



USA in Space

THIRD EDITION

Edited by Russell R. Tobias and
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Provides historical and current, detailed data on all major US and joint US-foreign space missions since the 1940's.

USA in Space, 3rd Edition collects 280 essays on the major space programs, piloted and robotic missions, satellites, space centers, space planes and issues from the earliest missions to the present.

SCOPE AND COVERAGE

Coverage in the third edition reflects both new missions and corrections to and expansions upon previous ones. The scope of space exploration history has been extended at both ends: Two essays on the history of rocket science have been added, as well as the latest missions--both piloted missions such as the International Space Station and science probe missions such as Deep Impact.

The new essay on Space Shuttle Mission STS-107 (2003), in which seven astronauts tragically lost their lives aboard the orbiter *Columbia* upon reentry into Earth's atmosphere, is accompanied by candid discussion of the institutional conditions that may have contributed to the accident as well as consideration of the direction in which space exploration is headed. The latest essay covers the return to space, Space Shuttle Mission STS-114, in August of 2005. In addition, several essays address missions that have yet to be launched but

have already undergone years of planning and development.

Despite the title, *USA in Space*, the increasingly international nature of space exploration is acknowledged here as well. The International Space Station, Russia's *Soyuz and Progress* spacecraft and the contributions of Canada, Japan, China, India and many European nations in spacecraft, science experiments, equipment and personnel are well represented among these pages.

At a Glance

- ✓ 3 Volumes; 1,800 Pages
- ✓ 280 Essays
- ✓ 450 Illustrations
- ✓ Chronology of the US Program
- ✓ Key Figures
- ✓ Glossary
- ✓ List of Abbreviations
- ✓ Space Shuttle Missions
- ✓ Category List of Contents
- ✓ Personages Index
- ✓ Subject Index

ORGANIZATION AND FORMAT

Articles are arranged in alphabetical order by key word and by chronological order within groupings.

Each article retains the familiar Magill approach to formatting information to facilitate access to the information. Essays are substantial in length, ranging from 2,000 to 5,000 words.

FINDING AIDS AND SPECIAL FEATURES

At the beginning of each volume the "List of Abbreviations", now expanded by more than one-third its previous length, includes common acronyms (and their pronunciations if uttered as words) and what they stand for. The "List of Illustrations" arranges photographs alphabetically by topic, accompanied by page numbers. A "Complete List of Contents" appears in each volume's front matter in addition to the volume's "Table of Contents," to assist those looking for a related topic without access to its volume. The "Category List" in each volume's front matter arranges the essays by type. "See also" cross-references to other essays in the set.

Revision Details

- ✓ 42 New Essays
- ✓ 5 Completely Replaced Essays
- ✓ 233 Updated Essays
- ✓ 280 Bibliographies Updated and Annotated
- ✓ Chronology of the US Space Program (Expanded 51%)
- ✓ Key Figures (Expanded 69%)
- ✓ Glossary (Expanded 25%)
- ✓ Space Shuttle Missions (New Appendix)
- ✓ World Wide Web Pages (Expanded 43%)

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ALSO OF INTEREST

Magill's Guide to Military History (p.43); *Weapons and Warfare* (p.51).