughter. The cancellation of events and restrictions on movement throughout the pandemic meant that we had to adapt and evolve the ways in which we deliver on our core goals. Whilst some of these changes allowed us to reach a truly international audience, we were pleased to be able to return to more in-person events during the past year.

This summer, HSA staff attended several agricultural shows and events, promoting the work of the charity and providing advice and guidance to both new and existing supporters. You can read more about the shows on page 7.

On page 4, you can read about the HSA International Conference 2022 which was held in-person in Edinburgh in June/July. For those who were unable to travel to Scotland, the talks were also live-streamed, ensuring that the latest scientific evidence reached a

global audience. This was the first such event that the charity has held in seven years, and featured updates on several HSA-funded projects. I attended the meeting in person and was delighted to witness first-hand the quality of the important presentations outlining the latest developments in humane slaughter, as well as the enthusiasm of the delegates.

Of course, none of what we do would be possible without the support of our members and donors. Thank you for your continued support.

Mike Radford
Chair of Trustees

“I was delighted to witness first-hand the quality of the important presentations outlining the latest developments in humane slaughter.”

Contents

- 4** HSA International Conference 2022: Livestock Welfare during Transport, Marketing & Slaughter
- 6** News and events
- 8** Training courses
- 10** Providing expert independent advice
- 11** Technical information and advice
- 12** Research funding
- 14** Appeal news
- 16** Legacy giving
- 17** How you can help HSA
- 18** Administration and finance
- 20** Legal and administrative information



HSA International Conference 2022: Livestock Welfare during Transport, Marketing & Slaughter

The HSA held its first international conference in seven years on 30th June and 1st July 2022 at The Royal College of Physicians in Edinburgh, where we were joined by 106 in-person delegates from 16 countries. Talks were also live-streamed, meaning that a further 234 delegates from 32 countries could attend online. The recordings of all talks at the conference can be viewed on our YouTube channel [tiny.cc/HSA2022](https://www.youtube.com/channel/UCtjycc/HSA2022)

The conference programme included six sessions covering the welfare of animals during transport and the pre-slaughter period, the welfare of animals during stunning, slaughter and killing, and novel developments. The conference also included a special focus on the welfare of aquatic species at slaughter, including progress updates from three research groups who collectively received £1.93 million funding from the HSA to develop and validate humane stunning techniques for species which currently lack them. This includes crustaceans (crabs and lobsters; **Ragnhild Aven Svalheim**, Nofima, Norway), cephalopods (octopus and squid; **Giovanna Ponte**, CephRes, Italy) and neglected finfish species (including Nile tilapia, Pangasius, gilthead sea bream, yellowtail; **Jimmy Turnbull**, University of Stirling, UK).



106
In-person delegates
from 16 countries



234
Online delegates
from 32 countries



3
Keynote
speakers



24
Submitted
talks

Whilst many commonly farmed fish species are routinely stunned, and work is ongoing to develop humane stunning for other farmed species as discussed, the vast majority of wild-caught fish, amounting to billions of animals every year, are not humanely stunned. Another fascinating talk at the meeting came from **Nilantha Jayasuriya** of Harper Adams University in the UK. Nilantha and colleagues have been undertaking a research project, again funded by the HSA, to look at the feasibility of adopting on-boat humane stunning for wild-caught fish. The project includes an overview of the current extent of the fishing industry, as well as the creation of a systematic review of all available research into methods for humanely stunning fish on-boat. The project, which is approaching completion, will provide an overview of the feasibility of on-boat stunning and identify which species and geographical fishing areas might be most amenable to adoption of on-boat stunning. As Nilantha outlined at the meeting, the study has identified key priorities for future research and development which we hope will drive progress in this crucial area where there is scope to drastically improve the welfare of innumerable animals.

