

Aviation History Knowledge Map

This document presents a “God’s Eye View” of Aviation History, in order to establish what subject areas are well Summary and what subject areas are less well Summary.

Starting from the perspective of recording every aircraft (air vehicle) that ever existed - both from a design point of view and from an individual airframe point of view - throughout its life, we then get an idea of the scope of the task.

Aviation in this context therefore encompasses the design, manufacture, operation, maintenance, and preservation or disposal of all types of air vehicle - manned and unmanned.

This overview prioritises secondary documentation - books, magazine articles, websites etc, rather than the primary documentation - official records, reports etc. This is due to the physical difficulty in obtaining such primary sources for the ordinary aviation enthusiast, and also for accessibility - distilling the mass of official documents into a digestible format.

The following broad categories are considered:

1. Civil Aviation
2. Civil Aviation Sectors
3. General Aviation Activities
4. Specialised Mission Activities
5. Pleasure Flying
6. Military Aviation
7. Military Aviation Activities
8. Aviation Industry
9. Heavier than Air Aircraft
10. Lighter than Air Aircraft
11. Classes of Aircraft
12. Non-aircraft Aircraft
13. Model Aircraft
14. Aircraft Systems & Equipment
15. Aviation Locations
16. Aviation Events
17. Conflicts & Crises
18. Aviation People
19. Aviation Media
20. Miscellaneous Aviation Subjects

[My research is based on the AvBooks aviation books database and web searches].

1. Civil Aviation

(Aircraft includes helicopters and all other air vehicles)

Subject	Scope	Summary
1.1 Development	History of the development of civil aviation	<p>All general histories of aviation include substantial sections on civil aviation, although some authors conflate 'civil' with commercial aviation - i.e. passenger air travel - and pay little attention to private and sport flying. Nevertheless, most sectors of civil aviation are very well documented, from the barnstormers of the 1920s to modern air travel.</p> <p>Read More ...</p>
1.2 Registers	Record the registration letters and details of all civil aircraft, individually.	<p>Civil aircraft registers were introduced in 1919. US aircraft did not need to be registered until 1926. Civil aircraft prior to 1919 and US civil aircraft prior to 1926 have been largely ignored by historians.</p> <p>There are some all-time registers for a specific country, but not many.</p> <p>Read More ...</p>
1.3 Operators	History of each civil aircraft operator	<p>Commercial air transport took off in 1919. In parallel, scores of local air taxi operators sprung up, and special mission operators invented new types of aircraft use.</p>

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		<p>The histories of civil airlines are quite well documented, but special mission operators etc are relatively poorly covered.</p> <p>Read More ...</p>
1.4 Fleets	List of aircraft registrations used by a specific operator	<p>Numerous 'Airline Fleets' annual handbooks have been published from the late 1960s to the present day. However, they generally only include operators of aircraft with more than 19 seats. Smaller Air Taxi and Special Mission operators are thus excluded.</p> <p>Read More ...</p>
1.5 Inventories	List of aircraft types, quantities and time period used - for a specific operator	<p>The Flight International annual airline directory included aircraft inventory details. It has since been discontinued. Also, it used the same 19 seat cut-off limit, so Air Taxi and Special Mission operators were excluded. The NBAA annually publishes details for operators of smaller aircraft - including special mission operators - but only for the USA.</p> <p>Read More ...</p>
1.6 Markings	A record of the markings of civil aircraft through time	<p>There are several books on airline markings - logos and liveries - either via photographs or colour drawings. However, they can record only a fraction of the large number of operators and livery variations that have been used through the years.</p> <p>Once again, special mission operators are not normally included.</p>

