

**ALABAMA SPACE & ROCKET CENTER—EARTH'S LARGEST SPACE EXHIBIT**

# **THE SPACE PLACE LETS YOU BE THE ASTRONAUT**







When U. S. Astronauts landed on the moon at the end of the decade, they unveiled a plaque which reads, "Here men from planet Earth first set foot upon the moon, July 20, 1969, A.D. We came in peace for all mankind."

Now for the first time, the adventure and drama of man's first journey to another planetary body can be relived at the world's largest space exhibit — the Alabama Space and Rocket Center. The Alabama Space and Rocket Center is dedicated not only to the brave astronauts and the machines that made that historical journey, but also to a nation committed to progress. There have always been — and probably always will be — people whose fear of the unknown causes them to pull back on the coattails of those who blaze new trails. But I truly believe that space exploration is vital to our nation's future.

This unique exhibit center is a graphic presentation of man's entry into the Cosmic Age, into a dawn of knowledge not yet fully envisioned, but one that is vast and unlimited and holds forth the greatest hope for the future of earth and man.

Housing an impressive collection of space artifacts and exhibitry, the Alabama Space and Rocket Center is much more than a place of entertainment. It is an educational tool. It lets you become involved in the exciting and challenging age of space travel.

The Alabama Space and Rocket Center is by far, the best facility of its kind in the world. I know that you will find your visit here exciting, educational, and one not soon to be forgotten.

*Wernher von Braun*

Welcome to the Alabama Space and Rocket Center, Earth's largest missile and space exhibit. Your visit to this Center will be a new experience in entertainment, education and involvement. The "Space Place" lets you be the astronaut — as you see, hear, touch, operate, and manipulate Space Age equipment. It is far removed from the "don't touch" style museum of tradition.

The Alabama Space and Rocket Center is the most complete aerospace exhibit of its kind in the world. You can literally put your hands on almost every missile and space vehicle ever built, from Redstone to the Apollo/Saturn V, and representative samples of just about every kind of satellite and manned spacecraft ever launched by the United States.

The actions, sights and sounds of the era of man's lunar journey delights all ages at the Alabama Space and Rocket Center — dedicated by the citizens of Alabama, "to those Americans who have made it possible for man to walk on the moon and to explore the universe, and to the youth of America who will use the technology of space for the benefit of mankind."

"The Center is here for your enjoyment and education. On behalf of myself and the staff, we look forward to serving you during your stay at earth's largest missile and space exhibit."

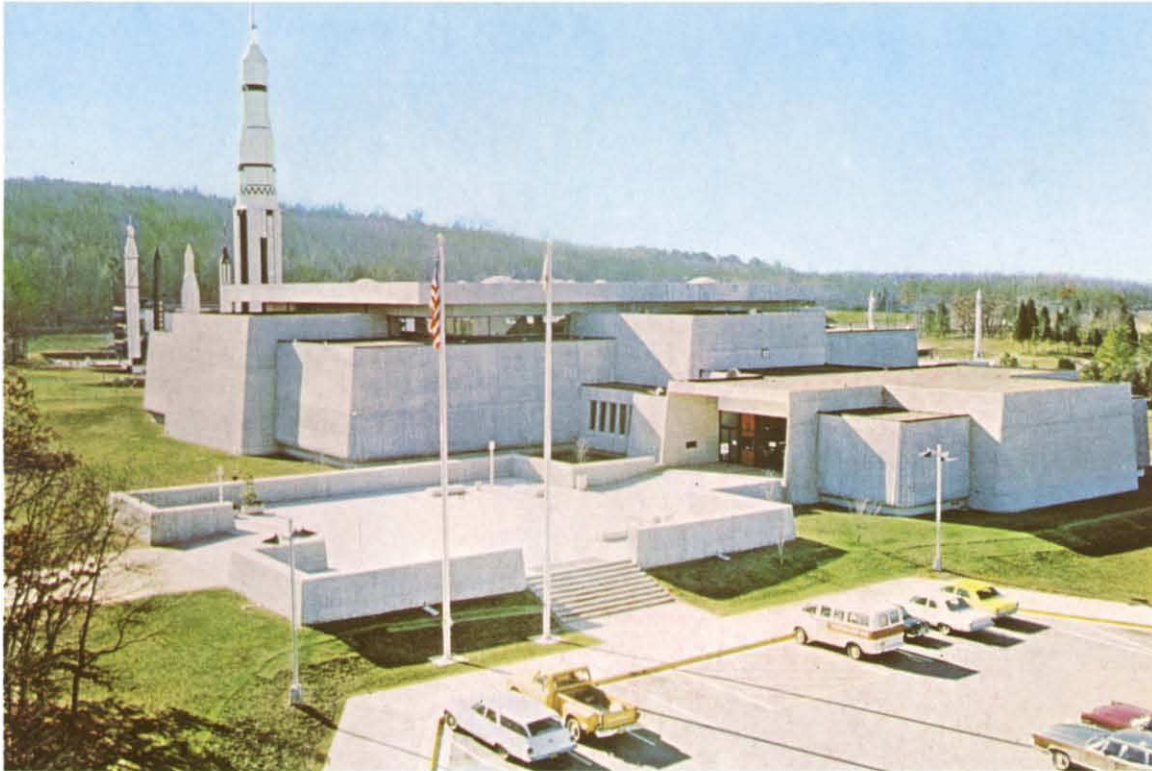
*Edward O. Buckbee*

Director  
Alabama Space and Rocket Center

# ALABAMA SPACE AND ROCKET CENTER

## EARTH'S LARGEST SPACE EXHIBIT

This souvenir book is your color picture tour guide to EARTH'S LARGEST SPACE EXHIBIT. It contains a selection of color photographs and a description of the many unique exhibits and authentic missile and space hardware at the Alabama Space and Rocket Center.



### MAIN EXHIBIT BUILDING

*Space age architecture depicts a rocket blockhouse of massive concrete construction.*



### ENTRANCE

*Thousands of visitors from all fifty states and fifty foreign countries have toured the only exhibit of its kind in the world.*





## LOBBY

*Where your trip through space begins.*

## MOON ROCK

*A particle from another body in our Universe.*





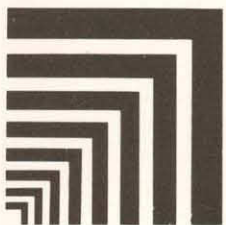


## WERNHER VON BRAUN RECOGNITION ROOM

*Collection of awards, honorary degrees and personal mementos bestowed on the world's most renowned space scientist.*

## TODAY IN SPACE

*Daily weather pictures taken by the Center's Weather Station are displayed in the Lobby.*

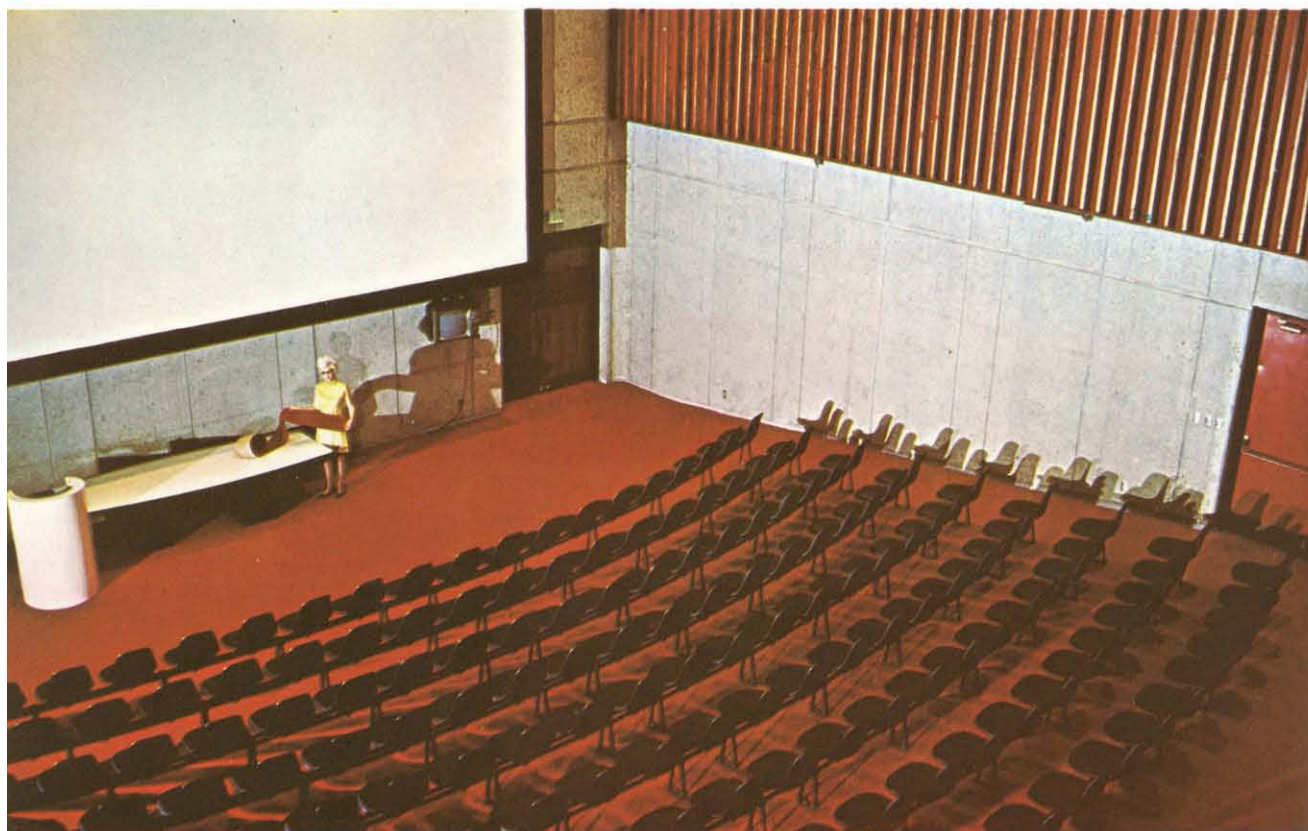
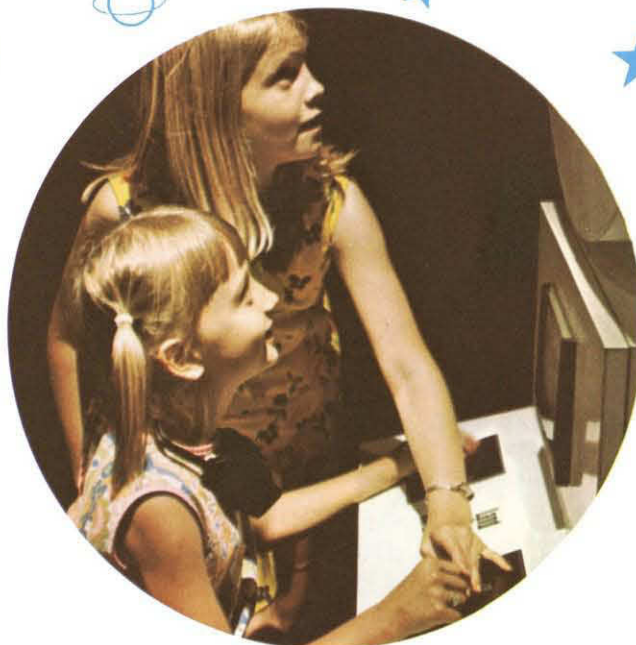


