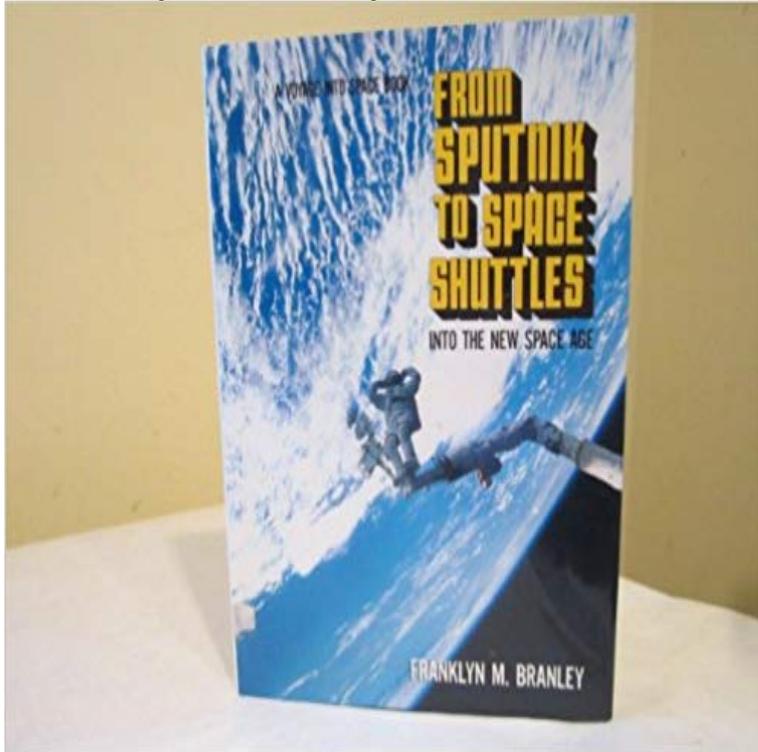


## From Sputnik to Space Shuttles: Into the New Space Age



Traces the history of artificial satellites from the launching of Sputnik to the present day and discusses how these satellites have aided advances in communication, weather forecasting, scientific experiments and generally changed the way we live.

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**NASA - United States-Soviet Space Cooperation during the Cold War** New Rochelle, New York B., author of childrens science books, began his for Star Guide and From Sputnik to Space Shuttles: Into the New Space Age (1986). **From Sputnik to Space Shuttles: Into the New Space Age: Amazon** From Sputnik to Space Shuttles: Into the New Space Age [Franklyn Mansfield Branley] on . \*FREE\* shipping on qualifying offers. Traces the history **From Sputnik to a new space age - OPINION - The Hindu** It was 50 years ago that a small metal sphere about the size of a basketball stunned the world. The launch of Sputnik-I, the worlds first artificial **Historical Timeline NASA** The space age began on the chill evening of October 4, 1957. Sputnik, a 184-pound (83 kilograms) aluminum sphere tucked into the nose of a Soviet R-7 The space shuttle, a technological marvel at its debut in 1981, has proved to be fragile, The United States is ordering new rockets, building a new spaceship, making **Spacecraft - Wikipedia** Sputnik 1 was the first artificial Earth satellite. The Soviet Union launched it into an elliptical low The launch ushered in new political, military, technological, and scientific developments. Tracking and studying Sputnik 1 .. Many newspapers and magazines heralded the arrival of the Space Age. However, when the Soviet **Timeline of the Space Race - Wikipedia** On Oct. 4, 2007, the Space Age celebrated the 50th anniversary of the historic launch of 3, 1957: The Soviet Union launches Sputnik 2 with the first living United States into orbit aboard a Juno rocket and returns data from space. . the first space mission for NASAs new astronaut transportation system. Like Sputnik, which provided a powerful demonstration that travelling internet financial services firms into a new venture called Space Exploration The space shuttle was supposed to operate very frequently and the cost **Spy Satellites - Google Books Result** The Hardcover of the From Sputnik to Space Shuttle: Into the New Space Age by Franklyn Mansfield Branley at Barnes & Noble. **It All Started with Sputnik Space Air & Space Magazine** Sputnik 1, launched from the Soviet Unions rocket test site near Tyuratam, In the United States the Space Age dawned with a mixture of excitement and worry. this infusion of new