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		Read More ...
1.7 Leasing Companies	History of aircraft leasing and each company involved	<p>Leasing companies allow airlines and business aircraft operators to 'rent' aircraft without having to pay the full up-front costs of buying them.</p> <p>Existing books on this important industry are written from a finance point of view, rather than for its impact on aviation history.</p> <p>Read More ...</p>
1.8 Operator Monographs	History of an individual operator and its aircraft	<p>Some of the world's airlines have continuous histories going back to 1919-1920. Others, through mergers and acquisitions, have predecessor airlines which go back to a similar period. Thus many current airlines have a very long history.</p> <p>Many commercial operators are documented in individual books and magazine articles - mostly from Europe and North America.</p> <p>Here again, special mission operators etc deserve to have their history recorded.</p> <p>Read More ...</p>
1.9 Country Survey	History of civil aviation in a specific country	<p>A select few countries have very detailed national aviation histories, such as those in North America and Europe, with many books on the subject</p> <p>In contrast, countries in Africa and Asia are much less well served.</p>

		Read More ...
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2. Civil Aviation Sectors

Subject	Scope	Summary
2.1 Commercial Aviation	History of the development of Commercial aviation	<p>Commercial air travel took off after WW1 with many airlines being established. Safety issues soon led to an increasingly regulated industry. Long range flying boats for international travel were eventually replaced by landplanes. Many smaller airlines were started with WW2 surplus aircraft, and the advent of jet travel saw a rise in passenger demand that has barely moderated to the present day.</p> <p>Read More ...</p>
2.2 Specialised Operations	History of the development of Specialised Operations flying	<p>The term Specialised Operations covers a multitude of different types of flying, from helicopter logging to powerline inspection, crop spraying, aerial photography, surveying, or aerial advertising etc. They have a common theme of unscheduled flight at relatively low altitude.</p> <p>There appears to be no general history of this sector published.</p> <p>Read More ...</p>

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2.3 General Aviation	History of General Aviation and private flying	Read More ...
2.4 Public Service Aviation	History of Public Service aviation	<p>Public service aviation concerns Police, Fire, EMS, Search and Rescue and other civil defence type operations.</p> <p>The first police air unit was formed in New York in 1929. In the 1950s helicopters began to take over from aircraft in many policing roles and since 2005 the use of drones has become increasingly common.</p> <p>Aerial firefighting was originally the domain of converted WW2 surplus aircraft, but they were later replaced by purpose-built types.</p> Read More ...
2.5 Urban Air Mobility	History of Urban Air Mobility operations	<p>The concept of Urban Air Mobility goes back to the 1920s, when the first attempts at making a flying car were made. The concept became more of a reality with the adoption of helicopters for urban transport from the 1960s. Sao Paulo has around 500 helicopters providing point to point transport. From the mid-2000s, companies began investing in the development of eVTOL aircraft, but none are certified yet.</p> Read More ...

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3. Specialised Aviation Activities

Subject	Scope	Summary
3.1 Agriculture	History of Agricultural and Animal Husbandry Aviation	Read More ...
3.2 Construction	History of Construction Aviation	Read More ...
3.3 Photography	History of Aerial Photography	Read More ...
3.4 Surveying	History of Survey Flying	Read More ...
3.5 Observation	History of Observation and Patrol Flying	Read More ...
3.6 Advertising	History of Aerial Advertising	Read More ...
3.7 Pollution Control	History of Airborne Pollution Control	Read More ...
3.8 Flight Inspection	History of Flight Inspection	Read More ...
3.9 Air Ambulance	History of Air Ambulance Flying	Read More ...
3.10 Contracted Defence Training	History of Contracted Defence Flying	Read More ...
3.11 Aerospace Testing	History of Aerospace Flight Testing	Read More ...
3.12	TBA	

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4. General Aviation Activities

Subject	Scope	Summary
4.1 Business Aviation	History of Business Aviation	Read More ...
4.2 Government Aviation	History of Government Aviation	Read More ...
4.3 Flying Schools	History of civil Flying Schools	Read More ...
4.4 Pleasure Flying	History of Pleasure Flying	Read More ...
4.5 Other Flying	History of Charitable and Humanitarian Flying	Read More ...
4.6 Civil Drone Flying	History of civil drone flying	Read More ...