**THE SPACE PLACE  
LETS YOU BE THE ASTRONAUT**



FUN FOR ALL AGES

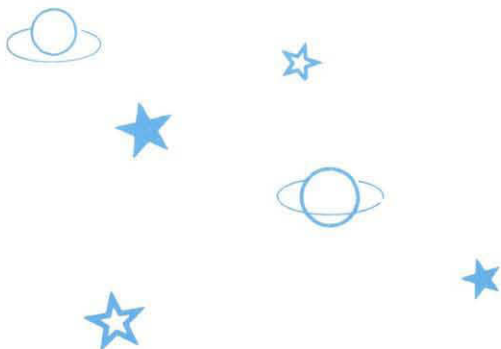
*Action exhibits that LET YOU BE THE ASTRO-NAUT occupy the West wing.*



SPACE THEATRE

*Freedom to Explore, the Center's award-winning film, and space flight films are scheduled throughout the day.*





## ROCKET ENGINE

*3, 2, 1, 0 - Ignition. The rocket engine fires and you are at the controls of a real live rocket engine.*

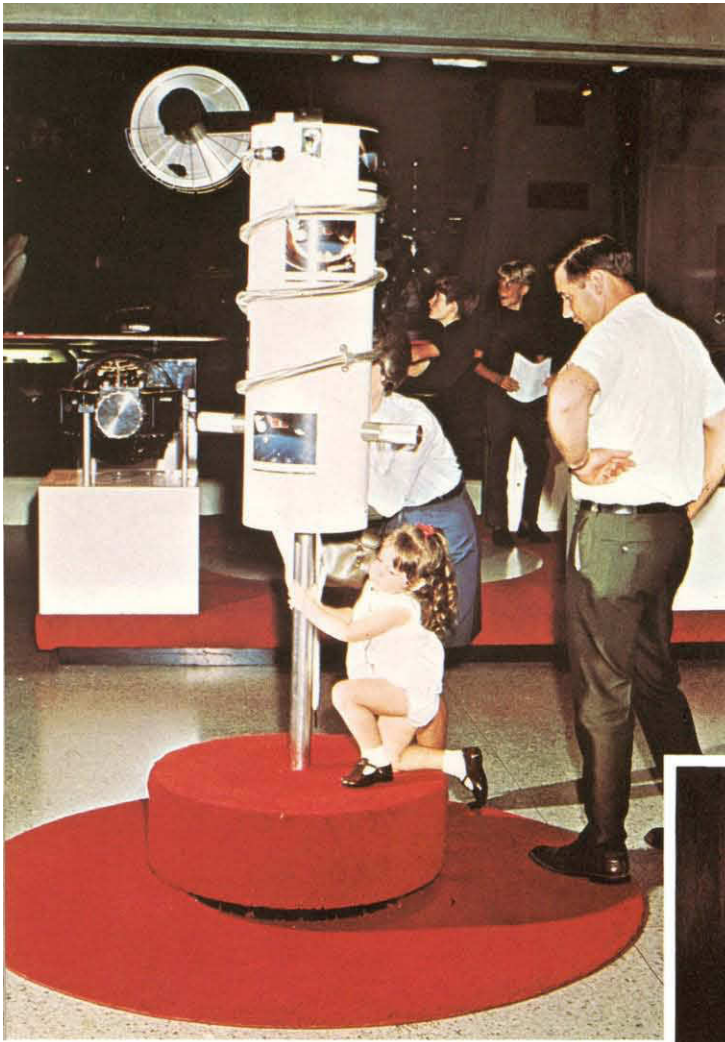


## THREE DIMENSIONAL PICTURE

*A red beam fired from a laser forms a three dimensional picture of the Apollo Lunar Module.*







## LOOK AROUND CORNERS

*Tube of continuous mirror-like material used to photograph the interior parts of rockets lets you look around corners.*

## LAND A MOON CRAFT

*Take the controls of the moon landing simulator and maneuver a moon lander to a soft landing on the lunar surface.*





## HEARTBEAT



*The sight and sound of your heartbeat being recorded by a wireless, mini-size transmitter.*

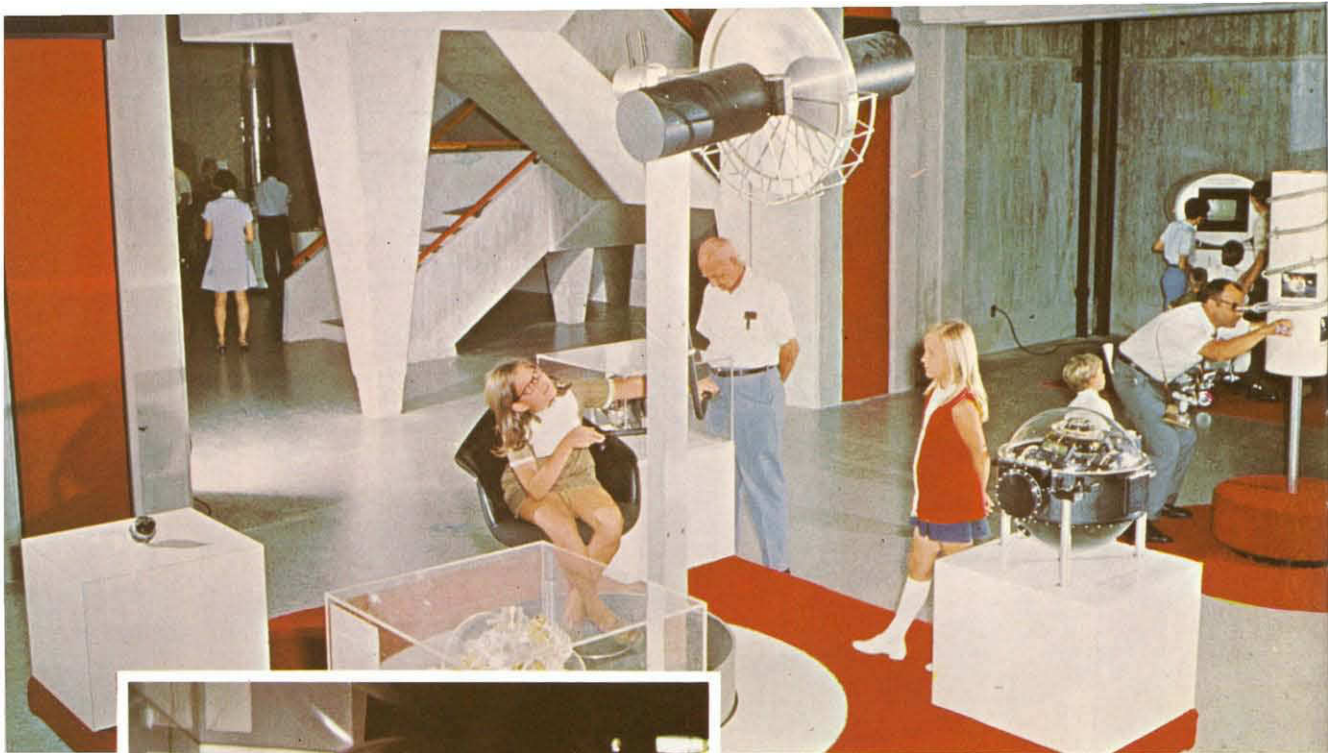


## GUIDING WAVES

*Demonstration of radar and radio waves used to communicate with missiles and space vehicles.*







## GYRO CHAIR

*Move the control handles and feel the rudiments of rocket guidance and control.*



## ACTION-REACTION

*Airplanes fly in the atmosphere and rockets fly in space as can be seen by manipulating this exhibit.*



## THE WORLD'S SMALLEST

*Smaller than small, TV sets, penny-size transmitters and parts the size of a needle head help you learn about micro-miniaturization.*



