


Title: Rocketeers: How a Visionary Band of Business Leaders, Engineers, and Pilots is Boldly Privatizing Space

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Abstract: In the 'second space age', human spaceflight is no longer the domain of governments. Dream-chasing entrepreneurs and clever engineers are aggressively blazing new trails into the heavens and preparing the world for an era of space tourism, ultra fast point-to-point earth travel and even orbiting hotels. Having gained inside access into the top private space programs, science journalist Michael Belfiore will share his many insights on the history-making flights, the failures and fatalities, as well as the enduring passion and dreams of the real estate tycoons, dot-com billionaires, a video game programmer and other business mavericks for whom the sky is no longer the limit. They are fueling the highest-flying private rockets ever built, testing "vertical dragsters", and preparing to launch an inflatable space station - with the mock-up already in earth orbit. Can your ticket to ride be that far behind? <kw>space travel, human spaceflight, second space age, private space program, space tourism, orbiting hotel, entrepreneur, engineer, Rocketeers </kw>

PERIMETER  INSTITUTE FOR THEORETICAL PHYSICS

February 6, 2008

**Rocketeers:
How a Visionary Band of Business Leaders,
Engineers, and Pilots is Boldly Privatizing Space**







February 6, 2008

Michael Belfiore

Science Journalist and Author





Rocketeers

The Dawn of Commercial Spaceflight

Michael Belfiore

Perimeter Institute for Theoretical Physics

6 February, 2008

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Space 1.0



**Wernher von Braun
Redstone Arsenal**



Huntsville, Alabama: Rocket City



Sputnik

October 4, 1957





X-15 in Flight. Air Force Photo. Date Unknown







Dryden Flight Research Center E60-6286 Photographed 1960



Saturn V: the moon rocket



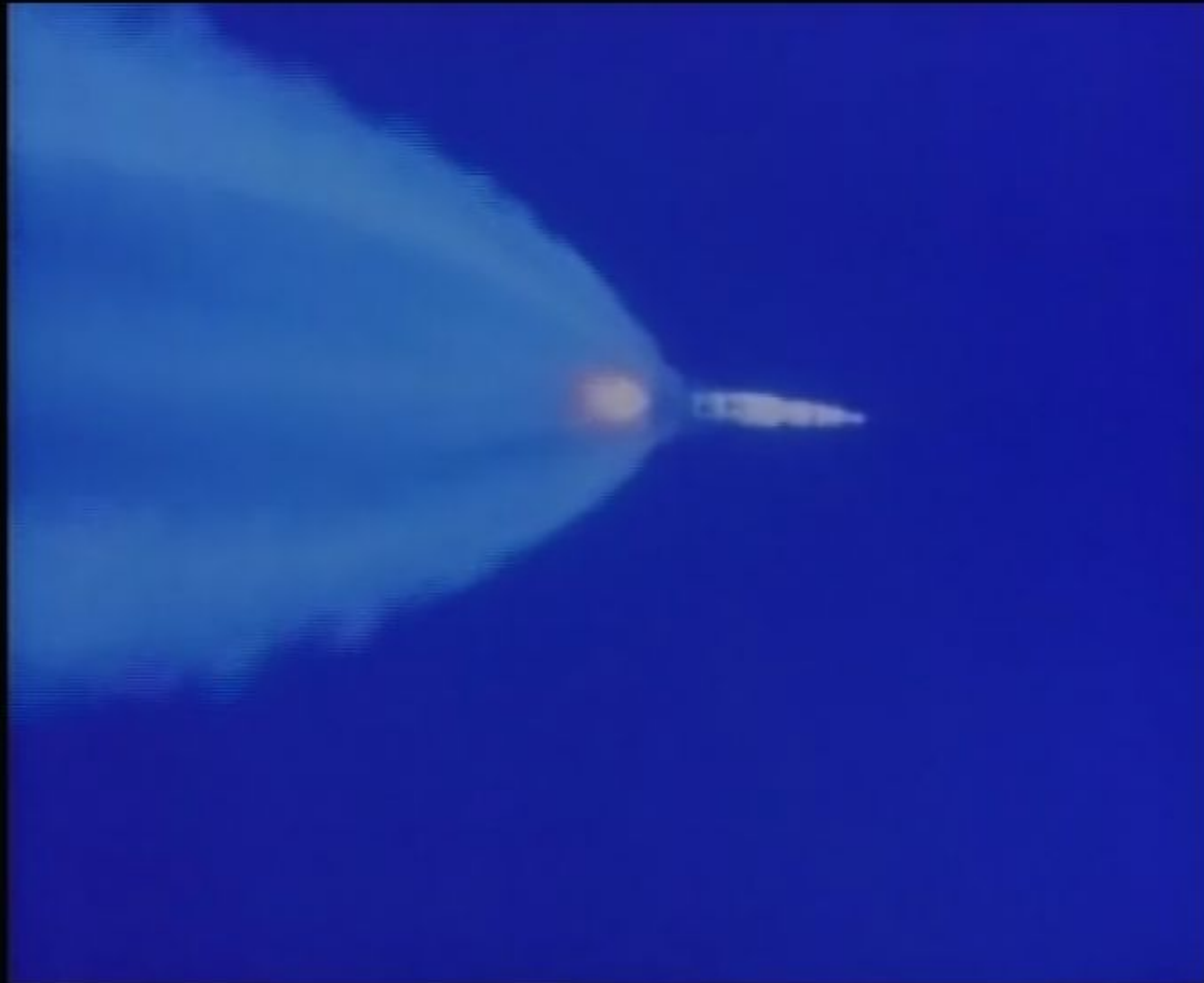
Saturn V: the moon rocket



Saturn V: the moon rocket



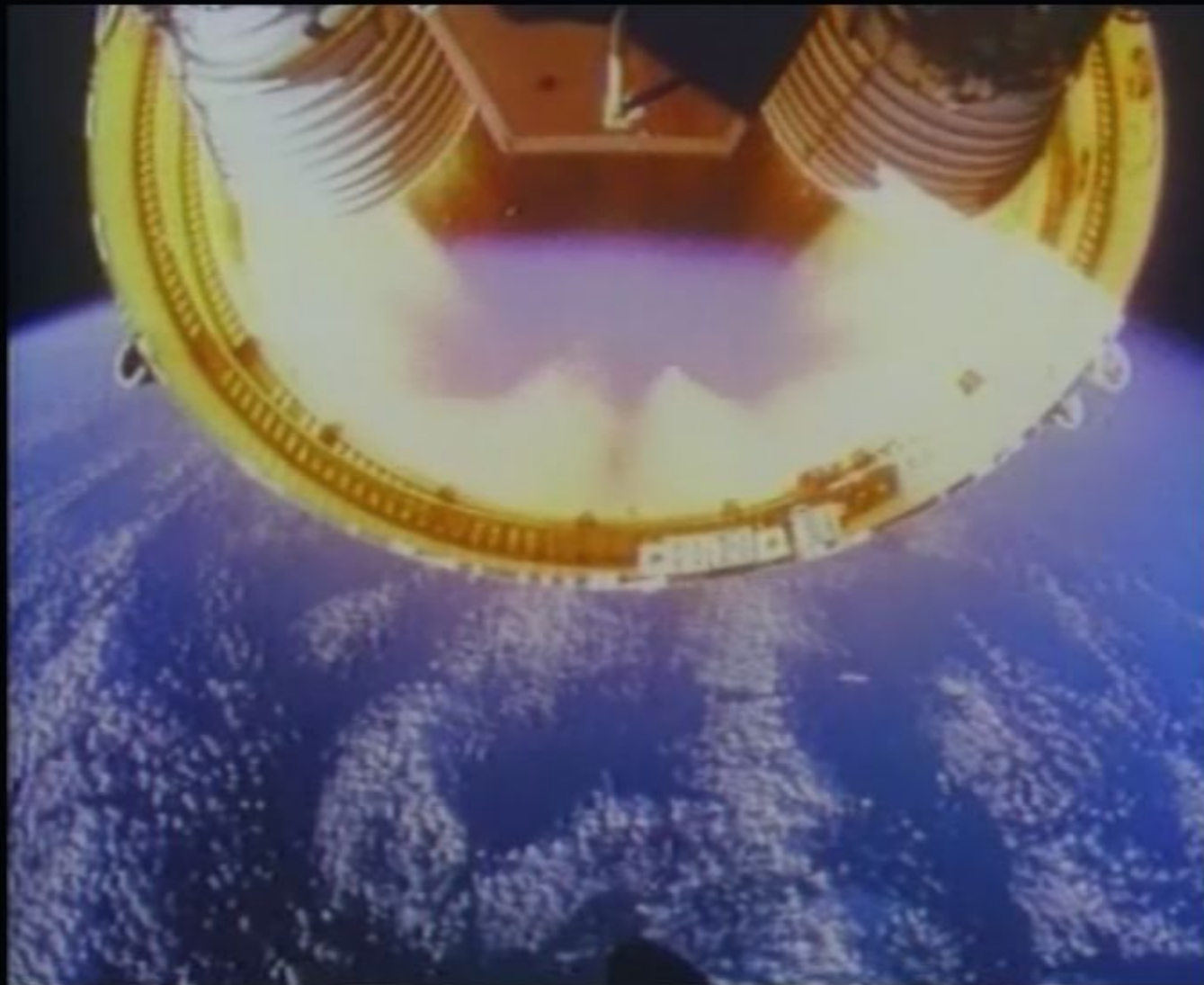
Saturn V: the moon rocket



Saturn V: the moon rocket



Saturn V: the moon rocket



Saturn V: the moon rocket

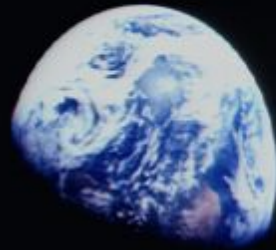


Saturn V: the moon rocket



Saturn V: the moon rocket

Earthrise, 1968



Space 2.0

The X PRIZE

**\$10 million to
the first team to:**

- Send 3 people into space
- Bring them back safely
- Do it again within 2 weeks





**Peter Diamandis, X PRIZE founder (right)
John Carmack, Armadillo Aerospace (left)**



Tim Pickens



Brian Feeney

XF1



DreamSpace™ enters the Space Tourism Market through
a Technology Partnership with the da Vinci Project