5. Pleasure Flying

Subject	Scope	Summary
5.1 Aero Clubs		Read More ...
5.2 Aerobatics	History of the development of aerobatic flying	Manoeuvres, flyers, aircraft, competitions etc Read More ...
5.3 Air Racing	History of air racing and record of all air races, and their participants	Good coverage of the early years and especially UK & US air racing. Copious books on the Schneider Races. Air Racing in the 21st Century seems to be much less well covered. Not Air racing outside Europe and North America. Read More ...
5.4 Homebuilt Aircraft	History of kitplanes and homebuilt aircraft	Read More ...
5.5 Parachuting	History of the development of parachutes and parachuting	Read More ...
5.6 Gliding	History of glider flying	Read More ...
5.7 Ballooning	History of balloon flying	Read More ...

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6. Military Aviation

(Aircraft includes helicopters and all other air vehicles)

Subject	Scope	Summary
6.1 Development	History of the development of military aviation and air power	Read More ...
6.2 Serials	Register of all military aircraft serials and their fate	Plenty on the UK, USA + ROW post 1975. Imperial Japan, USSR UK Army Air Corps aircraft Read More ...
6.3 Operators	History of each military aircraft operator	WAF histories Read More ...
6.4 Fleets	List of aircraft serials used by a specific operator	Mach III books for 1975+. Harpia books. Scope for retro versions of Mach III books: 1918, 1939, 1944, 1960 etc Read More ...
6.5 Inventories	List of aircraft types, quantities and time period used - for a specific operator	The worldairforces.com website lists aircraft inventories for all countries except UK, USA, Japan and USSR/Russia. The listings contain many errors and the time period stops at 2002.

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		<p>worldairforces.com doesn't cover the large countries, USSR/Russia, USA, Japan, UK</p> <p>Read More ...</p>
6.6 Markings	History of military aircraft markings through time	<p>Camouflage and paint schemes, national insignia, unit codes, unit insignia Plenty on USA, UK and Luftwaffe</p> <p>Read More ...</p>
6.7 Units	History of each aviation unit, including Maintenance and Technical Training (i.e. non-flying)	<p>Plenty on USA and UK. Some for France and Germany.</p> <p>Unit histories for many operators</p> <p>UK Army Air Corps Squadrons</p> <p>Read More ...</p>
6.8 Orbats	Order of battle listings at multiple times in history for each operator	<p>Current on Scramble website, but historical ones often missing</p> <p>Read More ...</p>
6.9 Air Arm Monographs	History of an individual air arm and its aircraft	<p>Many air forces are Summary in individual books - mostly from Europe and North America.</p> <p>Read More ...</p>

7. Military Aviation Activities

Subject	Scope	Summary
7.1 Flying Training	History of military pilot and aircrew training	Read More ...
7.2 Electronic Warfare	History of airborne electronic warfare	Read More ...
7.3 Air Transport	History of military air transport	Read More ...
7.4 Flight Refuelling	History of In-Flight Refuelling	Read More ...
7.5 Drone Operation	History of military UAV operations	Read More ...
7.6 Carrier Operation	History of military aircraft operating from ships	Read More ...
Balloons?		

8. Industry

(Aircraft includes helicopters and all other air vehicles)

See 'Equipment' for the aircraft equipment industry.

Subject	Scope	Summary
8.1 Development	History of the development of the global aviation industry	Read More ...
8.2 Manufacturers	Record of all aircraft manufacturers (HTA & LTA)	<p>Bill Gunton's 'Encyclopaedia of World Aircraft Manufacturers' was very comprehensive at the time, but is now too old to include the mass of new startups designing eVTOL and electric aircraft.</p> <p>Inc aerostructures sub-cons</p> <p>Not eVTOL companies</p> <p>Read More ...</p>
8.3 MROs	Record of all Maintenance and Repair (MRO) organisations, both military and civil - past and present.	<p>Flight International used to do an annual survey in the magazine, and also in the various editions of the 'Directory' that it published. These are no longer published.</p> <p>Need Comprehensive directory of Aircraft MRO organisations worldwide.</p> <p>Read More ...</p>
8.4 Completion Centres	Record of all aircraft completion centres, (for business aircraft and airliners)	This aspect of aircraft production is largely ignored by historians. Fitting out 'green' aircraft interiors to

