

THE GREAT SPACE RACE



IT HAD TO
BE TOLD!
PUBLISHING

THE STORY OF HOW AMERICA PUT A MAN ON THE MOON!

Written by Jeff Attinella

Illustrated by David Capalungan

For Remy Rose



A sincere "thank you" to my father-in-law, Wayne Curtiss, who heard my idea while half asleep on the couch one night and has been "all in" ever since. For without his perseverance, effort and sincere passion, these books would not exist.



Special thanks to our friend Kathleen Pravlik for book design and layout.



IHTBT Publishing would like to thank Scott Fleenor for our logo creation and for lending his creative talents throughout this process.

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I want to tell you a story...
ONE THAT I STILL CAN'T BELIEVE!

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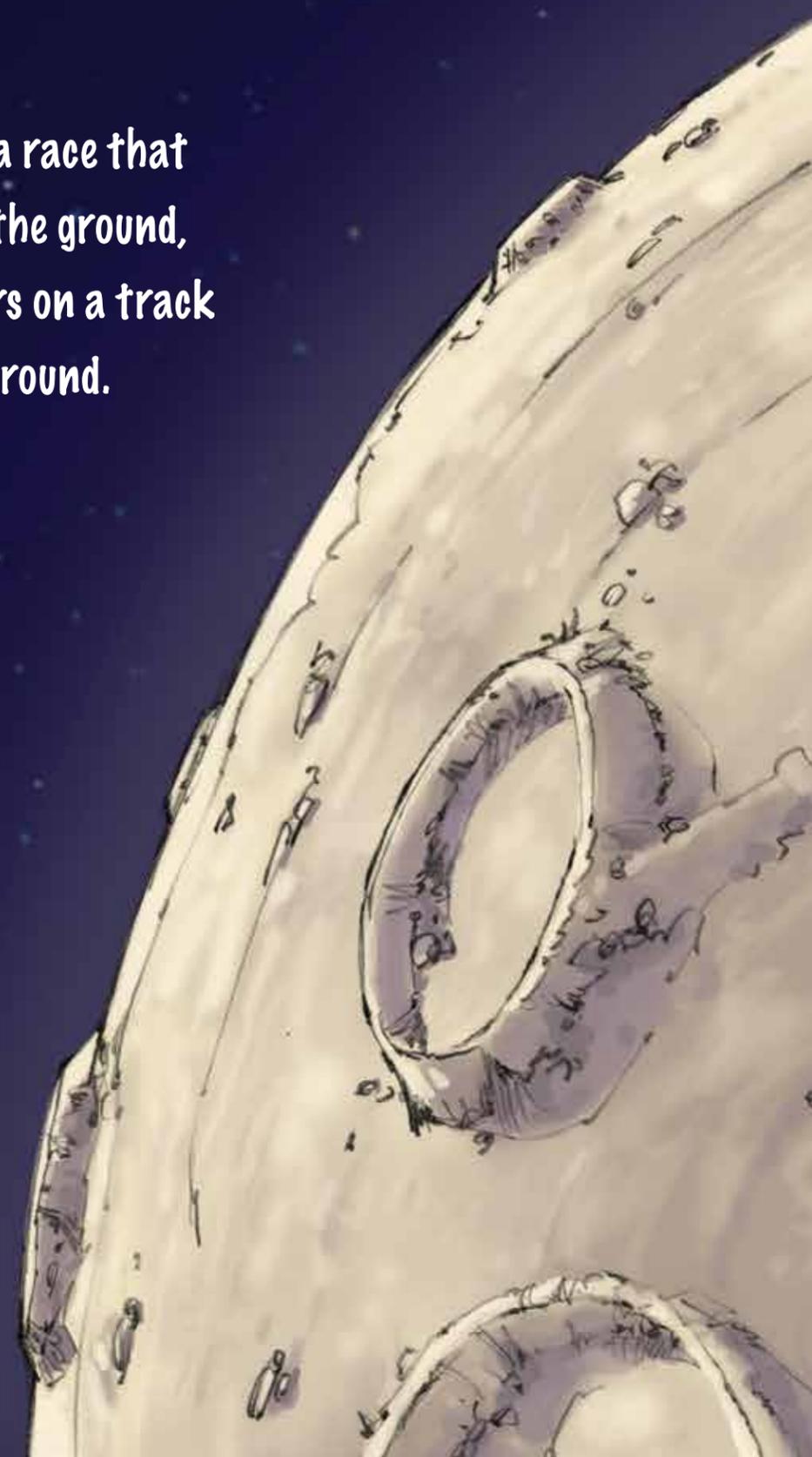
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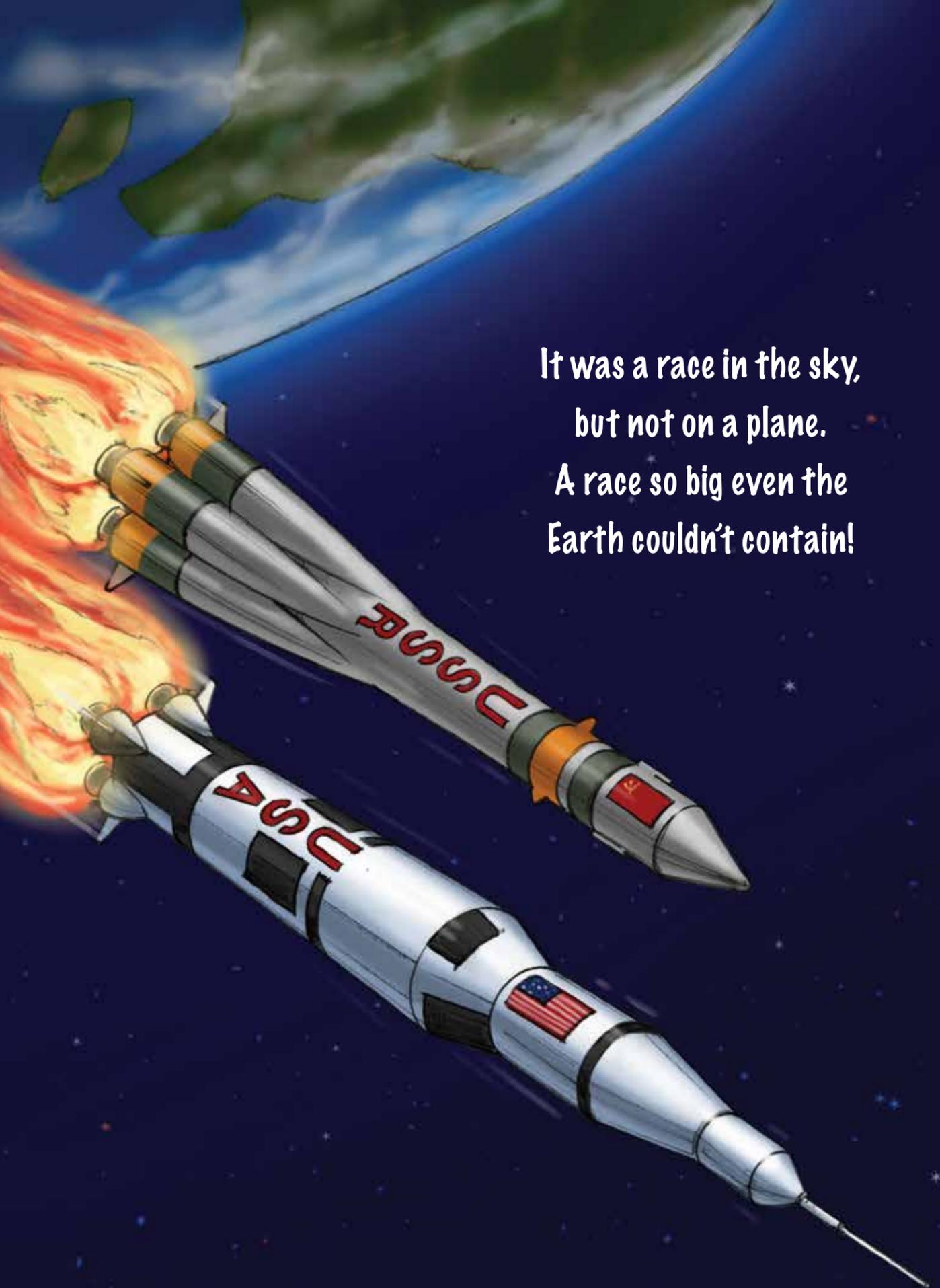
By Jeff Attinella
Illustrated by David Capalungan



This wasn't a race that
was run on the ground,
or even by cars on a track
that go round.



