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Annual Meeting; Baltimore, MD

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September 2004

## Technical Program for 6th Annual Bird Strike Committee Meeting, Baltimore 2004

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2004 Bird Strike Committee-USA/Canada 6th Annual Meeting; Baltimore, MD

**FINAL PROGRAM (Bird Strike Committee-USA/Canada)**

**The Technical Program has 36 oral presentations and 20 Poster Presentations**

**MONDAY, 13 SEPTEMBER 2004**

- 0800        **REGISTRATION** (*Constellation Foyer*)
- 0830-1000   **INTERNATIONAL BSC STEERING COMMITTEE MEETING** (*Charles Room*)
- 1000-1100   **BSC-USA STEERING COMMITTEE MEETING** (*Charles Room*)
- 1300-1700   **EARLY-BIRD PYROTECHNICS TRAINING** (*Constellation EF*)
- 1800-2000   **WELCOME RECEPTION** (*Atrium/Harborview*)  
                 Hosted by Maryland Aviation Administration

**TUESDAY, 14 SEPTEMBER 2004**

- 0700        **REGISTRATION** (*Constellation Foyer*)
- PLENARY SESSION
- 0800        **Welcome to BSC-USA/Canada - Richard Dolbeer, U.S. Department of Agriculture (USDA), Wildlife Services and Chairperson, BSC-USA**
- 0810        **Welcome to Baltimore – Paul Wiedefeld, Executive Director of Baltimore-Washington International Airport**
- 0815        **Keynote Address: John Goglia, NTSB Member (Retired)**
- 0840        **Plenary Address: Liability of the airport for bird strike damage by Ante Matijaca, Split Airport, Croatia (1)**
- 0900        **Multi-engine wildlife strikes to turbine powered aircraft by Ed Cleary, Federal Aviation Administration (2)**
- 0920        **A discussion of bird strike design issues for engines with obscured fans by Julian Reed, Rolls Royce, UK (3)**
- 0940-1000   **Questions for Speakers and Discussion**
- 1000-1030   **BREAK** (*Visit the Exhibitors, Constellation AB*)
- TECHNICAL SESSION I: AVIATION INDUSTRY & FAA PERSPECTIVES
- 1030        **Applying science to resolving land use issues: predicting the birdstrike risk from wetlands near airports by John Allan, Central Science Laboratory, UK (4)**

- 1050      **FedEx Express' approach to bird strike prevention** by Nedra Baum, FedEx Express (5)
- 1110      **European starlings and passenger loading bridges: An aviation industry-wide problem** by Robert Johnson, Kansas City International Airport (6)
- 1130      **Climate change: Is there a signature in the pattern of bird strikes?** by Tom Kelly, University College, Cork, Ireland (7)
- 1150      **Questions for Speakers and Discussion**
- 1210-1330      **BOX LUNCH PROVIDED** (Constellation Foyer)

## **TECHNICAL SESSION II: HABITAT & MANAGEMENT TECHNIQUES**

- 1330      **Comparison of two vegetation heights for wildlife control on airports** by Thomas Seamans, USDA, Wildlife Services, National Wildlife Research Center (8)
- 1350      **Statistical analysis of bird strike events and grass management to reduce bird strikes in Taiwan** by Shaopin Yo, National Chung Hsing University, Taiwan (9)
- 1410      **The effectiveness of grassland management at two South African airports** by Albert Froneman, Endangered Wildlife Trust (10)
- 1430      **Effects of mowing on the presence of grassland raptors** by Kerry Fitzpatrick, University of Maryland (11)
- 1450      **Questions for Speakers and Discussion**
- 1510-1540      **BREAK** (Visit the Exhibitors, Constellation AB)

## **TECHNICAL SESSION III: SPECIES-SPECIFIC MANAGEMENT**

- 1540      **An experimental approach to reduce aviation safety hazards associated with osprey activity at Langley AFB, Virginia** by Thomas Olexa, USDA, Wildlife Services (12)
- 1600      **Management of Australian white ibis in Australia: How targeted research can improve population management** by N. J. Murray, Ecosure (13)
- 1620      **Use of fencing to deter iguanas from airport runways at Luis Munoz Marin International Airport** by Pedro Quinones, USDA, Wildlife Services (14)
- 1640      **Using system safety to manage wildlife hazards: Canada geese as a case study** by Kristi Russell, Transport Canada (15)
- 1700      **Questions for Speakers and Discussion**

