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AIAA Bulletin Stages to Saturn Saturn V Rocket Brands and Their Companies Journal of the British Interplanetary Society Remote Sensing of Earth Resources S.A.E. Transactions Apollo Chariots for Apollo A Volume of Technical Papers Presented at AIAA/ASME 8th Structures, Structural Dynamics, & Materials Conference, Palm Springs, California, March 29-31, 1967 NASTRAN: Users' Experiences Saturn V Flight Manual Collection of Technical Papers A Volume of Technical Papers Presented Preprints of Papers Presented at the Fourth National Conference on Aerospace Meteorology, May 4-7, 1970, Las Vegas, Nevada Unmanned Exploration of the Solar System Stages to Saturn Astronautics & Aeronautics Companies and Their Brands A Collection of Technical Papers SAE Technical Paper Series IBM Journal of Research and Development Government Reports Announcements NASA's Scientist-Astronauts International Aerospace Abstracts Scientific and Technical Aerospace Reports Technical Papers Presented NASA SP. Journal Volume of Technical Papers on Structural Dynamics A Volume of Technical Papers Presented at AIAA/NASA Third Manned Space Flight Meeting Rocketdyne Handbook of Model Rocketry Technical Paper - Florida Engineering and Industrial Experiment Station Flight Test Instrumentation U.S. Government Research & Development Reports Voyage Paper Journal. AT Proceedings

AIAA Bulletin

Stages to Saturn

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Saturn V Rocket

Brands and Their Companies

Flight Test Instrumentation is a collection of papers presented at the Third International Symposium on Flight Test Instrumentation held in 1964 under the auspices of the Department of Flight of the College of Aeronautics in Cranfield, UK.

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The symposium provided a forum for discussing advances in flight test instrumentation and covered topics ranging from pre-detection recording in the megacycle range to some problems and uses of fuel flow measurements in supersonic aircraft. This volume is comprised of 14 chapters and begins by describing angle of attack and angle of sideslip measurements using fully de-iced non-movable differential pressure-sensing heads and low-range capacitive pressure transducers. The next chapter explores errors in stability derivative measurements that can occur due to shortcomings in instrumentation design, as well as the implications of such errors for the development of a modern supersonic aeroplane. The application of the vector plotting technique to flight flutter testing of the Hawker Siddeley Trident is then considered. Subsequent chapters focus on the use of high-accuracy instrumentation techniques for non-steady flight measurements; strain gauging for transient heating cases; and free-flight model techniques for aerodynamic research at supersonic and hypersonic speeds. This book will be a useful resource for students, practitioners, and officials of aeronautics.

Journal of the British Interplanetary Society

A classic study of the development of the Saturn launch vehicle that took Americans to the moon in the 1960s and 1970s, Stages to Saturn is one of the finest official histories ever produced. The Saturn rocket was developed as a

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means of accomplishing President John F. Kennedy's goal for the United States to reach the moon before the end of the decade. Without the Saturn V rocket, with its capability of sending as payload the Apollo Command and Lunar Modules--along with support equipment and three astronauts--more than a quarter of a million miles from earth, Kennedy's goal would have been unrealizable. Stages to Saturn not only tells the important story of the research and development of the Saturn rockets and the people who designed them but also recounts the stirring exploits of their operations, from orbital missions around earth testing Apollo equipment to their journeys to the moon and back. Essential reading for anyone seeking to understand the development of space flight in America and the course of modern technology, this reprint edition includes a new preface by the author providing a 21st-century perspective on the historic importance of the Saturn project.

Remote Sensing of Earth Resources

S.A.E. Transactions

Apollo

Chariots for Apollo

A Volume of Technical Papers Presented at AIAA/ASME 8th Structures, Structural Dynamics, & Materials Conference, Palm Springs, California, March 29-31, 1967

A classic study of the development of the Saturn launch vehicle that took Americans to the Moon in the 1960s. This Saturn rocket was developed as a means of accomplishing President Kennedy's 1961 commitment for the U.S. to reach the Moon before the end of the decade. This book not only tells the important story of the development of the Saturn rocket, and the people who designed and built it, but also recounts the stirring exploits of its operational life from orbital missions around Earth testing Apollo equipment to the Moon and back. Essential reading for anyone seeking to understand the development of space flight in America. Black and white photos.

