

Index for data base. BSCE papers and documents

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Summary

According to decisions at BSCE 16 and 17 an index for data base concerning material within the sphere of interest of BSCE has been prepared. As the total possible material is very comprehensive the task has been reduced in this first edition to papers contained into the reports from the first eighteen meetings of BSCE. It's the hope of the author that it will be possible in the future to enlarge the document to include also other papers, books and audiovisual means so that the benefit of it will become even greater.

Background

The idea to develop a specific data base for all types of works concerning the bird problems of aviation came up already some time before BSCE 17 in Rome and was brought forward by me in a paper with the title "BSCE data bank. Proposal for an implementation". The matter had also been discussed within the Steering Committee of BSCE and I had started the task with the distribution of a questionnaire to all National Committees asking mainly for opinions about the contents of such a data bank: books and booklets, BSCE and other working papers, films and other audiovisual means etc. Many answers were received, some of them with long lists of national and international papers so I got a good material to start with. At BSCE 17 it was also decided to proceed with the matter, and change the name to "Index for data base" and include at least books and audiovisual means. Some members also wanted the data base to contain working papers from BSCE meetings as well as other wellknown papers published in order to promote work in our section of flight safety.

Aim and actual status of the work

After some completing questions to members of national committees I have started the work to compile a data base consisting of papers published in reports from all BSCE meetings over the years. This has reduced the task but on the other hand we have indeed carried out

a considerable work over the years so that the reports from the 18 meetings now occupy a half meter of a bookshelf and the total number of papers amounts to about 350. The aim of this compilation is reduced compared to the handling of all available material but I think it's still a good purpose to arrange all our own papers in a lucid way.

#### Arrangement of the data base

The material from the BSCE reports has been divided into the following 10 sections:

1. Statistics and analysis, Case histories. Risk birds
2. Aerodromes
3. Birds
4. Bird scaring
5. Flight procedures. Warnings
6. Aircraft structural problems and testing of airframes
7. Public relations
8. General on the bird hazard problem
9. Relationship with ICAO. Documentation, IBIS-system, state letters, workshops etc
10. BSCE. Way of working etc

Appendix 1 gives a more detailed description of the division of all material into subsections. It was found suitable to divide the first five sections or chapters into no less than 33 subsections in order to get a good distinction between all our different types of working areas. Concerning this division I had some help by a scetch made up by John Thorpe, CAA, UK so I thank him for his ideas. Thanks go also to Vital Ferry for the help I had in my work from his paper at BSCE 14 "The first ten years of BSCE" which contained a list of all lectures/papers from 1966 to 1975. This compilation made my present work a bit easier. Finally John Widdall from ICAO European office has given me some ideas on the contents.

By these words I would like to hand over the index for data base now at hand to the BSCE community in the hope that the document will att least sometimes make it easier to find out details of the work that has been carried out before within our circles.

Index for BSCE papers and documents

1. Statistics and analysis. Case histories. Risk birds
  - 1.1 Civil statistics
  - 1.2 Military statistics
  - 1.3 Helicopter bird strikes
  - 1.4 Bird strikes to general aviation aircraft
  - 1.5 Individual airports and bird strikes
  - 1.6 Case histories. Serious strikes
  - 1.7 Collisions and risks concerning particular groups of birds
  - 1.8 General on bird strikes
  
2. Aerodromes
  - 2.1 Airport planning
  - 2.2 Environment of airports
  - 2.3 Garbage dumps
  - 2.4 Use of land. Ground cover. Handling of grass
  - 2.5 Specific and general studies
  - 2.6 National regulations
  
3. Birds
  - 3.1 Populations
  - 3.2 Identification. Weights of birds
  - 3.3 Visual observations including nest control  
Particular problem birds
  - 3.4 Movements/migration. Use of radar for bird studies
  - 3.5 Migration forecasts
  - 3.6 Birds and weather including biometeorology
  - 3.7 Concentration maps

4. Bird scaring
  - 4.1 Use of pistols and guns. Pyrotechnical projectiles
  - 4.2 Acoustic (distress calls etc)
  - 4.3 Effigies of birds
  - 4.4 Sheltering by nets
  - 4.5 Falconry and radio controlled model aircraft
  - 4.6 Use of lights
  - 4.7 Laser light
  - 4.8 Chemical agents
  - 4.9 General on methods for bird scaring
  