Terry Wong, Markham, ON



SpaceShipOne & White Knight





















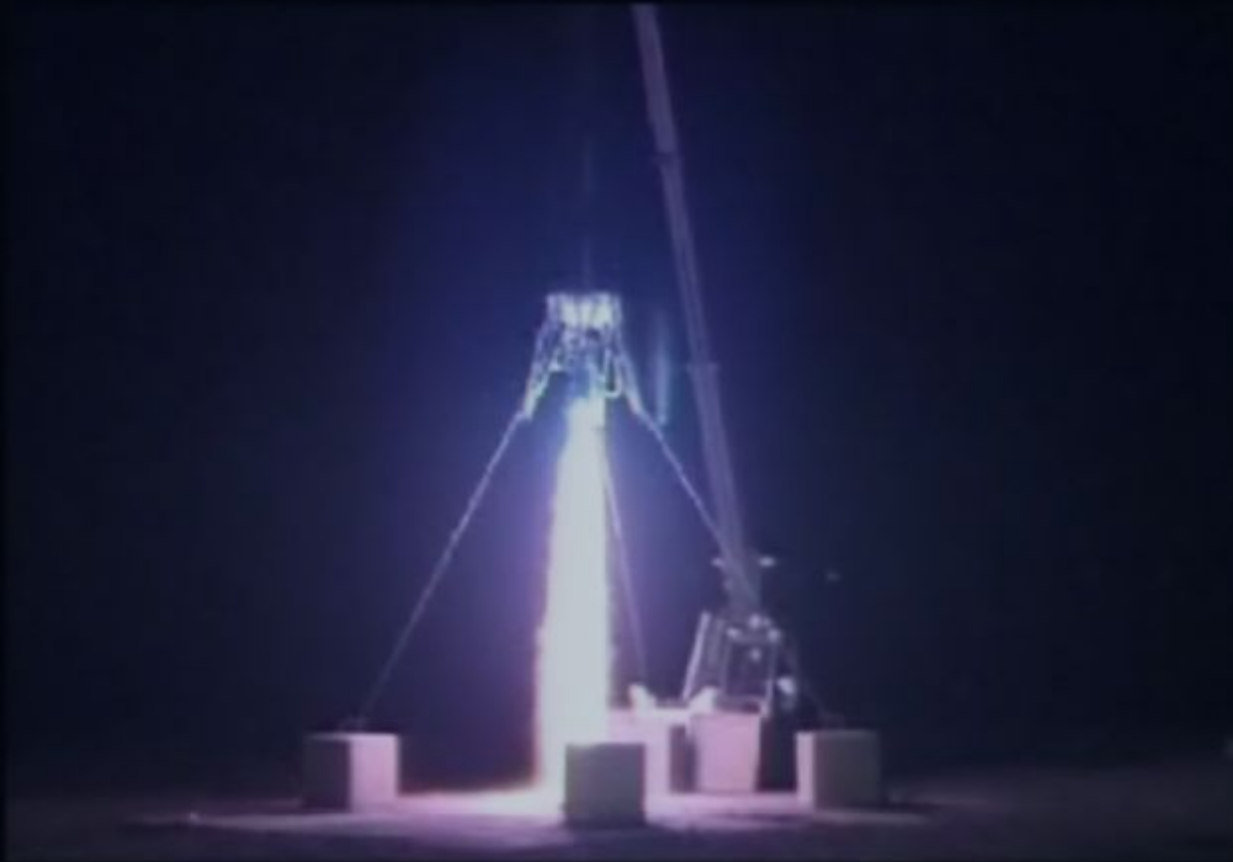
October 4, 2004



Armadillo Aerospace



Armadillo Aerospace



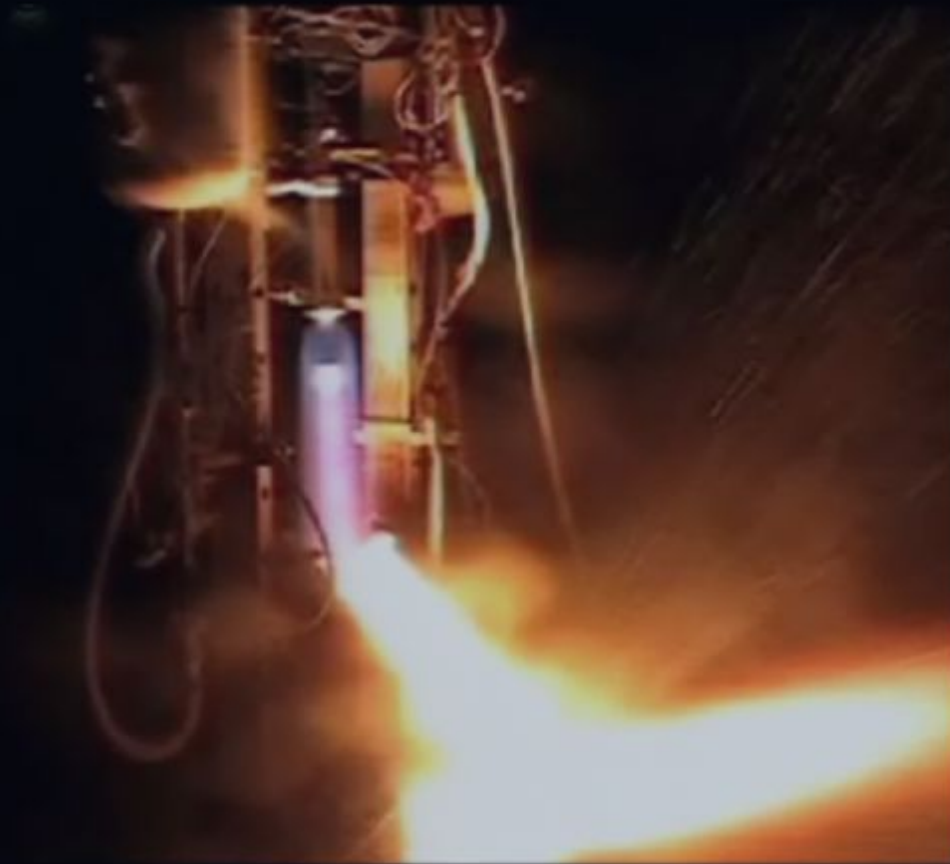
Armadillo Aerospace



Armadillo Aerospace



Armadillo Aerospace



Armadillo Aerospace