In addition to the submitted presentations, 3 keynote speakers gave talks on a wide range of topics:

Claire White (National Farmers Union (NFU), UK) explained the development and application of the Demonstration of Life (DoL) protocol, an assurance framework for stunned halal slaughter. Most halal certification bodies in the UK recognise reversible stunning methods, such as electrical stunning, in their assurance standards. In England and Wales, around 70% of sheep are slaughtered by halal methods, and just under one-third of these are not stunned. Adoption of a DoL protocol in the UK, as currently practised in New Zealand, which assures recoverability of head only stunning, would lead to more halal slaughtered animals being stunned.

“In England and Wales, around 70% of sheep are slaughtered by halal methods, and just under one-third of these are not stunned.”

Bob Elwood (Queen’s University Belfast, UK) spoke about pain and suffering in decapods. It has long been thought that crustaceans, such as crabs and prawns, could not experience pain and that their responses to something painful were mere reflexes. Bob Elwood’s research has shown that crabs can learn to avoid painful situations, and actively choose environments that are not associated with pain. This fascinating work played a pivotal role in the inclusion of crustaceans in the newly adopted UK Sentience Act.

Will Jackson (Agriculture and Horticulture Development Board (AHDB), UK) gave a talk about how to meet the needs of consumers in an evolving market. He informed the audience that for the average consumer in the UK, concerns about both the environment and animal welfare are rising. Consumers claim that animal welfare is more important than where the product is from. However, when purchasing, these concerns drop further down the list, after taste, quality and not least, price. The consumer knowledge of production methods is often minimal, absent or distorted, said Will, and the livestock sector must satisfy consumer desires for strong product credentials across health, environment and animal welfare.

Attendees also heard from **Dr Mette S Herskin**, a Senior Researcher in the Department of Animal Science at Aarhus University, Denmark, who was the recipient of the 2022 Humane Slaughter Award. The award recognises individuals or organisations that have made major scientific advances in the welfare of livestock during transport, marketing and slaughter, or killing for disease control. Dr Herskin received the award for her drive to advocate evidence-based changes and improvements to animal welfare during transport, lairage and slaughter. In particular, her focus on welfare during transport to slaughter provides significant opportunities to improve animal welfare. You can read more about Dr Herskin’s work at [hsa.org.uk/humaneslaughteraward](https://www.hsa.org.uk/humaneslaughteraward)



Dr Mette S Herskin receiving the 2022 Humane Slaughter Award.

News and events

The Animal Welfare (Sentience) Act: What's next?

This year saw the passage of the Sentience Bill into UK law as the Sentience Act. This important piece of legislation acknowledges that vertebrate animals are sentient (capable of having feelings, both positive and negative) and mandates that ministers pay “all due regard” to their welfare. The act also acknowledges, for the first time, that some invertebrates are sentient, including decapod crustaceans such as crabs, lobsters and prawns and cephalopod molluscs (octopus and squid). The HSA is delighted to see the inclusion of these invertebrate species. Both crustaceans and cephalopods are consumed in significant numbers, and we have long been concerned about their welfare during transport and slaughter. In 2020 we awarded over £1 million in research funding for the development of humane and practical stunning methods for octopus, squid, crabs and lobsters. Typically, at present, these species are killed without humane stunning.

The research projects are progressing well and making significant progress towards the development of methods



which could allow the large-scale humane stunning and slaughter of crustaceans and cephalopods. The research groups working on these projects presented an update on their work at our conference in Edinburgh in July. You can read more about these projects on pages 4–5.

Once complete, the research will provide invaluable information which can be used to ensure that these animals are offered a humane death. We also hope that the research will lead to better legal protections for cephalopods and crustaceans, ideally laws or regulations which mandate the use of validated humane stunning methods, protections which are already in place for vertebrate livestock.

Production of Chinese e-learning on humane slaughter and transport

The HSA has a long-standing programme of work to promote humane slaughter in China – the largest consumer of meat in the world. Our original plan was for HSA staff to visit China to liaise with Chinese colleagues and to give talks at agricultural and veterinary universities, and for Chinese representatives to visit the UK to see high welfare slaughter processes in the UK. Sadly, travel between China and the UK has remained effectively impossible since the start of the COVID-19 pandemic. Nonetheless, our plans remain in place and we will resume this project as soon as conditions allow.

