

**History of Rocketry and Astronautics**  
**International Academy of Astronautics History Symposia**  
**at the International Astronautical Congresses**  
**Abstracts and Index**  
**1967–2000**

**Abstracts and Index of Papers Presented at  
the First through Thirty-Fourth History Symposia of  
the International Academy of Astronautics**

**Hervé Moulin, Volume Editor**

**Rick W. Sturdevant, Series Editor**

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**IAA History Symposia**

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## About Methodology

This book contains all titles and abstracts of presented papers. To facilitate research we have created several methods of locating information.

### Symposia

Papers are presented by chronological order of Symposium and by Session. At the beginning, only one Session was dedicated to the History of Rockets and Rocketry. Then, from 1983, faced with an increasing number of papers submitted, two sessions were regularly organized. This interest in the history of space activities continued to grow leading to an increasing number of papers. From 1995, three sessions became necessary to accommodate them.

For each paper we have indicated, in addition to the IAF/IAA numbers,\* a volume reference in the American Astronautical Society (AAS) History Series proceedings volumes.

Title \_\_\_\_\_  
|

### Camera Rockets and Space Photography Concepts Before World War II

Winter, Frank H. (USA) *(eventually co-authors' names)*

Author(s)_____								
Authors' Country_____								
Number given by IAF/IAA_____								
Volume reference of the history papers_____								
Volume reference of the AAS proceedings_____								
Page reference in the AAS proceedings_____								
Abstract reference_____								

\* Official IAF/IAA congress paper numbers were first given in 1974.

## **Abstracts**

In this part, we have reproduced abstracts (unfortunately some of them were unavailable, and for the first years some of them are only in the Russian or sometimes the French or the German languages).<sup>\*</sup> The abstracts are given as originally submitted by the authors of many nationalities, and may not in all cases represent an ideal English text.

## **Author's Name(s)**

Authors and co-authors are sorted by alphabetical order.

## **Author's Country**

In this part of the book, one can find papers in alphabetical order organized by the author's country. Authors inside each country are also listed in alphabetical order.

## **Time Period**

We have tried to list each paper by the main period it covers. When the paper covers a large period – i.e. a general survey of an activity – we have placed it in the earliest period it covers. We have grouped the papers in three main categories:

Ancient Times

19th Century

20th Century, itself subdivided into three sub-categories:

Before 1945

After 1945 and Before 1957

After 1957, which marks the beginning of the “Space Era.”

## **Theme**

In this part, we have listed papers by large thematic categories. A few of them are also subdivided into more precise sub-categories. We also note if the paper was presented as a Personal Memoir.

1. General
2. Biographical References
3. Manned Spaceflight
4. Organizational Histories
5. Rocketry
6. Scientific Research
7. Technical Aspects
8. Satellites and Spacecraft

<sup>\*</sup> The publisher has created abstracts in the cases where an original abstract was not available. In those cases a note appears at the beginning of the abstract and states: “*The publisher prepared the following abstract from the published paper.*”

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