



SJDAWC

2013 *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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2013 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. There is an executive committee, various working committees, a Centre coordinator, and a Chair in Animal Welfare.

MANAGEMENT BOARD

Ex-officio:

- » DR. JEFFREY WICHTEL, Associate Dean of Graduate Studies and Research, Chair of Management Board
- » DR. MICHAEL COCKRAM, Chair in Animal Welfare
- » DR. ALICE CROOK, Coordinator, SJDAWC
- » DR. DAN HURNIK, Chair of Health Management
- » MS. ANNA MACDONALD, AVC External Relations Officer

MEMBERS APPOINTED BY AVC DEAN'S COUNCIL

- » DR. LUIS BATE, Department of Biomedical Sciences
- » DR. ETIENNE CÔTÉ, Department of Companion Animals
- » DR. PIERRE-YVES DAOUST, Department of Pathology and Microbiology
- » DR. ELIZABETH SPANGLER, Department of Health Management
- » DR. JIM GOLTZ, Manager, Veterinary Laboratory and Pathology Services, New Brunswick Agriculture, Aquaculture and Fisheries; External representative to Management Board

SJDAWC ACTIVITIES IN 2013

Animal welfare activities undertaken or funded by the SJDAWC

MEETINGS

9th annual Animal Welfare in Practice conference on Companion Animal Behaviour

Co-hosted with the AVC Animal Welfare Club in September. The focus was on common behaviour issues in dogs and cats, their impact on welfare, and the use of positive interactions in the prevention and management of such problems. Speakers were Dr Barbara Sherman, North Carolina State University, Dr. Sandra McConkey, AVC, and Adina and Amy MacRae. Sublime Canine Training, Halifax. Presentations can be found at awc.upei.ca.

TALKS CO-HOSTED WITH AVC ANIMAL WELFARE CLUB

CORMIER N. Animal welfare issues from the CFIA's perspective and the role of new grads and other veterinarians. February

CROOK A. Animal welfare in the veterinary clinic. October

DAOUST P-Y. The Canadian harp seal hunt: issues and observations. October

GRANTS AWARDED

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

SERVICE

Service grants

CAREY AM, MACLEAN R. AVC humane dog training programme (renewed funding for 2013-15)

DESMARCHELIER M, DAOUST P-Y, GELENS H. Wildlife rehabilitation, conservation and clinical research (renewed funding for 2013-15)

CROOK A, MATTHEWS T, LING K. Pegasus feral cat neuter programme (funding renewed semi-annually)¹

¹ This programme is funded separately by the Pegasus Family Foundation through the Silicon Valley Community Foundation.

Ongoing service projects

The SJDAWC supports several ongoing service projects, reviewed annually or bi-annually.

- » Medical and surgical care of homeless animals (T BAILEY, with PEI HUMANE SOCIETY)
- » Health management services for Handibear Hills Equine Sanctuary, Inc. (W DUCKETT)
- » Health management services for PEI Equine Retirement Society, Inc. (W DUCKETT)
- » AVC humane dog training programme (AM CAREY with PEI HUMANE SOCIETY)
- » Wildlife rehabilitation, conservation and clinical research (M DESMARCHELIER)
- » Two complementary feral cat neutering programmes (P FOLEY with PEI CAT ACTION TEAM), one funded through the SJDAWC and the other by the Pegasus Family Foundation through the Silicon Valley Community Foundation.

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

RESEARCH

Research grants

MCCLURE JT, SAAB M, MUCKLE A. Can selective culture methods detect more Methicillin-Resistant *Staphylococcus pseudintermedius* infections in companion animals compared to current culture methods?

SPEARS J, STEVENS D. Effect of buffers used with fish anaesthetics.