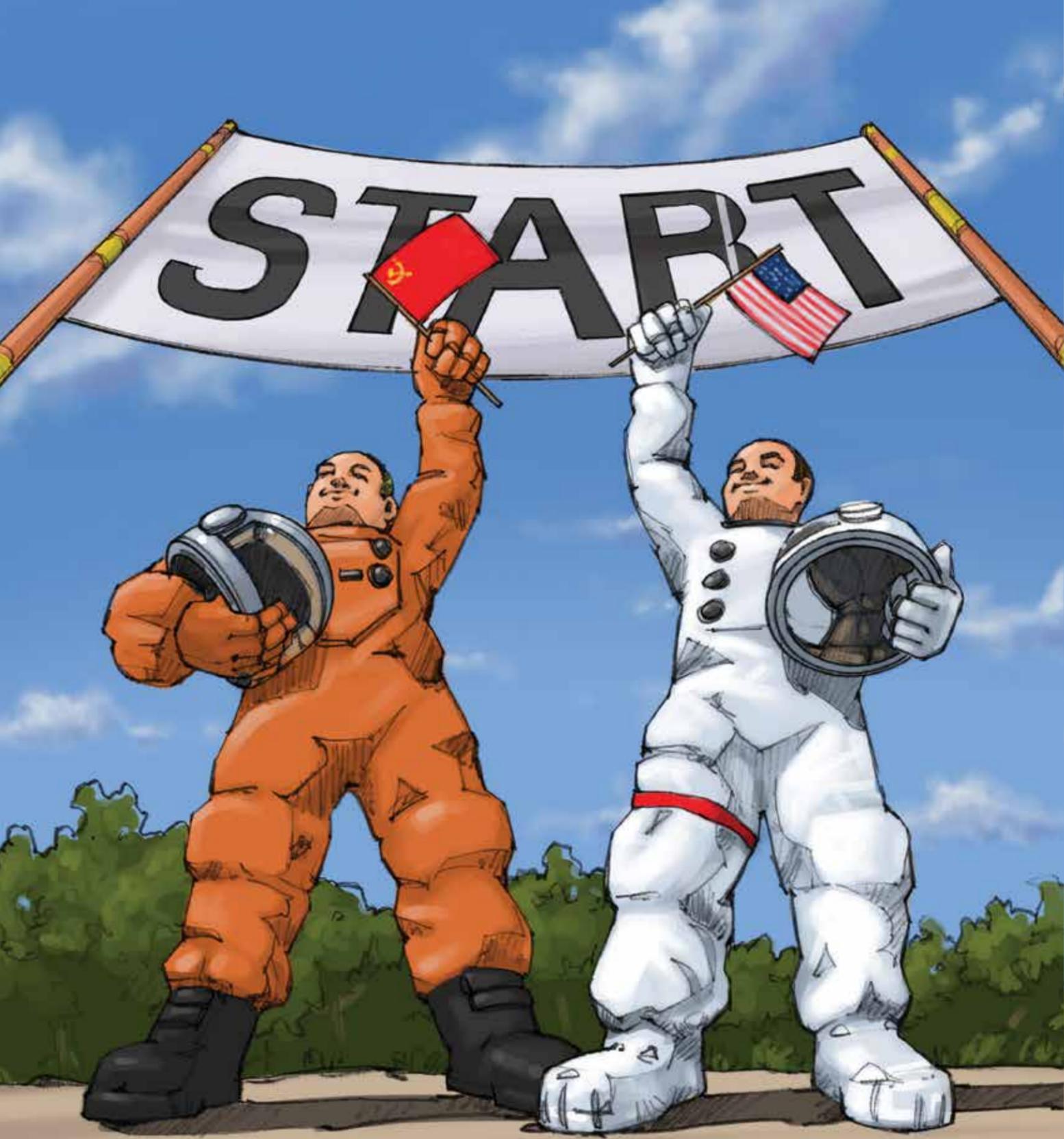
I want to tell you a story, one that I still can't believe.
The story of a race long ago,
the biggest the world had ever seen!



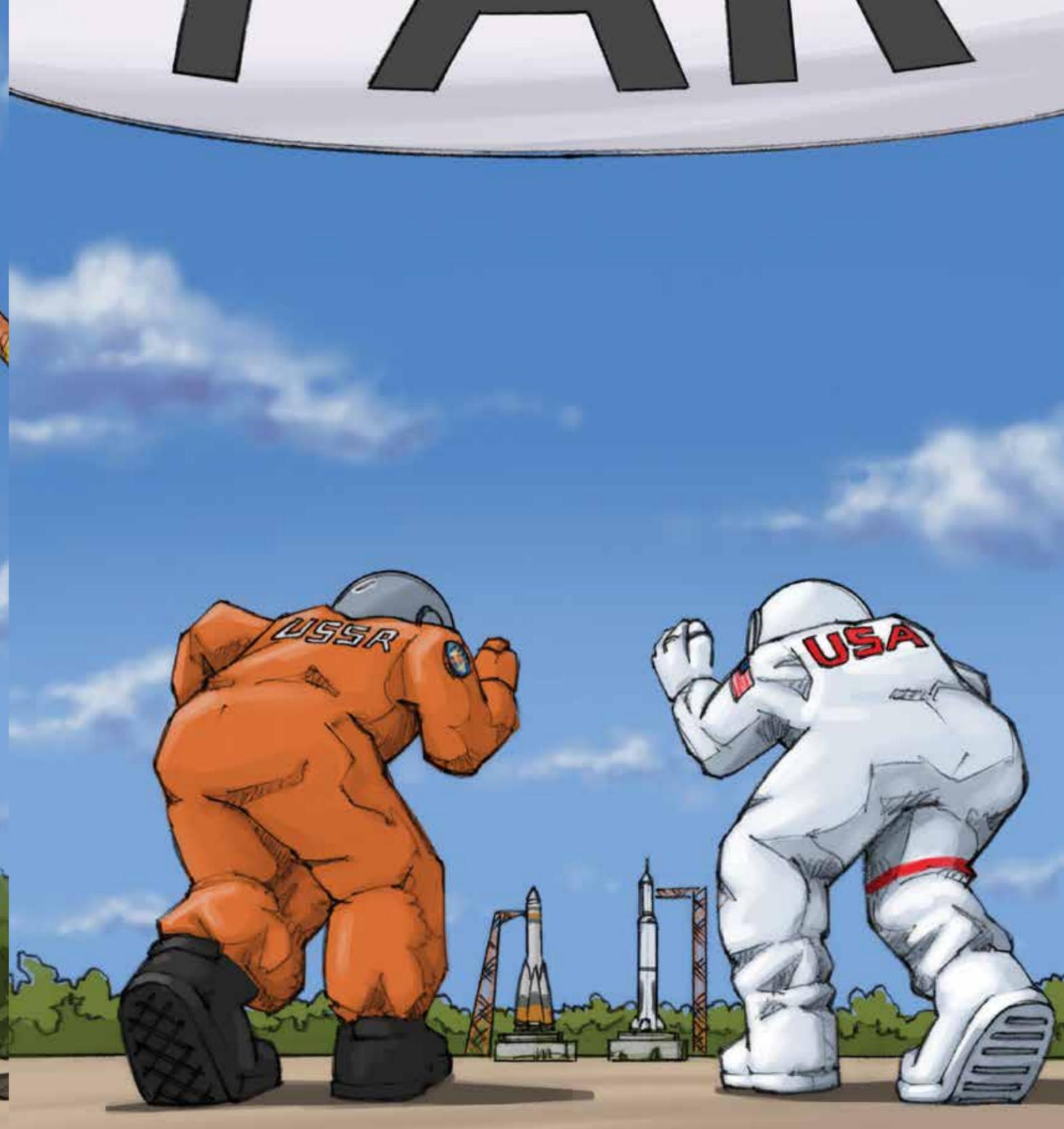
It was a race in the sky,
but not on a plane.
A race so big even the
Earth couldn't contain!

It was the race to the moon and it's really a true story,
a race between two countries competing for world-wide glory.