## PICTUREPHONE

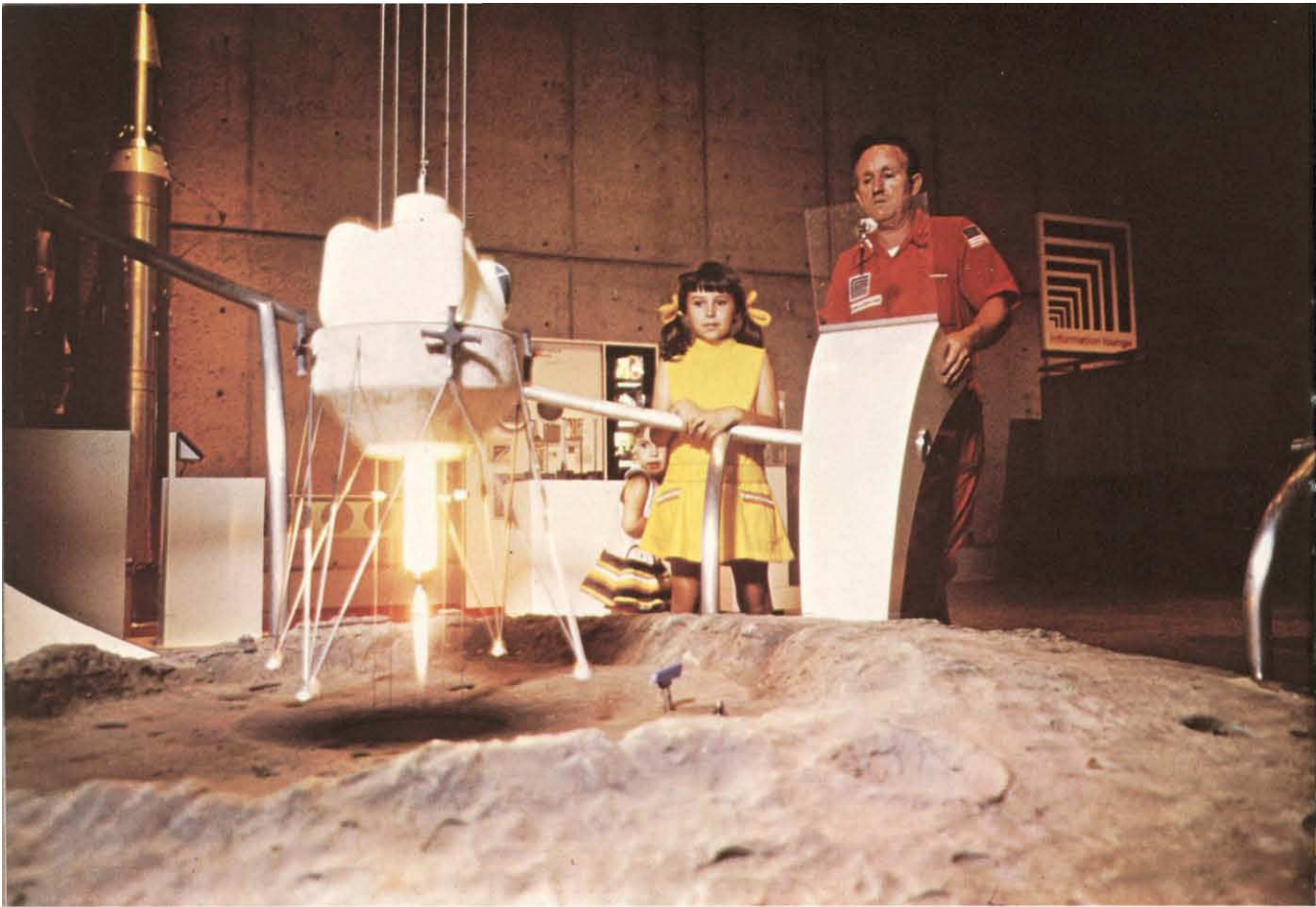
*Talk, and at the same time see a friend on the specially equipped telephone - television unit.*

## SPACE AGE MATERIALS

*Exotic and super-light materials used in missilery and space vehicles are on display.*





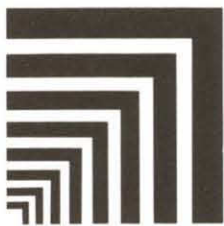


## MOONLANDER - HYBRID ROCKET DEMONSTRATIONS



*Simulated moon landing craft powered by a hybrid rocket engine.*

*This is one of the many live demonstrations held daily at the Space and Rocket Center.*



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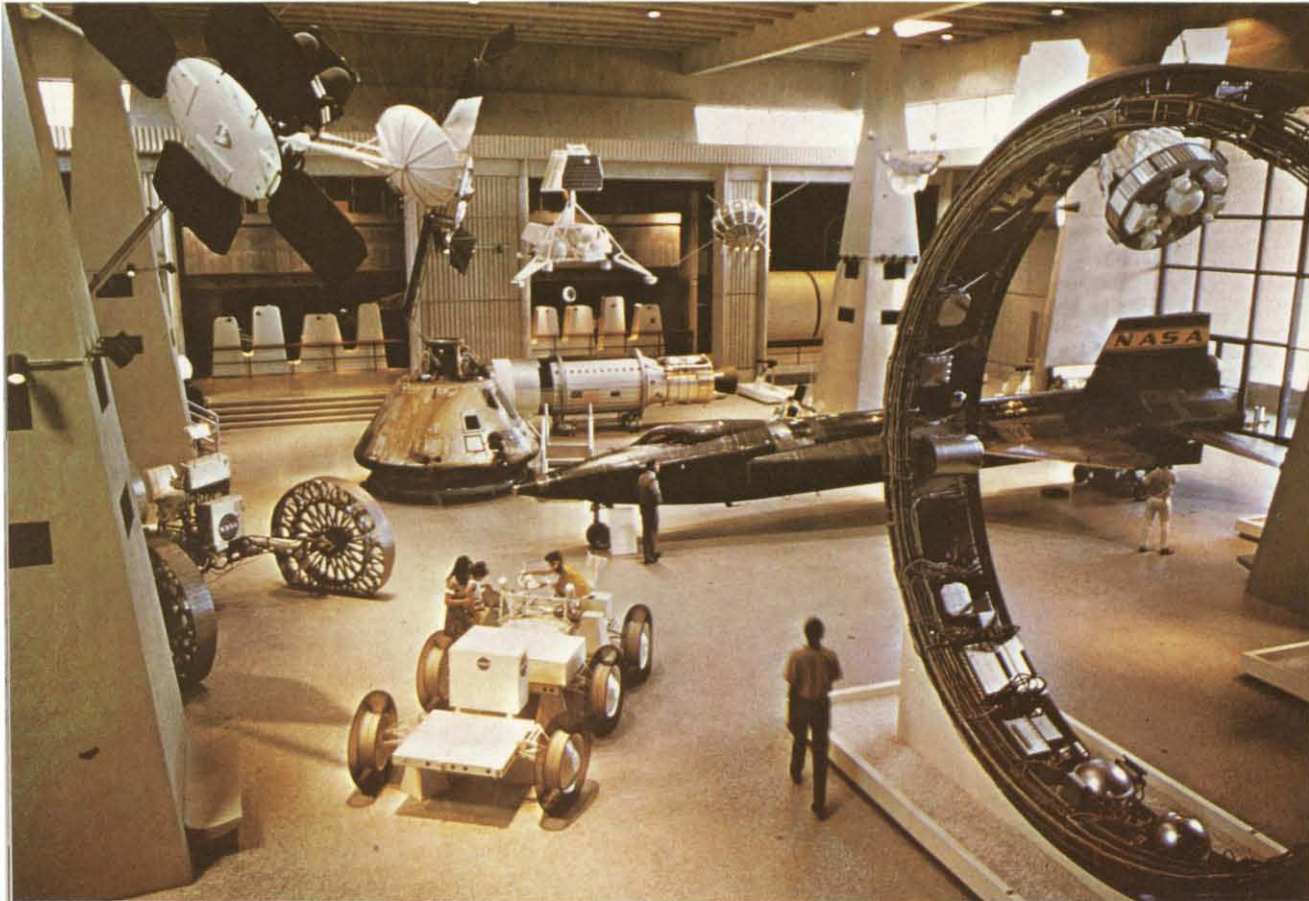




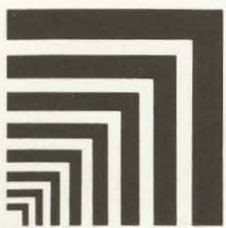
## INSTRUMENT UNIT

*This 22 foot diameter instrument ring is the central brain and nerve center of the Apollo/Saturn V moon rocket.*

# SPACE HARDWARE

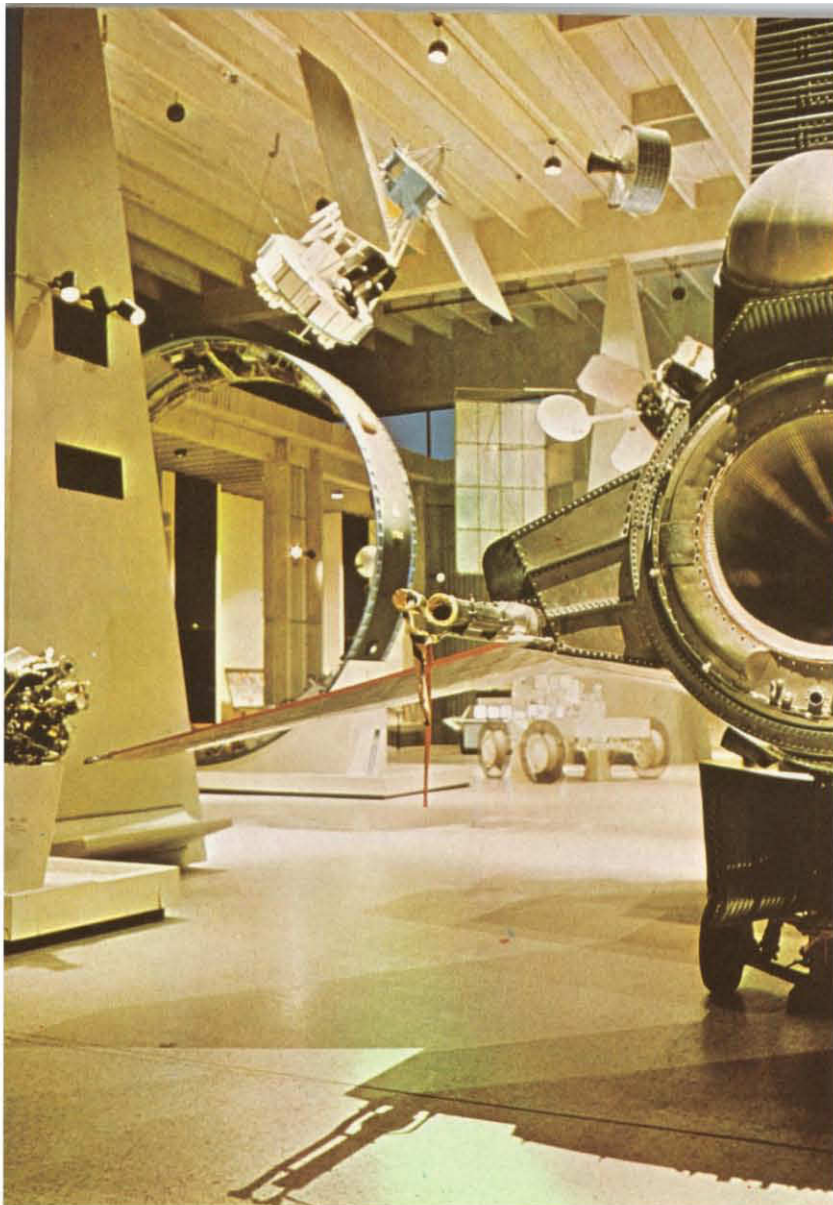


*Spacecraft, rocket engines, space stations, moon buggies, and satellites are housed in Space Hall.*

