



SJDAWC

2016 *Annual Report*



SIR JAMES DUNN ANIMAL WELFARE CENTRE *at the Atlantic Veterinary College*

PROMOTING ANIMAL WELFARE THROUGH RESEARCH, SERVICE, AND EDUCATION

ATLANTIC VETERINARY COLLEGE
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SJDAWC 2016 ANNUAL REPORT

Sir James Dunn Animal Welfare Centre, Atlantic Veterinary College, University of Prince Edward Island

MANDATE

The Sir James Dunn Animal Welfare Centre exists to promote animal welfare by generating and disseminating impartial and scientifically based knowledge and understanding of animal welfare issues.

The Centre facilitates, focuses, and coordinates academic and research resources at the Atlantic Veterinary College to carry out animal welfare research and education, and to provide information and advice to industry, government, organizations, and the public.

STRUCTURE

The SJDAWC is governed by a Management Board that reports to the Dean of the Atlantic Veterinary College.

MANAGEMENT BOARD

- » CHAIR—DR. LARRY HAMMELL, Interim Dean, UPEI School of Graduate Studies; Associate Dean, AVC Graduate Studies and Research
- » DR. MICHAEL COCKRAM, Chair in Animal Welfare (ex-officio)
- » DR. ALICE CROOK, Coordinator, SJDAWC (ex-officio)
- » MS. ANNA MACDONALD, AVC External Relations Officer (ex-officio)

DEPARTMENTAL REPRESENTATIVES

- » DR. LUIS BATE, Department of Biomedical Sciences
- » DR. DAN HURNIK, Department of Health Management
- » DR. HANS GELENS, Department of Companion Animals
- » DR. ANNE MUCKLE, Department of Pathology and Microbiology
- » DR. JIM GOLTZ, Manager, Veterinary Laboratory and Pathology Services, New Brunswick Agriculture, Aquaculture and Fisheries; external representative to Management Board

SJDAWC ACTIVITIES IN 2016

AVC Winter Webinar Series (February/March)

Euthanasia Decision Making and End-of-Life Care; with Dr. Caroline Hewson, inaugural AVC Research Chair in Animal Welfare, now in the UK providing evidence-based training on welfare-friendly patient care, including end-of-life care.

12th annual Animal Welfare in Practice conference: Sheep Welfare (September)

Co-hosted with the AVC Animal Welfare Club and Small Ruminants Club, the conference focused on improving sheep welfare by putting into action the 2013 NFACC Code of Practice for the Care and Handling of Sheep. Speakers were Dr. Paula Menzies, Professor in the Department of Population Medicine at the University of Guelph and member of the Ruminant Health Management Group; Dr. Michael Cockram, AVC Chair in Animal Welfare; and Mr. Andrew Hebda, President, Purebred Sheep Breeders Association of Nova Scotia.

Speakers' presentations may be found at upei.ca/sheepwelfare.

GRANTS AWARDED

The SJDAWC, through an annual competition, provides funding for service and research projects.

SERVICE

Service grants 2016

FOLEY P. Financial aid for spay or neuter of companion animals of owners on fixed income (2016–18)

MOAK P, FOLEY P, MACDONALD R, GUNN MCQUILLAN H, MACLEAN M. Medical and surgical care of homeless animals (2016–18)

SPEARS J, DAOUST P-Y, GELENS H. Clinical wildlife care at AVC (2016–18)

VANLEEJWEN J, RICHARDS S. Youth training to improve cow and animal welfare in Kenya and Canada

Ongoing service projects

CAREY AM, MACLEAN R. AVC humane dog training program (with PEI Humane Society)

CROOK A, LING K, GUNN MCQUILLAN H. Pegasus feral cat neuter program

CROOK A, GUNN MCQUILLAN H. Pegasus helping hand fund

DUCKETT W, CONBOY G. Health management services for Handibear Hills Equine Sanctuary, Inc.

DUCKETT W, CONBOY G. Health management services for PEI Equine Retirement Society, Inc.

FOLEY P. Feral cat neutering program (with PEI Cat Action Team)

HOPSON M, MILLER L. Chinook Project (funded independently since 2011)

MCDUFFEE L. Introduction of positive reinforcement theory and techniques to promote humane handling of equine patients at the AVC's Large Animal Hospital

Please visit awc.upei.ca/Service_projects for more information about these and other service projects.