In the meantime, we have continued to work with Chinese colleagues through various online mediums including conference presentations to Chinese audiences and virtual meetings, to provide advice to Chinese slaughterhouses on technical aspects of their operations. Most recently we have been working on the development of an online e-learning module which explains the basic principles of humane slaughter and transport of livestock. The module is aimed at veterinary and animal sciences undergraduates in Chinese universities. Narrated by our Chinese partners, the module will be freely accessible online and will allow students (and anyone

else who is interested) to study the fundamental principles of humane stunning, slaughter and transport of the livestock species commonly slaughtered in China. Importantly the module also covers the principles of humanely killing large numbers of animals in the event of a disease outbreak necessitating a cull.



Killing for disease control guidelines in association with UNFAO and EuFMD

As we reported in the Spring Newsletter, we have been working with the Food and Agriculture Organisation of the United Nations (UNFAO) and the European Commission for the Control of Foot and Mouth Disease (EuFMD) to develop guidance on the humane killing of animals for disease control purposes.

In situations where contagious diseases such as foot and mouth disease (FMD) and avian influenza (AI) are found on premises, animals must be killed on-farm quickly to stop the disease from spreading. It is therefore of paramount importance that such guidance documents are readily available to help with planning and preparation ahead of an emergency, in addition to providing practical guidance on stunning and killing methods for use in emergency situations. It is hoped this guidance will be translated into other languages to ensure a wider-reaching impact.

The HSA will continue to collaborate with other organisations to ensure animal welfare is protected during such depopulation exercises.

Shows and exhibitions

Exhibiting at agricultural shows and events allows us to highlight our work to new and existing supporters, from smallholders keeping a few of their own animals, to large-scale farmers and producers.

During the past couple of years many shows have been postponed or cancelled due to the COVID-19 pandemic. This year, however, we were able to return to business as usual and exhibited at several events, including:

- **English Winter Fair, November 2021**
- **British Pig and Poultry Fair, May 2022**
- **Smallholding and Countryside Festival, May 2022**
- **National Beef Association (NBA) Beef Expo, May 2022**
- **NSA Sheep, July 2022**



The NSA Sheep Event was particularly well attended, and we had many enquiries relating to a change in legislation for the on-farm humane killing of neonate pigs, goats and sheep in addition to enquiries about our poultry training courses.

Your next chance to meet us will be at the English Winter Fair at Staffordshire County Showground on the 19th and 20th November 2022.

Training courses

Our expert staff regularly deliver training, allowing them to promote best practice to a range of trainees who are directly involved in slaughter or emergency killing of livestock, resulting in real improvements to the welfare of many thousands of animals at slaughter. This includes practical, hands-on training in slaughter and emergency killing methods, as well as lectures and classroom training delivered to diverse audiences.

Poultry slaughter training and assessment

Since October 2021, the HSA's Technical Director, Charlie Mason, has delivered three poultry slaughter training courses for smallholders and seasonal producers: two in Sussex and one in Worcestershire. The courses cover the capture, handling, restraint, stunning and slaughter of domestic fowl using hand-held, electrical stunning tongs and non-penetrating captive-bolt equipment.

Each course comprises two parts: the first is a morning classroom session covering the theory of restraint, stunning and slaughter of all commercial poultry species; the second is an afternoon practical session, during which trainees get hands-on experience until they are competent. Upon completion of the course, attendees are assessed for a Welfare of Animals at the Time of Killing (WATOK) Licence by the Animal and Plant Health Agency (APHA).

So far this year, a total of 11 delegates successfully completed the training and subsequent assessment by APHA vets. Another course is scheduled for 31st October 2022 in East Sussex, UK, and is now fully subscribed. It is important that those wishing to carry out seasonal poultry slaughter for the Christmas season book this training early to ensure they are assessed as competent in good time. To find out more, or to enquire about training, please visit hsa.org.uk/training-education

Lectures and teaching

As well as practical training in humane slaughter and killing, our staff also regularly share their expertise through lectures to industry groups, veterinary schools, university courses and others. This year, we have delivered animal welfare lectures/training to students at the Universities of Cambridge (Veterinary Science) and Edinburgh (MSc); the Association of Meat Inspectors (AMI) webinar; Food Standards Scotland; the Veterinary Public Health Association (VPHA) webinars; Wishaw Abattoir staff and livestock hauliers at Woodhead Bros.