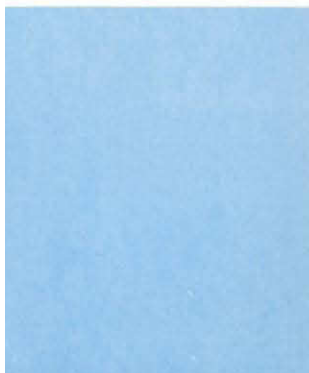
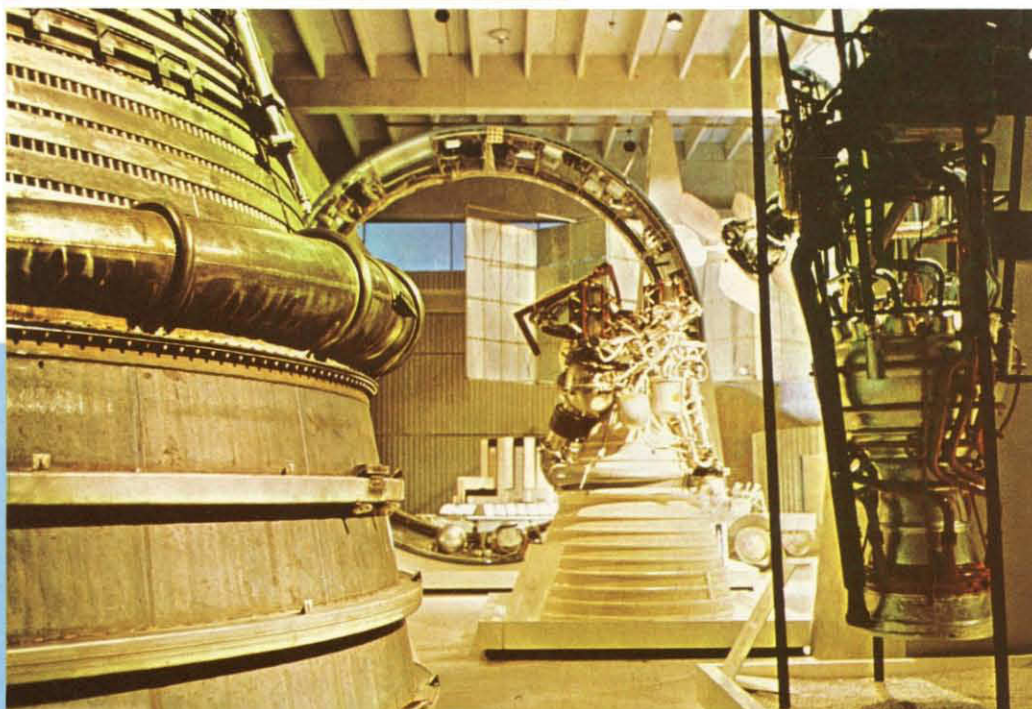


**THE SPACE PLACE  
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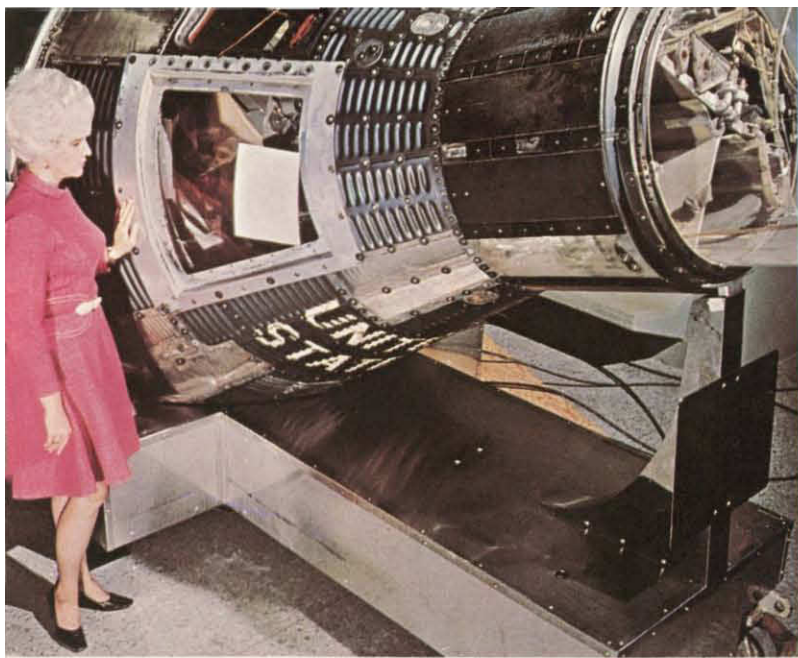




*Hardware in the Space Hall  
is changed periodically to  
show current and future  
space vehicles.*







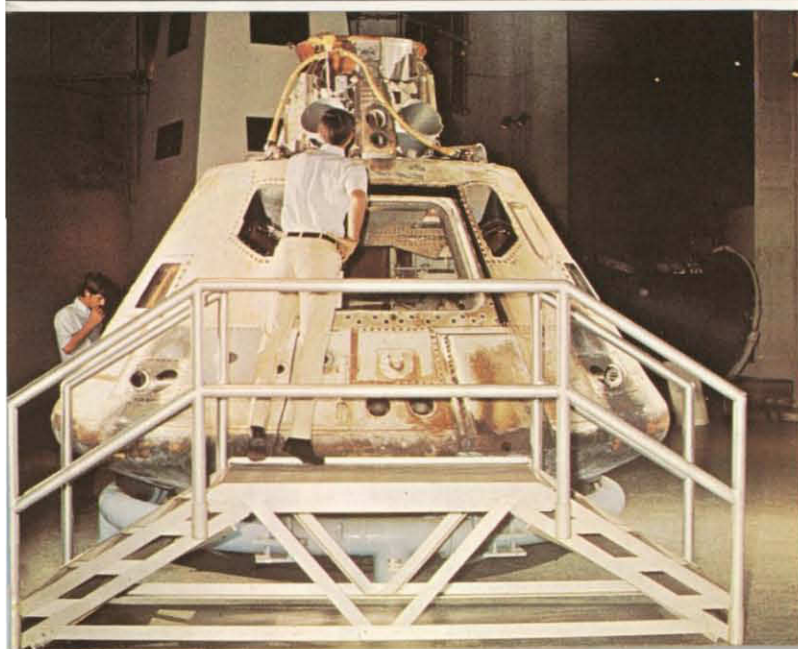
## MERCURY SPACECRAFT

*Recovered after splashdown, Sigma 7 was flown by Astronaut Walter Schirra in 1962. The sixth orbital flight was the third U. S. manned space flight in earth orbit.*



## GEMINI SPACECRAFT

*This is the cockpit of the two-man Gemini spacecraft used to train astronauts in rendezvous and docking maneuvers and walk-in-space missions.*



## APOLLO VI

*This Apollo spacecraft was launched unmanned into earth orbit by an Apollo/Saturn moon rocket. Apollo VI re-entry was at a speed of about 25,000 mph with heat shield temperature in excess of 5,000 degrees F.*