5. Flight procedures. Warnings
  - 5.1 Operating restrictions
  - 5.2 Pilots and birds. Avoiding of birds
  - 5.3 Warnings
  
6. Aircraft structural problems and testing of airframes
  
7. Public relations
  
8. General on the bird hazard problem
  
9. Relationship with ICAO. Documentation, IBIS-system, state letters, workshops etc
  
10. BSCE. Way of working etc

1. Statistics and analysis. Case histories. Risk birds.

1.1 Civil statistics

1.	van Dusseldorp J and Thorpe J	Bird strikes during 1976 to European registered civil aircraft (1978)	13/7
2.	Efanov B and Malakov E	Results of the analysis of birdstrikes to Acroflot registered aircraft for the period from 1970 to 1979 (1981)	15/29
3.	Goryachev V	Analysis of birdstrikes in USSR civil aviation (1974)	9/4
4.	Grubh R	Bird strikes in India (1982)	16/20
5.	Keil W	Birdstrike situation in Lufthansa 1970 (1971)	6/7
6.	Keil W	An analysis of the bird strike reports from Lufthansa (1972)	7/11
7.	Nankinov D	Collisions of Bulgarian civil aircraft with birds (1982)	16/23
8.	Peresempio R	Italian bird strike statistics 1981-1983 (1984)	17/13
9.	Politt W	The problem of birdstrikes in statistics and analysis (1974)	9/5
10.	Rogachev A and Trunov O	Some statistic data on bird strikes to aircraft and helicopters over the territory of the Soviet Union (1977)	12/5
11.	Thorpe J	Analysis of bird strikes	7/12
12.	Thorpe J	Six years of birdstrikes in the UK	8/11
13.	Thorpe J	Birdstrikes during 1972 to European registered civil aircraft	9/2
14.	Thorpe J	Birdstrikes during 1973 to European registered civil aircraft (1975)	10/2
15.	Thorpe J	Birdstrikes during 1974 to European registered civil aircraft (1976)	11/2
16.	Thorpe J	Birdstrikes during 1975 to European registered civil aircraft (1977)	12/2
17.	Thorpe J	Birdstrikes 1977 civil aircraft (1979)	14/11
18.	Thorpe J	Birdstrikes during 1978 to European registered civil aircraft (1981)	15/4

19.	Thorpe J	Birdstrikes during 1980 to European registered civil aircraft (1982)	16/14
20.	Thorpe J	European airlines bird strikes 1976/1980 (1984)	17/3
21.	Thorpe J	Birdstrikes during 1982 to European registered civil aircraft (1984)	17/25
22.	Thorpe J	Birdstrikes during 1981 to European registered civil aircraft (1984)	17/26
23.	Thorpe J	Birdstrikes during 1983 to European registered civil aircraft (1986)	18/21
24.	Trunov O and Rogatchev	Bird strikes to Aeroflot registered aircraft and some general airworthiness requirements (1979, also under 6)	14/30

## 1.2 Military statistics

1.	Austin T	Military aircraft birdstrike analysis, 1974 (1981)	11/28
2.	Austin T	Military aircraft birdstrike analysis, 1976 (1978)	13/7B
3.	Bird Strike Committee	Statistics concerning birdstrikes at the BAF 1956 to 1965 (1966)	1/1
4.	Gezellius J and Alerstam T	Bird-aeroplane collisions at low altitudes (1972)	7/10
5.	Hild J	Birdstrikes in the German Air Force during 1968 (1969)	4/4
6.	Hild J	Birdstrikes in GAF 1970 (1971)	6/8
7.	Hild J	Birdstrike situation in GAF (1972)	7/9
8.	Hild J	Birdstrikes, German Air Force 1974-1975 (1976)	11/12
9.	Hild J	Bird strikes in German Air Force 1968-1976 (1977)	12/5
10.	Kingston P	Birdstrikes 1977 military aircraft (1979)	14/12
11.	Kingston J	Military aircraft bird strike analysis (1981)	15/5
12.	Leeming G	Military aircraft bird strike analysis 1979 (1982)	16/15
13.	Leeming G	Military aircraft bird strike analysis 1980 (1982)	16/15a
14.	Leeming G	Military aircraft bird strike analysis 1981 (1984)	17/8
15.	Leeming G	Military aircraft bird strike analysis 1982 (1984)	17/9
16.	Salter A	Military aircraft bird strike analysis 1972 (1974)	9/1
17.	Salter A	Military aircraft bird strike analysis 1973 (1975)	10/3
18.	Thompson M and De Fusco R	1984-85 USAF birdstrike report (1986)	18/8
19.	Turner C	Military aircraft bird strike analysis 1983-1984 (1986)	18/30