In addition to the above training, our technical staff delivered two online refresher courses for APHA veterinary officers during the UK pig industry crisis. Many healthy pigs had to be culled on-farm due to an acute lack of abattoir workers to slaughter and process the animals. The culling of surplus, but otherwise healthy, animals does not constitute emergency killing, unless the Government was to declare it an emergency. Individuals carrying out non-emergency killing are required to obtain a WATOK licence from APHA veterinary officers. The situation resulted in a



Photo © M Farish SRUC

surge of applications for WATOK licences from pig industry workers. The HSA delivered the refresher courses covering captive-bolt stunning, pithing and bleeding; the use of firearms and shotguns; mechanical blunt-force trauma for neonates; and a checklist of critical points to look for during the assessments to support APHA staff and ultimately, the wider pig industry.



Practical training

Since October 2021, our technical staff have delivered hands-on training to staff at Karro Foods, the Royal Veterinary College, Worcestershire Duck, Quality Meat Scotland (QMS), Labcorp, The Goat Veterinary Society, The Ruskin Mill Trust and Dyson Farming. The training courses covered the use of firearms, captive-bolt and electrical stunning equipment.

Welfare assessments

We also offer animal welfare assessments of abattoirs and other facilities involved in the handling, transport or slaughter of farmed food animals. We provide confidential advice to the processors on the animal welfare aspects of their operation, advising where changes can be made to ensure that welfare is maximised. This year, animal welfare assessments have been undertaken for: Pilgrim's Pride (two sites), Dovecote Park, Pilgrim's UK Lamb, Gressingham Foods and H R Jasper & Son Ltd.

In February 2022, our Technical Director Charlie Mason accompanied two members of the RSPCA Farm Animals technical staff to three livestock markets. The purpose of these visits was to explain and demonstrate some of the positive animal handling facilities the HSA highlighted in its 2017/18 livestock market survey.

If you are interested in having our experts assess your facility, please visit hsa.org.uk/advice





Technical information and advice

Mobile abattoir initiative update

During the past twenty years the number of small and medium-sized abattoirs in the UK has fallen. This number continues to fall, with Glossop-based Mettrick's Butchers shutting the doors to their small abattoir for the final time in August 2022. The closure of these abattoirs has not been geographically uniform, resulting in large areas of upland livestock-rearing being devoid of such facilities. The net result of these closures is an increase in journey length (both in distance and duration) for a significant number of animals.

It is widely acknowledged that many animal welfare issues associated with the farm-to-slaughterhouse chain can occur during transport. For longer journeys, animals are often transported by hauliers which may result in handling by unfamiliar people, potential mixing of farm animals from different social groups and extended time in lairage, all of which can negatively impact an animals' welfare.

There are clear advantages to shorter journey times for animals, but there are other welfare advantages associated with small-sized abattoirs, including less time pressure due to smaller throughput. This enables lairage and slaughter staff to dedicate more time to individual animals, allowing them the time needed to move animals through the lairage calmly.

“With the number of small and medium-sized abattoirs falling, there is a need to find an alternative to protect the welfare of animals beyond the farm gate.”

With the number of small and medium-sized abattoirs falling, there is a need to find an alternative to protect the welfare of animals beyond the farm gate. In 2021, we provided advice on potential handling and lairage systems to be used in conjunction with a mobile, or pop up, abattoir based in the Cotswolds, UK. We also wrote a letter of support highlighting the animal welfare advantages associated with shorter journey times and smaller throughputs. We are delighted to announced that the mobile abattoir, operated by Fir Farm Ltd, has now been licensed for use at sites in Gloucestershire and Devon. We wish the operation every success. We were also delighted to welcome Fir Farm as a corporate member of the HSA. Corporate memberships and donations are an important way for the businesses which benefit from our advice and expertise to support our work. This cannot continue without the ongoing support of our members and donors.