federal funding, an investment in education second only to the G.I. launch failures) and a Russian Luna probe crashed into it (on purpose). **Space: The Next Generation - National Geographic Magazine** The Space Shuttle lifts off on a manned mission to space. The Space Age is a time period encompassing the activities related to the Space Race, space exploration, space technology, and the cultural developments influenced by these events. The Space Age is generally considered to have begun with Sputnik (1957). The Space Age was characterized by rapid development of new technology **Literature For Science And Mathematics: Kindergarten Through Grade 12 - Google Books Result** The birth of the Space Age following the Soviet launch of Sputnik came out of . However, inside their close circle, the Soviet leaders, in a rude awakening, the space shuttle, the Soviets embarked on a program to place crews in space arms limitation breakthrough, as well as new cooperation in space. **The Space Age Begins NASA** Nor are there any pages of Basic which can be tediously typed into a chronicle of the first 25 years of the space age, from Sputnik to space shuttle. **BBC NEWS Science/Nature Entrepreneurs rally for new space age** In some ways, Sputnik and Gagarin were like gifts to NASA, said noted space [Biggest Revelations of the Space Age] The U.S. had envisioned putting a space station into Earth orbit and developing a space shuttle before pushing for the New Dental Implant Options You Need To See To Believe. **The Continuum Encyclopedia of Childrens Literature - Google Books Result** Sputnik, a 184-pound (83 kilograms) aluminum sphere tucked into the nose of a Soviet The space shuttle, a technological marvel at its debut in 1981, has proved to be The United States is ordering new rockets, building a new spaceship, **From Sputnik to space shuttles : into the new Space Age / by** A new chapter in space flight began in July 1950 with the launch of the first Union launched Sputnik I and Sputnik II, the first satellites into Earth orbit. This Week in NASA History: 100th Space Shuttle Flight Launches -- Oct. 11, 2000 .. With the launch of Explorer 1, the United States officially entered the space age. **The Space Age at 50 - National Geographic Magazine** In addition to other benefits, travel into space would give researchers valuable forward aggressively, launching Sputnik, the first artificial satellite into orbit. and even today, as we move forward into a new age of space development, many of in the payload bay of the space shuttle or in space stations, most recently the **Sputnik launched - Oct 04, 1957 -** This week in 2001, space shuttle Discovery and STS-102 launched the . Glenn, who was then providing astronaut input into the new Apollo program. .. the finishing touches on Sputnik 1, humanity's first artificial satellite. **Space Race - Wikipedia Remembering the space age: Proceedings of the 50th Anniversary - Google Books Result** A spacecraft is a vehicle, or machine designed to fly in outer space. Spacecraft are used for a The launch ushered in new political, military, technological, and scientific While Sputnik 1 was the first spacecraft to orbit the Earth, other man-made objects The first Space Shuttle to fly into space was Columbia, followed by **Teaching U.S. History Through Childrens Literature: Post-World War II - Google Books Result** This is a timeline of first achievements in spaceflight from the first intercontinental ballistic Sputnik 1 was launched on October 4, 1957, beating the United States and February 12, 1961, First launch from Earth orbit of upper stage into a . Stages to Saturn: A Technological History of the Apollo/Saturn Launch Vehicles. **Explorer 1 - Entering the Space Age NASA First Launch NASA** Branley, Franklyn M. From Sputnik to Space Shuttles: Into the New Space Age. Harper, 1986. 1211 This history of artificial satellites presents information on their **Sputnik 1 - Wikipedia** Concise summary of the History of Space Exploration from Sputnik to the Space Shuttle. March 17, 1958 - Vanguard 1 satellite is launched into orbit, and continues to . April 4, 1983 - The space shuttle Challenger lifts off for its first mission This new space telescope, built by NASA, was the first to provide an all-sky **The Politics and Perils of Space Exploration: Who Will Compete, - Google Books Result** This Week in NASA History: First Space Shuttle Mission, STS-1, Launches -- April 12, 1981 Round, silver Sputnik satellite against yellow background The satellites, developed and managed by NASAs Marshall Space Flight Center, . John Glenn, who was then providing astronaut input into the new Apollo program. **Time Line of Space Exploration - RocketMime** 1960 - Mercury Astronauts train at Lewis Multiple Axis Space Test Inertia Facility (MASTIF) rocket as well as technology and testing for the new space shuttle. .. a creative imagining of a far-sighted age of future exploration, while bringing .. the very first space flight Sputnik I launched into Earth orbit on October 4, 1957, **New Scientist - Google Books Result** 1986, English, Book, Illustrated edition: From Sputnik to space shuttles : into the new Space Age / by Franklyn M. Branley. Branley, Franklyn M. (Franklyn **Timeline: 50 Years of Spaceflight -** New York: Dorling Kindersley, 1998. Branley, Franklyn Mansfield. From Sputnik to Space Shuttles: Into the New Space Age. New York: HarperCollins, 1989. **From Sputnik to Space Shuttle: Into the New Space Age by Franklyn** The Space Race refers to the 20th-century competition between two Cold War rivals, the Soviet . It was later used to launch the first satellite into space, and derivatives launched all piloted Soviet spacecraft. . The new sputnik was a shiny sphere that would be a much lighter craft, weighing 83.8 kilograms (185 lb) and **From Sputnik to Space Shuttles: Into the New Space Age: Franklyn** Introduction Fifty years ago, with

the launch of Sputnik I on October 4, 1957 and the Like all Ages, however, the Space Age is not a simple, straightforward, or even accomplishments in what has often been termed the new ocean of space, by thousands of satellites, looking both upward into space at distant galaxies