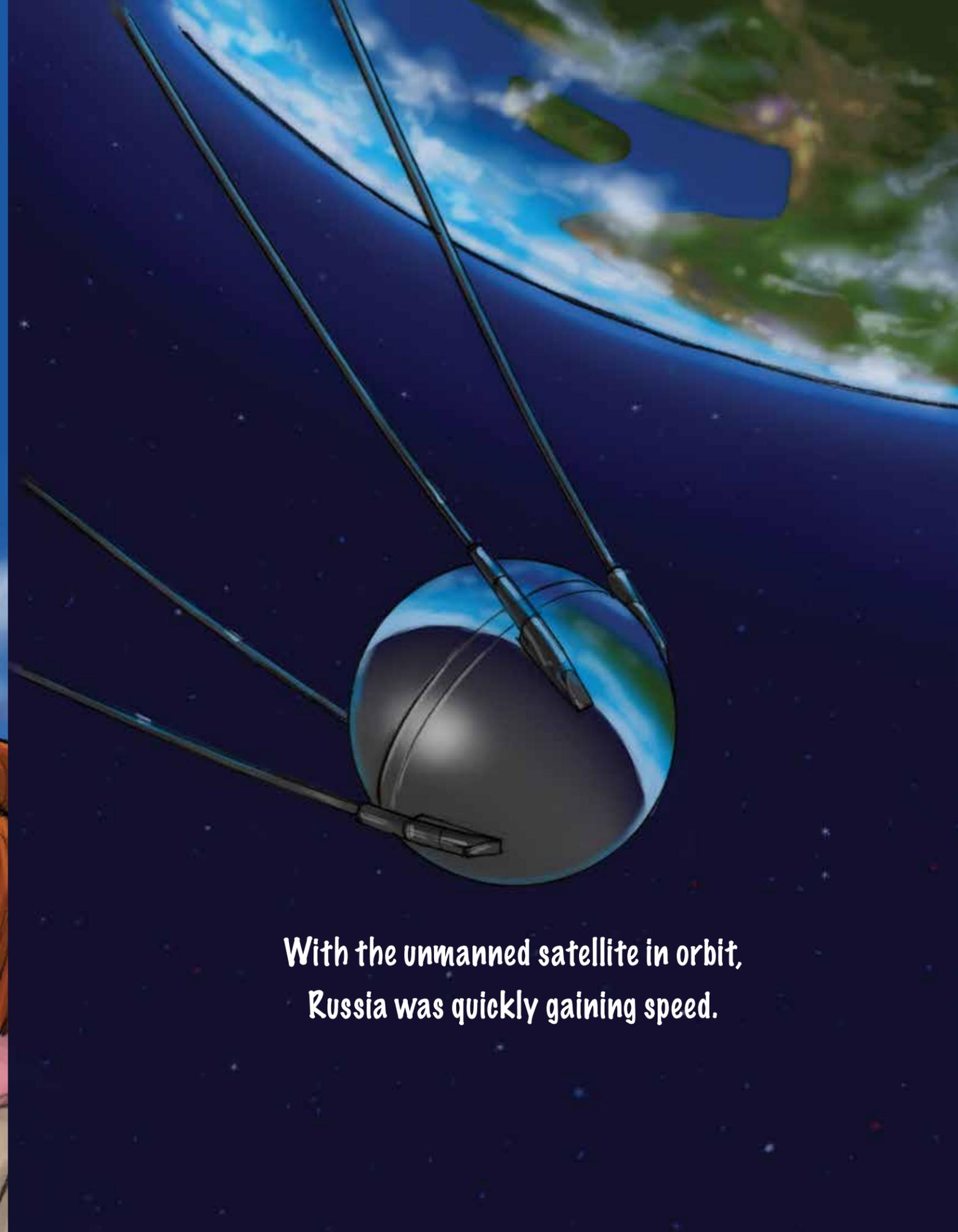


Russia and the United States were out to prove who was best; putting a man on the moon would be the ultimate test.

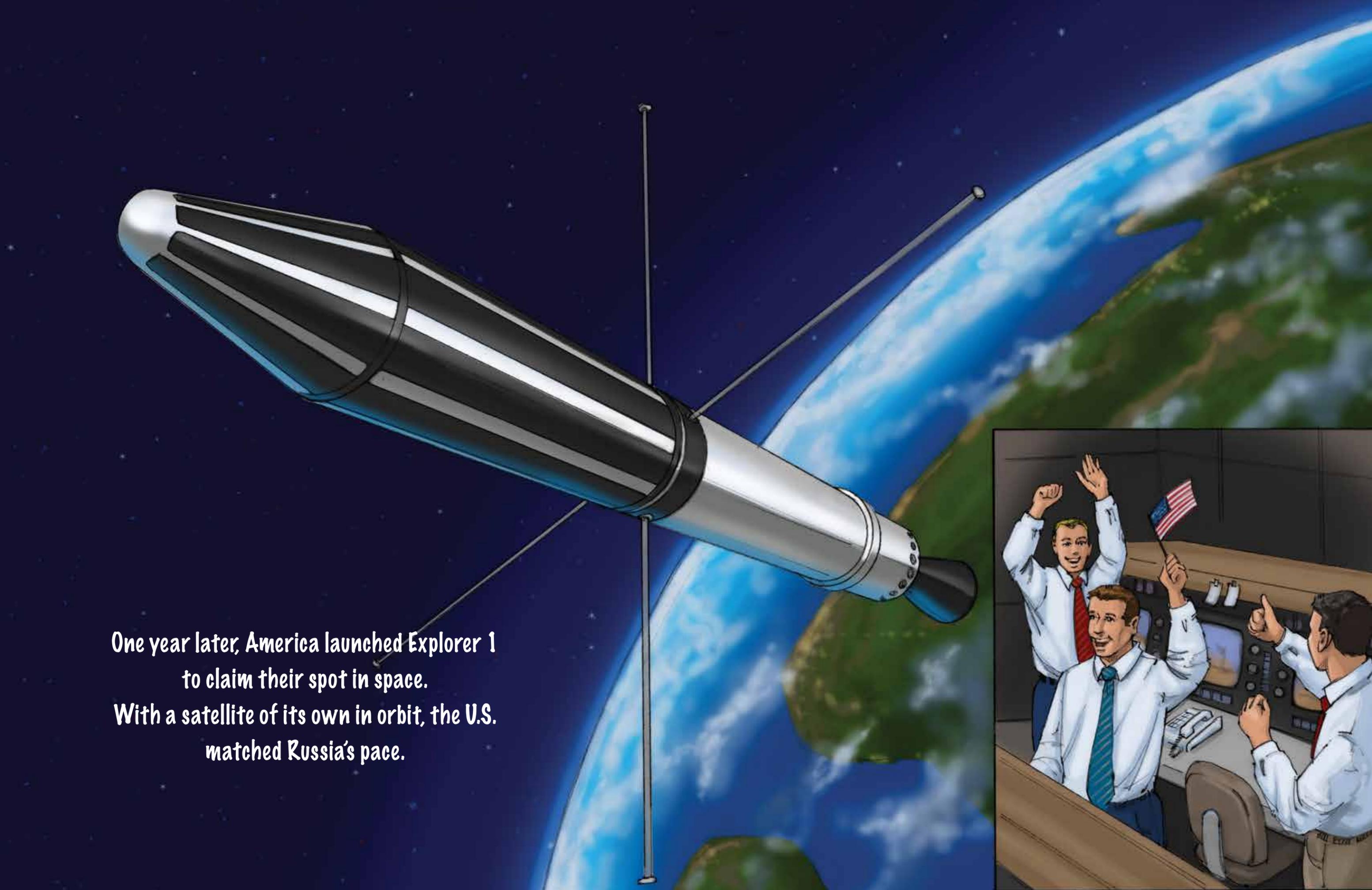


In 1955, the "Space Race" was all the talk. Two world powers stepped up to the starting block.

In 1957, Russia launched Sputnik One
and jumped to an early lead.



With the unmanned satellite in orbit,
Russia was quickly gaining speed.

An illustration of the Explorer 1 satellite in orbit above Earth. The satellite is a long, cylindrical object with a conical nose and a tail section. It has several long, thin antennas extending from its body. The Earth is visible in the background, showing green landmasses and blue oceans. The text is located in the lower-left quadrant of the image.

One year later, America launched Explorer 1
to claim their spot in space.
With a satellite of its own in orbit, the U.S.
matched Russia's pace.



U.S. TIMES 5¢

USSR Puts First Man in Space



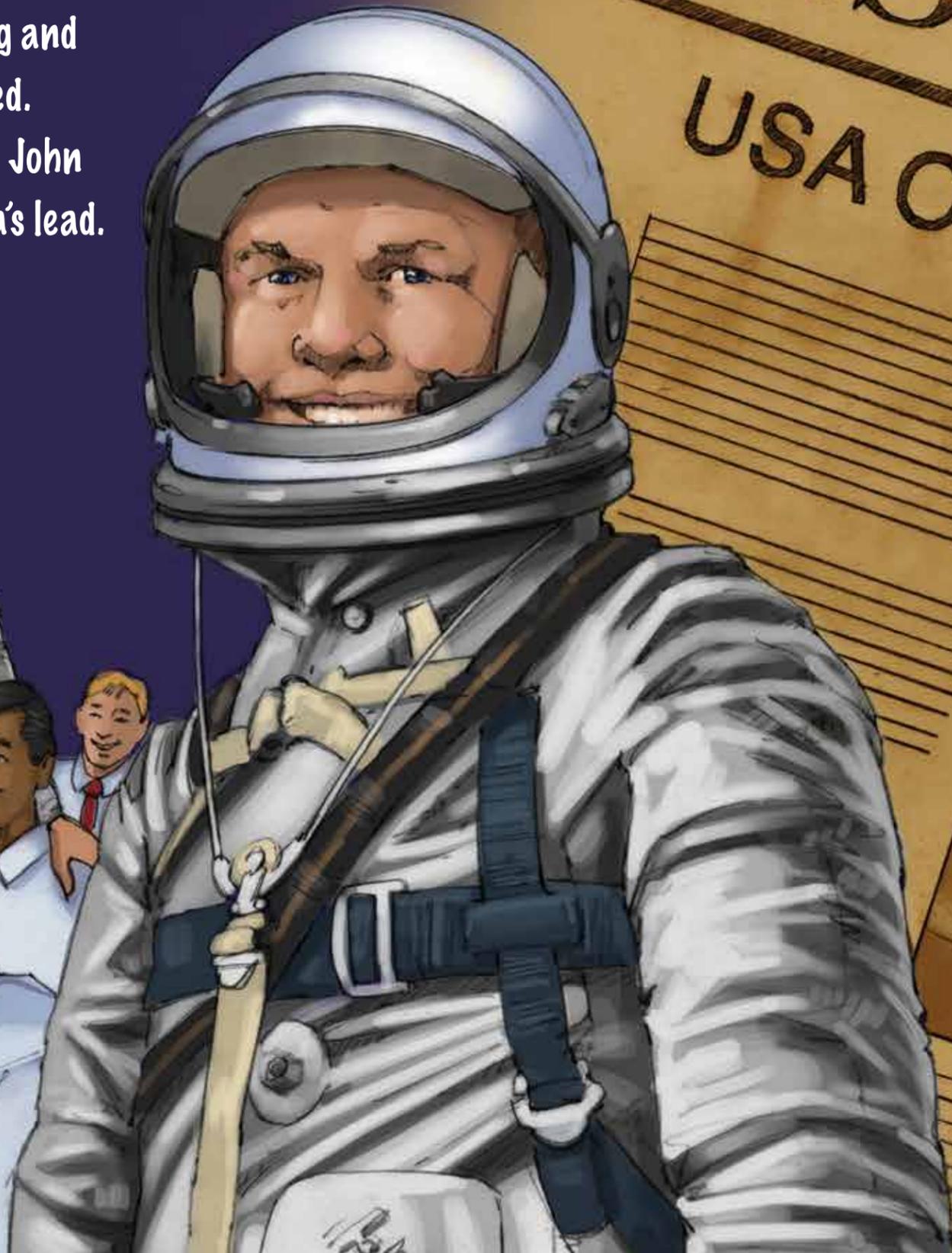
A few years passed before the next big splash,
but again it was the Russians leading the mad dash.