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		<p>airline and business customer requirements is a demanding business.</p> <p>Read More ...</p>
8.5 Manufacturer Monographs	History of an individual company and its products	<p>The Putnam series of books is the standard reference for many companies, but they are no longer produced and many important companies were not included.</p> <p>Other publishers have produced a few company histories, but these were also discontinued.</p> <p>Need Putnam-style books on Sikorsky, Republic, Bloch/Dassault, etc.</p> <p>In the UK, General Aircraft Ltd is one of the few British companies never to have had a dedicated book</p> <p>Read More ...</p>
8.6 National Industry	Record of the aviation companies of a specific country	<p>(See 4.5 and 5.5 for the aircraft themselves)</p> <p>Read More ...</p>

9. Heavier-than-air Aircraft

(Aircraft includes helicopters and all other HTA air vehicles - includes UAVs and eVTOL types)

Subject	Scope	Summary
9.1 Development	History of the development of heavier-than-air aircraft	Read More ...
9.2 Types	Record of every HTA aircraft design ever built	<p>Plenty of role specific and time period specific. Less for country specific. Interwar types are generally neglected.</p> <p>Need Book on ornithopters Book on eVTOL types Encyclopedia of Spaceplanes France - being addressed Italy - being addressed</p> <p>South America, Scandinavia, Spain etc</p> <p>Read More ...</p>
9.3 Projects	Record of all unbuilt HTA aircraft designs	<p>Some good coverage of Luftwaffe, UK, USA and USSR.</p> <p>Need Secret Aircraft Projects of the First World War Helicopter projects.</p> <p>Read More ...</p>
9.4 Production Lists	Production lists for all HTA aircraft types	Airliners types in book form - Boeing and Airbus etc. Websites for some GA types

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		<p>Need Military aircraft production lists</p> <p>Read More ...</p>
9.5 Type Monographs	History of a specific aircraft type	<p>Many books on individual aircraft types, but they mostly focus on combat aircraft and airliners.</p> <p>Need No stand-alone books on JH-7, J-10, JF-17? Utility types largely ignored</p> <p>Read More ...</p>
9.6 National Surveys	Details of all HTA aircraft types built in a specific country	<p>Read More ...</p>

10. Lighter-than-air Aircraft

(Balloons, Airships and all other LTA air vehicles)

Subject	Scope	Summary
10.1 Development	History of the development of balloons and airships	Read More ...
19.1 Types	Record of every LTA aircraft design ever built	Numerous books on specific airships and the Zeppelin company. No Encyclopedia of Airships? Read More ...
10.2 Projects	Record of all unbuilt LTA aircraft designs	Many plans for new airships have been proposed. The secretprojects.co.uk website includes airship projects. Book on airship projects Read More ...
10.3 Production Lists	Production lists for all LTA aircraft types	Mostly Zeppelins. USA and UK need to be addressed Production lists of non-zeppelin airships Read More ...
10.4 Type Monographs	History of a specific LTA type	Mostly Zeppelins, but also some on R-100/R-101 and US Military airships.

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		Read More ...
10.5 National Surveys	Details of all LTA aircraft types built in a specific country	Read More ...