NASTRAN: Users' Experiences

Designed by Wernher von Braun and Arthur Rudolph at NASA's Marshall Space Flight Center, the Saturn V rocket represents the pinnacle of 20th Century

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technological achievement. The only launch vehicle in history to transport astronauts beyond Low Earth Orbit, the Saturn V delivered 24 men to the moon. To this day it holds records as the tallest (363 feet), heaviest (nearly 7 million lbs.) and most powerful (over 7.6 million pounds-force of thrust) launch vehicle ever produced. It also remains one of the most reliable, achieving 12 successful launches with one partial failure - the unmanned Apollo 6 which suffered vibration damage on lift-off, resulting in a sub-standard orbit. The Saturn series of rockets resulted from Von Braun's work on the German V-2 and Jupiter series rockets. The Saturn I, a 2-stage liquid-fueled rocket, flew ten times between 1961 and 1965. An updated version the 1B carried the first crewed Apollo flight into orbit in 1968. The Saturn V, which first flew in 1967, was a three-stage rocket. The first stage, which burned RP-1 and LOX, consisted of five F-1 engines. The second stage used five J-2 engines which burned LOX and liquid hydrogen (LH₂). The third stage, based on the second stage of the Saturn 1B, carried a single J-2. The Saturn V could carry up to 262,000 pounds to Low Earth Orbit and more critically, 100,000 pounds to the Moon. Created by NASA as a single-source reference as to the characteristics and functions of the Saturn V, this manual was standard issue to the astronauts of the Apollo and Skylab eras. It contains information about the Saturn V system, range safety and instrumentation, monitoring and control, prelaunch events, and pogo oscillations. It provides a fascinating overview of the rocket that made "one giant leap for mankind" possible.

Saturn V Flight Manual

Vols. for include index which has title: SAE transactions and literature developed.

Collection of Technical Papers

A Volume of Technical Papers Presented

Preprints of Papers Presented at the Fourth National Conference on Aerospace Meteorology, May 4-7, 1970, Las Vegas, Nevada

Unmanned Exploration of the Solar System

Stages to Saturn

For the early history of rocketry up through the work of Dr. Robert Goddard in the early 1940s, the author referenced the history books of T.A. Heppenheimer and Frank Winter. The rest of the book is a chronicle of both the author's own memories and experiences as a member of the Rocketdyne team, as well as those of other key members of this elite group.

Astronautics & Aeronautics

Companies and Their Brands

A Collection of Technical Papers

SAE Technical Paper Series

IBM Journal of Research and Development

Bound with vol. 1- , 1934- , is the Society's annual report and list of members,

1934- .

Government Reports Announcements

In 1961, Pres. John F. Kennedy set the challenge of landing a man on the moon by the end of the decade. In order to achieve this, NASA partnered with US industry to build the largest rocket ever produced, the Saturn V. It was designed and tested in record time and made its first flight in 1967. Less than two years later and within the timescales set by the president, the crew of Apollo 11 was launched on a Saturn V and watched live by millions of people on televisions around the world. From this launch, Neil Armstrong made his famous giant leap for mankind, later to be followed by 11 other astronauts who also walked on the moon.

NASA's Scientist-Astronauts

International Aerospace Abstracts

Scientific and Technical Aerospace Reports

This illustrated history by a trio of experts is the definitive reference on the Apollo spacecraft and lunar modules. It traces the vehicles' design, development, and operation in space. More than 100 photographs and illustrations.

Technical Papers Presented

NASA SP.

A fully updated new edition of the bible of model rocketry and the official handbook of the National Association of Rocketry G. Harry Stine was one of the founders of model rocketry and one of its most accomplished and respected figures. His Handbook of Model Rocketry has long been recognized as the most authoritative and reliable resource in the field. Now fully updated and expanded by Harry's son Bill Stine, who inherited his father's passion for model rockets, the new Seventh Edition includes the many changes in the hobby that have occurred since the last edition was published, such as new types of rockets, motors, and electronic payloads, plus computer software and Internet resources. This new edition also includes new photos and a new chapter on high-power rocketry. G. Harry Stine, founder and one-time president of the National Association of Rocketry, started the world's first model rocket company, whose kits are now in the Smithsonian. Bill

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Stine, also a model rocket expert, is the founder and president of Quest Aerospace Inc.

Journal

Volume of Technical Papers on Structural Dynamics

A Volume of Technical Papers Presented at AIAA/NASA Third Manned Space Flight Meeting

What if John F. Kennedy survived?

Rocketdyne

Handbook of Model Rocketry

Technical Paper - Florida Engineering and Industrial

Experiment Station

Flight Test Instrumentation

U.S. Government Research & Development Reports

This book provides unique access to the story of how scientists were accepted into the American Space Programme, and reveals how, after four difficult decades, the role of the heroic test pilot astronaut has been replaced by men and women who are science orientated space explorers.

Voyage

Paper

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Proceedings

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