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Annual Meeting, Orlando, Florida

Bird Strike Committee Proceedings

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2008

## 2008 Bird Strike Committee–USA/Canada Meeting Program

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# 2008 Bird Strike Committee–USA/Canada Meeting Program

Orlando Marriott Lake Mary Hotel, 1501 International Pkwy, Lake Mary, FL 32746

## **MONDAY, 18 AUGUST 2008**

0900-1800 **REGISTRATION** (*Grand Foyer*)

0930-1145 **BSC-USA STEERING COMMITTEE MEETING** (*Grand H*)

1200-1230 **BUS LOADING FOR EARLY-BIRD PYROTECHNICS TRAINING**

1300-1700 **EARLY-BIRD PYROTECHNICS TRAINING** (*limit: 150 people*) (*Airport*)

1800-2000 **WELCOME RECEPTION** (*Grand E*)  
*Hosted by Orlando-Sanford International Airport*

## **TUESDAY, 19 AUGUST 2008**

0700-1700 **REGISTRATION** (*Grand Foyer*)

0700-0800 **CONTINENTAL BREAKFAST WITH EXHIBITORS** (*Grand E*)

## **PLENARY SESSION**

*(Plenary and Technical Sessions are located in Grand Ballroom ABCD)*

0800 ***In Memoriam: Bruce MacKinnon (1947-2008)***

0820 **Welcome to BSC-USA/Canada.** *Richard Dolbeer, Chairman, Bird Strike Committee-USA*

0825 **Welcome to Sanford and Seminole County.** *Geoffrey Longstaff, Chairman Sanford Airport Authority; Mayor Linda Kuhn, City of Sanford; and Chairman Brenda Carey, Board of County Commissioners*

0830 **Aviation Safety and Wildlife.** *Honorable John Mica, Ranking Republican, U.S. House of Representatives Committee on Transportation and Infrastructure*

0845 **Keynote Address: wildlife issues during space shuttle launches.** *Stephen J. Payne, NASA Shuttle Test Director, Launch and Landing Division, Kennedy Space Center*

0915 **Personal liability in the aftermath of bird strikes: a costly consideration.** *Larry Dale, President/CEO Sanford Airport Authority, Orlando-Sanford International Airport (1)*

0945 **DISCUSSION**

1000-1030 **BREAK** (*Visit the Exhibitors, Grand E*)

## **BIRD STRIKES IN FLORIDA, THE LOCAL PERSPECTIVE**

*Moderator: John Ostrom, Metropolitan Airports Commission, MSP*

1030 **Challenges, circumstances, and considerations for bird and wildlife abatement and the importance of empirical and historical data at central Florida airports.** *Johnny Metcalf, Greater Orlando Aviation Authority (2)*

1100 **Florida BASH: an integrated management approach from the ground up.** *Marty Daniel, USDA Wildlife Services (3)*

1130 **Strategies for mitigating bird strike risk from vulture populations at MacDill AFB.** *Jon Gilbert, Flyaway Farms and Kennels (4)*

1200-1330 **BUFFET LUNCH PROVIDED** (*Grand E*)

## **WATER MANAGEMENT AT AIRPORTS**

*Moderator: Bradley Blackwell, USDA Wildlife Services*

1330 **The Florida statewide airport stormwater survey.** *Abdul Hatim, Florida Department of Transportation, Aviation Office (5)*

1400 **Parameters affecting bird use of stormwater detention ponds in the southeastern United States: implications for bird-aircraft collisions.** *Brian Fox, Auburn University (6)*

1430 **Bird hazard management on wetlands at UK aerodromes.** *Andy Baxter, Central Science Laboratory, UK (7)*

1500-1530 **BREAK** (*Visit the Exhibitors, Grand E*)

## **SAFETY MANAGEMENT SYSTEMS**

*Moderator: Gene LeBoeuf, USAF*

1530 **SMS and bird/wildlife management programs.** *Nicholas Carter, Birdstrike Control Program (8)*

1600 **Safety Management Systems: how useful will the FAA National Wildlife Strike Database be?** *Sandra Wright, USDA Wildlife Services (9)*

1630 **MILITARY/CIVIL BREAKOUT SESSION**

1800-2100 **4<sup>TH</sup> ANNUAL DeTECT BIRD STRIKE BBQ/JAM FEST (Enzian Theater, Maitland, FL)**

### **WEDNESDAY, 20 AUGUST 2008**

0800-1200 **CONCURRENT SESSION #1** "Low-tech" tools

0800-1200 **CONCURRENT SESSION #2** "High-tech" tools

**CONCURRENT SESSION #1:**

### **"LOW-TECH" TOOLS FOR MANAGING WILDLIFE HAZARDS AT AIRPORTS**

*Moderator: Mike Linnell, USDA Wildlife Services*

0800 **Managing red-tailed hawk perching sites on Federal Aviation Administration ILS Towers at General Mitchell International Airport (MKE), Milwaukee, WI.** *Henri Woods, USDA Wildlife Services (10)*