In 1961, Yuri Gagarin became the first person launched into space,
as Russia regained the lead, jumping back in first place.

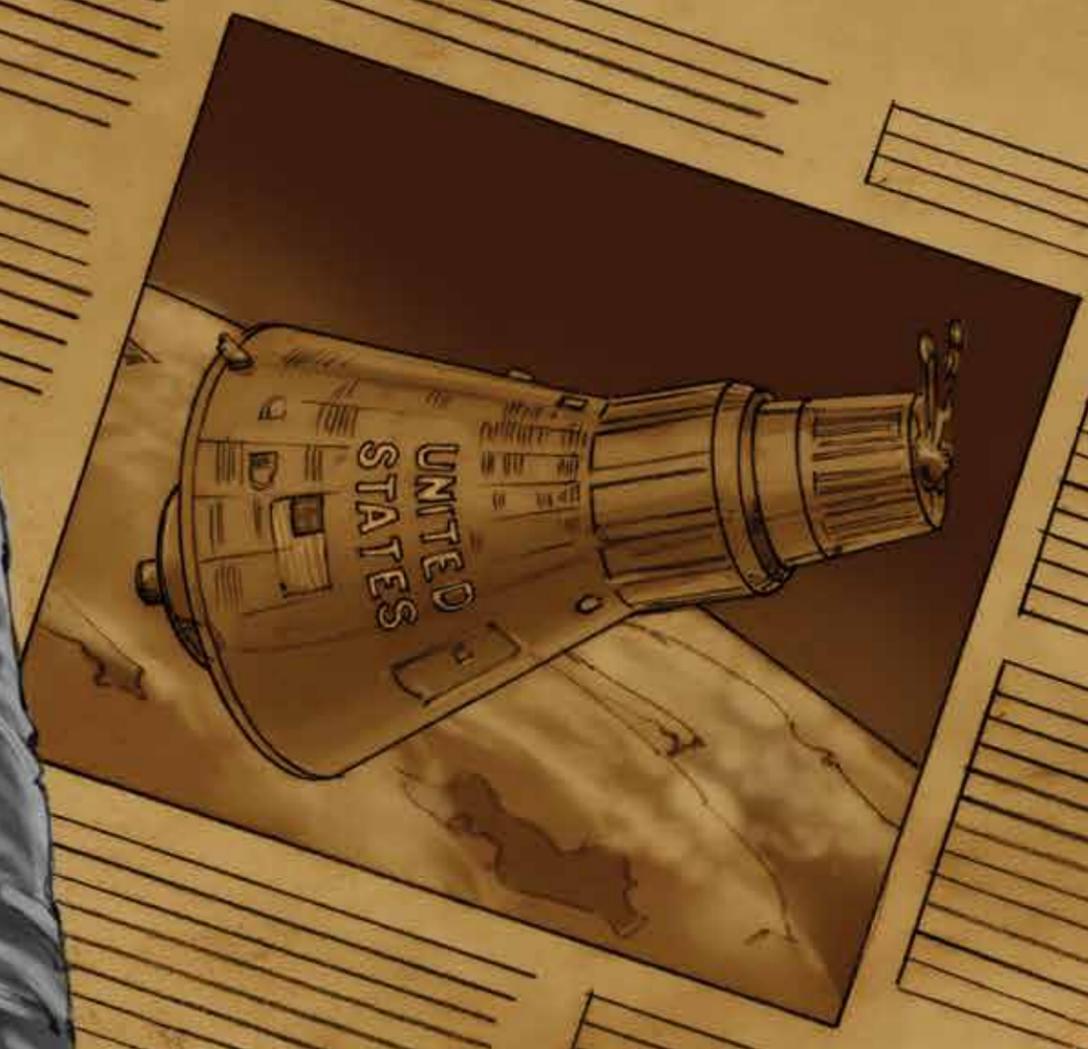


The United States was lagging and needed to increase its speed. So a year later they launched John Glenn into space and cut Russia's lead.



U.S. TIMES

USA Orbits the Earth



Russia was moving fast, but America
was right on its tail.

President John F. Kennedy wanted to
ensure the U.S. would prevail.

In a 1962 speech to the country, JFK
shared a dream that was bold.
He wanted to win the Space Race, but
that's not all, the people were told.



He wanted to be the first country to land a man on the moon, but with Russia holding the lead, work needed to start soon!



All of JFK's moon missions were named Apollo – there were quite a few. Through perseverance and sacrifice, the country's determination grew.

Apollo 1 was the first scheduled space flight, but something went very wrong.

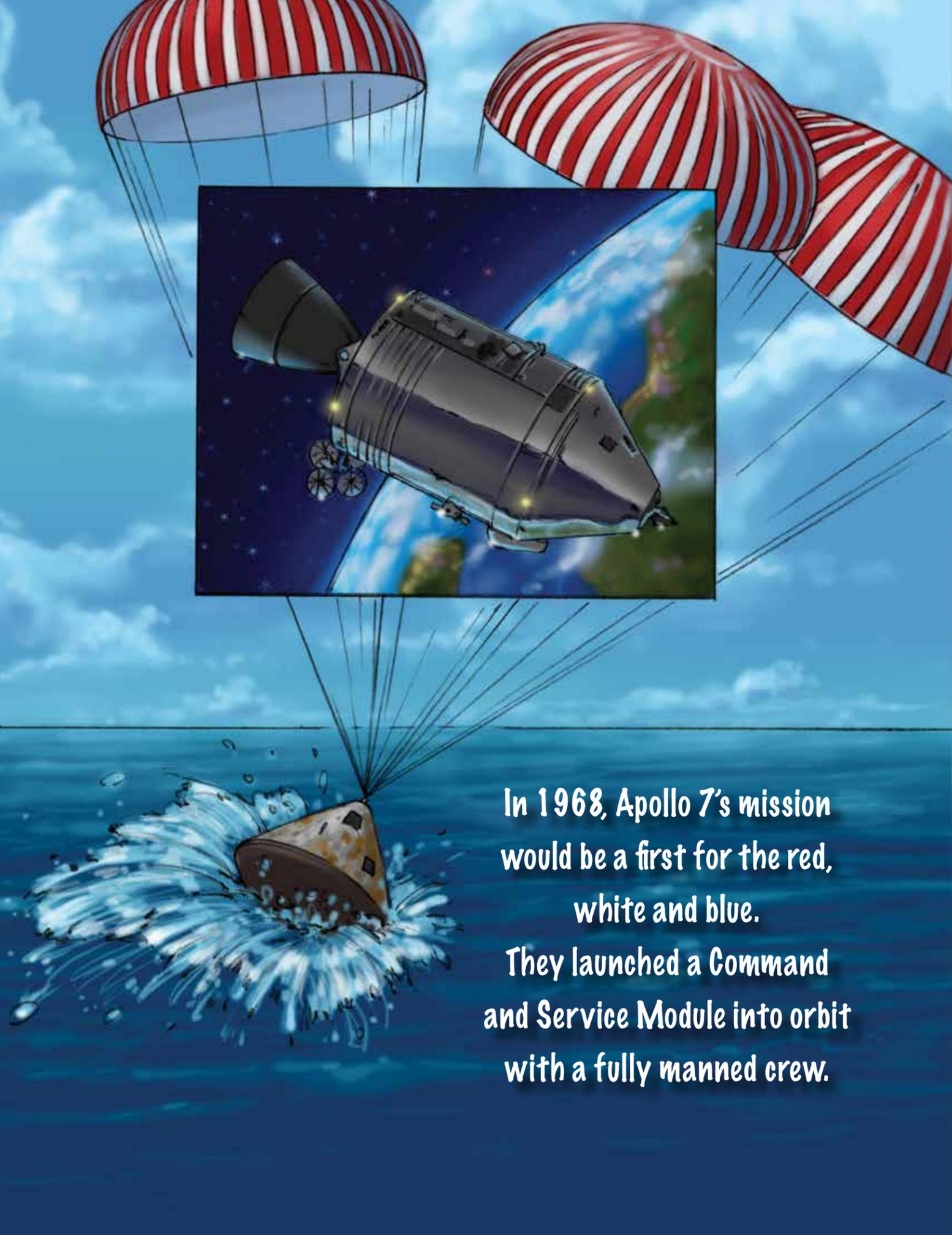
The spacecraft never made it to the launch pad so the mission didn't last long.



The U.S. team got back to work but the next mission would wait.

It was important to get things just right, to avoid Apollo 1's fate.





In 1968, Apollo 7's mission would be a first for the red, white and blue. They launched a Command and Service Module into orbit with a fully manned crew.