### 1.3 Helicopter birdstrikes

1.	Hild J	Birdstrikes on helicopter in German Air Force (1978)	13/4
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### 1.4 General aviation aircraft

1.	Thorpe J	Some notes on analysis of bird strikes to UK general aviation aircraft (1978)	13/32
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### 1.5 Individual airports and bird strikes

1.	Agat I and Suaretz S	Summary of bird aircraft collisions at Ben Gurion airport 1983 (1984)	17/12
2.	Bakker C	Birdstrikes during 1985 (KLM)	18/34
3.	Lind H	Bird strikes in Copenhagen airport during a 10 year period	17/23



1.6 Case histories. Serious strikes.

1.	Hoffman O	Bird strikes to German registered aircraft in 1983 which caused high repair costs (1984)	17/11
2.	Thorpe J	Bird strikes to engines (1976)	11/3
3.	Thorpe J	Fatal accident to HS 125 executive jet (1976)	11/21
4.	Thorpe J	Accidents and serious incidents to civil aircraft due to bird strikes (1982)	16/16
5.	Thorpe J	Serious bird strike incidents to civil aircraft 1981 and 1982 (1982)	16/16a
6.	Thorpe J	Incident analysis report No 82/1982	16/22
7.	Thorpe J	Serious bird strikes to civil aircraft 1981-1984 (1984)	17/27
8.	Thorpe J	Serious bird strikes to civil aircraft 1984 & 1985	18/4

1.7 Collisions and risks concerning particular groups of birds

1.	Bruderer B	Collisions of aircraft with birds of prey in the Alps (1978)	13/5
2.	Buurma L	Bird weight and aircraft speed in bird strike statistics (1982)	16/17
3.	Dekker A and Buurma L	On the spatial and temporal distribution of bird species involved in RNLAf bird strikes	17/14
4.	Grubh R	Whitebacked vulture and Pariah Kik as two major problem birds at Indian aerodromes (1982)	16/19
5.	Short J	Modelling relative waterfowl risk along low level routes (1981)	15/18

1.8 General on bird strikes

1.	Bakker C	Bird strikes during 1983 (1984)	17/18
2.	Cesbron-Lavau H	Global statistical approach of the birdstrike	10/11
3.	Cesbron-Lavau H	Global statistical approach of the birdstrike (1976)	11/18
4.	Harrison M	Avoiding bird strikes	18/28
5.	Hild J	Reports on birdstrikes in Germany (1968)	3/10
6.	Hild J	Birdstrikes in Germany 1969 (1970)	5/1
7.	Karlsson J	Bird strikes in Sweden 1967-1974 (1975)	10/17
8.	Keil W	Exchange of information about bird-strikes	6/9
9.	Schwarzenbach T	The bird strike reporting system in Swissair (1978)	13/6
10.	Smith T	Study of bird strikes at Canadian airports	15/11
11.	Thorpe J	The computer analysis projekt (1978)	13/8
12.	Thorpe J	Accidents and serious incidents due to bird strikes to transport aircraft (1981)	15/26
13.	Turesson L-0	Proposal concerning the distribution of birdstrike reports (1976)	11/6

## 2. Aerodromes

### 2.1 Airport planning

			Ref.
1.	Maron J	Bird strike problems of the projected airport Munchen II (1976)	8/10
2.	Karlsson J and Turesson L-O	Preliminary works before the opening of Malmö/Sturup airport (1973)	11/27

## 2.2 Environment of airports

1.	Dahl H	Sanctuaries in the vicinity of airports	13/11b
2.	Dahl H	Trees and bushes in the vicinity of airports (1978)	13/11c
3.	Hild J	Agricultural investigations on German air bases (1969)	4/7
4.	Hild J	Meteorological aspects on agricultural methods of scaring birds (1969)	4/8
5.	Hild J	Ecological research of Decimonnannu airfield (1970)	4/4
6.	Hild J	Bird strike problems on airbase Decimonnannu, Sardinia (1984)	17/17
7.	Keil W	Ecological research at Hamburg airport (1967)	2/3
8.	Keil W	Ecological research in aerodrome traffic zone and its results (1972)	7/6
9.	Stenman O	Bird control at Helsinki/Vantaa airport, Finland (1979)	14/33