0830 **Test of an alternative rodent control method: CHF fertilizer/small mammal repellent.** *Randy Outward, USDA Wildlife Services (11)*

0900 **Reducing bird strike risks through insect management at a military base.** *Dedrick Pesek, USDA Wildlife Services (12)*

0930 **A practical and cost effective approach to airport wildlife management in the context of local land use: two Australian case studies.** *Phil Shaw, Avisure* (13)

1000-1030 **BREAK** (*Visit the Exhibitors, Grand E*)

## **“LOW-TECH” TOOLS FOR MANAGING WILDLIFE HAZARDS AT AIRPORTS (cont.)**

*Moderator: Elizabeth Louie, FAA*

1030 **Capture, color-marking, and translocation of resident and non-resident red-tailed hawks at Portland International Airport 1999-2007: overview and evaluation of an innovative program.** *Carole Hallett, Pacific Habitat Services* (14)

1100 **Let's talk turkey: integrating traditional wildlife management techniques to reduce wildlife hazards at airports.** *Christopher Bowser, USDA Wildlife Services* (15)

1130 **Comparison of non-lethal versus lethal control methods for red-tailed hawks and other bird species at the Waste Management Outer Loop Recycling and Disposal Facility, Louisville, Kentucky, USA.** *Russ DeFusco, BASH, Inc.* (16)

### **CONCURRENT SESSION #2:**

## **“HIGH-TECH” TOOLS (AVIAN RADAR TECHNOLOGIES)**

*Moderator: Russ DeFusco, BASH Inc.*

0800 **Aircraft bird strike avoidance radar systems - looking forward: next generation advancements in the technology.** *T. Adam Kelly, Detect, Inc.* (17)

0830 **The US Air Force (USAF) SMR (Small Radar Program): an overview and status report on the operational use of dedicated avian radar systems at USAF airfields and ranges.** *Eugene LeBoeuf, US Air Force BASH Team* (18)

0900 **The ability of avian radars to track near-miss bird strike events: a missing information link.** *Matthew Klope, US Navy, Naval Facilities Engineering Command* (19)

0930 **Deployment and assessment of avian radars.** *Ed Herricks, University of Illinois* (20)

1000-1030 **BREAK** (*Visit the Exhibitors, Grand E*)

## **“HIGH-TECH” TOOLS (MISCELLANEOUS TECHNOLOGIES)**

*Moderator: Bob Dogan, Air National Guard*

1030        **The bird strike risk, to be countered or contained?** *Arie Dekker, Netherlands Royal Air Force, Netherlands (21)*

1100        **Quantifying vulture activity at Marine Corps Air Station, Beaufort, NC.**  
*Michael Avery, USDA Wildlife Services, National Wildlife Research Center (22)*

1130        **Forensic bird strike identification techniques used in the accident investigation at Wiley Post Airport, Oklahoma.** *Carla Dove, Smithsonian Institution (23)*

1200-1215    **BUS LOADING FOR FIELD TRIP TO AIRPORT**

1230-1400    **COOK-OUT AT AIRPORT PICNIC PAVILION, LAKE GOLDEN.**  
*Hosted by Sanford Airport Authority.*  
*Educational exhibits by Audubon of Florida, Center for Birds of Prey, Maitland, Florida and Central Florida Zoo & Botanical Gardens, Sanford, Florida*

1400-1630    **TOUR OF ORLANDO SANFORD INTERNATIONAL AIRPORT (SFB) and EXHIBITOR DEMONSTRATIONS**

1800-2000    **EXHIBITORS SOCIAL & POSTER SESSION** *(Grand E)*

2000        **USA vs. CANADA WATER VOLLEYBALL** *(Hotel Pool)*  
**HOSPITALITY SUITE BY O.R. COLAN & ASSOCIATES** *(Poolside)*

**THURSDAY, 21 AUGUST 2008**

## **BIRD STRIKE REPORTING**

*Moderator: James Stephen, Delta Airlines*

0800        **Teamwork by regions in large countries like Brazil - a good solution for bird strikes.** *Raul Moreira Neto, Brazilian Air Force, Brazil (24)*

0830        **The bird hazard report as a safety tool.** *Flávio Antonio Coimbra Mendonça, Brazilian Air Force, Brazil (25)*

0900        **Bird/wildlife strike reporting - UK CAA perspective.** *Nick Yearwood, CAA Safety Regulations Group, UK (26)*

0930 **A decade of US Air Force bat strikes.** *Susanne Peurach, Smithsonian Institution (27)*

1000-1030 **BREAK** (*Visit the Exhibitors*) (*Grand E*)

## TRAINING ISSUES

*Moderator: Matt Klope, US Navy*

1030 **Training for airport wildlife control personnel: the IBSC recommendation.** *Paul Eschenfelder, Avion Corporation (28)*