Providing expert independent advice

The HSA is regularly asked by governments and other organisations, including industry, to scrutinise and comment on new legislation, proposed changes to existing legislation on transport and slaughter, as well as guidelines and best practices in these areas. Responding to these consultations gives us the opportunity to share our expertise and inform decisionmakers which, in turn, may result in real improvements to animal welfare between the farm gate and slaughter.

In 2021–2022, the HSA submitted written responses to the following:

-  Welfare of farmed fish at the time of killing (consultation by the AWC¹)
-  Revision of EU animal welfare legislation
-  Transport of live animals (for EFSA²)



¹ Animal Welfare Committee
² European Food Safety Authority

Research funding

2022 Student Scholarships

Our student scholarships provide funding for students and trainees to undertake a short project as an introduction to the use of scientific research to improve the welfare of animals during transport or killing.

They provide financial support for the student undertaking the project for up to eight weeks, alongside a small amount of funds for project expenses. These projects provide a fantastic introduction to animal welfare research and over the years have been a stepping-stone into careers in animal welfare for many participants. Without your help we couldn't continue to support students to become the next generation who will drive forward improvements in the humane treatment of food animals beyond the farm gate. Every scholarship costs at least £2,000. Please consider donating to help us support more projects like the ones detailed below.

To learn more, visit hsa.org.uk/awss

Advancing goat welfare in Pakistan

Eighty million goats are slaughtered each year in Pakistan to supply a thriving mutton market. There is no species-specific guidance or legislation to protect the welfare of animals during pre-slaughter transport in Pakistan; consequently the welfare of livestock is frequently compromised before being slaughtered.

One of this year's HSA Student Scholars, Asfa Sakhawat, is gathering information on pre-slaughter practices affecting goat welfare at abattoirs in Punjab and Sindh. Asfa, a student at the University of Veterinary and Animal Sciences, Lahore, hopes that her project will address knowledge gaps and help to focus improvements to better advance goat welfare.

Supporting abattoir staff

Joseph Tumusiime (Makerere University, Uganda) has been awarded a scholarship to explore the knowledge, attitudes and practices of animal handlers on the pre-slaughter welfare of sheep and goats in Kampala abattoirs. People working directly with animals have some of the greatest potential to affect their welfare, so this project has the potential to improve the lives of countless animals during the pre-slaughter period.

80 million goats are slaughtered each year in Pakistan



“Cattle could previously be transported for up to 52 hours, now they must be transported directly to slaughter within 12 hours.”

Investigating changes to the Canadian transport of livestock legislation

Christine Kuo (University of British Columbia, Canada) seeks to understand how the Canadian transport industry has adapted to changes in livestock legislation. Published in 2020, the updated legislation came into force in 2022 and has required significant adjustments to industry practices. For example, compromised cattle could previously be transported for up to 52 hours, now

they must be transported directly to slaughter within 12 hours. Whilst such changes are necessary to protect animal welfare they may result in logistical challenges. Christine's project seeks to identify and, ultimately, help address any issues that have arisen in order to allow hauliers to comply with legislative changes and safeguard animal welfare.

Grants awarded

The HSA Research, Project & Travel Grants are aimed at improving or better understanding food animal welfare during transport, marketing, slaughter and killing for disease control and welfare reasons.

In 2021–22, we supported Eugénie Duval from the University of British Columbia, Canada to carry out a project entitled 'Farm animal transportation regulations: Time for a change?'. Transportation is one of the main challenges faced by farm animals and several countries have recently adopted new, or revised existing, regulations. The aim of this study is to compare the current farm animal transportation regulations on six key animal welfare areas (duration of journey; fitness for transport; handling; weather conditions; densities; isolation) in six English speaking jurisdictions (Australia, Canada, New Zealand, the EU, the UK and the US).