11. Classes of Aircraft

Subject	Scope	Summary
11.1 Ornithopters	History of the development and use of ornithopters	<p>Model ornithopters have been flying since the 1870s, but man-carrying versions have been much less successful. There appear to be virtually no dedicated books on the subject, so most information comes from newspapers and magazines.</p> <p>Read More ...</p>
11.2 Powered Aircraft	History of the development and use of powered aircraft	<p>Read More ...</p>
11.3 Spaceplanes	History of the development and use of spaceplanes	<p>The Boeing X-20 Dyna-Soar was an early attempt at designing a spaceplane. After the demise of the Space Shuttle, the Boeing X-37 is the only operational spaceplane. The Virgin SpaceShip Two flies to the edge of space and returns in wingborne flight. Books are available on almost all built and unbuilt spaceplane projects.</p> <p>Read More ...</p>
11.4 Ultralights	History of the development and use of ultralight aircraft	<p>Read More ...</p>
11.5 Human Powered Aircraft	History of the development and use of human powered aircraft	<p>Read More ...</p>
11.6 Gliders	History of the development and use of gliders	<p>Read More ...</p>

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11.7 UAVs	History of the development and use of unmanned aircraft	Read More ...
11.8 Gyroplanes	History of the development and use of gyroplanes	<p>Spanish engineer Juan de la Cierva is credited with inventing the gyroplane in 1923. Designs based on Cierva's ideas saw service in WW2. In the postwar years gyroplanes became popular with both private owners and some public service operators. Several books on gyroplanes are available, but little has been published on their use by public service operators.</p> Read More ...
11.9 Helicopters	History of the development and use of helicopters	Read More ...
11.10 Tiltwing/Tiltrotor Aircraft	History of the development and use of tiltwing and tiltrotor aircraft	<p>The Bell XV-3 of 1955 was the first flying tiltrotor, which eventually lead to the V-22 Osprey. The first tiltwing was the Boeing Vertol VZ-2 which eventually lead to the Canadair CL-84.</p> <p>While tiltrotor types are quite well documented, tiltwing types are notably less so, apart from the XC-142.</p> Read More ...
11.11 eVTOL Aircraft	History of the development and use of eVTOL aircraft	Read More ...
11.12 Balloons	History of the development and use of balloons	Read More ...
11.13 Airships	History of the development and use of	Read More ...

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	airships	
11.14 Powered Parachutes	History of the development and use of powered parachutes	Read More ...
11.15 Ground Effect Aircraft	History of the development and use of ground effect aircraft	<p>Workable ground effect aircraft did not appear until the 1960s. Parallel developments in the Soviet Union and Germany in the 1960s saw several prototypes fly. Examples from the 1980s onwards were principally for recreational use but after the year 2000 a number of companies began working on larger commercial designs.</p> <p>Soviet Ekranoplanes are well documented, but sources for the smaller aircraft in other countries are seriously lacking.</p> <p>Read More ...</p>

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12. Non-aircraft Aircraft

(Aircraft includes helicopters and all other air vehicles - excludes fictional ones!)

Subject	Scope	Summary
12.1 Mock-ups	History of use and record of all engineering mock-ups built	<p>Photos of aircraft mockups often appear, but there is no in-depth look at why, how, etc.</p> <p>Need book on aircraft mockups</p> <p>Read More ...</p>
12.2 Travelling Exhibits	History of use and record of all airshow travelling exhibits	<p>The 'plastic aircraft' are largely ignored in the aviation media.</p> <p>My article in A-B Aviation World starts to fill this gap.</p> <p>Read More ...</p>
12.3 Static Replicas	History of use and record of all non-flyable replica aircraft used as gate guards and in museums	<p>Read More ...</p>
12.4 Movie Props	History of use and record of all non-flyable replica aircraft used in tv and movies	<p>Read More ...</p>
12.5 Decoys	History of use of dummy aircraft as decoys	<p>Dummy decoy aircraft have been used since WW1. No known study of this subject.</p> <p>Used in WW1, WW2, Middle East, Kosovo War etc</p> <p>Need book on decoy aircraft</p>

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		Read More ...
12.6 Flight Simulators	History of the evolution and use of ground-based flight simulators	Flight Intl Sim Census Full motion and cockpit procedures trainers for professional pilots (PC based ones covered separately) Read More ...

