

**AVAILABILITY OF AN ANNOTATED BIBLIOGRAPHY OF BIRD HAZARDS
TO AIRCRAFT (ABBHA)**

by
Jeffrey J Short
Wright Laboratory
Windshield Systems Technology Office
2130 Eighth St Suite 1
Wright-Patterson AFB, OH
45433-7042 USA

Summary

Wright Laboratory has produced an annotated bibliography of bird hazards to aircraft, termed ABBHA. The ABBHA currently brings together over 900 hundred citations on a wide range of topics such as bird strike tolerance engineering, bird hazard management and control, bird strike avoidance and bird remains identification. Citations included in ABBHA include books on bird hazards, working papers published in the proceedings of the Bird Strike Committees of Europe, Canada and the United States, studies published in scientific journals and research reports found in references collected such as those maintained by the National Technical Information Service, the National Aeronautics and Space Administration and the Defense Technical Information Center.

The ABBHA is available electronically and can be used with a variety of word processing or bibliographic software. Computerization of the ABBHA reduces distribution costs, allows for frequent updates and helps users locate references on topics of interest through the use of keyword "searches". An extensive list of key words has been devised which will facilitate retrieval of citations from ABBHA on a variety of topics. Copies of ABBHA can be obtained without charge and may eventually be hosted on the INTERNET.

The ABBHA was proposed at BSCE21 and demonstrated at BSCE22. A revised list of key words are presented for annotation of BSCE papers.

Key Words: Bibliographic, Literature Survey

ABBHA Keywords

Aerodrome Surveys	Bibliographic	Control Methods (cont)
Africa	Audio-visual	Trees and Shrubs
Asia and Middle East	Film/Video	Water
Australasia	Slide-tape	Lasers
Central/South America	Books/Manuals	Lights
Europe	Literature Survey	Mechanical Devices
North America	Symposia	Microwaves
Other		Pyrotechnics
		Repellent
		Remote Control
Aerodrome Design	Bird Populations	Aircraft
Facilities	Body Density/Weight	Watercraft
Landscaping	Diseases	Sound
Lighting	Flock Density	Bioacoustics
Siting	Marking/Banding	Infrasound
	Local Movements	Ultrasonics
	Migration	Trapping
	Physiology	
Attractants	Resident	
Agriculture	Roosting	Detection
Borrow Pits	Sensory	Electronic
Environmental	Auditory	Infrared
Food Sources	Olfactory	Radar
Carrion	Tactile	Sound
Garbage	Visual	Visual
Invertebrates		
Vegetative		
Vertebrates		
Lighting	Control Methods	Engineering
Landfills (rubbish tips)	Arm-waving	Aircraft System
Loafing/Safe Areas	Balloons	Airframe
Ronets	Chemical	Engines
Sewage	Depredation	Propellers/Rotors
Slaughterhouse	Eggs/Nests	Subsystems
Structures	Poisons	Transparencies
Water/Reservoirs	Predators	Aircraft Appearance
Weather	Shooting	Color
Wetlands	Dyes	Lighting
	Effigies	Markings
	Eyespots	Noise
Avoidance	Exclusion	Profile
Airfield Procedures	Net	Aircrew equipment
Enroute Manuevering	Sharp devices	Certification Standards
Maps	Wires	Finite Element
Preflight Planning	Falconry	Analyses
Warning Systems	Food Sources	Helicopter
Birdtam/Notam	Gas Cannons	Human Factors
Verbal Notification	Habitat Modification	Materials
	Buildings	Mathematical Models
	Long-grass	

Engineering (cont)	Public Relations
Optics	
Testing	Statistics
Bird Impact	Aircraft (type)
Substitute Birds	Airline
	Airport (name)
	Civil Aviation
	country
	ICAO
Hazard Management	General Aviation
Bird Control Team	Military Aviation
Forecasting	Low-level
Guidance	Reporting
Organization	
Plans	
Risk Assessment	
surveys	
Training	
Identification	
Biochemical	
Chromatography	
Electrophoresis	
Sorology	
Collection	
Feathers	
Macroscopic	
Microscopic	
Scanning Electron	
Preparation	
Legal Issues	
Conservation	
Domestic Animals	
Homing Pigeons	
Hunting	
Insurance	
Land Use	
Liability	
Mishap Investigation	
Permits	
Policy	
Regulations	
Standards	