Armadillo Aerospace



XCOR Aerospace



XCOR Aerospace



XCOR Aerospace



XCOR Aerospace



XCOR Aerospace



XCOR Aerospace





XCOR's E-Z Rocket



69 **Rick Searfoss**





















Blue Origin



Blue Origin



Blue Origin



Blue Origin



Blue Origin



Blue Origin

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Blue Origin



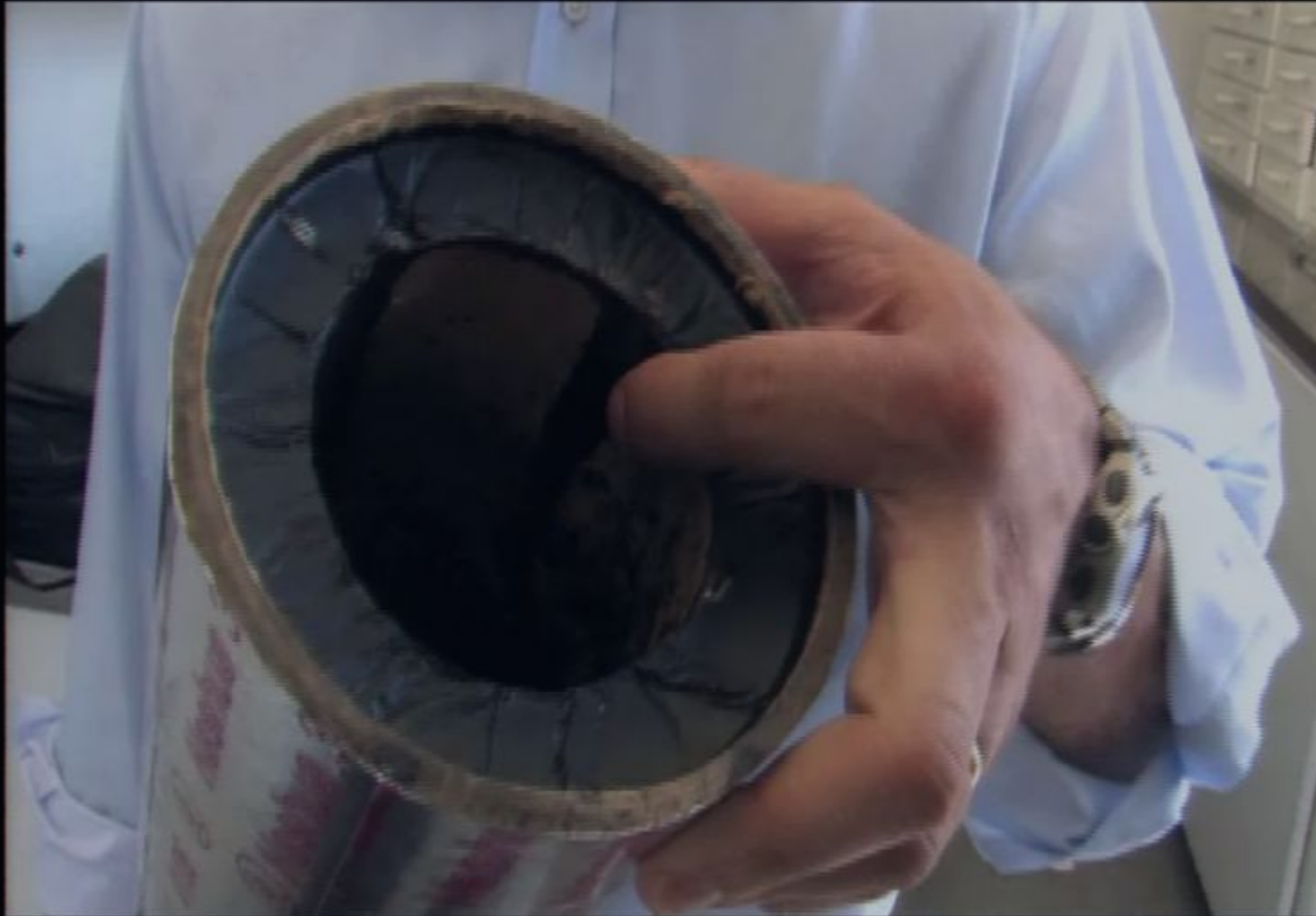
Blue Origin



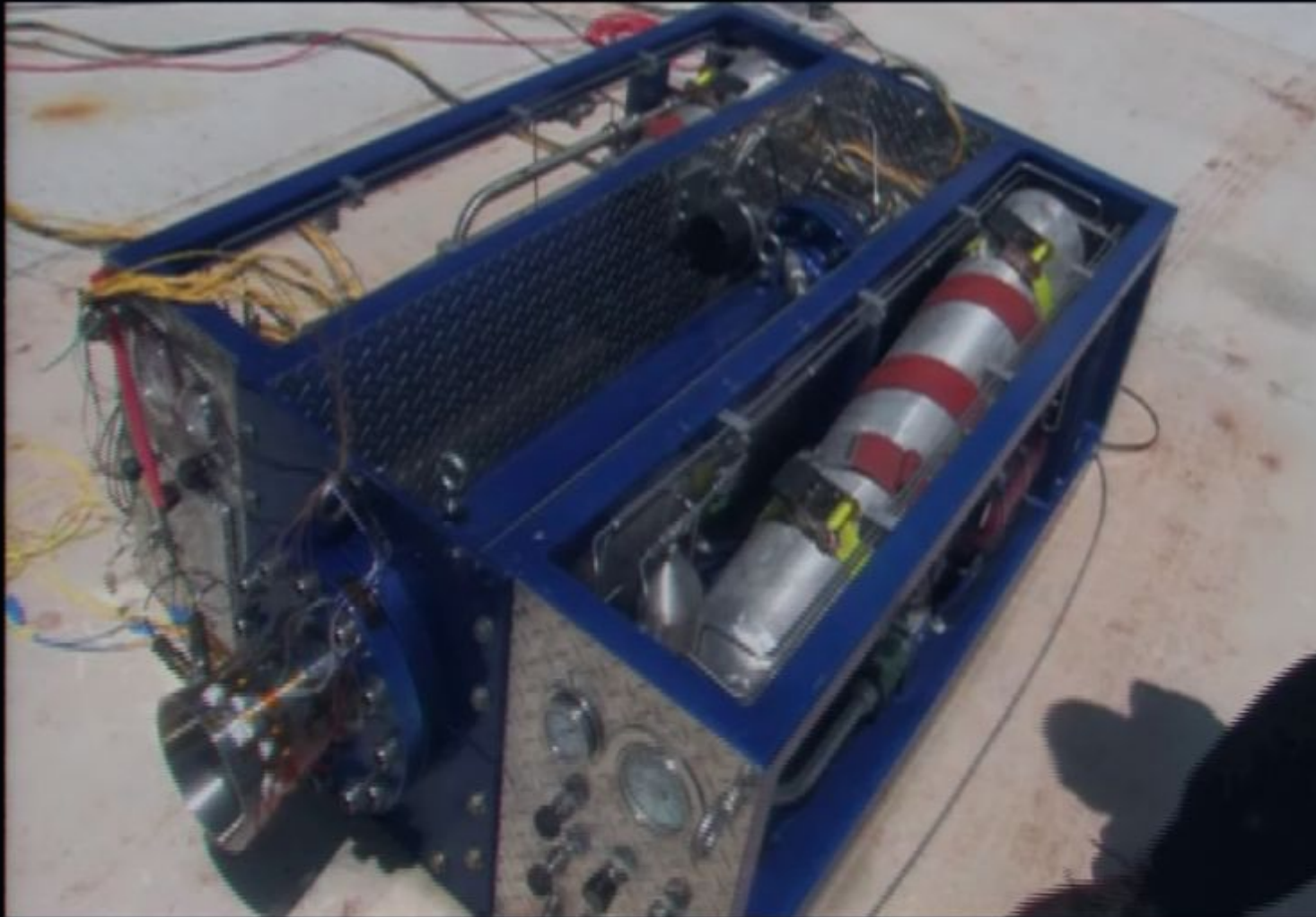
Tim Pickens, Orion Propulsion



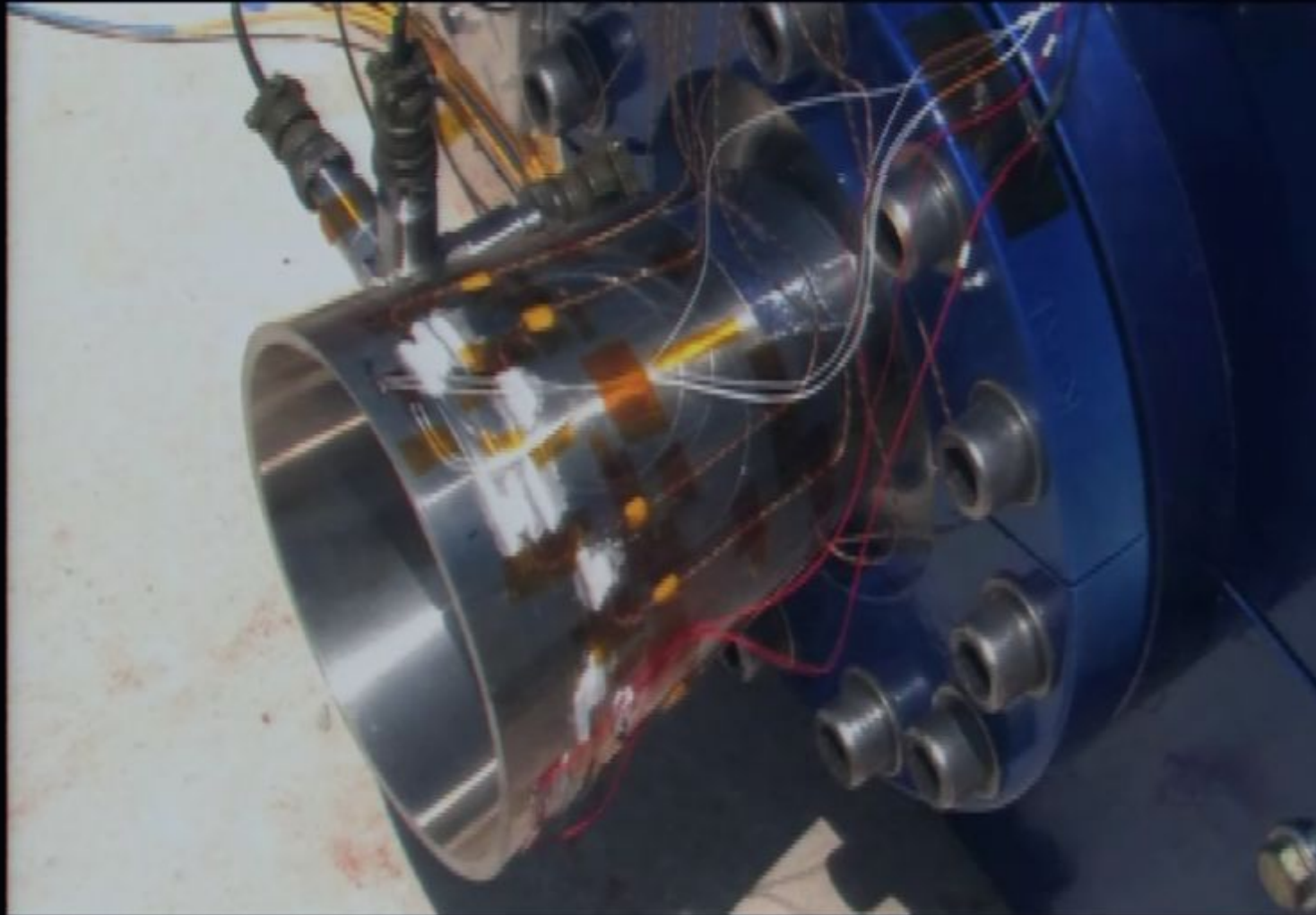
Tim Pickens, Orion Propulsion



Tim Pickens, Orion Propulsion



Tim Pickens, Orion Propulsion



Tim Pickens, Orion Propulsion



Tim Pickens, Orion Propulsion

Four Second Burn

Tim Pickens, Orion Propulsion



Tim Pickens, Orion Propulsion



Tim Pickens, Orion Propulsion



Tim Pickens, Orion Propulsion



STRIKING BACK AT IP PIRATES

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Inc.

