

BSC USA

“State of the Committee”

North American Bird Strike Committee Conference

Dallas, TX

August 21-24, 2017

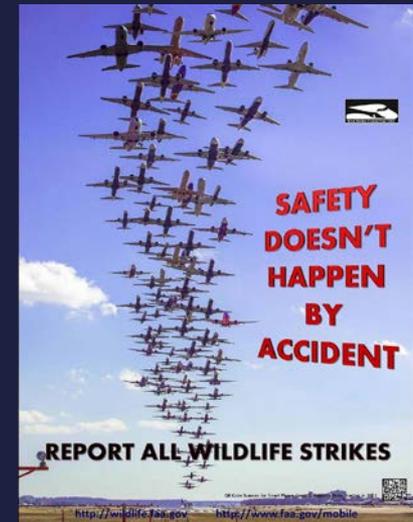
Sarah Brammell, Chair BSC USA



Bird Strike Committee USA

History of the Committee

- ◆ 1991 - BSC USA was established
 - ◆ First Chair – Jim Forbes, USDA/WS
 - ◆ FAA, USDA, US. Airports, USAF
- ◆ 1991 - Started Annual Meetings
- ◆ 1997 - Committee By-laws
- ◆ 1999 - Joint Meetings with Canada
- ◆ 2012 - MOU with FAA



Bird Strike Committee USA

Committee Role: ICAO and FAA

✦ ICAO

ICAO recommends each nation form a Bird Strike Committee to advise the Civil Aviation Authority -
Doc 9137 - Airport Services Manual Part 3, Wildlife Control and Reduction, 4th Edition 2012



✦ 2012 FAA-BSC USA MOU

“This Memorandum of Understanding (MOU) establishes a cooperative relationship between the Federal Aviation Administration (FAA) and the Bird Strike Committee USA (BSC-USA). The purpose of the partnership is to provide technical expertise and assistance to the FAA to help mitigate wildlife hazards to aviation.



Bird Strike Committee USA

Mission & Composition

- ✦ BSC USA is dedicated to providing leadership in managing wildlife hazards to aviation.

- ✦ Membership Categories

- ✦ Federal Aviation Administration
- ✦ U.S. Department of Agriculture/APHIS/WS
- ✦ U.S. Department of Defense
- ✦ U.S. Airports
- ✦ Private Sector Services
- ✦ Airlines
- ✦ Aerospace Industries
- ✦ General



5 Principal Objectives

1. Facilitate the exchange of information regarding the characteristics and management of wildlife hazards and risk to aviation safety ...



2. Promote the collection and analysis of accurate wildlife strike data for military and civil aviation in the USA to better:

- ◆ understand strike hazards and risk,
- ◆ promote and develop effective and appropriate programs and
- ◆ evaluate the efficacy of management programs.



5 Principal Objectives

3. Promote research and development of effective procedures, methods, and technologies for reducing aviation wildlife hazards and risk to aviation safety.
4. Promote professionalism in wildlife management programs on and near airports through training and advocacy of high standards of conduct for airport biologists and wildlife patrol personnel.
5. Serve as the national expert body and liaison to the Federal Aviation Administration (FAA), national/international Bird Strike Committees and other organizations.



Committee Structure

- ◆ 283 current BSC USA members
- ◆ Steering Committee
 - ◆ 30 voting positions
 - ◆ Established leadership succession
- ◆ 6 Standing Committees
 - ◆ Membership
 - ◆ Annual Conference
 - ◆ Communications
 - ◆ Research and Development
 - ◆ Operations and Policy
 - ◆ Education and Outreach



Outreach - Website

✦ www.birdstrike.org

The screenshot shows the homepage of the Bird Strike Committee USA website. At the top, there is a navigation menu with links for Home, About BSC, Conference, Wildlife Strikes & Mitigation, Gallery, Quick Press Kit, and Contact BSC. The main content area features a large banner for the 2017 North American Bird Strike Conference, held from August 22-24, 2017, in Dallas, Texas. Below the banner, there is a registration link for the 2017 Bird Strike Committee USA Annual Conference. The page also includes a section for the BSC Newsletter, a list of steering committee members, and a list of previous newsletters. The footer contains links to newsletters and documents.

Quick link for
Membership

Quick link for
Reporting a Wildlife
Strike

Quick links for
Resources

Sign up for Newsletter
via Email



Bird Strike Committee USA

Outreach - Newsletter

✦ Bird Strike Buzz



Bird Strike Buzz

Bird Strike Committee USA

Fall/Winter 2016
Volume 3, No. 2

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BSC USA Website

Check out our website for regulatory information, guidance and conference proceedings at:

<http://www.birdstrike.org/>

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Bird Strike Buzz - News from Bird Strike Committee USA

LIFETIME ACHIEVEMENT AWARD: SANDRA WRIGHT, MANAGER, FAA NATIONAL WILDLIFE STRIKE DATABASE (1995-2015)
Annex A, Volume 1, Part One (2016)

Sandra (Sandy) E. Wright, a native of Chicago, received her bachelor's degree in education from Northern Illinois University and her master's degree in education from Chicago State University. With a true love of nature and aviation, she has been a member of the local chapter of the Experimental Aircraft Association in Ohio and has co-piloted on countless trips to a Paper Chateau.