RESEARCH**Research grants 2016**

HEIDER L, CAMERON M, SANCHEZ J, MCCLURE J. Care of the dairy calf: Investigation into the welfare and health of calves in the Maritime provinces of Canada

VANLEEUWEN J, MCKENNA S, RICHARDS S, GITAU G. Research and training to improve stall design and management for better cow welfare and productivity on smallholder dairy farms in Kenya—Phase 2

On-going research projects

COCKRAM MS, REVIE CW. Identification of risk factors during broiler transportation that influence injury and mortality

KEEFE G, CAMERON M, COCKRAM M, MCKENNA S, SANCHEZ J. Achieving meaningful improvements in dairy cow welfare by reducing lameness: Evaluating the

effectiveness of herd performance benchmarking and integrated, web-based risk management

VANLEEUWEN J, MCKENNA S, GITAU G, ALERI J. Research and training to improve stall design and management for better cow welfare and productivity on smallholder dairy farms in Kenya

Graduate students funded or partially funded by the SJDAWC**Degrees awarded**

NIAMH CAFFREY. PhD thesis title: Transportation of animals for slaughter in Canada: Welfare issues and regulatory control

MATTHEW SAAB. MSc thesis title: Methicillin-resistant *Staphylococcus pseudintermedius* in Atlantic Canada: Epidemiology and culture methods

Current students

FREDÉRIC CHATIGNY. Assessing the efficacy of lidocaine used as an analgesic on rainbow trout

EMILY KATHAMBI KIUGU. Research and training to improve stall design and management for better cow welfare and productivity on smallholder dairy farms in Kenya—Phase 2

SHAUNA RICHARDS. Research and training to improve stall design and management for better cow welfare and productivity on smallholder dairy farms in Kenya

MEGAN ROBERTSON. Achieving meaningful improvements in dairy cow welfare by reducing lameness: Evaluating the effectiveness of herd performance benchmarking and integrated, web-based risk management

JAMYE ROUETTE. Risk factors for musculoskeletal injuries in a population of Standardbred racehorses on PEI

Summer students (AVC Summer Research and Leadership Program)

MICHELLE ROY. Investigation of colostrum management for dairy calves in the Maritimes

BRIAR SPINNEY. Are your calves hungry? Milk feeding management in Maritime dairy herds

PUBLICATIONS

BARTOLOMÉ E, COCKRAM MS. 2016. Potential effects of stress on the performance of sport horses. *Journal of Equine Veterinary Science* 40: 84-93.

DE PASSILLE AM, COCKRAM MS, HALEY D, RODAS-GONZALEZ A, BORDERAS F, WYNANDS R. 2016. Veal Cattle Code of Practice Scientific Committee: Review of Scientific Research on Priority Issues. National Farm Animal Care Council. nfacc.ca/resources/codes-of-practice/veal-cattle/veal_cattle_SCreport_2016.pdf

GARDE E, PÉREZ G, VANDERSTICHEL R, DALLA VILLA PF, SERPELL JA. 2016. Effects of surgical and chemical sterilization on the behavior of free-roaming male dogs in Puerto Natales, Chile. *Preventive Veterinary Medicine* 123:106-120.

SAAB M. 2016. Methicillin-resistant *Staphylococcus pseudintermedius* in Atlantic Canada: Epidemiology and culture methods. UPEI. islandscholar.ca/islandora/object/ir:20241/datastream/PDF/download/citation.pdf

VILLARNOVO D, BURTON SA, HORNEY B, MACKENZIE AL, VANDERSTICHEL R. 2016. Preliminary evaluation of a gel tube agglutination major cross-match method in dogs. *Veterinary Clinical Pathology* 45(3):411-416

PRESENTATIONS

CAMERON M. 2016. Introducing the web-based benchmarking system for cow comfort. Dairy Cluster 2 Annual Meeting, Ste-Anne-de-Bellevue, QC. October.

COCKRAM MS. 2016. Poultry Welfare: Handling and transport of broilers/Housing of laying hens. CVMA Annual Convention, Niagara Falls, ON. July. *Proceedings* 330-332, 342-343.

COCKRAM MS. 2016. Pain control for castration and tail docking in lambs. CVMA 2016 Annual Convention, Niagara Falls, ON. July. *Proceedings* 333-336.

COCKRAM MS. 2016. Welfare aspects of health and disease. CVMA 2016 Annual Convention, Niagara Falls, ON. July. *Proceedings* 337-341.

COCKRAM MS. 2016. Transport and slaughter of sheep. *Animal Welfare in Practice: Sheep welfare*. Charlottetown, PE. September.

COCKRAM MS. 2016. Painful procedures in sheep. *Animal Welfare in Practice: Sheep welfare*. Charlottetown, PE. September.

CROOK A, LANE J, TUFF-HOPKIE C, RICHARDS S, SOMERSALL M, MARIE D. 2016. Dangerous dogs: Education and legislation. AVC Community Workshop Series, Charlottetown, PE. November.

CROOK A, FAIRLES J. 2016. C-246 “Modernizing Animal Protections Act.” CVMA presentation to the Canadian Animal Health Coalition (teleconference). June.

JEWEL M. 2016. Testing a simplified cow comfort assessment tool. Dairy Cluster 2 Annual Meeting, Ste-Anne-de-Bellevue, QC. October.