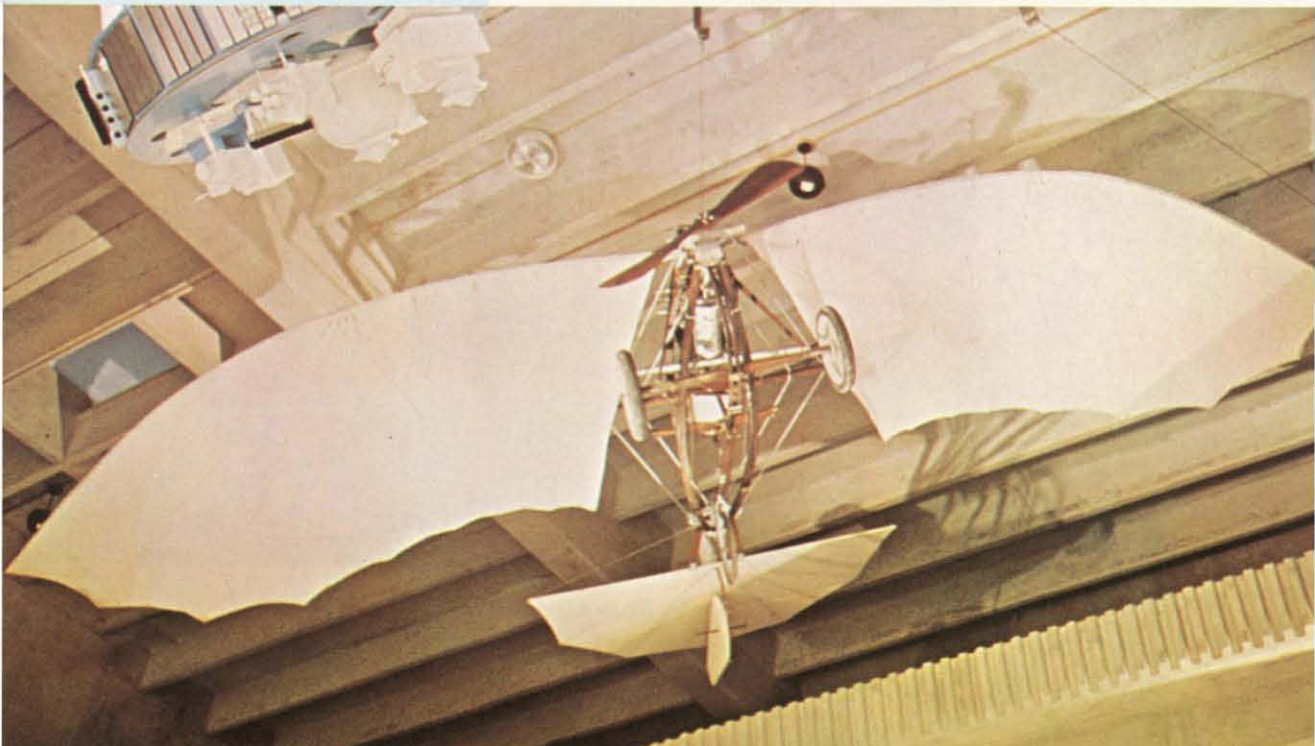


## HELICOPTER

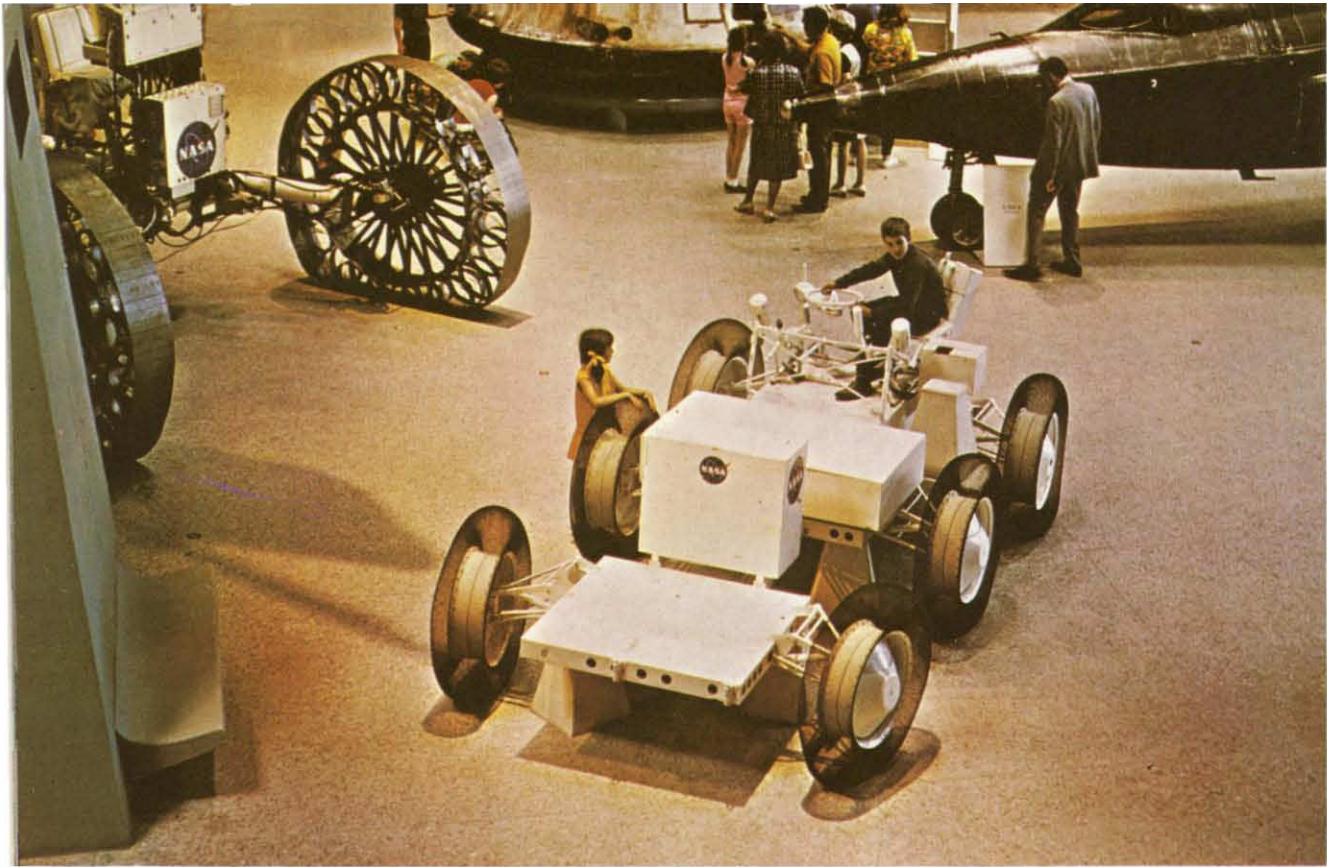
*This Huey gunship is equipped with rocket pods developed at Redstone Arsenal. Helicopters similar to this one are used to recover astronauts after splashdown.*

## QUICK MONOPLANE

*Designed and built near Huntsville in the early 1900's by William L. Quick, this unique aircraft was flown near the time of the historic Wright Brothers flight.*





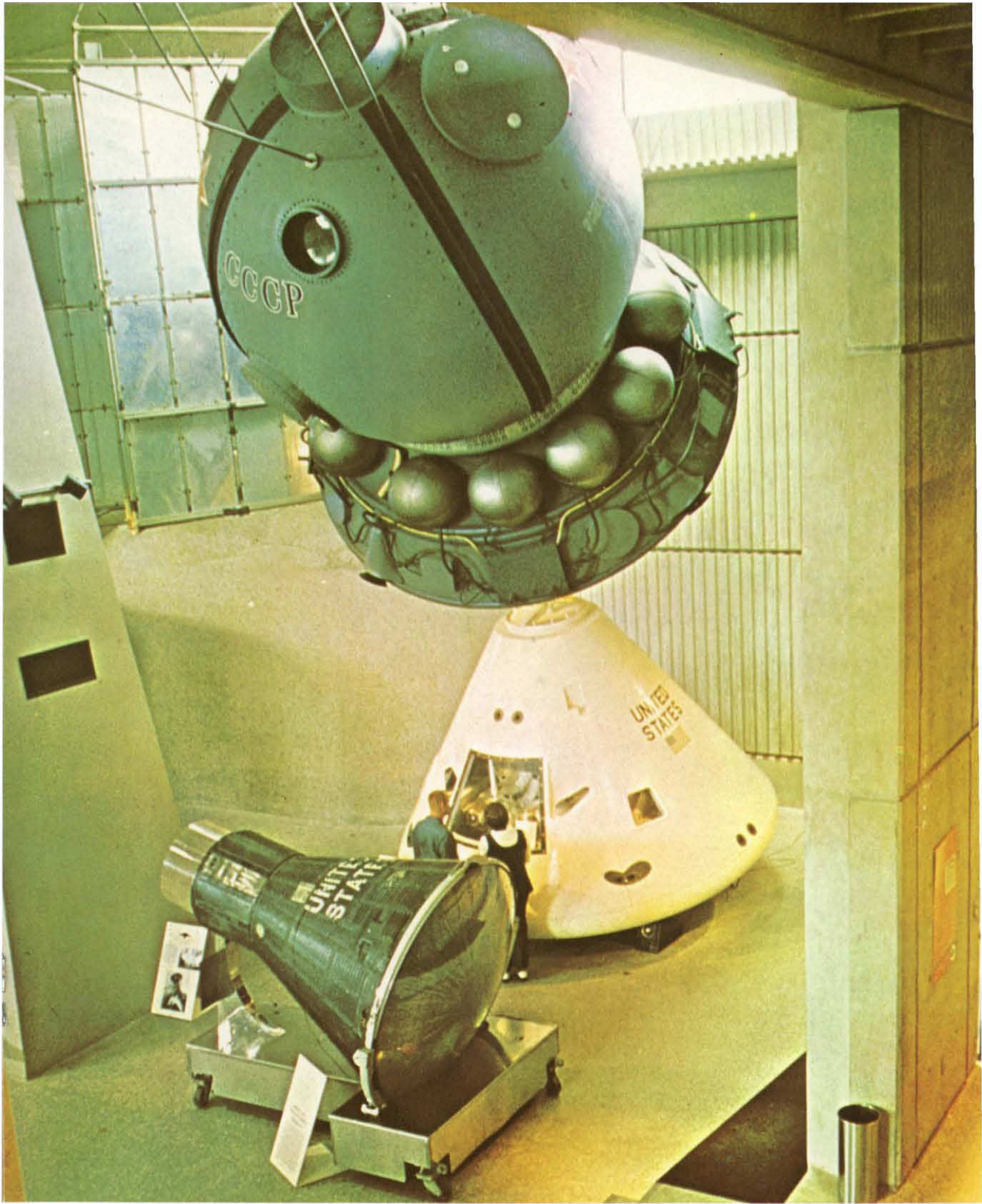


# MOON BUGGIES

*Mock-ups of early versions of the Lunar Roving Vehicle to be used by astronauts in extended exploration of the lunar surface.*







## SPACE SHIPS

*Replica of Apollo Moonship (below) and Russian Spacecraft (above) flown by Yuri Gagarin . . . The first man to orbit the earth. Mercury Sigma 7 (below foreground) is the actual spacecraft flown by Astronaut Walter Schirra.*