On-going research projects

Identification of risk factors during broiler transportation that influence injury and mortality. MS COCKRAM AND CW REVIE. Funded by SJDAWC and Canadian Poultry Research Council

Graduate students funded or partially funded by the SJDAWC

Degrees awarded

WHITNEY KELLY-CLARK, Master of Science. Trichomonosis: an emerging disease in Canadian Maritime wild finch populations

MEGHAN WOODLAND, Master of Veterinary Science. Comparison of three radiographic techniques in the determination of reproductive status of feral and shelter queens in an effort to decrease unnecessary post-operative pain and stress

Examinations completed

JACKLYN ELLIS. Effects of environmental enrichment and behavioural style on stress responses in singly housed shelter cats (*Felis catus*)

DANIA VILLARNOVO. Enhancing animal welfare by potentially improving ease of predicting transfusion reactions in dogs, cats and horses

Current students

KETAN DULAL. Identification of risk factors during broiler transportation that influence injury and mortality

NIAMH CAFFREY. Transportation of animals for slaughter in Canada: current practice, welfare issues and regulatory control

CYRIL ROY. Welfare issues associated with the transport and slaughter of horses

MATTHEW SAAB. Can selective culture methods detect more Methicillin-Resistant *Staphylococcus pseudintermedius* infections in companion animals compared to current culture methods?

Visiting post-doctoral fellow

DR RADI ALI MOHAMED ALI. Lecturer in Animal and Poultry Behaviour and Management, Department of Hygiene and Preventive Medicine, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt. Funded by the Egyptian Government. April to September.

PUBLICATIONS

Journals

WOODLAND M, PACK L, RIST P, CRANE B. 2013. Comparison of digital radiography, ultrasonography, and positive contrast vaginourethrography for determining reproductive status of female cats. *Veterinary Radiology & Ultrasound*. doi:10.1111/vru.12134.

KELLY-CLARK WK, MCBURNEY S, FORZÁN MJ, DESMARCHÉLIER M, GREENWOOD SJ. 2013. Detection and characterization of a *Trichomonas* isolate from a rehabilitated Bald Eagle (*Haliaeetus leucocephalus*). *Journal of Zoo and Wildlife Medicine*, 44(4), 1123-1126.

FORZÁN MJ, GARDE E, PÉREZ GE, VANDERSTICHEL RV. 2013. Necrosuppurative orchitis and scrotal necrotizing dermatitis following intratesticular administration of zinc gluconate neutralized with arginine (EsterilSol) in 2 mixed-breed Dogs. *Veterinary Pathology Online*, 0300985813505875.

UEHLINGER FD, GREENWOOD SJ, MCCLURE JT, CONBOY G, O'HANDLEY R, BARKEMA HW. 2013. Zoonotic potential of *Giardia duodenalis* and *Cryptosporidium* spp. and prevalence of intestinal parasites in young dogs from different populations on Prince Edward Island, Canada. *Veterinary Parasitology* 196:509-514.

Book chapter

CROOK A. 2013. Pain: An Issue of Animal Welfare. In: Egger C, Love L, Doherty T, eds. Pain Management in Veterinary Practice. Wiley-Blackwell, 3-8.

Reports

DE WIT J, COOKE S, HOCKLEY E, HAUGHTON L, SHAW J, FLEWELLING G, LÉVESQUE R, GILES B, BOBSIEN B, LOCKE J, BURWASH L, CORMIER, N, COCKRAM M, LOHMANN K, WOODS J, HELESKI C. 2013. NFACC Code of Practice for the Care and Handling of Equines. nfacc.ca/codes-of-practice/equine

COCKRAM MS, MENZIES P, BARRETT D, HEMSTED J. 2013. Sheep Code of Practice Scientists' Committee. Code of Practice for the Care & Handling of Sheep: Review of Scientific Research on Priority Issues. NFACC. nfacc.ca/codes-of-practice/sheep

COCKRAM MS, MENZIES P, BARRETT D, HEMSTED J. 2013. Executive Summary: The Science of the Sheep Code. nfacc.ca/codes-of-practice/sheep