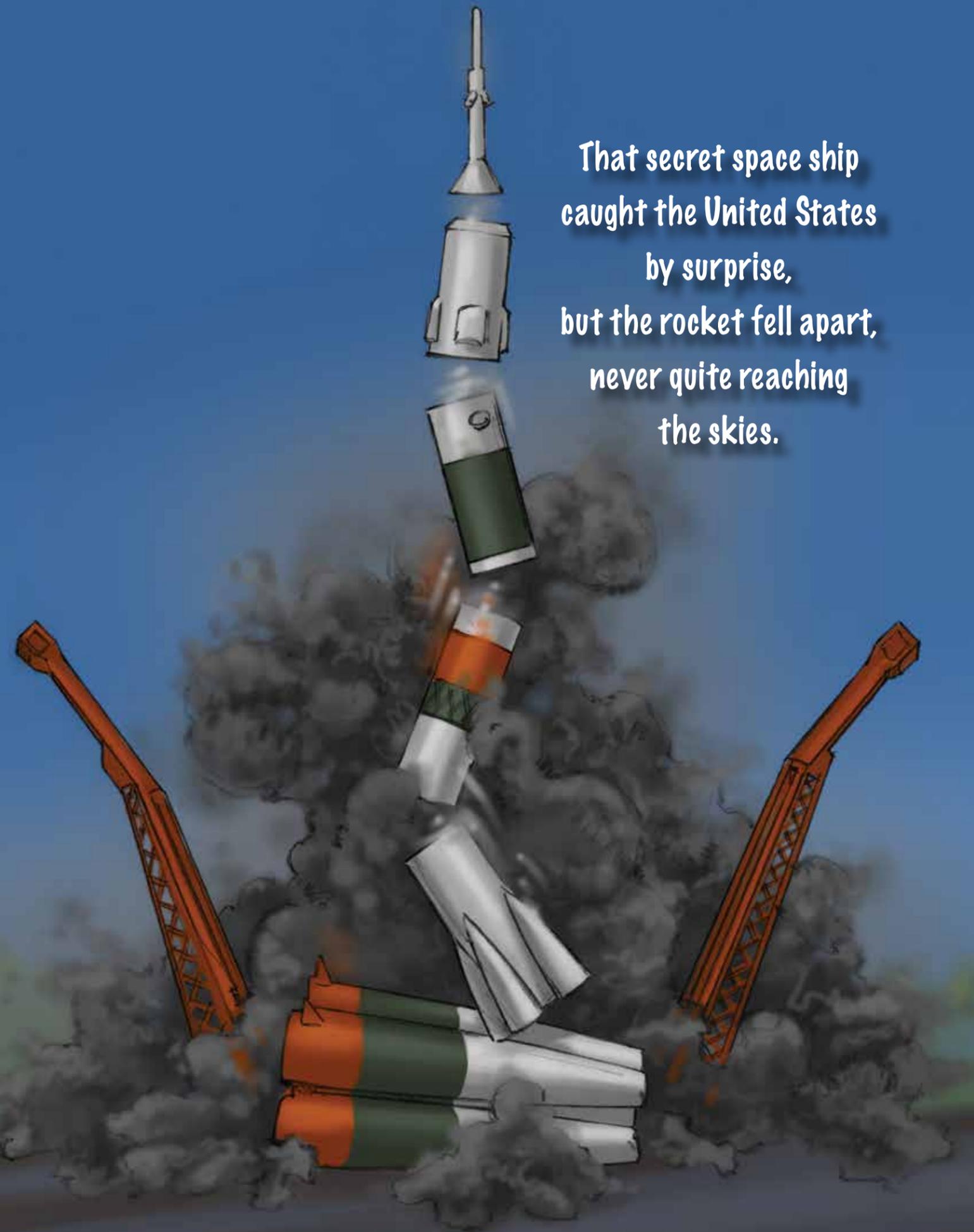
U.S. TIMES 5¢

Soviets Close to Moon Launch



With Apollo 11 planned, the U.S. had the finish line in sight, but a secret rocket sat on Russia's launch pad, ready to take flight!

That secret space ship
caught the United States
by surprise,
but the rocket fell apart,
never quite reaching
the skies.

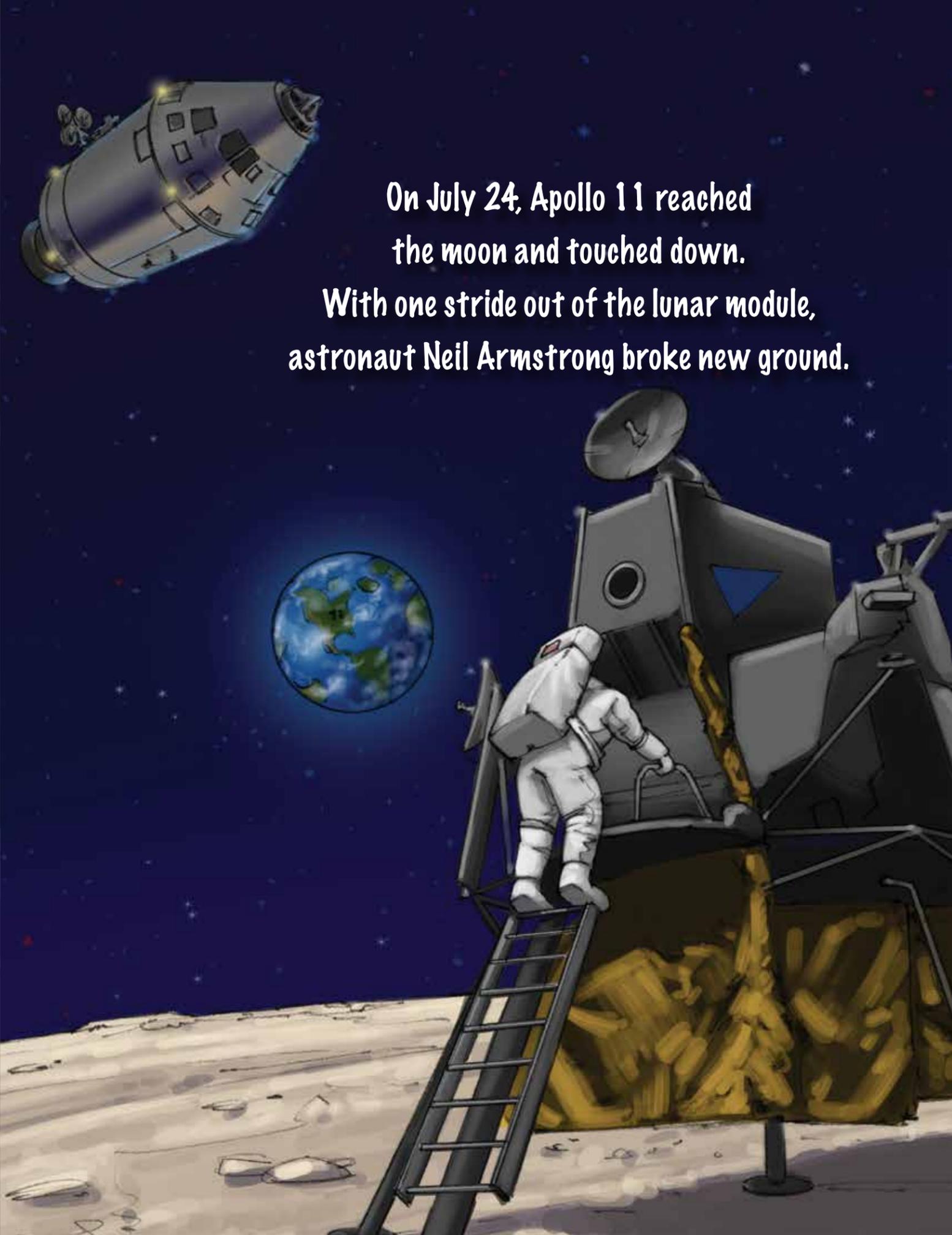


That cleared the way for the U.S. to win once and for all.
...and on July 16, 1969, Apollo 11 answered the call.