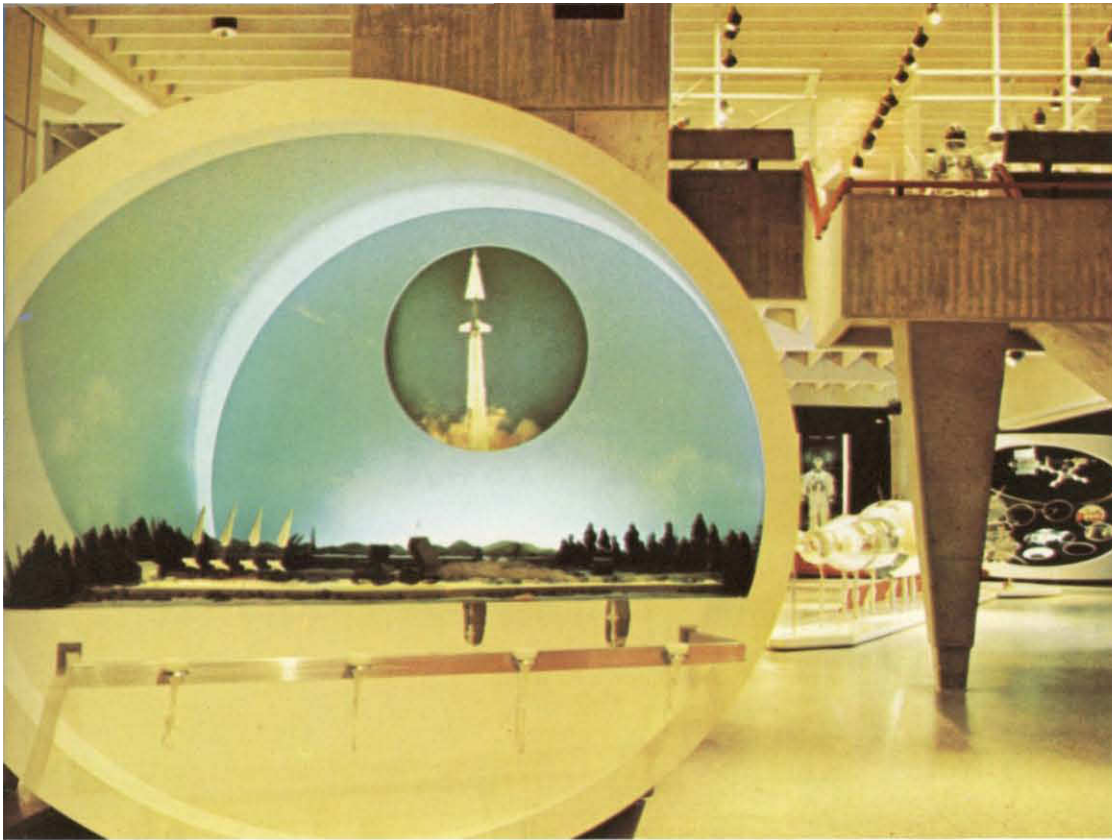




## MISSILE COMPUTER

*The Center's massive missile strategy computer permits two visitors to match their skills in the field of missile tactics.*





### MISSILE DIORAMA

*Models of the land combat and air defense missiles are displayed with audio-visual techniques that create authentic sights and sounds.*



### MOON SCALES

*Check your weight on the Center's specially designed scales that display Moon, Mars and Earth weights.*



### SKYLAB

*Animated exhibit depicting Skylab, a project involving manned flights into earth orbit for four to eight weeks.*



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## ASTRONAUT WEARING APPAREL

*Spacesuits and space tools used by the Apollo astronauts are on exhibit for public inspection.*





## ROCKET PIONEERS

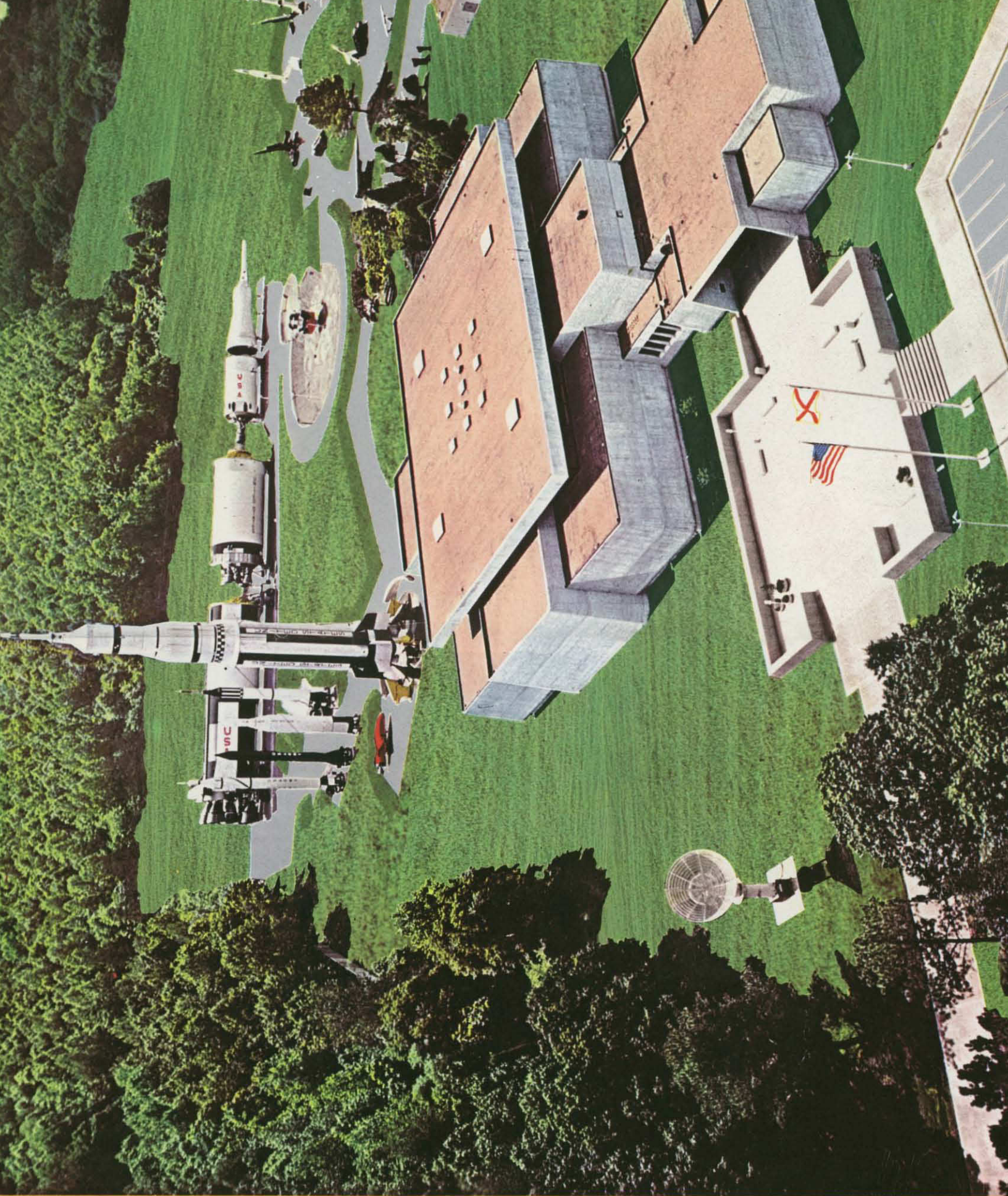
*The story of missile and space travel pioneers - Goddard, Oberth, Toftoy, and von Braun - is exhibited on the East mezzanine.*



## THE SPACE PLACE

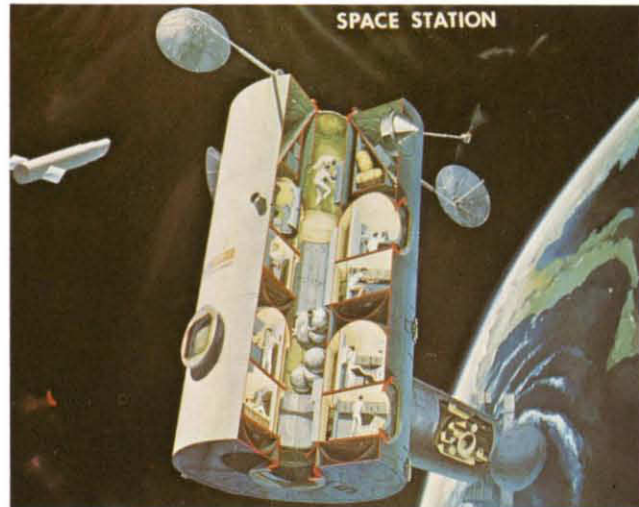
*A Fun Place To Visit*



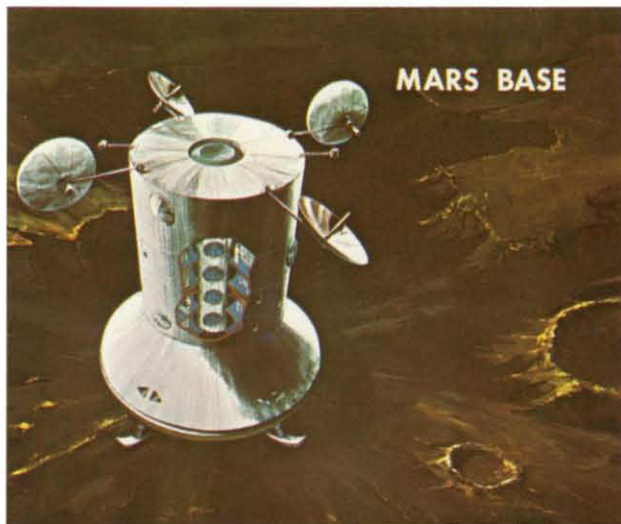


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## "AMERICA'S FUTURE IN SPACE"



*The Alabama Space and Rocket Center features a new exhibit on future space travel which depicts the plans of the United States during the next twenty years to explore space for peaceful purposes. The exhibit covers earth orbit, lunar and planetary missions presently being studied by NASA and aerospace contractors. Planned and unplanned benefits that have been derived from the space program are highlighted.*