13. Model Aircraft

Subject	Scope	Summary
13.1 Pioneer Flying Models	History of the use of flying models for aeronautical research	Merge with aeromodelling? Read More ...
13.2 Aeromodelling	History of aeromodelling	Read More ...
13.3 Wooden Scale Models	History and record of wooden scale model aircraft	Read More ...
13.4 Plastic Scale Models	History and record of plastic scale model aircraft	Read More ...
13.5 Diecast Scale Models	History and record of diecast scale model aircraft	Read More ...
13.6 Card Models	History and record of card scale model aircraft	Read More ...
13.7 Display Models	History and record of display model aircraft	Read More ...
13.8 Recognition Models	History and record of aircraft recognition models	Read More ...
13.9 Decals	History and record of scale model aircraft decals	Read More ...
13.10 Virtual 3D Models	History and record of virtual 3D model aircraft	Read More ...

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14. Aircraft Systems & Equipment

(Aircraft includes helicopters and all other air vehicles)

Subject	Scope	Summary
14.1 Engines & APUs	History of aero engines and record of all aircraft engine and APU manufacturers and their products	<p>Bill Gunston's encyclopaedia of aircraft engines was very comprehensive, but of course rapidly going out of date.</p> <p>Electric power trains used in eVTOL and electric aircraft.</p> <p>Read More ...</p>
14.2 Weapons	History of aircraft armament and record of all weapons used by aircraft. The manufacturers and their products.	<p>Several books on modern aircraft weapons are available, and also aircraft weapons used by specific countries.</p> <p>Less readily found are sources on non-British gun turrets (French Italian, Russian etc).</p> <p>Need Encyclopaedia of aircraft weapons of WW2.</p> <p>Read More ...</p>
14.3 Ejection Seats	History of ejection seat development and record of all ejection seats used in aircraft. The manufacturers and their products.	<p>Bryan Philpott's book seems to be the only general history of the subject, but appeared too soon to include details of Soviet/Russian seats.</p> <p>The website listing actual ejections closed down in 2014, and is only available via the Internet Archive.</p> <p>A catalogue of all the different models of ejection</p>

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		<p>seat does not appear to have been produced.</p> <p>Read More ...</p>
14.4 Avionics	History of avionics development and record of all radars, weapons control systems, EFIS etc used in aircraft. The manufacturers and their products.	<p>Bill Gunston wrote an easy introduction to aircraft avionics. There are also several more advanced introductory guides available.</p> <p>Notably missing is a comprehensive survey of the main avionics systems used on civil and military aircraft.</p> <p>Need Illustrated encyclopaedia of airborne radar systems</p> <p>Read More ...</p>
14.5 Cabin Furnishing	History of the evolution of aircraft cabin furnishing	<p>John Stroud's 'Passenger Aircraft Interiors' is the definitive history of this subject.</p> <p>Some design orientated books on cabin design are also available.</p> <p>Read More ...</p>
14.6 Cockpits	History of the evolution of aircraft cockpits	<p>Several books have been produced on the history of cockpit design.</p> <p>Read More ...</p>
14.7 Propellers	History of aircraft propellers and record of all propellers used on aircraft. The manufacturers and their products.	<p>Very few books on this subject, most are focussed on aerodynamics.</p> <p>Bob Gardner has produced has series of books on British propeller manufacturers of WW1. There is nothing similar for WW2.</p>

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		General history of aircraft propellers. Encyclopedia of aircraft propellers. Read More ...
14.8 Landing Gear	History of the evolution of aircraft landing gear	Many books for aircraft mechanics, but some general books as well. Read More ...
14.9 Gunsights and Bombsights	History of the evolution of aircraft gunsights and bombsights	Read More ...
14.10 Cameras	History of airborne cameras and reconnaissance systems	Read More ...