### 2.3 Garbage dumps

1.	Dahl H	Garbage dumps in the vicinity of airports (1978)	13/10a
2.	Stone R	Synergised ammonium sulphate in the control of birds at airports. Appendix A (1976)	11/23
3.	van Wessum H	Garbage dump problems in the Netherlands and the need for rules and research	17/34

2.4 Use of land. Ground cover. Handling of grass

1.	Briot J	The attempt to get rid of the wood pigeons (Columba Palumbus) from Orly airport (1976)	11/22
2.	Briot M	Treatment of lawns on the Paris airports (1982)	16/8
3.	Brough T	Experimental use of long grass in the UK (1971)	6/1
4.	Buurma L and Heijink J	Practical and economical aspects of grassland management at some Dutch airbases (1978)	13/33
5.	van Camp M	Some proposals for alternative ground covering vegetation on airfields (1981)	15/19
6.	Dahl H	Use of land in the vicinity of airports (1978)	13/10c
7.	Dahl H	Length of the grass along the runways (1978)	13/11a
8.	Hild J	Mixtures of grass seed for airports (1971)	6/4
9.	Hild J	Special considerations about handling of grassland areas (1973)	8/9
10.	Hild J	Growth prohibiting substances and effects on grassland areas (1976)	11/13
11.	Hild J	A new problem on scaring birds on airfields induced by painting trees and shrubs (1976)	11/14
12.	Hild J	About effects of agricultural and grassland use on airfields - reducing bird populations (1978)	13/14
13.	Klaver A	Longterm grassland exploitation at Sciphol airport, Amsterdam (1982)	16/6

## 2.5 Specific and general studies

1.	Becker J	General considerations about entomological investigations (1973)	8/8
2.	Bruderer B	Bird problems as discovered at Zurich airport	7/5
3.	Laty M	Risks for birdstrikes created by black headed gulls on Nice/Cote d'Azur airport (1974)	9/10
4.	Laty M	The black headed gulls with their assigned quarters in Nice (1975)	10/9
5.	Seaman E	Recent research findings of USAF in bird control at airfield (1967)	2/1
6.	Stortenbeker C	Bird strike problems at Schiphol airport (1967)	2/2
7.	Stortenbeker C	Progress report of Schiphol airport (1968)	3/5



## 2.6 National regulations

1.	Dahl H	New Danish regulations regarding management of airports (1984)	17/21
2.	Eis S	Report on permissions granted by the Wildlife Administration in 1985 concerning deviation from the general rules of hunting ..... (Denmark) 1986	18/20
2.3	Keil W	Experiences with the bird strike regulations of the Federal Ministry of Transport since 1974 (1979)	14/16

### 3. Birds

#### 3.1 Populations

1.	Caithness T	Control of a breeding population of Larus species near a New Zealand airport (1984)	17/30
2.	Clausen M	Electronic counting of birds (1973)	8/7
3.	Dutch working party on the prevention of bird strikes	Literature survey of the distribution and group behaviour of gulls in the Netherlands (1986)	15/29
4.	Heirman J	Further lapwing investigations on Beauchevain (1975)	10/6
5.	Heirman J	A Belgian bird strike risk map based on ration bird per area (1975)	10/7
6.	Hild J	Bird flutuations on airfields during the year (1969)	4/10
7.	Holm Joensen A	The use of waterfowl count data in birdstrikes work in Denmark (1975)	10/18
8.	Hunt F	Bird density and the bird strike risk (1976)	11/15
9.	Jacobs T	Experiment of presentaiton of actual bird intensity in a "0 to 8" scale on a display unit (1976)	11/10
10.	Kuyk F	Distribution patterns of gulls around Schiphol airport and Leeuwarden airbase in the period August 1980-April 1981 (1981)	15/27
11.	Lindh H	The problem of black-headed gulls (Larus Ridibundus) breeding near airports (1986)	18/19
12.	Louette M	The distribution of the black headed gull in Belgium (1972)	7/2
13.	Mikk F	Hawks at Leeuwarden airbase (1969)	4/9
14.	Slot J	Hawk at Leeuwarden airbase (1968)	3/2
15.	Ulfstrand S	How many birds are there in Sweden? (1975)	10/21