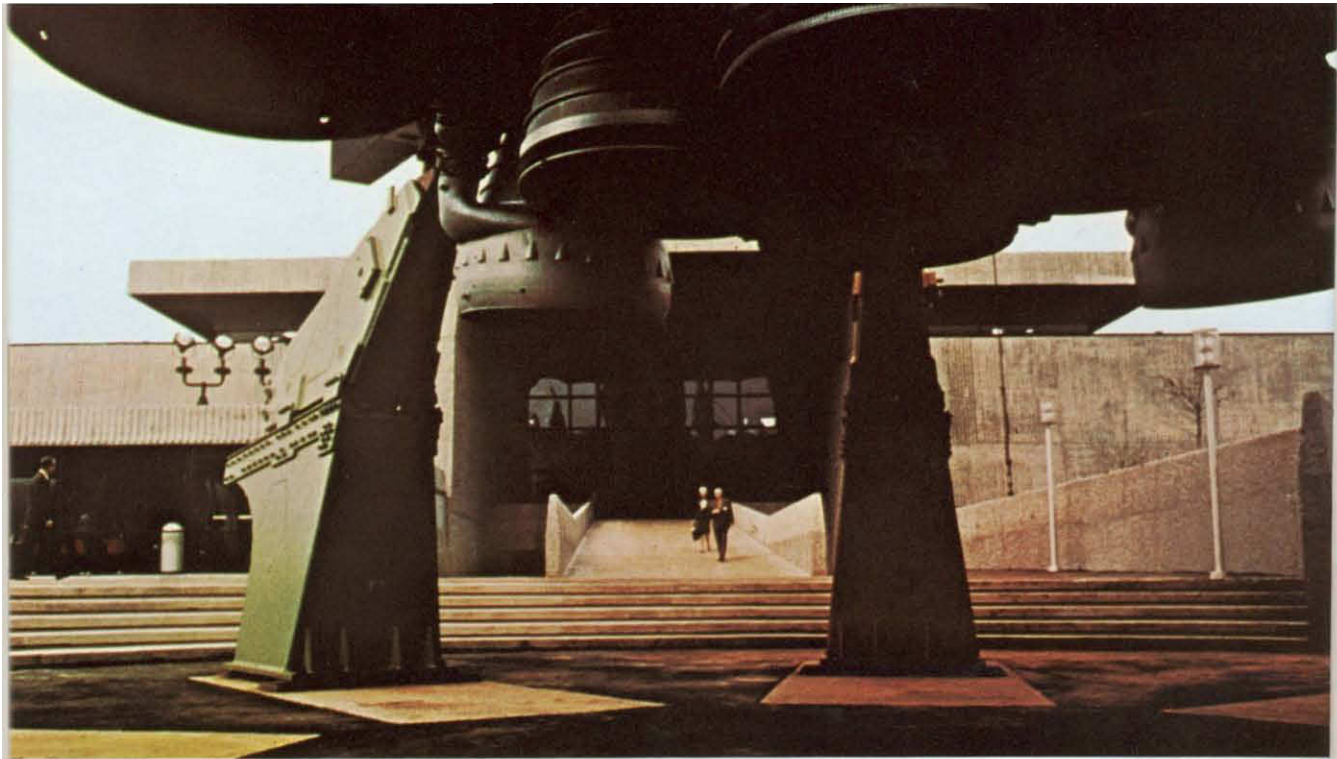




## BABY SATURN

*Landmark at the Alabama Space and Rocket Center is the 200 foot Saturn I rocket that towers over the Center's giant collection of rockets, missiles and space vehicles.*





## SATURN ENGINE ROOM

*Eight rocket engines developing 32 million horsepower is the lifting force of the Saturn I rocket poised on its launch arms and ready for flight.*

## ROCKET ROW

*Redstone, Jupiter, Atlas and other rockets of the past.*

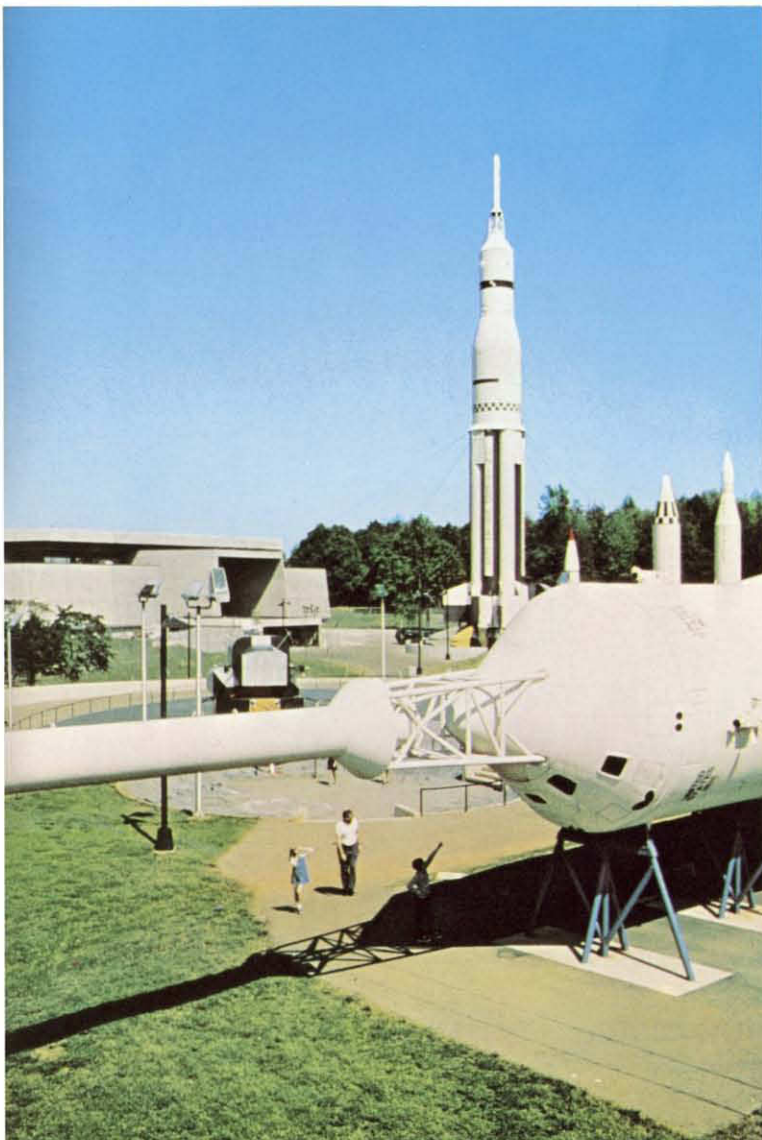






## MAN'S GREATEST SPACE MACHINE

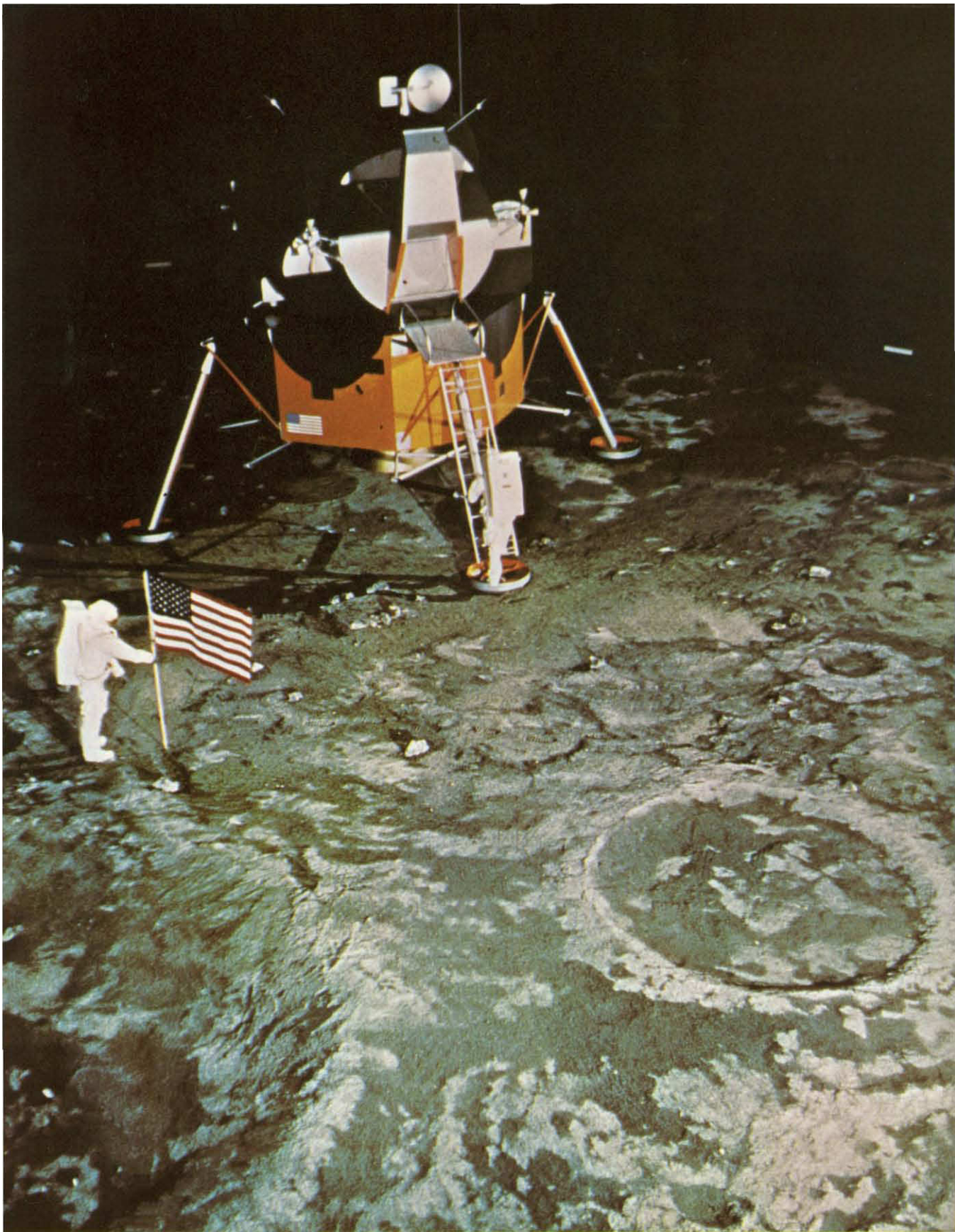
*How big is big? Big is an Apollo/Saturn V moon rocket as long as a football field and as wide as a two-lane highway. It weighs 3000 tons and transports men to the moon. The only full-size moon rocket on public exhibit in the world can be viewed from stem to stern.*