JEWEL M. 2016. Prevalence of injuries and lameness on 80 Maritime dairy herds. Atlantic Bovine Practitioners Association Annual Meeting, Moncton, NB. November.

(poster) ROY M, HEIDER L, CAMERON M. Investigation of colostrum management for dairy calves in the Maritimes. AVC Summer Research and Leadership Program, Charlottetown, PE. September.

(poster) SPINNEY B, CAMERON M, HEIDER L. Are your calves hungry? Milk feeding management in Maritime dairy herds. AVC Summer Research and Leadership Program, Charlottetown, PE. September.

Newsletters and non-peer reviewed publications

[*SJDAWC News #32—Winter 2016*](#)

“Animal Talk”—monthly newspaper column on issues related to companion animal welfare— ed. A Crook, CAWI members. [*Past articles*](#)

VETERINARY STUDENT EDUCATION

VHM125 Year 1 course in Animal Behaviour and Animal Welfare

VHM412 Year 4 course on Animal Welfare Regulation and Assessment

COCKRAM MS. Animal welfare research: Opportunities and challenges. AVC Summer Research and Leadership Program, Charlottetown, PE. May

COCKRAM MS. Coach for AVC student team in the Veterinary Division of the 2016 annual Animal Welfare Judging and Assessment Contest, Ohio State University, Columbus, OH. November

COMMITTEE/BOARD MEMBERSHIPS

M COCKRAM

- » Board of Directors, Atlantic Poultry Research Institute
- » Editorial Board, Section Editor “Behaviour, Health, and Welfare” for *Animal: International Journal of Animal Bioscience*
- » Editorial board, *Journal of Applied Animal Welfare Science*
- » NFACC Veal Cattle Code
 - » Co-chair of Scientific Committee
 - » Member of NFACC Veal Cattle Code Development Committee
- » NFACC Transport Code
 - » Member of Scientific Committee
- » Member of Canadian Veterinary Medical Association Animal Welfare Committee
- » International Society for Applied Ethology Congress Advisory Committee and local organiser for ISAE 2018

A CROOK

- » Member, Small Animal Sub-committee of Canadian Veterinary Medical Association Animal Welfare Committee
- » Board of Directors, Canadian Federation of Humane Societies
- » Chair, PEI Companion Animal Welfare Initiative

AWARDS

- » 2016 SIR JAMES DUNN ANIMAL WELFARE GRADUATE SCHOLARSHIP
 - » BRAYAN FONSECA MARTINEZ, partial PhD Funding to work with Javier Sanchez, AVC Health Management. Project title: Risk analysis of introduction of pseudorabies virus (PRV) to Canadian outdoor domestic pigs via contact with wild and feral pigs and its implications on animal welfare (to begin 2017)
 - » JAMYE ROUETTE, MSc funding (two years) to work with Kathleen MacMillan, AVC Health Management. Project title: Risk factors for musculoskeletal injuries in Standardbred horses used for harness racing on PEI

- » 2016 CHRISTOFOR AWARD IN ANIMAL WELFARE
 - » GENEVIEVE CLARK
- » DR. TOM A. W. TAYLOR SCHOLARSHIP 2016
 - » VÉRONIQUE SAVOIE-DUFOUR
- » AVC GRADUATE STUDIES AND RESEARCH DAYS, MAY 2016
 - » DR. E. ERROL HANCOCK SCHOLARSHIP—SHAUNA RICHARDS, PhD student. Project title: Research and training to improve stall design and management for better cow welfare and productivity on smallholder dairy farms in Kenya

FUNDING

- » Sir James Dunn and Christofor Foundations—founding and sustaining funding
- » Multi-year donors: Halifax Veterinary Hospital, Fairview Animal Hospital, Central Nova Animal Hospital, Vetcetera Animal Hospital, Glenn Loranger, Lara Jamieson, the late David Madren, the late Kay Alexandor, anonymous
- » Project funding:
 - » Research support—Canadian Poultry Research Council, Vets Without Borders, Dairy Farmers of Canada
 - » Pegasus feral cat neuter program—Pegasus Family Foundation through Silicon Valley Community Foundation
 - » Pegasus Helping Hand Fund—Pegasus Family Foundation through Silicon Valley Community Foundation, AVC classes of 2011 and 2001
 - » Chinook Project—Government of Newfoundland and Labrador; Ann McCain Evans; Rathlyn Foundation; Valley Veterinary Clinic, Goose Bay; Mushuau Innu Band Council of Natuashish; Zoetis Animal Health; Iams/Eukanuba; Boehringer-Ingelheim; Vétoquinol; Air Labrador; Ms. Dorris Heffron; the Victoria City Kennel Club
 - » Many other generous individual supporters *in memoriam*

CONTACT INFORMATION

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