HEMSTED J, HEBDA A, GERBER V, GREAVES B, GORDANIER A, EDDY C, BAKER F, SCOTT R, WICHTEL J, MORGAN C, DRAPER M,

SMITH R, CORMIER N, COCKRAM M, BUCZINSKI S, O'BRIEN A. 2013. NFACC Code of Practice for the Care and Handling of Sheep. nfacc.ca/codes-of-practice/sheep

HYE-YEON JANG, (veterinary student) American Humane Association Summer Scholarship Report on Analysis of the implications of disease and aging for the welfare of geriatric dogs and cats. UPEI MacLauchlan Prize for Effective Writing. November.

Conference presentations

COCKRAM MS, CAFFREY NP, DOHOO IR. Factors affecting the percentage of dead-on-arrivals at a broiler slaughterplant. Atlantic Poultry Conference. Wolfville, Nova Scotia. February.

COCKRAM MS, CAFFREY NP, BLACK V. Fitness for transport. Animal Transportation Association 39th Annual Conference. Las Vegas, USA. April.

COCKRAM MS. Poultry transportation and handling research. Poultry Transportation, Handling and Inspection Information Day. Poultry Service Association and Association of Ontario Chicken Processors. Guelph, Ontario. September.

CROOK A, SREBRNIK P. Feral cat management on PEI. Urban Animals Strategies Summit, Halifax, Nova Scotia. April.

DUCKETT W. Equine parasite control strategies: anthelmintics—old and new. 65th Convention Canadian Veterinary Medical Association, Victoria, BC, July. In Proceedings.

DUCKETT W. Equine Parasites: Management strategies for parasite control. 65th Convention CVMA, Victoria, BC, July. In Proceedings.

ELLIS JJ, PROTOPAPADAKI V, STRYHN H, SPEARS J, COCKRAM MS. Development and validation of a behavioural test to discriminate between bold and shy cats. 47th Congress of the International Society for Applied Ethology, Florianopolis, Brazil, June. Proceedings (ed. M.J. Hötzel and L.C.P.M. Filho) p 80. Wageningen Academic Publishers, The Netherlands.

VILLARNOVO D, BURTON SA, HORNEY BS, MACKENZIE AL, VANDERSTICHEL RV. Avoiding transfusion reactions in dogs: evaluation of a commercially available cross-matching kit. Annual meeting of the American College of Veterinary Pathologists & American Society for Veterinary Clinical Pathologists. Montreal, Quebec. November.

SAAB M, LOFSTEDT J, MCCLURE JT. Methicillin-resistant *Staphylococcus pseudintermedius* in a Veterinary Teaching Hospital in Atlantic Canada. 3rd ASM-ESCMID Conference on Methicillin-Resistant Staphylococci in Animals, Copenhagen, Denmark. November.

SAAB M, WEESE JS, MUCKLE CA, MCCLURE JT. Direct repeat unit (dru) typing of methicillin-resistant *Staphylococcus pseudintermedius* from dogs at a diagnostic laboratory in Atlantic Canada. 3rd ASM-ESCMID Conference on Methicillin-Resistant Staphylococci in Animals, Copenhagen, Denmark. November.

AVC Graduate Studies and Research

Days Presentations

ELLIS JJ. Discriminating between bold and shy cats in a shelter setting. 21st Annual Graduate Studies and Research Days, AVC, May. Gold award in Department of Health Management session.

ROY RC. An analysis of USDA owner/shipper certificates to describe the transport of horses from the USA for slaughter in Canada in 2009. 21st Annual Graduate Studies and Research Days, AVC, May.

DULAL KJ. Factors affecting the risk of injury to broiler chickens during handling and transport to slaughter. 21st Annual Graduate Studies and Research Days, AVC, May. Bronze award in Department of Health Management session.