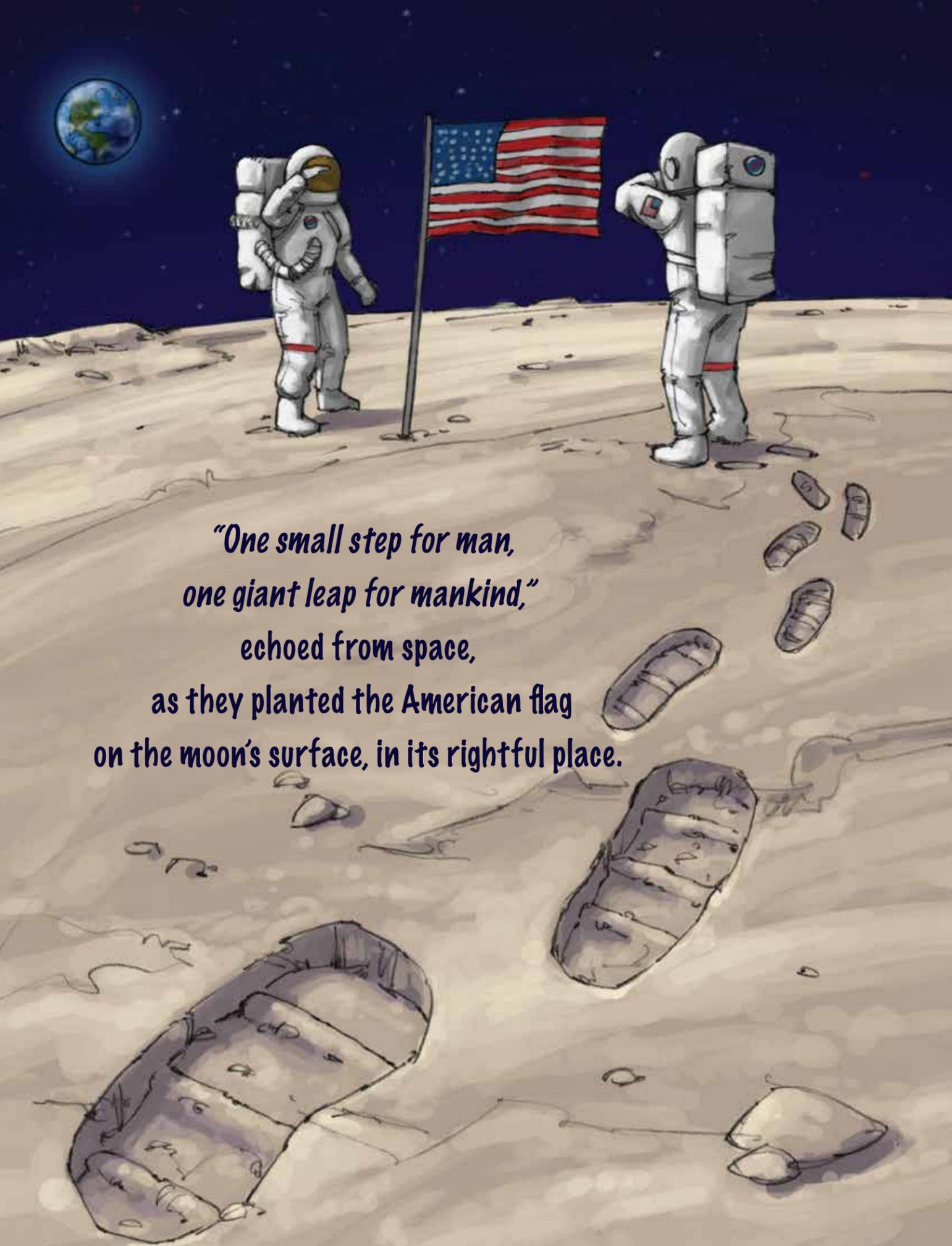




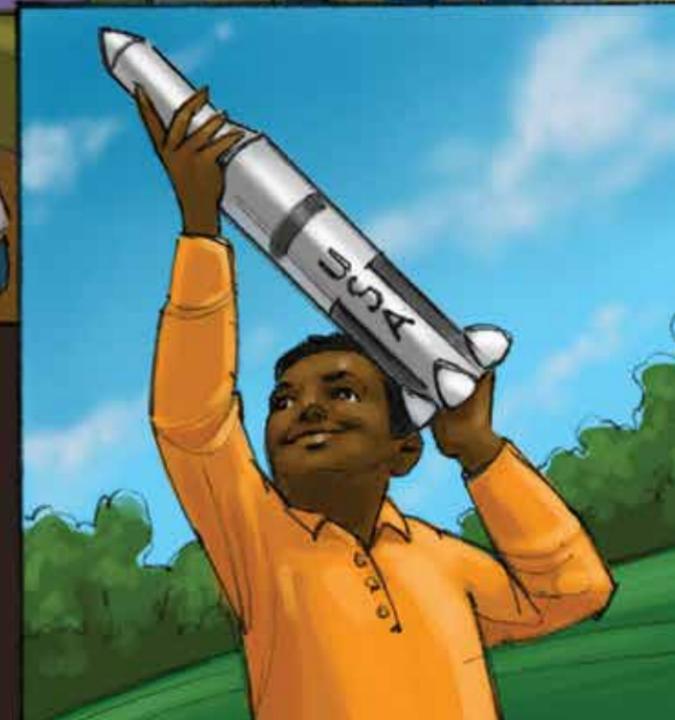
The rocket launched into the sky as people all over the world watched on. The brave astronauts that day were Michael Collins, Buzz Aldrin and Neil Armstrong.



On July 24, Apollo 11 reached the moon and touched down. With one stride out of the lunar module, astronaut Neil Armstrong broke new ground.



*"One small step for man,
one giant leap for mankind,"
echoed from space,
as they planted the American flag
on the moon's surface, in its rightful place.*



**The world was awestruck and
couldn't believe it was true.
The possibilities now seemed endless
for what the U.S. could do.**

In a time of racing with the Russians to see who was number one,
it was the United States making history and having all the fun.



Apollo 17 to Be Final Apollo Mission

Six missions in total were considered a success,
all but Apollo 13 reached the moon,
passing the ultimate test.



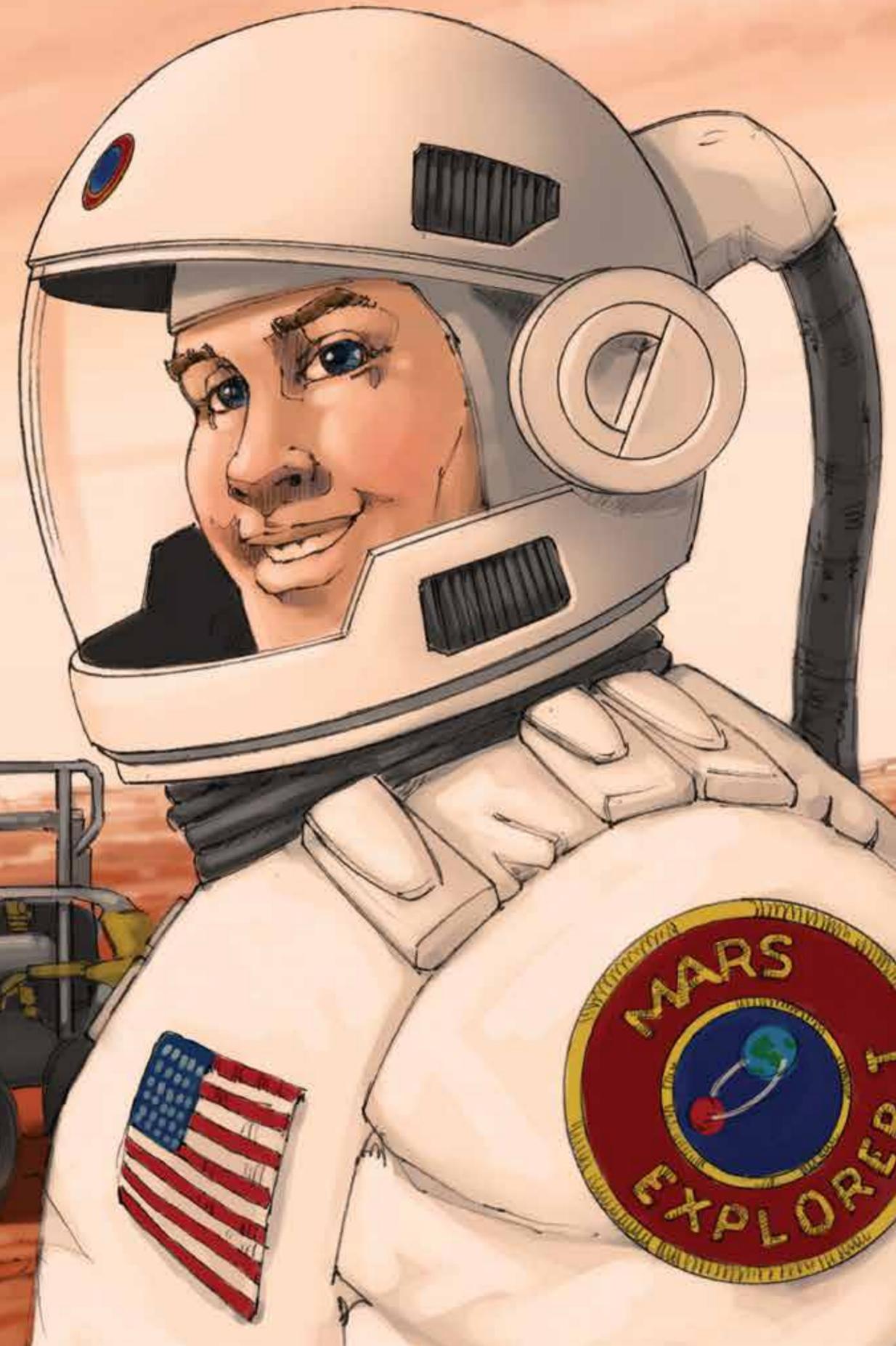
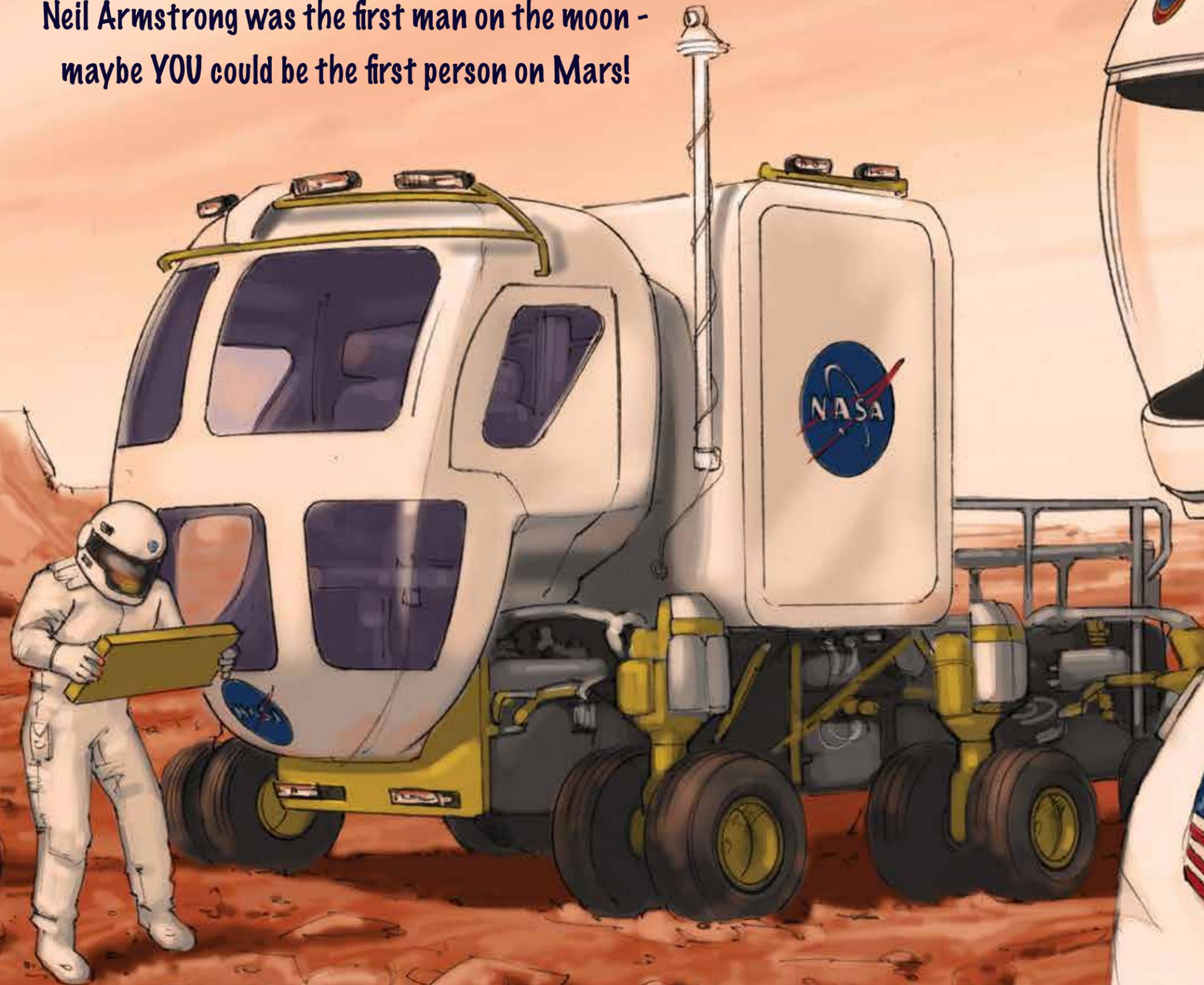
As for the Russians, it wasn't considered a total loss,
but as for putting a man on the moon?
Well, that dream was tossed!