HOW TO
PULL OFF A
FOOLPROOF
ROAD
SHOW

Entrepreneur of the Year Elon Musk

Co-founded
PayPal.
Building
the coolest
car ever.
Ready to
colonize
Mars.



"Really breaking news!"
Elon Musk is the brains
behind Tesla Motors,
SolarCity, and SpaceX.



Blogger of the Year
Marc Andreessen

Wonderboy of the Year
Mark Zuckerberg

December 2007
\$4.99 US \$5.99 Canada



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Space Exploration Technologies (SpaceX)



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Space Exploration Technologies (SpaceX)

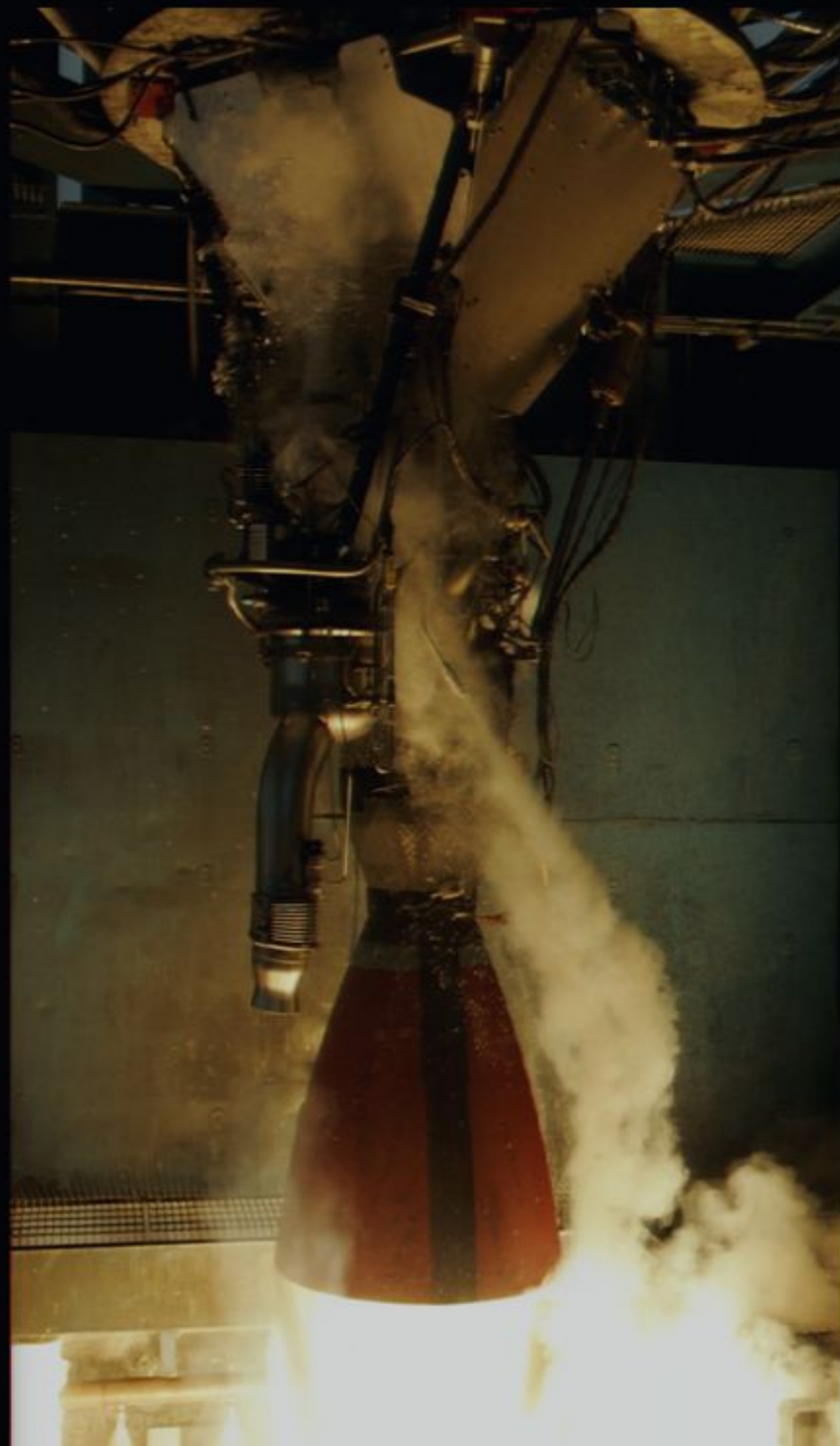


Space Exploration Technologies (SpaceX)