Sandy was hired by the Department of Agriculture in Sandusky, Ohio in 1995 to manage the National Wildlife Strike Database (NWSD) through an interagency agreement with the Federal Aviation Administration (FAA). With her knowledge of birds and aviation combined with adept computer and editing skills and a keen attention to detail, she was able to organize all wildlife strikes reported to the FAA starting in 1990 and accurately enter them into a database. Each report has over 90 data fields. She built the database from 1,800 reports in 1990 to 14,000 reports entered in 2015 when she retired (170,000 reports total for 1990-2015).

The number of strikes entered into the database is indeed impressive, but the most important accomplishment during Sandy's 20-year tenure was her ability to manage the quality and consistency of the data. Because of these efforts and accomplishments, this public database now provides a scientific foundation for FAA regulatory policies and guidance to manage the risks of bird strikes within the aviation industry. 20 design improvements for engine and aircraft manufacturers to minimize damage and risk to bird strikes, and 3 species-specific wildlife risk mitigation plans developed by airports and carriers to enhance aviation safety. Additionally, the NWSD contains a wealth of information of use to many fields of basic and applied ornithological research, as well as other areas of aviation safety.

In addition to managing the database, Sandy worked closely with personnel from a broad spectrum of the aviation industry, including the International Civil Aviation Organization (ICAO), to reduce the wildlife threat at airports. She wrote numerous articles and made presentations to promote an awareness of the need for accurately reporting wildlife strikes and to demonstrate how the database was being improved for aviation safety.



Sandra E. Wright
Photo courtesy of Richard Coulter

2016 Poster and Photo Contest

The Bird Strike Committee USA is pleased to announce the opening of the poster and photo contests to promote education and awareness of this year's conference theme, "One Community - No Boundaries". Entries must be received by 11:59 pm U.S. Central Standard Time, July 15, 2016.

Click [here](#) for contest guidance and entry forms.



Bird Strike Buzz - News from Bird Strike Committee USA

TORTOISES AT ORLANDO SANFORD
Ins, and John R. Waller

Part 139 (24 CFR 139) Section 305.305, key areas (RSAs) free of "hazardous obstructions". The safety areas must also be free of aircraft without causing airports in the FAA Southern Region or 24 CFR 139 due to holes in RSA. Her tortoises are listed as a threat.

A gopher tortoise is measured at Orlando Sanford International Airport at the runway pavement surface.

Photo courtesy of FAA

Ins in FAA Advisory Circular 150/5370-15B has been identified as a potential airport property with multiple benefits, such as providing reducing maintenance costs and attractive vegetative flood sources determined that research was necessary to assess artificial turf as a potential alternative to grass for airport properties.

Development Branch entered into an agreement with Orlando Sanford about a study on the applicability of artificial turf in the RSA to mitigate the presence of burrowing gopher tortoises. The study also investigated the potential for artificial turf to reduce the noise and vibration associated with aircraft operations, which was tested by using a specialized vehicle retrofitted with an aircraft at the approach end of Runway 18 was selected as the test site, and commencing 2014. Data was collected between May 1, 2014 and April 30, 2015.

The results from over a year of data collection and directed studies demonstrated that artificial turf is compatible with safe airport operations. It is able to provide environmental factors, is not attractive to other hazardous species, resists burrowing by gopher tortoises, and does not exhibit detrimental reduced braking during aircraft or vehicle operations. It was also determined that the artificial turf performed well during the occasional passage by operational vehicles, including fully loaded aircraft rescue and firefighting vehicles.

Source: http://www.faa.gov/airports/atsa/atsa-downloads/airports-safety-papers-publications-database/detail/detail.cfm?cid=ARTIFICIAL_TURF_AND_GOPHER_TORTOISES_AT_ORLANDO_SANFORD_INTERNATIONAL_AIRPORT

HATS IN A NAME?
as Lab

Interested in taxonomic species? Can't see just what we get here at the Smithsonian Feather

For one case a year, the Feather ID Lab has seen a noted on strike reports. Sometimes it's a case of a male, sometimes it's a case of a female, and sometimes it's a case of a bird. But the more casual bird identification from the field are usually common what descriptive, can have different meanings.