When the Space Race
came to an end, peace
became the new theme,
and as the years went
on, the two countries
worked as a team.

In 1975, the U.S. and Russia conducted a joint mission in space,
their ships docked together and the crews exchanged gifts face to face.



The race to the moon taught everyone
to think big and reach for the stars.
Neil Armstrong was the first man on the moon -
maybe YOU could be the first person on Mars!





DID YOU KNOW?

1. TODAY'S RUSSIA WAS CALLED THE SOVIET UNION DURING THE "SPACE RACE." THE SOVIET UNION OR THE UNION OF SOVIET SOCIALIST REPUBLICS (USSR) WAS FOUNDED IN 1922 AND WAS DISSOLVED IN 1991.
2. NEIL ARMSTRONG EARNED HIS PILOT'S LICENSE BEFORE HE WAS ABLE TO LEGALLY DRIVE.
3. THE SATURN V ROCKET USED FOR THE APOLLO 11 MISSION WAS 363 FEET HIGH, 58 FEET TALLER THAN THE STATUE OF LIBERTY.
4. A TOTAL OF 841.6 POUNDS OF LUNAR ROCKS WERE BROUGHT BACK FROM SIX APOLLO FLIGHTS. THE APOLLO PROGRAM COST 24 BILLION DOLLARS. THAT'S APPROXIMATELY \$28,500 PER POUND!
5. THE APOLLO COMPUTER HAD LESS COMPUTING POWER THAN AN EARLY CELL PHONE.
6. THE MOON IS, ON AVERAGE, 239,000 MILES FROM EARTH.
7. NEIL ARMSTRONG AND BUZZ ALDRIN HAD TO REMEMBER TO LEAVE THE DOOR TO THE LUNAR MODULE LANDER SLIGHTLY AJAR BECAUSE IT HAD NO OUTSIDE DOOR HANDLE.
8. THE WALLS OF THE LUNAR MODULE'S ASTRONAUT COMPARTMENT WERE THINNER THAN THREE LAYERS OF ALUMINUM FOIL.
9. NEIL ARMSTRONG AND BUZZ ALDRIN LEFT ONE OF RUSSIAN COSMONAUT, YURI GAGARIN'S MEDALS ON THE MOON TO PAY TRIBUTE TO HIS ACCOMPLISHMENT AS THE FIRST MAN IN SPACE.
10. THE UNMANNED SOVIET PROBE, LUNA 15, CRASHED INTO THE MOON'S SURFACE WHILE NEIL ARMSTRONG AND BUZZ ALDRIN WERE STILL ON IT. THE TWO SPACE CRAFTS WERE A LITTLE OVER 740 MILES APART.
11. BUZZ ALDRIN CLAIMED TRAVEL EXPENSES FOR HIS TRIP TO THE MOON, TOTALLING \$33.31.

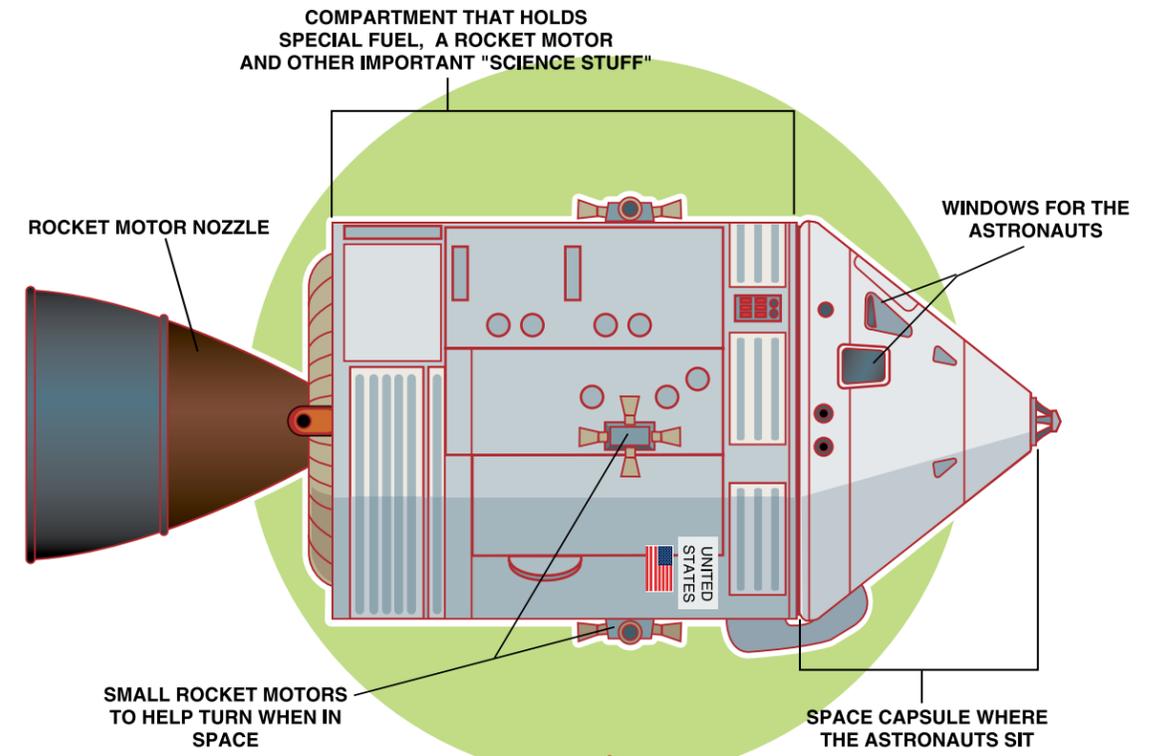
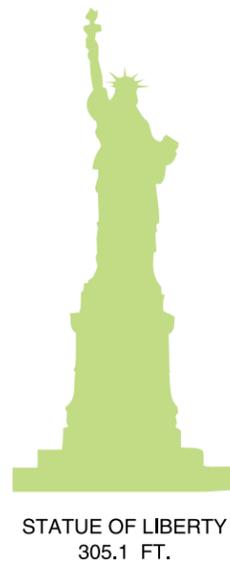
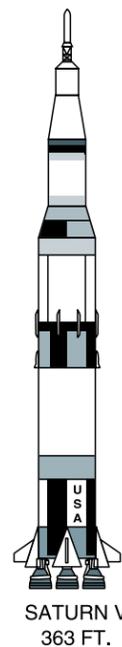
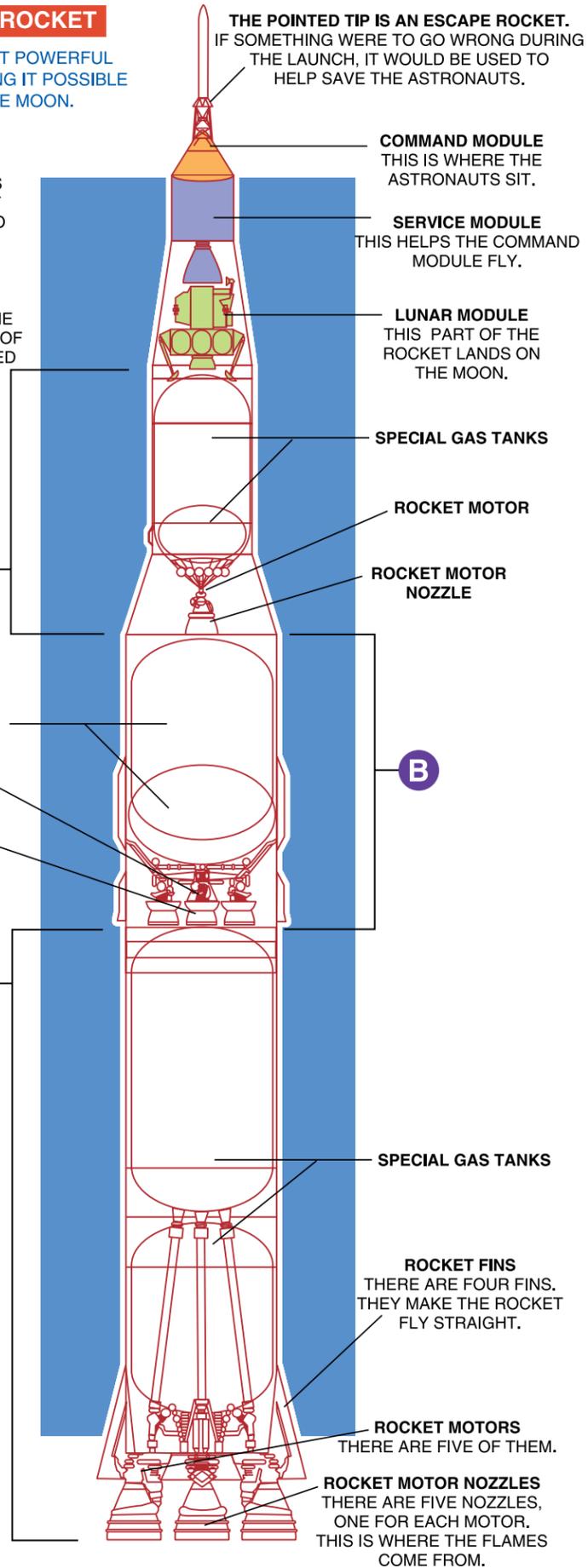
APOLLO SATURN 5 ROCKET