## **WEDNESDAY, 15 SEPTEMBER 2004**

*Special Morning Sessions with FAA Airport Certification Inspectors*

#### **TECHNICAL SESSION IV: AGENCY PERSPECTIVES AND ISSUES**

- 0800 **Not at our airport: A planner's approach to integrated wildlife management** by *Robin Bowie, Maryland Aviation Administration* (16)
- 0820 **Managing off-site wildlife hazards in your airport neighborhood (or Mr. Rogers meets the FAA)** by *Lisa Harmon, Jones & Stokes Associates* (17)
- 0840 **Maryland Aviation Administration's approach to stormwater management** by *Eileen Straughan, Straughan Environmental Services, Inc.* (18)
- 0900 **Interagency cooperation in the Rio Salado Restoration Project to mitigate wildlife hazards at Phoenix Sky Harbor International Airport** by *Krista Wenning, USDA, Wildlife Services* (19)
- 0920 **Washington Dulles International Airport construction and its implications on wildlife damage management** by *David Allaben, USDA, Wildlife Services* (20)
- 0940 **Questions for Speakers and Discussion**
- 1000-1030 **BREAK** (*Visit the Exhibitors, Constellation AB*)

#### **TECHNICAL SESSION V: BIRD BEHAVIOR AND MANAGEMENT**

- 1020 **Behavioral response of gulls to a lethal control program at a New York airport** by *Scott Barras, USDA, Wildlife Services, National Wildlife Research Center* (21)
- 1040 **Urban Canada goose management in western Washington: Using a unified political approach** by *Roger Woodruff, USDA, Wildlife Services* (22)
- 1100 **Progress with endophytes in grasses for the aviation industry** by *Chris Pennell, AgResearch Limited, New Zealand* (23)
- 1120 **Watching grass grow: Exciting possibilities with vegetation management to reduce wildlife hazards at airports** by *Brian Washburn, USDA, Wildlife Services, National Wildlife Research Center* (24)
- 1140 **Questions for Speakers and Discussion**
- 1210 **The Wildlife Hazard Control Tour of BWI: Results of five years of cooperative efforts between Maryland Aviation Administration and USDA, Wildlife Services** by *Kendra Cross, USDA, Wildlife Services* (25)
- 1220-1330 **BOX LUNCH PROVIDED** (*Constellation Foyer*)
- 1330-1700 **FIELD TRIP TO BALTIMORE INTERNATIONAL AIRPORT**
- 1800-2000 **MEET THE EXHIBITORS SOCIAL & POSTER SESSION** (*Constellation AB*)
- 2000 **USA vs. CANADA WATER VOLLEYBALL GAME** (*Weather permitting*)

**THURSDAY, 16 SEPTEMBER 2004**

0715-0815 **MILITARY/CIVIL BREAKOUT SESSION** (*Constellation EF*)

**TECHNICAL SESSION VI: BIRD AVOIDANCE MODELS & REMOTE DETECTION**

- 0820 **Toward an integrated North American Bird Avoidance System: Organizational and technology update** by *Russ DeFusco, BASH, Inc.* (26)
- 0840 **Current status of the German Real Time Bird Avoidance System** by *Wilhelm Ruhe, Bundeswehr* (27)
- 0900 **Distributing bird hazard information to aviators for risk management: The wireless future** by *T. Adam Kelly, DeTect, Inc.* (28)
- 0920 **Automated acoustic monitoring of bird strike hazards** by *Sam Pascarella, Advanced Acoustic Concepts, Inc.* (29)
- 0940 **Questions for Speakers and Discussion**
- 1000-1030 **BREAK** (*Visit the Exhibitors, Constellation AB*)

**TECHNICAL SESSION VII: MANAGEMENT TECHNIQUES**

- 1030 **Secrets in the freezer: Stomach analysis of struck birds provides clues to avian attractants at airports** by *Marsha Barden, USDA, Wildlife Services* (30)
- 1050 **Prey base monitoring and control to reduce predatory bird strikes at Portland International Airport** by *Sharon Gordon, Port of Portland* (31)
- 1110 **Agriculture as a land use to prevent wildlife strikes at airports** by *Aaron Spencer, USDA, Wildlife Services* (32)
- 1130 **A model for assessing risk categories for birds at airports using bird survey data** by *Phil Shaw, Ecosure, Australia* (33)
- 1150 **Questions for Speakers and Discussion**
- 1210-1330 **LUNCH** (*On Your Own*)

**TECHNICAL SESSION VIII: INTERNATIONAL BIRD STRIKE ISSUES**

- 1330 **The role of local community participation in the control of bird hazards at Entebbe International Airport** by *Gloria Kirabo, Uganda Civil Aviation Authority* (34)
- 1350 **Sources of birds causing strikes at Jomo Kenyatta International Airport and proposed management interventions** by *Shadrack Ngene, Kenya Wildlife Service* (35)