1100 **Airport wildlife management training - programs and best training practices now and for the future.** *John Ostrom, Metropolitan Airports Commission, MSP (29)*

1130 **Training airport personnel for wildlife hazards: organization, obligation, and expectation.** *John Weller, USDA Wildlife Services (30)*

1200-1330 **LUNCH** (*on your own*)

## WILDLIFE HAZARDS COAST TO COAST

*Moderator: Mike Begier, USDA Wildlife Services*

1330 **Edwards Air Force Base migratory bird report for the "Replace Main Base Runway" project.** *Amber Hoehn, Edwards Air Force Base (31)*

1400 **Dispersal patterns of a population of wild turkeys in relation to air traffic hazards at Pease International Airport.** *Angelic DeButts, USDA Wildlife Services (32)*

1430 **Stormwater management, grain production, birds, and aviation safety in the southern Great Plains.** *Phil Robinson, USDA Wildlife Services (33)*

1500 **Closing remarks.** *Richard Dolbeer, Outgoing Chair, BSC-USA and newly elected Chair.*

**Invitation to 2009 meeting in Canada.** *Scott Snow, Victoria Airport Authority, representing Bird Strike Committee Canada.*

1515-1400 **BSC-USA/CANADA Committee Discussion** (All Welcome)

**FRIDAY, 22 AUGUST 2008**

0830            **BUS LOADING FOR KENNEDY SPACE CENTER**  
0900            **BUS DEPARTS FOR KENNEDY SPACE CENTER**  
1000-1300      **POST-CONFERENCE TOUR - KENNEDY SPACE CENTER** (*cancelled because of Hurricane Fay; KSC had over 20 inches of rain between 19-21 August*)  
  
1315            **DEPART KENNEDY SPACE CENTER**

**Poster Presentations (on display for entire conference; Authors will be at posters during Wednesday Evening Exhibitor Social)**

**“Buzzard Be-Gone”:** suspending vulture effigies from roost structures to reduce the possibility of a bird strike. *Steve Ball, Wildlife Specialist, USDA Wildlife Services*

**The geese of Queens: movement and management of Canada geese in relation to New York City airports.** *Scott E. Clemons, Thomas W. Seamans, Allen L. Gosser, and Martin S. Lowney, USDA Wildlife Services.*

**The ornithological situation of military airfield in Deblin in the context of bird strikes.** *Janusz Cwiklak, Marek Grzegorzewski, Stefan Krop, Aviation Faculty, Polish Air Force Academy, Deblin, Poland*

**Improving the DNA Identification success rate of bird strike remains through better field collecting methods.** *Faridah Dahlan, Carla Dove, Marcy Heacker, Smithsonian Institution*

**Organizational efforts in aviation wildlife mitigation – University story.** *Paul Eschenfelder, Avion Corp.; Archie Dickey, Embry-Riddle Aeronautical University*

**Vulture management at Avon Park Air Force Range, Florida.** *John Humphrey, Michael Milleson, USDA Wildlife Services; Troy Hershberger, Avon Park Air Force Range; Michael Avery, USDA Wildlife Services*

**The use of endophytic turf grass to reduce bird and small mammal presence at airports.** *Theresa Kissane, Jeff Brawn and Bruce Branham, University of Illinois, Department of Natural Resources and Environmental Sciences*

**The use of an integrated Geographical Information System at South African Airports.** *Clair Patterson-Abrolat, Airport Wildlife Working Group, Endangered Wildlife Trust, South Africa*



**Developing strategies for long-term removal of raptors from airports in California.**  
*Todd Pitlik, USDA Wildlife Services*

**Assessing movement, site preferences, and environmental and social impacts of Canada geese across an urban landscape.** *M. Elizabeth Rutledge, Christopher DePerno, Christopher Moorman, North Carolina State University; Michael Begier, Brian Washburn, USDA Wildlife Services*

**Would you please move? Translocation of immature Bald Eagles to reduce bird strike risk.** *Alan Schumacher, Brian Washburn, John Hart, USDA Wildlife Services*

**As the worm turns: investigations into earthworm control on airports.** *Thomas Seamans, Glen Bernhardt, David Steyer, USDA Wildlife Services*

**Green roofs in the airport environment: pleasant dreams or nightmares?** *Ryan Swearingin, Craig Pullins, Travis Guerrant, Brian Washburn, USDA Wildlife Services*

**Assessing bird-aircraft strike hazard (BASH) risk associated with breeding and migrating Osprey.** *Brian Washburn, Thomas Olexa, Brian Dorr, USDA Wildlife Services*

**Rapid dispersal and long term effect on resident Canada geese by on-demand alarm and alert call playback reinforced with cracker/banger shells.** *Philip C. Whitford, Capital University, Biology Department*

**Establishment of tall fescue cultivars on the Marine Corps Air Station Cherry Point airfield.** *Keri Yankus, Brian Washburn, Michael Begier, USDA Wildlife Services*

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**Hosted by Orlando-Sanford International Airport**