There was one at the Lab in "Tazara". For an bird (Hetero), which is a raptor found in Europe culture. While describing a bird struck by a plane strike, distinguishing between the turkey vulture (Ceryle alcyon) important for understanding differences in ecology associated with this bird.

That can mean different things "blackbird" for bird description - a bird that is black? Could be the blackbird, which is a bird found in the eastern U.S., or the blackbird or brown-headed cowbird, a bird species that is more a nuisance.

It reported from the northeastern U.S. in which it can be tricky to identify on a good day. We spent at the airport did a great job of doing it for this case. Our final ID was a white-tailed kite and looks similar to a white-tailed kite. It was confirmed that the aircraft had taken 1000 more than they occurred on take-off.

Encourage you from making notes on a bird ID species or bird activity observed. The Lab has seen, and we always consider more notes made by field personnel carefully. Stating that a bird was probably a "buzzard" is fine. This is just a reminder of the value and variety of information that a specific bird name can provide. In addition, using standardized taxonomic names helps to keep the database consistent and accurate. While we enjoy the occasional bird ID of "Fred" or "Number seven", the Smithsonian Feather ID Lab will continue to do its best to provide the most specific bird identifications possible.

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Outreach – Social Media

- ✦ Staying connected and sharing information

Bird Strike Committee USA
@BirdstrikeUSA

Home
About
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Create a Page

Liked Following Share ...

Send Message

Community Organization

Community

Invite your friends to like this Page

351 people like this
351 people follow this
Laura Francoeur and 7 other friends like this

About See All

Send Message
www.birdstrike.org
Community Organization

People Also Like

CorJo Wildlife Produc... Education Like
American Falconry ma... Media/News Company Like
Utah Merlin Meet Like

Posts

Bird Strike Committee USA
April 24 at 9:36am

CSI-BU (Bird Unit) featured on last week's Science Friday!

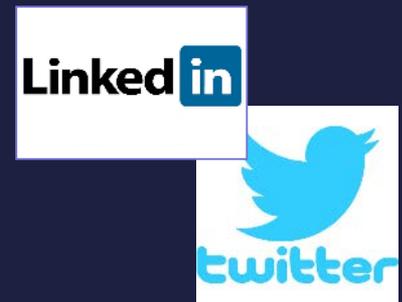
Feathers And Snarge: Identifying What's Left After Birds And Planes Collide - Science Friday

There's a CSI lab for birds that strike airplanes. The species that hits most often? Not the one you'd guess.

SCIENCEFRIDAY.COM

Like Comment Share

You, Amy Reed, Jenny Mastantuono and 23 others



Bird Strike Committee USA

Outreach Events

◆ Booth and Materials



2017 BSC USA Sun n Fun Air Show = Outreach



Bird Strike Committee USA

Outreach Events

✦ BSC USA Education Event List:

- **August 8-11, 2016 – BSC USA Conference, Chicago, IL**
- August 17-19 2016 – NAOC Conference, Washington, DC – Booth and ½ day workshop
- August 22-25, 2016 – ALPA Safety Forum Washington, DC – Booth (Outreach and Education)
- November 3-4, 2016 – Australian Aviation Wildlife Hazard Group Forum (R.Dolbeer presenting)
- November 15-16, 2016 – WBSE-2 Conference, Tamachi, Tokyo (S. Osmek presenting)
- December 5-9, 2016 – WBA Conference, Amsterdam, Netherlands (Presentation from BSC USA)
- March 6-9, 2017 – BSC Booth HAI Heli Expo - Dallas, TX
- April 4-5, 2017 – BSC USA Mid-Winter Meeting, Orlando International Airport
- April 4-9, 2017 – BSC Booth Sun-N-Fun Air Show (Outreach and Education)
- May 16-18, 2017 – ICAO/ACI Wildlife Strike Hazard Reduction Symposium (Attendance by BSC USA)
- July 24-30, 2017 – BSC USA Booth OSHKOSH Air Show (Education and Outreach)
- **August 22-24 – North American BSC Conference, Dallas, TX**
- September 2017 – Brazilian Wildlife Hazard Conference “Aerofauna” (R. Dolbeer keynote)



Current Initiative: Bird Strike Kits

- ◆ Portable “Bird Strike Kits”
 - ◆ 3 individual strike collection packets in each kit:
 - ◆ Large & small sealable bags
 - ◆ Purell wipes – SNARGE Collection
 - ◆ Latex gloves
 - ◆ Sharpie
 - ◆ How to Collect – One page instruction sheet
 - ◆ “Strike, Snarge & Safety” – Smithsonian & USDA training DVD





2017 NORTH AMERICAN
BIRD STRIKE
CONFERENCE *From Local Partnerships to Global Safety*
AUGUST 22-24, 2017 | DALLAS, TEXAS | UNITED STATES



Bird Strike Committee USA