### 3.2 Identification. Weights of birds

1.	BSCE	Identification of feather remains	15/30
2.	De Bont A and Boomans J	Strategies for the identification of bird remains from birdstrikes (1986)	18/12
3.	Brom T and Buurma L	The quality of identification: a microscopic key to determination of feather-remains (1979)	14/19
4.	Brom T and Buurma L	The quality of identification: its effects on birdstrike statistics (1979)	14/20
5.	Brom T	Identification of bird remains for birdstrike analysis: A literature synopsis (1986)	18/23
6.	Brough T	Average weights of birds	17/10
7.	Finely H	Birdweight and airport manual (1968)	3/3
8.	Laybourne R	Identification of bird remains from bird aircraft incidents by the mac- rostructure on the downy part of the feathers (1984)	17/24
9.	Lind H	The identification of bird remains as part of the bird strike reporting procedure (1978)	13/3
10.	Rochard J and Horton N	Birds killed by aircraft in United Kingdom 1966-1976 (1977)	12/4
11.	Solman V	Amino acid contents of birds (1968)	3/9

3.3 Visual observations including nest control. Particular problem birds

1.	Bentz P	Greenland snow buntings in transit at Andöya airport in northern Norway (1984)	17/22
2.	Blokpoel H	Ring-billed gull versus flight safety; a continuing conflict in Ontario, Canada (1984)	17/35
3.	Bruderer B	Bird observations at Zurich airport	13/18
4.	Dahl H	Homing pigeons in the vicinity of airports (1978)	13/10b
5.	Hild J	German system of visual observation of bird migration	5/6
6.	Jacoby V	Ornithological researches in the USSR (Birdstrike problems) (1972)	7/4
7.	Laty M	Birds on airports. The reason for their presence (1982)	16/9
8.	Lind H	An attempt to reduce Herring Gull population on Saltholm (1971)	6/2
9.	Ruiz J and Morera P	Study structure of bird and ecosystems in Spanish airports (1986)	18/33
10.	Suter W	Roosting and feeding flights of black headed gulls in the region of Zurich airport (1978)	13/19

### 3.4 Movements/Migration. Use of radar for bird studies

1.	Alerstam T	Spring migration of cranes over southern Scandinavia (1975)	10/16
2.	Barra B and Labozzetto B	Air traffic control radar data analysis and bird movements detection (1986)	18/22
3.	Becker J	The use of radar data for bird strike prevention in Germany (1986)	18/5
4.	Bertrand and Dupont	Bird observation system Semmerzake (1984)	17/37
5.	van Berwielen	Report on the second radar W G meeting (1968)	3/11
6.	Blackwell F	Use of bird activity modulation waveforms in radar identification (1972)	7/1
7.	Blackwell F	Analysis and classification of bird flights and echo data from radar	9/15
8.	Broadfoot	Progress in the detection of bird movements at Gold lake (1968)	3/12
9.	Brough T	Estimating the physical dimensions of birds by radar (1974)	9/16
10.	Bruderer B	Bird/Weather/Radar work in Switzerland	6/13
11.	Buurma L	Autumn radar study of the coastal migration in western Holland (1977)	12/12
12.	Buurma L	Pattern of bird migration over the Netherlands: a classification illustrated with radar film (1979)	14/21
13.	Dupont G	Bird observation system Semmerzake (1986)	18/16
14.	Ferry V	Bird warning with the aid of airfield radar (1968)	3/6
15.	Ferry V	Radar observation methodology and procedures used by ATC (1972)	7/13
16.	Gauthreaux S	Image intensification: A new method of studying nocturnal bird migration (1979)	14/8
17.	Hild J	European bird migration map	3/13
18.	Hild J	Progress report European bird move-	4/1