ONE OF THE LARGEST, MOST POWERFUL ROCKETS EVER BUILT - MAKING IT POSSIBLE FOR MAN TO REACH THE MOON.

A **STAGE 1:** THIS PART OF THE ROCKET IS THE LARGEST. IT HAS FIVE GIANT ROCKET MOTORS AND HUGE GAS TANKS THAT LIFT THE ROCKET FROM THE GROUND INTO SPACE. IT IS MADE TO FALL OFF WHEN IT RUNS OUT OF FUEL.

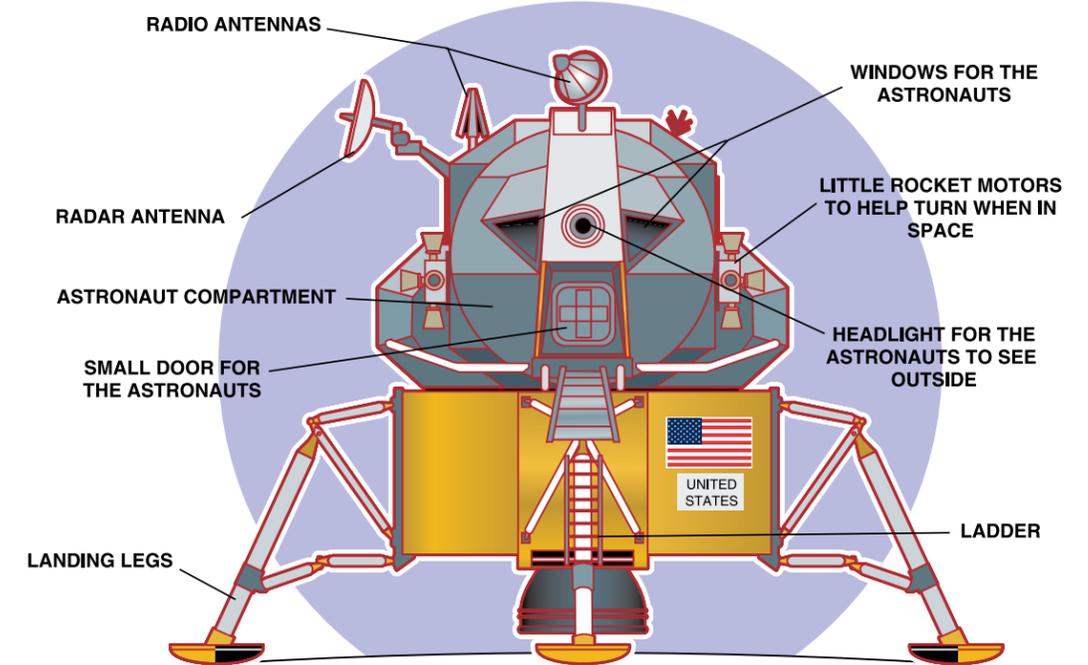
B **STAGE 2:** THIS PART OF THE ROCKET TAKES OVER AFTER THE FIRST STAGE FALLS AWAY, CONTINUING TO PUSH THE ROCKET TOWARD THE MOON. IT ALSO FALLS AWAY AFTER IT RUNS OUT OF FUEL. BY THIS STAGE, THE ROCKET HAS REACHED A SPEED OF OVER 17,000 MILES PER HOUR.

C **STAGE 3:** THIS PART OF THE ROCKET CONTINUES TO PUSH THE ROCKET EVEN CLOSER TO THE MOON. JUST LIKE THE OTHER TWO STAGES, IT TOO IS MADE TO BREAK AWAY LEAVING THE ASTRONAUTS WITH THE SERVICE COMMAND MODULE AND THE LUNAR MODULE TO CARRY ON THE MISSION.



APOLLO COMMAND SERVICE MODULE

THIS IS THE VEHICLE THAT BRINGS THE ASTRONAUTS BACK TO EARTH.



APOLLO LUNAR (MOON) MODULE

THIS IS THE VEHICLE THAT LANDED ON THE MOON.

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It is our mission to promote children's literacy nationwide. Through our books, we hope to inspire a lifelong love of reading by touching the hearts of children and adults alike.

From the Author



Growing up, I was all about sports - football, soccer, baseball, you name it. If it wasn't sports related, I wasn't interested. My love for sports is a passion that has shaped my entire life. I am fortunate to play soccer for a living, but it's bigger than that. My most cherished childhood memories are

centered around watching a big game; my relationship with my wife sparked by a mutual love for Penn State football, and my passion for Tampa Bay sports keeps me close to home, even though we've moved all over the country. I owe so much of my life to sports.

The idea to tell these stories came about after the birth of my daughter, Remy. I wanted to create a vehicle that I could share my love of sports with her, in a way that would hopefully build a bond we'd share forever. Reading together provides a way for parents and their children to share in special moments, but I want these stories to do even more. I want to reach the kids like me, the ones more likely to grab a ball than a book. It is so important for a growing mind to fall in love with reading and I hope these stories can bridge a love for sports with a newfound passion for reading.

— Jeff Attinella

About the Illustrator

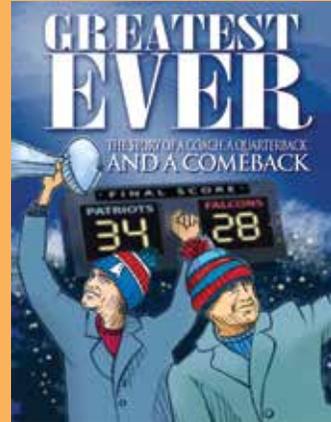
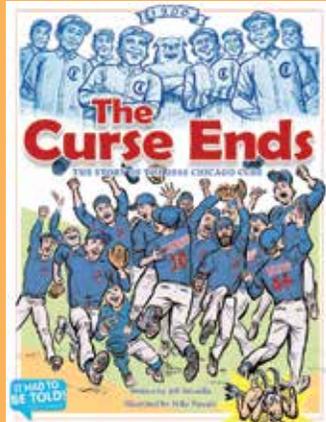
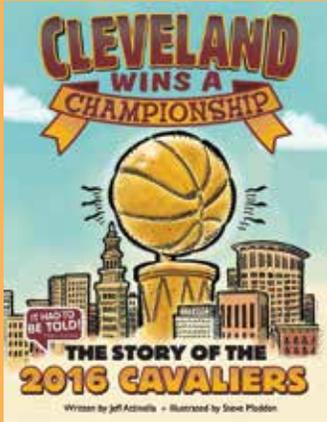


David Capalungan (davidcapalungan.com) is an illustrator and fine artist. After studying at Center for Creative Studies, David has worked for many national and international advertising agencies and has created illustrations for diverse clients including Ford, the Detroit Red Wings, Bacardi and the U.S. Treasury. His

fine art paintings hang in homes and businesses across the country. David and his family live in suburban Detroit where he cheers for University of Michigan football, makes awesome BBQ and has a small zoo including turtles Sam and Manilla.

Working on the Space Race book was an absolute joy for me. Fond memories of playing astronaut and space alien as a child, great movies and learning about the race to space in school came flooding back. My favorite, though, had to be the reminder of reading to my kids when they were young. Having that one on one quality time together as they learned to follow the words with their fingers, working on pronouncing some tougher words and studying the illustrations for hidden mice is priceless to me. I'll cherish our reading times forever.

— David Capalungan



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