Space Exploration Technologies (SpaceX)









Robert Rinehart

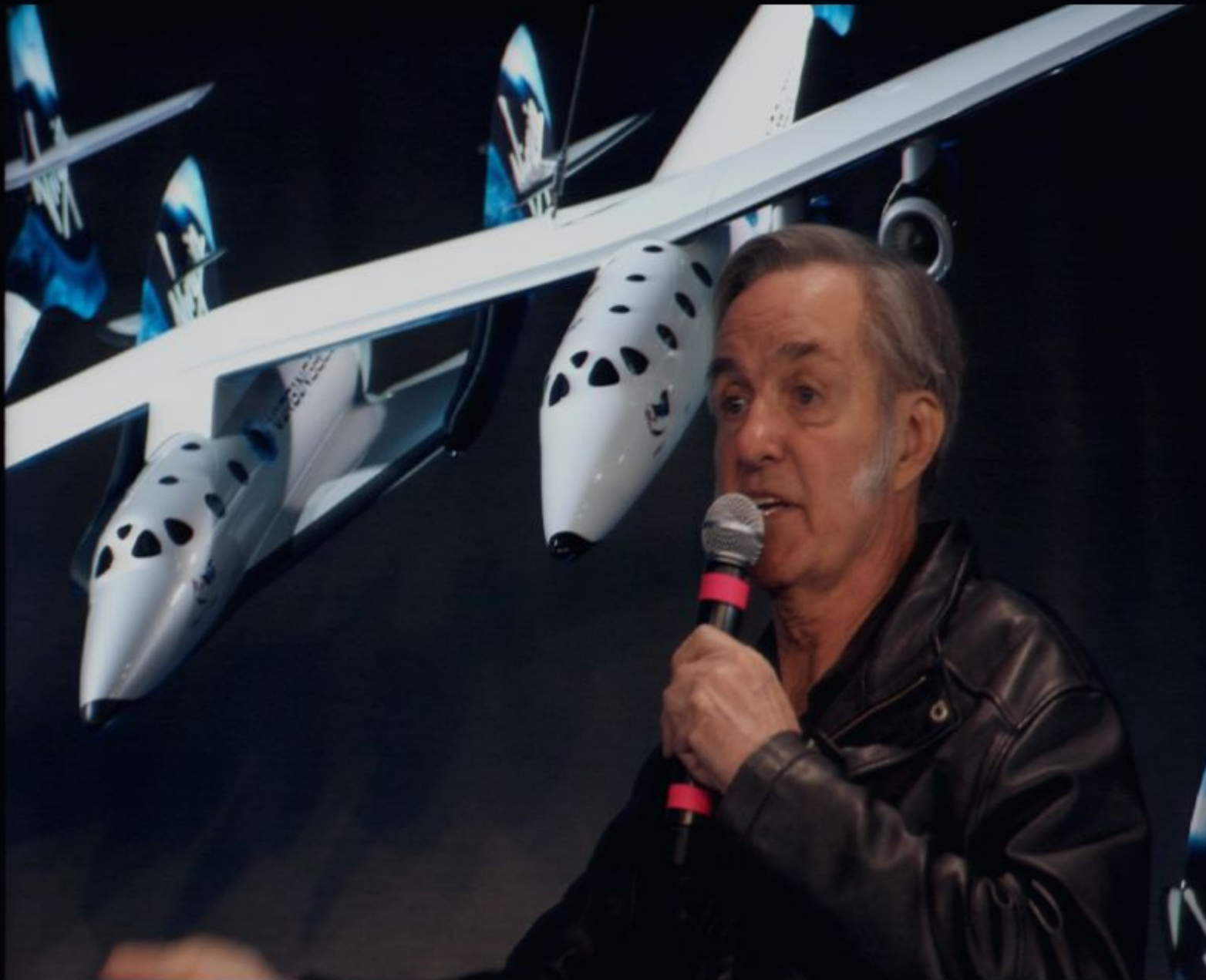


Bigelow Aerospace



Bigelow Aerospace





Burt Rutan



Richard Branson (left)
Alan Watts, frequent flyer to space (right)

















































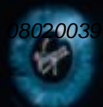




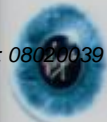








08020039



GALACTIC

EVE BRANSON : GALACTIC GIRL
DESIGNED BY SKY26 FOR VIRGIN GALACTIC

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