		ment W G (1969)	
19.	Hild J	Report about Bird movement W G	6/14
20.	Hild J	Result of bird movement W G (1973)	8/3
21.	Hild J	Agenda for meeting Bird Movement Working Group (1986)	18/11
22.	Houghton W	Research on the radar properties of birds in UK	3/8
23.	Houghton W	Radar echoing areas of birds (1969)	4/6
24.	Houghton W	Bird/weather and anomalous propagation echoes on radar (1970)	4/5
25.	Houghton W	ATC and the bird radar surveillance without tears (1971)	6/12
26.	Houghton W	Highlights of the NATO-Gibraltar bird radar study	8/6
27.	Houghton W	A radar study of wild duck (1975)	10/1
28.	Houghton W, Blackwell F, Brought T and Wilmot T	A radar study of waders (1976)	11/4
29.	Hunt F	Radar detection of birds in an operational environment	9/14
30.	Jacoby V	Local and migratory movements of birds (1969)	4/2
31.	Jacoby V	Migrating birds and their danger to aeroplanes (1976)	11/5
32.	Jacoby V	Possibility to use precision approach radars for bird strike prevention (1984)	17/7
33.	Keil W	First results on crane migration (1967)	2/5
34.	Komarov V and Vasilenko	Results and perspectives of radar ornithology in the USSR (1982)	16/11
35.	Larsson B	Height distribution of bird movements in southern Sweden measured by radar Sept-Oct 1975 (1976)	11/7
36.	Laty M	Geographical influence on flights of migratory birds in southeast of France (1979)	14/7
37.	Rooseleer G	Daily movements of black headed gulls in the region of Brussels airport (1981)	15/16
38.	Soetens G	Experimental bird counting with a real time computer (1975)	10/8

### 3.5 Migration forecasts

1.	Alerstam T and Larsson B	A forecast system for bird migration in Sweden	14/4
2.	Blokspoel H	The predictability of spring migration of snow geese across southern Manitoba, Canada (1979)	14/9
3.	Blokspoel H	Prediction of the spring migration of snowgeese (1975)	10/10
4.	Hild J	Procedure of birdstrike warning forecasting advisory in GAF (1973)	8/4
5.	Hild J	Birdstrike-risk-forecast (1977)	12/1
6.	Hild J	Biophenological observation-and information service in GAF, a help for birdstrike-risk forecast (1978)	13/20
7.	Larsson B	Continuous work with the migratory bird forecasting system presented at BSCE 12	13/16
8.	Louette M	Bird migration forecasting (1973)	8/1
9.	Rabøl J	Forecast models for bird migration intensities in Denmark (1974)	9/8
10.	Robijn R	Computational procedure for bird migration forecasting (1973)	8/2
11.	Noer H	Recent development of the Danish bird migration forecast system (1971)	6/11

### 3.6 Birds and weather including biometeorology

1.	Alerstam T	Visible bird migration and weather (1974)	9/11
2.	Bruderer B	Multiple regression analysis of weather and migration data (1974)	9/7
3.	Bruderer B	Weather dependence of height, density and direction of migration in Switzerland (1977)	12/11
4.	Gauthreaux S	The influence of weather variables on the density of nocturnal migration in spring (1977)	12/10
5.	Hild J	Large scale weather situations and influence on bird migration during seasons of the year (1978)	13/17
6.	Leith H	Some remarks on the influence of biometeorology on birds life (1981)	15/12



### 3.7 Concentration maps

1.	Heirman J and Boomans J	Low level flight birdstrike risk map for Belgium (1976)	11/17
2.	Hild J	Vulnerability maps (1968)	3/7
3.	Hild J	Bird hazard maps for Europe (1972)	7/8
4.	Joensen A	European bird hazard map, Denmark (1975)	10/14
5.	Karlsson J	Surveys of bird concentration areas as a tool in aviation safety work with an example from Sweden (1977)	12/13

#### 4. Bird scaring

##### 4.1 Use of pistols and guns. Pyrotechnical projectiles

1.	Manuel J	Exxperimntal comparison of three bird strike test techniques using different projectiles (1984)	17/31
2.	Short J	Evaluation of pyrotechnic birdscare devices (1981, not in the report)	15/9

##### 4.2 Acoustic (distress calls etc)

1.	Beuter K and Weiss R	Properties of the auditory system in birds and the effectiveness of acoustic scaring signals (1986)	18/3
2.	Efanov B	Increase of efficiency of the mobile bio-acoustic system for scaring birds within the airport area (1986)	18/32
3.	Möllen G	Use of distress calls for scaring birds on airfields in Norway	6/3
4.	Stortenbeker E	Bird dispersal with acoustical and visual means (1972)	7/3

##### 4.3 Effigies of birds

1.	Zurich airport authority	First experience with seagull models at Zurich airport (1978)	13/13
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##### 4.4 Sheltering by nets