## CREW QUARTERS

*The Apollo spacecraft, with escape tower protruding, is the crew compartment for three astronauts during flights to the moon.*

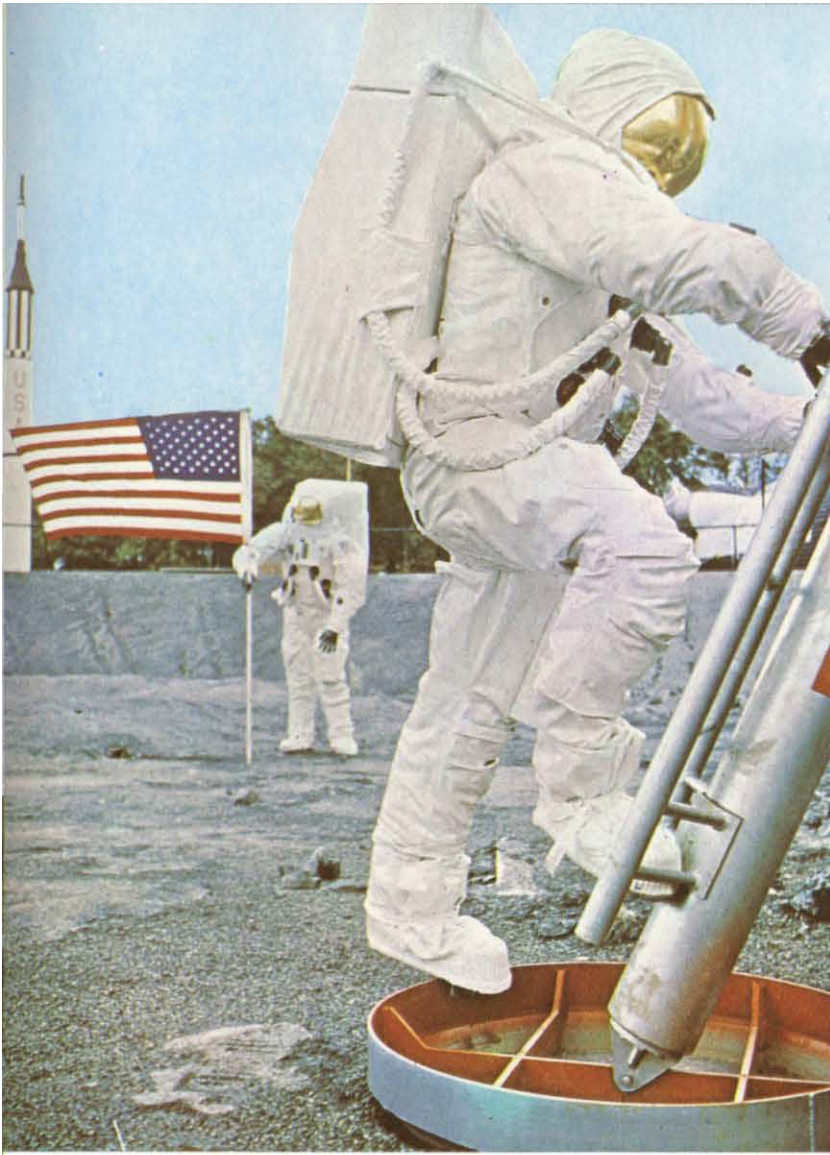




### MOON BASE AT NIGHT

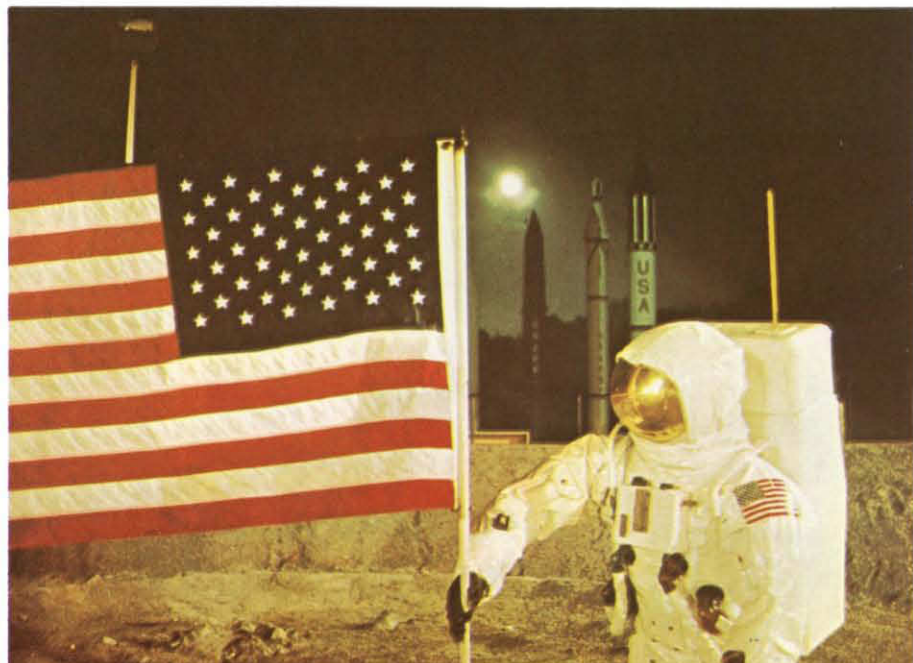
*The Space and Rocket Center's 100 foot diameter moon crater is a replica of a landing site explored by the Apollo astronauts. On the crater can be seen the landing craft and two astronauts dressed in lunar exploration spacesuits.*





*"That's one small step  
for man, one giant leap  
for mankind."*

*"Here men from the planet Earth set foot upon the moon, July 20, 1969, A. D.  
We came in peace  
for all mankind."*

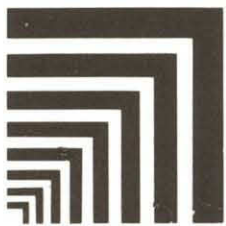






## WHERE THE POWER IS

*Consuming 5,000 gallons of liquid fuel, these five giant rocket engines generate 160 million horsepower, and propel the moon rocket during the first forty miles of the journey to the moon.*



**THE SPACE PLACE  
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*World's largest collection of missiles, rockets, and space vehicles.*

## MISSILES FOR DEFENSE

*Land combat, air defense and anti-ballistic missiles developed at Redstone Arsenal are exhibited in the Rocket Park.*



## HAWK

*An air defense missile system designed to protect our nation from attacking aircraft.*







*Redstone Arsenal is the nerve center of the U. S. Army's missile program. The U. S. Army Missile Command manages development, production and support of most of the Army's rocket propelled weapons. The U. S. Army Missile and Munitions Center and School annually trains hundreds of skilled soldiers to maintain missiles at operational sites throughout the world. Three other Army commands located in Huntsville are all directly involved in the nation's ballistic missile defense system. They include: The U. S. Army Safeguard Systems Command, the U. S. Army Safeguard Logistics Command and the Huntsville Division of the U. S. Army Corps of Engineers.*

## REDSTONE ARSENAL AND HUNTSVILLE THE MISSILE AND SPACE COMPLEX

*The George C. Marshall Space Flight Center, a NASA field center, is located on Redstone Arsenal. It was responsible for the development of the Saturn V moon rocket used to transport U. S. astronauts to the moon in Project Apollo. The Center's highly competent staff of men and women are presently studying future space flight programs such as Space Station, Space Shuttle, and other advanced missions. The development of Skylab and the Lunar Rover Vehicle hardware is also the Marshall Center's responsibility.*





## About the Alabama Space and Rocket Center. . . .

The Alabama Space and Rocket Center, Earth's largest space exhibit, was dedicated on March 17, 1970. Thousands of visitors from all fifty states and fifty foreign countries have toured the largest aerospace exhibit in the world.

The facility was provided by the citizens of Alabama who supported a \$1.9 million bond issue in 1965 to build the Center and furnish it with unique, entertaining and educational exhibits. Assistance was provided by NASA's Marshall Space Flight Center, U. S. Army Missile Command, private industry, Madison County, and the City of Huntsville.

The Center is a non-profit, educational organization owned and operated by the State of Alabama. It is governed by an eighteen member body consisting of state-wide business and government leaders, called the Alabama Space Science Exhibit Commission. Well known national figures serve as members of the Center's Science Advisory Committee, established to advise the Center on development of new educational and science exhibits.

Facilities at the Center include a 250 seat multi-media theatre equipped with 16mm and 35mm wide screen projectors and stereo sound system. Snack Bar facilities (Astro Bar) seats eighty visitors and serves pre-packaged authentic space food and vending machine dispensed Earth food. Shaded picnic areas provide comfortable eating on the thirty-five acre complex.

The Space Shop features the largest array of space related souvenirs available anywhere. Special educational material for use by schools and teachers can be obtained. Mail order sales are acceptable and can be ordered by writing for the Center's Space Souvenir catalog.

Special rates are available for adult and student groups. Reservations for group tours can be arranged by writing or calling the Space and Rocket Center.

Excellent accommodations are available in Huntsville and surrounding cities. For information concerning group tours or accommodations, contact:

**Alabama Space and Rocket Center**  
**Tranquility Base**  
**Huntsville, Alabama 35807**  
**Telephone: 205 837-3400**

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