Newsletters and non-peer reviewed publications

SJDAWC News #29—Spring/Summer 2013
issuu.com/upei/docs/awc_spring2013_newsletter

“Animal Talk”—monthly newspaper column on issues related to companion animal welfare—CAWI members, A Crook editor gov.pe.ca/agriculture/CAWI

VETERINARY STUDENT EDUCATION

VHM125 Year 1 course in Animal Behaviour and Animal Welfare.

VHM412 Year 4 rotation on Animal Welfare Regulation and Assessment.

COCKRAM MS. Seminar on animal welfare, health and disease and fitness for transport. Students of the Canadian Veterinary Medical Association (SCVMA) Symposium. January.

CROOK A. Seminar on animal welfare in the veterinary clinic. SCVMA Symposium. January.

COCKRAM MS. Animal Welfare Research: Opportunities and Challenges AVC Summer Research and Leadership Program. July.

CROOK A. (pre-veterinary) AVC Dr. Tim Ogilvie Vet Camp. Animal welfare scenario discussions July, August.

AVC student team participated in the veterinary division of the 13th annual intercollegiate Animal Welfare Judging and Assessment Contest, in Guelph, Ontario, November.

COMMITTEE/BOARD MEMBERSHIPS

M COCKRAM

- » Board of Directors, Atlantic Poultry Research Institute
- » Animal Editorial Board, Section Editor “Behaviour, Health, and Welfare” for *Animal: International Journal of Animal Bioscience*
- » NFACC Code Development Committee for the Care and Handling of Equines (representing research/academia and the Canadian Veterinary Medical Association)
- » Chair Scientists’ Committee for NFACC Code Development Committee for Code of Practice for the Care & Handling of Sheep (representing International Society for Applied Ethology)
- » NFACC Code Development Committee for the Care and Handling of Sheep

A CROOK

- » Canadian Veterinary Medical Association Small Animal Sub-committee of Animal Welfare Committee
- » President, Board of Trustees, Animal Welfare Foundation of Canada
- » Chair, PEI Companion Animal Welfare Initiative (CAWI)
- » PEI *Companion Animal Protection Act* working group

AWARDS

- » M DESMARCHELIER, AVC Zoo, Exotic and Wildlife Medicine Service: Parks Canada CEO Award of Excellence, presented at AVC, February
- » S SANFORD, AVC Class of 2014: 2013 Christofor Award in Animal Welfare, AVC Fall Awards and Recognition Night, October
- » P FOLEY, AVC Small Animal Medicine: 2013 Summit Award for Wellness, Summit for Urban Animal Strategies, Lake Louise, October
- » A CROOK, SJDAWC Coordinator: Prince Edward Island Veterinary Leadership Award, PEIVMA annual meeting, Charlottetown, November

FUNDING

- » Sir James Dunn and Christofor Foundations—founding and sustaining funding
- » Multi-year donors: Halifax Veterinary Hospital, Fairview Animal Hospital, Central Nova Animal Hospital, Glenn Loranger, Lara Jamieson, the late David Madren, anonymous
- » Project funding:
 - » Research support from Canadian Poultry Research Council, American Humane Association
 - » Feral cat neutering programme—Pegasus Family Foundation through Silicon Valley Community Foundation; Zoetis Canada; Iams and Eukanuba (P & G Pet Care).
 - » Chinook Project—Government of Newfoundland and Labrador, Ann McCain Evans; Rathlyn Foundation; Ms. Dorris Heffron; Zoetis Canada; Iams and Eukanuba (P & G Pet Care); Boehringer-Ingelheim; Vétoquinol; the communities of Nain, Makkovik, and Postville; Air Labrador;

the Victoria Kennel Club; Dr. Becky Jackson and Valley Veterinary Clinic, Goose Bay.

- » AVC classes of 2011 and 2001 (Pegasus Helping Hand Fund)
- » Emerald Island Hunt
- » Many other generous individual supporters *in memoriam*

CONTACT INFORMATION

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