1.	Herzig M	Approaches to protect endangered areas on airports from bird population by Xironet (1978)	13/15
2.	Pratt K	Use of plastic netting to control birds in aircraft hangars (1982)	16/24

#### 4.5 Falconry and radio controlled model aircraft

1.	Agat I and Suaretz S	Operation of radio-controlled model aircraft for expelling birds from Ben Gurion International airport and surroundings (1982)	16/3
2.	Briot M	New attempt of use of remote controlled model aircraft (1982)	16/7
3.	Duro Crespo D	Practical observations on falconry as a bird deterrent method on airports (1984)	17/36
4.	Hild J	Falconry as a bird deterrent on airports (1984)	17/16
5.	Rodrigues de la Fuente F	Falconry for the control of birds on airports	6/5

#### 4.6 Use of lights

1.	Jacoby V	Plane as a deterrent and attractent (1977)	12/15
2.	Kuhring M	Progress in the effect of microwave radiostation (1968)	3/1
3.	Laty M	Startling of birdsby light, experimental devices, current research (1976)	11/11
4.	Verheyen F	Effect of light beams on birds (1979)	14/10

#### 4.7 Laser light

1.	Dahl H	Experiments on the use of laser and symbolic lights on birds (1981)	15/6
2.	Mossler K	Laser and symbolic lights on birds in order to prevent bird aircraft collisions (1979)	14/17
3.	Ståhl L and Johansson S	Studies of birdreactions, cause when exposed to laser light (1975)	10/12

#### 4.8 Chemical agents

1.	Caithness T	A granulated insecticide to control invertebrates on airfields (1986)	18/24
2.	Dahl H	Use of chemicals to make the soil of the airport surroundings unattractive (1978)	13/12a
3.	Dahl H	Experiments on and the use of chemical agents as bird repellents on aerodromes (1981)	15/7
4.	Dar D	Summary of tests carried out at the international Ben Gurion airport with "Bird repellent Reta" (1976)	11/26
5.	Dar D	Treatment for repelling birds at Ben Gurion international airport (1977)	12/9
6.	Hild J	Some investigations on the efficiency of radiation and teargas (1969)	4/11
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11.	Stone R	Development of the theoretical construct of synergised aluminium ammonium sulphate for the control of birds at airports (1977)	12/8
12.	Suarez S and Agat J	Summary of results of spraying with "RETA" repellent at Ben Gurion airport 1974-1979 (1979)	14/32
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3.	Schneider E	The result of prevention of birdstrikes in Denmark (1973)	8/12

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5.	Kull R	Bird avoidance for military low-level operations in the U.S (1984)	17/29
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7.	Sanche J	On the operational use of bird strike informaiton from a pilot's view (1978)	13/38
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5.	De Fusco R	Bird hazard warning using next generation weather radar (1986)	18/7
6.	Hild J	New procedures for publication of bird warnings and forecasts (1979)	14/14
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14.	Richards P	Manual for the design of bird impact resistant structures and transparencies (1984)	17/2
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17.	Speelman R	Enhancement of aircraft subsystem bird strike resistance to bird impact (1981)	15/18
18.	Speelman R and Mc Carty R	Improvement of aircraft windshield system bird strike resistance (1984)	17/4
19.	Speelman R	Enhancement of F/RF-4 transparency system, bird impact resistance (1986)	18/17
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21.	Weaver A	Bird hazards to large transport aircraft engines (1986)	18/29
22.	Wolleswinkel H	Bird impact capacity of civil aircraft (1969)	4/3
23.	Wooding M	Test of a device for the protection of aircraft gas turbine engines against bird strikes (1979)	14/24

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2.	Hild J	Public relations in Germany (1973)	8/13
3.	Lid G	Bird strike problem and public relations in Norway (1973)	8/14