Some of the results were presented at the HSA conference held in Edinburgh in July 2022 and show

important variations between jurisdictions. Although some jurisdictions have regulated live farm animal transportation (e.g. the EU, Canada), others appear limited (e.g. the US). However, highly regulated transportation rules do not necessarily translate into higher animal welfare protection as they are not (only) driven by animal welfare concerns. They appear to have been written around existing industry practices in each jurisdiction, reflected in widely different standards. For example, the maximum interval without access to water during transportation of cattle ranges from 14 hours in the EU to 48 hours in Australia. Eugénie also found that most animal welfare issues were not addressed appropriately. Fitness for transport is either absent, not based on existing scientific evidence, or described in vague terms. Some regulations are not applied or impossible to enforce. Revision of animal welfare legislation needs to better reflect the available knowledge and the factors limiting their practical application.

You can watch Eugénie's talk at tiny.cc/HSA2022



Spring Appeal update

The chance to attend an international scientific conference and network with peers from around the world is an invaluable experience for students and early career researchers, but all too often unattainable.

For our Spring Appeal, we asked for your support to enable us to offer more opportunities to students or early career researchers to attend our conference in Edinburgh.

Thanks to your generous support we were, for the first time, able to offer uncapped subsidised student places to attend our conference. We were delighted to welcome 10 students to the HSA International Conference 2022.



Thanks to your support,
we were able to offer
subsidised places to
10 students

Autumn Appeal 2022

The HSA Special Travel Award supports successful applicant(s) to visit a centre, or centres, of excellence or expertise to further their technical knowledge, and/or to foster scientific collaboration. Recent awards have funded fact-finding trips to allow researchers to learn more about the monitoring of slaughterhouse CCTV in the USA and a method of assuring Muslim consumers in New Zealand that stunning is recoverable and hence complies with halal requirements.

The aim of the award is to help those involved in improving animal welfare 'beyond the farm gate' gain new expertise and knowledge to help improve the lives of food animals globally.

With travel restrictions lifting in many parts of the world, we will, for the first time since the start of the pandemic, be able to grant the Special Travel Award to successful applicant(s). In order to support another Travel Award, we need to raise £10,000. Please consider contributing to this year's Autumn Appeal to help us support a deserving recipient to improve the welfare of food animals globally.

To donate, visit: hsa.org.uk/autumnappeal

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Legacy giving

Making a provision in your Will is one of the most personal and lasting gifts a person can make. The importance of legacies to the continued existence of HSA cannot be over-emphasised.

 This year HSA received over **£100,000** in legacy gifts.

A special thank you

Our heartfelt thanks to Dennis Gibson, Mary Coats and Mary Quinn who made generous provision for HSA in their Wills. We send our sincere condolences to everyone who has been affected by the loss of a loved one.

We also send a thank you to those who have continued to support our work through general donations and in response to our Appeals.



How you can help HSA

Growing numbers of us are concerned about the welfare of animals that provide us with food.

Whilst many people recognise the importance of a good life whilst on the farm, animals may also face welfare challenges 'beyond the farm gate'. At the HSA, we play a vital role in improving the welfare of animals during transport, marketing and slaughter, by providing funding and support for essential research.

We are dedicated to bringing practical and lasting improvements to the welfare of food animals around the world. The HSA works with the livestock industry and animal welfare scientists globally to deliver training and advice on the welfare of animals during transport, marketing and slaughter. The HSA is funded solely by donations and legacies from members and supporters.

Please help us to continue to make practical and lasting improvements to animal welfare beyond the farm gate by:

Joining HSA

Find out how to become a member of HSA at: hsa.org.uk/support/memberships

Donating to support our work

To make a donation please visit hsa.org.uk/support/make-a-donation



Administration and finance

Finance and accounts

The summarised accounts set out have been extracted from the full accounts of the Humane Slaughter Association, and have been prepared in accordance with the Charities Act 2011, which were approved by the Trustees and signed on its behalf on 3rd August 2022.