1410 **Problems and progress: 15 years of bird hazard prevention activities at Dar es Salaam International Airport, Tanzania** by *Kim Howell, University of Dar es Salaam, Tanzania* (36)

1430 **Questions for Speakers and Discussion**

1450-1520 **BREAK** (*Visit the Exhibitors, Constellation AB*)

TECHNICAL SESSION IX: BIRD STRIKE COMMITTEES & WRAP UP

1520 **The Brazilian Committee for Avian Hazard Control: Successful actions and outcomes** by *Jandrisson Gurgel do Amaral, Brazilian Air Force* (37)

1540 **Forty years of German Bird Strike Committee** by *Heinrich Weitz, Bundeswehr* (38)

1600 **BSC-USA Airport Wildlife Management Training Program: A final update** by *John Ostrom, Minneapolis-St. Paul International Airport* (39)

1430 **Questions for Speakers and Discussion**

1645 **Invitation to 2005 meeting in Vancouver and Closing Remarks** - *Bruce MacKinnon, Transport Canada and Chair, Bird Strike Committee Canada*

1700 **BSC-USA/CANADA Steering Committee Meeting** (All Welcome)

## **FRIDAY, 17 SEPTEMBER 2004**

0900-1200 **FEATHER IDENTIFICATION LAB OPEN HOUSE, SMITHSONIAN INSTITUTION, WASHINGTON, DC** (*Optional Field Trip*)

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# **POSTERS**

**Animal ambush at the airport: The extent and nature of terrestrial wildlife strikes with civil aircraft, USA 1990-2003** by *Sandra Wright, USDA, Wildlife Services* (P1)

**The effects of *Neotyphodium lolii* endophyte on Canada geese, finches, and gulls** by *Chris Pennell, AgResearch Limited, New Zealand* (P2)

**Influence of the number of repellent-treated and untreated food or water containers on intake in the European starling** by *Arla Hile, USDA, Wildlife Services, National Wildlife Research Center* (P3)

**Land use changes to manage wildlife hazards at a central Kansas airport** by *Devon McBride, USDA, Wildlife Services* (P4)

**How do birds react to approaching aircraft? Observations from the cockpit** by *Richard Dolbeer, USDA, Wildlife Services* (P5)

**Status of North American Canada goose populations in relation to goose strikes with civil aircraft** by *John Seubert, Wildlife Biologist (Retired)* (P6)

**Techniques to identify bird strike remains** by *Carla Dove, Smithsonian Institution* (P7)  
**Integration of avian risk management tools to characterize regional migration patterns to improve airfield safety** by *Gino Giumarro, Woodlot Alternatives, Inc.* (P8)

**USDA, APHIS, Wildlife Services at California airports** by *Derek Milsaps, USDA, Wildlife Services* (P9)

**The United States Air Force (USAF) BASH program: USAF's approach to resolving wildlife hazards on airfields** by *Melanie Presuto, USAF BASH* (P10)

**Habitat comparison of an airport expansion project** by *Robert Alexander, USDA, Wildlife Services* (P11)

**A Bird Avoidance Model for Northwestern Europe: Predicting the influence of environmental conditions of the spatial and temporal dynamics of bird movements** by *Judy Shamoun-Baranes, University of Amsterdam, Netherlands* (P12)

**Department of the Navy BASH Program: An update** by *Matthew Klope, Department of the Navy* (P13)

**Test your ability to identify bird strike remains** by *Matthew Klope, Department of the Navy* (P14)

**Nicarbazin as a reproductive inhibitor for resident Canada geese: The Oregon Field Study** by *Kimberly Bynum, USDA, Wildlife Services, National Wildlife Research Center* (P15)

**Memorandum of Agreement: Interagency commitment to reducing wildlife strikes to aircraft** by *Michael Begier, USDA, Wildlife Services* (P16)

**NWRC's Ohio Field Station: Research to alleviate wildlife-aviation conflicts** by *USDA, Wildlife Services, National Wildlife Research Center, Ohio Field Station* (P17)

**USDA, APHIS, Wildlife Services Airport Safety Program in North Carolina** by *USDA, Wildlife Services, North Carolina Airport Safety Section* (P18)

**Wildlife hazard management at Arizona airports** by *USDA, Wildlife Services, Arizona Airport Safety Program* (P19)

**Monitoring abundance of resident and migratory birds in Argentine Pampas: a tool to predict risk for bird-aircraft collisions?** By *María E. Zaccagnini, INTA, Proyectos Internacionales, Cerviño* (co-authors are *Sonia B Canavelli, Noelia C. Calamari, and Frank Rivera-Milan*) (P20)