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2.	Alerstam T and Karlsson J	Current work on the problem of collisions between birds and aircraft in Sweden (1976)	11/8
3.	Austin T	Birdstrike - The airport manager's brief (1976)	11/24
4.	Bakker C	Information to pilots about the danger of bird strikes (1979)	14/27
5.	Belgian national committee	Progress report from Belgium	6/6
6.	Bokspoel H	Presentation of a book on bird hazard problems (1973)	8/16
7.	Blokspoel H	Bird hazards to aircraft (1975)	10/23
8.	Boomans J	Synopsis of the organization and activity of BSC in Belgium 74-75 (1975)	10/5
9.	Briot M	Solution propre a la France: sensibilisation des personnels (1979)	14/23
10.	Briot J	Last French experiments concerning bird strike hazards reduction (1981-1986)	18/18
11.	Buurma L	Birdstrike prevention success and malaise in the RNLAf (1975)	10/13
12.	Dahl H	Economical and operational aspects of bird prevention measures (1982)	16/18
13.	van Geuns A	Birdstrike prevention at airports. A continuous story ... (1982)	16/5
14.	Harrison M	United States initiatives in bird hazard reduction (1979)	14/6
15.	Helkamo H	Bird control at Helsinki/Vantaa airport in 1978-1981 (1982)	16/4
16.	Hild J	New orders to the GAF for prevention of birdstrikes (1970)	5/3
17.	Hild J	The birdstrike problem in GAF (1974)	9/6
18.	Hild J	New organization of German Board for bird strike prevention	15/25
19.	Hild J	Recommendations for bird control on airports (1984)	17/15

20.	Jacoby V	Introduction to birdstrikes in USSR (1974)	9/3
21.	Keil W	Work instructions for the birdstrike representatives . . . . (1979)	14/15
22.	Kuhring M	Projects of the Canadian BCS (1972)	7/7
23.	Laty M	Research activities on bird problems in France (1973)	8/15
24.	Luniak M	Polish ornithological investigations and bird strike problems (1974)	9/13
25.	Marcal G	Propositions de recommandations (Dispositif d'intervention immediate sur les aeroportes)(1978)	13/31
26.	Marcal G	Bird risk and air safety - Proposals of recommendations (1979)	14/29
27.	Rogachev A	The status of aeronautical ornithology problems in the civil aviation of the USSR (1982)	16/10
28.	Rooseleer G	A "Know your bird" poster (1981)	15/14
29.	Rooseleer G	A proposal of a check-list for bird strike prevention on airfields (1981)	15/15
30.	Short J	Handbook on bird management and control (1981)	15/17
31.	Seubert J	Current activity concerning the U.S bird/plane strike problem (1975)	10/22
32.	Seubert J	DC-10 Incident at John F Kennedy International Airport (1976)	11/9
33.	Solman V	Progress made in Canada (1974)	9/9
34.	Solman V and Thurlow W	Reduction of wildlife hazards to aircraft (1986)	18/10
35.	Stenman O	Progress in bird control at Helsinki/Vantaa airport (1984)	17/33
36.	S.T.N.A (France)	The airport bird problem (1981)	15/24
37.	Suarez S	Bird strike problem at Ben-Gurion airport	10/15
38.	Suarez S	Birdstrike problems at Ben-Gurion international airport (1977)	12/14
39.	Swiss authorities	Measures available to the airport management for the reduction of the birdstrike risk (1978)	13/27
40.	Turesson L-O	Report from an ICAO workshop on reducing bird hazards (1978)	13/9

9. Relationship with ICAO  
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1.	Dahl H	Harmonisation of ICAO documentation on bird hazards (1984)	17/20
2.	ICAO	Damage to aircraft caused by bird strikes. Provision of bird strike data to ICAO (1976)	BSCE 11 after WP 6
3.	Turesson L-O	Report from an ICAO workshop on reducing bird hazards	
4.	Wilde K	ICAO activities related to bird strikes (1979)	14/28

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2.	Ferry V	The first ten years of BSCE (1979)	14/3
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4.	Dahl H	Invitation to 18th Meeting BSCE (1986)	18/1
5.	Dahl H	Agenda for Plenary Meeting on Thursday 29 May, 1986 - Friday 30 May, 1986 at 09.00 am	18/25
6.	Dallo E	Le BSCE et les organisations internationales (1978)	13/30
7.	Dallo E	The future of BSCE (1981)	15/22
8.	Turesson L-0	Code of practice of BSCE (1979)	14/5
9.	Turesson L-0	Code of practice of BSCE (1981)	15/20
10.	Turesson L-0	Way of working of Bird Strike Committee Europe (1982)	16/2
11.	Turesson L-0	BSCE data bank. Proposal for implementation (1984)	17/1
12.	Vasin I	Letter of invitation to BSCE 16 (1982)	16/1