The gross income of the Association was £297,488. Unrestricted income was £296,798 (48% came from legacy income at £100,180). Unfortunately, legacy income is very unpredictable. The income from lecture fees and publication sales increased to £38,870, which can be attributed to the lifting of COVID-19 restrictions. Investment income at £115,031 was a slight increase from the previous year.

The full accounts have been audited and the auditors' opinion was without qualification. The accounts will be filed with the Charity Commission after the Annual General Meeting on 16th November 2022.

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

Independent Auditors' Statement to the Trustees of the HSA

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 Trustees 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 3rd August 2022.

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 2022.



S Munday FCA (Senior Statutory Auditor)

For and on behalf of UHY Hacker Young (East Limited) is eligible for appointment as auditor by virtue of its eligibility for appointment as auditor for company under section 1212 of the Companies Act 2006.

Annual General Meeting 2021

The AGM was held on 13th October 2021. There was the opportunity for members to watch proceedings online should they be unable to attend in person. As in previous years, this was held in conjunction with the AGM of the Universities Federation for Animal Welfare (UFAW). 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 members and was taken as read. The meeting agreed the Minutes of the AGM of 2020 and resolved to receive the Accounts and Auditor's Report for the year ended 31st March 2021. 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 UHY Hacker Young, Registered Auditors, be appointed as auditors to HSA and its associated Trusts and their remuneration should be fixed by Council.

Dr Siobhan Abeyasinghe and Mr David Pritchard, stood down under the rules regarding rotation, and offered themselves for re-election, and were re-elected. Professor Andrea Nolan resigned and was thanked for her dedication to the charity over the years. No new candidate was proposed for election.

Notice of Annual General Meeting 2022

The AGM of the Humane Slaughter Association will be held at 12.30pm on 16th November 2022 at the Old School, Brewhouse Hill, Wheathampstead, AL4 8AN. The formal notice and agenda have been sent to all members and are available from the Secretary at the registered office.

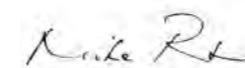
HSA Summary of Financial Activity Year Ended 31st March 2022

	Unrestricted Fund 2021/2022 (£)	Designated Funds 2021/2022 (£)	Total 2021/2022 (£)	Total 2020/2021 (£)
Incoming Resources				
Voluntary Income	142,147	–	142,147	374,000
Charitable Activities	39,620	–	39,620	7,243
Investment Income	115,031	690	115,721	114,507
Total Incoming Resources	296,798	690	297,488	495,750
Resources Expended				
Costs of Generating Funds	56,020	–	56,020	51,773
Charitable Activities	241,338	–	241,338	368,721
Other Resources Expended	70,910	15,909	86,819	84,212
Total Resources Expended	368,268	15,909	384,177	504,706
Net Operational incoming/ (outgoing) resources for the year	(71,470)	(15,219)	(86,689)	(8,956)
Other Recognised Gains & Losses				
Net Gain on Property Revaluation	–	–	–	–
Net Realised Gains on Investments	273,258	–	273,258	43,179
Unrealised Gains (Losses) on Investments	(126,189)	–	(126,189)	881,905
Net Movement of Funds	75,599	(15,219)	60,380	916,128
Balance Brought Forward	5,659,538	658,815	6,318,353	5,402,225
Balances Carried Forward	5,735,137	643,596	6,378,733	6,318,353

HSA Balance Sheet Year Ended 31st March 2022

	Unrestricted Fund 2021/2022 (£)	Designated Funds 2021/2022 (£)	Total 2021/2022 (£)	Total 2020/2021 (£)
Fixed Assets				
Tangible Fixed Assets	201,543	–	201,543	205,426
Investments	5,073,208	–	5,073,208	4,949,502
	5,274,751	–	5,274,751	4,247,226
Current Assets				
Debtors	21,341	–	21,341	17,751
Term Deposits at Bank	350,688	1,859,302	2,209,990	2,873,347
Cash at Bank and in Hand	17,461	–	17,461	14,799
	389,490	1,859,302	2,248,791	2,905,897
Current Liabilities				
Creditors: Amounts Falling Due within One Year	(53,731)	(957,905)	(1,011,636)	(709,754)
Net current Assets	460,386	776,770	1,237,156	2,196,143
Creditors: Amounts Falling Due After More than One Year	–	(133,173)	(133,173)	(1,032,718)
Net Assets	5,735,137	643,596	6,378,733	6,318,353
Funds				
Unrestricted	5,735,137	–	5,735,137	5,659,593
Designated	–	643,596	643,596	658,815
	5,735,137	643,596	6,378,733	6,318,353