15. Locations

(Geography related topics. Aircraft includes helicopters and all other air vehicles)

Subject	Scope	Summary
15.1 Airfields	History of the development of airfields and record of all airfields and landing grounds - past and present - and their history.	<p>Very good coverage of airfields in the UK and the USA, (e.g. 'Action Stations' series of books), but other countries are much less well Summary.</p> <p>For European nations, many airfields are individually Summary but comprehensive surveys are lacking.</p> <p>There are at least two websites on defunct airfields, but they mostly concentrate on Europe.</p> <p>For civil airports, 'Airports of the world' type-books only cover a few hundred examples, and they are often several years (decades) out of date.</p> <p>No comprehensive studies of airfields in France, Italy, Spain, Germany, Canada, etc.</p> <p>Read More ...</p>
15.2 Museums	History of the development of aviation museums and record of all aviation museums and their exhibits	<p>There is excellent worldwide coverage in Bob Ogden's series of books, which are regularly updated.</p> <p>Other books are available on UK, US and European museums.</p> <p>One title on defunct UK aviation museums was</p>

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		<p>released - a welcome gap filler - but the same for other countries is non-existent.</p> <p>Several aviation museums were destroyed in WW2 - Poland, Germany etc - along with many of their exhibits. These defunct museums have received little of no coverage.</p> <p>Read More ...</p>
15.3 Gate Guardians	History of the use of aircraft gate guardians and record of all such gate guardians	<p>Mostly photo books.</p> <p>Read More ...</p>
15.4 Factories	Record of the geographical location of all aviation industry sites	<p>The history of most aircraft factories and maintenance sites seems to be quite lacking. There is some pictorial coverage (e.g. 'Images of Aviation' series), and brief descriptions in company histories (e.g. Putnam series), but no dedicated comprehensive countrywide surveys.</p> <p>This subject applies not just to aircraft Final Assembly Lines, but also major equipment suppliers - engines, landing gear, weapons etc</p> <p>Books focusing on aircraft industry factories countrywide.</p> <p>Read More ...</p>
15.5 Aircraft Carrying Ships	Record all ships that carry aircraft, helicopters, (UAVs?)	<p>Available books mostly focus on aircraft carriers. Need to include destroyer and frigate helicopters etc.</p> <p>Need Civilian ships carrying helicopters - oil industry, super-yachts etc</p>

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		Read More ...
15.6 Storage and Disposal	Record of all aircraft storage and scrapping facilities	Scrapyards, MASDC, storage places Read More ...

16. Events

(Timeline related topics - Aircraft includes helicopters and all other air vehicles)

Subject	Scope	Summary
16.1 Airshows	Record of all airshows and similar events - and the attending aircraft	<p>The Scramble website has a partial database of aircraft attendees for many events 1945-2000, but many events are missing. Contemporary enthusiast magazines recorded many events in Europe and North America, but</p> <p>Need Pre-WW2 air shows</p> <p>Read More ...</p>
16.2 Accidents and Combat Losses	Chronological record of all unscheduled civil and military aircraft hull losses, due to accident, hijacking etc or military action (air-air, air-ground, ground-air).	<p>The Aviation Safety Network (ASN) website has a very comprehensive all-time database for accidents to aircraft capable of carrying more than 12 passengers. Scramble has a similar database but also includes military aircraft for recent years.</p> <p>AFM mil aircraft losses Flight annual survey</p> <p>Wartime combat losses</p> <p>Several books on airliner accidents.</p> <p>Need General aviation aircraft accidents.</p> <p>Read More ...</p>
16.3 Exercises	Record of all military exercises involving	<p>Read More ...</p>

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	aircraft	
16.4 First Flights	Record of all aircraft first flights	Read More ...
16.5 Operation Code Names		Read More ...

17. Conflicts

Subject	Scope	Summary
17.1 Wars	Record of all conflicts, large and small that involved aircraft of any type	<p>A good introduction is the 'Encyclopaedia of Air Warfare' from Salamander which covers all major conflicts up to 1973. The 'Aerospace Encyclopedia of Air Warfare' in 2 volumes is a more up to date look from 1997.</p> <p>The larger later conflicts in Iraq and Kosovo are covered in individual books.</p> <p>Grub Street produced a series of titles on the WW2 air war but omitted many theatres of war.</p> <p>Vic Flintham's 'Air Wars and Aircraft' was the first comprehensive look at the smaller conflicts not usually covered in the above books.</p> <p>The newer @War series from Helion is extremely good at providing more depth to documenting the smaller conflicts, and has recently started expanding into larger themes.</p> <p>Read More ...</p>
17.2 Campaigns	Record of specific campaigns within wars	<p>Osprey, AJ Press</p> <p>Read More ...</p>
17.3 Battles	Record of key air battles within campaigns	<p>Read More ...</p>

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18. People

Subject	Scope	Summary
18.1 Designers	Record of the main aircraft designers (and Chief engineers)	<p>A few biographies and autobiographies</p> <p>Need a A Who's Who book on the most important aircraft designers</p> <p>Read More ...</p>
18.2 Aircrew	Record of the most significant pilots and aircrew (other than aces)	<p>The civil and military aircrew experience from WW1 onwards. Airline pilot life. Well covered, now including female aircrew.</p> <p>Biographies and autobiographies</p> <p>Read More ...</p>
18.3 Aces	Record of all fighter aces	<p>Good coverage of WW1 and WW2 aces and their kill record.</p> <p>The website that listed all aces worldwide no longer appears to be active.</p> <p>Many claimed 'kills' were of course discounted post-war.</p> <p>Read More ...</p>
18.4 Organisation Leaders	Record of major airline founders and leaders, military leaders	<p>A few biographies and autobiographies</p>

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		Read More ...
18.5 Award Winners	Record of all recipients of aviation-related medals and awards	Inc collier trophy Read More ...
18.6 Aviation Authors	Record the careers of the most significant aviation authors and illustrators.	A Who's Who book on the most important aviation writers and illustrators. Read More ...

19. Media

Subject	Scope	Summary
19.1 Books	Record of all aviation books of use to historians and enthusiasts	Some annotated bibliographies Read More ...
19.2 Magazines	Record of all aviation-related magazines worldwide	Read More ...
19.3 Artworks	Record of aviation artwork	Read More ...
19.4 Documentaries	Record of factual aviation documentary films	Read More ...
19.5 Pictures	Record of aircraft photos and drawings published	Need Database of published aircraft pictures Read More ...
19.6 Movies	Record of fictional aviation-related films	Read More ...
19.7 Cutaway Drawings	History of cutaway drawings and record of all such drawings	Read More ...

20. Miscellaneous

Subject	Scope	Summary
20.1 Pioneering Flights	Record of all significant pioneering and record breaking flights.	<p>Many books on the early years, and long distance pioneering flights.</p> <p>Guinness used to produce a book summarising the current aviation records, but this has been discontinued.</p> <p>No up-to-date record?</p> <p>Read More ...</p>
20.2 Technical Development	History of aviation technical development - aerodynamics, structures, systems etc	<p>Putnam's History of Aviation series is good on this.</p> <p>Many many other general histories of aviation development.</p> <p>Read More ...</p>
20.3 Aircraft Selection Contests	Record of all candidates in aircraft selection contests worldwide	<p>Very little coverage of this subject, apart from the UK Specifications book from Air-Britain.</p> <p>Complete list of USA aircraft requirement specifications.</p> <p>Also France, Germany etc</p>

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		Read More ...
20.4 Air Traffic Control	History of the development of air traffic control worldwide.	<p>Some very good titles published in the UK. The Air Traffic Control Handbook has been continuously updated.</p> <p>There are also some good laymans guides.</p> <p>Nothing on ATC during and before WW2?</p> Read More ...
20.5 Display Teams?		
20.6 Specific Roles	Definition and evolution of specific aircraft roles over time	Read More ...
20.7 Flying Clothing	History of the development of flying clothing	Read More ...
20.8 Airmail	History of Airmail	Read More ...
20.9 Desktop Flight Simulation	History of the development of desktop flight simulators	Read More ...

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