The summarised accounts were approved by Council and signed on their behalf on 3rd August 2022.



M R Radford OBE LLB
Chairman



C L McCann BSc ACA
Hon Treasurer

The summarised accounts set out here have been extracted from the full accounts and have been prepared in accordance with the Charities Act 2011.

Legal and administrative information

Vice-Presidents

LA Brown MBE BVSc BA PhD FRSB MBA
FRCVS
Professor P H Holmes OBE BVMS PhD
FRCVS FRSE
B R Howard BVMS PhD FRCVS
Professor J E T Jones PhD MRCVS FRCPath
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

A G Simmons BVMS MSc MRCVS
(until 13.10.21)^{1 2 3}
M Radford OBE LLB (from 14.10.21)¹

Vice-Chairman

M Radford OBE LLB (until 13.10.21)¹

Honorary Treasurer

C McCann BSc ACA^{1 3}

Members

S Abeyesinghe BSc MSc PhD
Professor R M Bennett BSc MSc PhD^{1 2}
J Downes BVSc MRCVS
A Enticknap PhD²
Professor A Nolan OBE MVB DipECVA
DipECVPT DVA MRCVS (to 13.10.21)
A Olsson MSc PhD³
D Pritchard BSc BVetMed MPH MRCVS²
D R Sargan MA PhD^{2 3}
A G Simmons BVMS MSc MRCVS
(from 14.10.21)^{1 2 3}

¹ Finance Panel Member

² Fundraising Panel Member

³ Grant Panel Member

Staff

Chief Executive/Scientific Director
Huw Gollidge BSc PhD AFHEA

Secretary
Jane Moorman

Technical Director
Charles W Mason HND MInstM CF ARAgS

Research Director
Birte Nielsen BSc MSc PhD

Technical Officer
Jade Spence BSc (Hons) MSc AMRSB

Technical Officer
Susan Richmond BSc MSc PhD

Scientific Communication & Outreach Officer
Luisa Dormer BSc MSc AFHEA,
DLSHTM (from 28.02.22)

Fundraising/Communications Manager
Tracey Woods MCIPR (until 13.08.21)

Office Staff
Samantha Griffin
Wendy L Goodwin (until 30.09.21)
Tina Langford

Principal office

The Old School, Brewhouse Hill,
Wheathampstead, Hertfordshire,
AL4 8AN, UK
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Fax: +44(0)1582 831414
Website: www.hsa.org.uk
E-mail: info@hsa.org.uk

Registered auditors

UHY Hacker Young (East) Ltd,
PO Box 501, The Nexus
Building, Broadway,
Letchworth Garden City,
Hertfordshire, SG6 9BL, UK

Bankers

HSBC Bank plc, 31 Chequer Street,
St Albans, Herts, AL1 4YN, UK

Solicitors

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

Wilsons, Summerlock Approach,
Salisbury, Wiltshire, SP2 7RJ, UK

Investment advisors

Evelyn Partners (formerly Smith &
Williamson Investment Managers),
25 Moorgate, London, EC2V 5NS, UK

Obituaries

Professor Peter Biggs CBE

During the last year we learned of the sad death of Professor Peter Biggs, previous Chairman of our sister charity, the Universities Federation for Animal Welfare's (UFAW) Council. After retiring as Chairman in 2006, Peter was made a Vice-President of both UFAW and HSA. He remained a keen supporter of our work during his retirement. We send our condolences to his family.

Humane Slaughter Association

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