



# **NEXT-GEN SUBORBITAL RESEARCH & EDUCATION: A BONANZA AT 100 KM**

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# RESEARCH & EDUCATION MISSIONS (REM)





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# REM IS NEXT-GEN SUBORBITAL'S STRONGEST APP

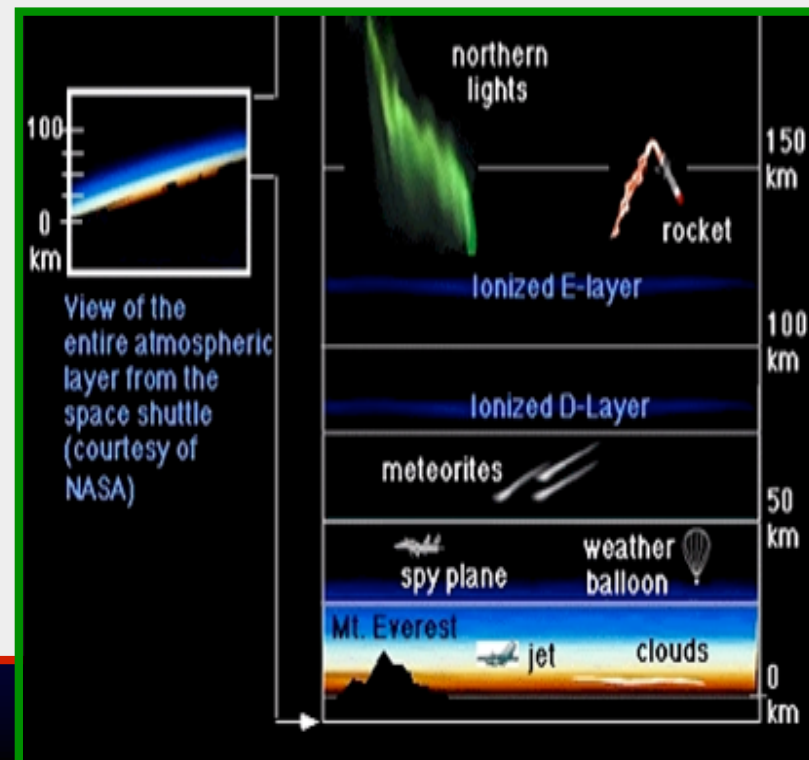
- A few hundred tourists have paid \$200K to fly suborbitally.
- But \$200K is inexpensive for government and industry research programs.
- And there are over 190 nations on Earth; virtually all can afford space research/education programs at these prices.
- And unlike tourists who buy 1 or 2 tickets, research programs buy dozens to hundreds, and then come back for more.
- The estimated REM market over 5 years is 1000s of seats.



# ATTRACTIVE FEATURES OF NEXT-GEN SUBORBITAL FLIGHT

## Frequent Access to Space at Low Cost That Offer

- 10x the  $\mu$ G time of zero-G aircraft & 100x cleaner  $\mu$ G.
- Direct access to the “ignorosphere.”
- And hundreds of flights & thousands of seats flown each year.



# ATTRACTIVE FEATURES OF NEXT-GEN SUBORBITAL FLIGHT

## Flexible Operations

- With worldwide launch basing.
- With the ability to launch at specific times.
- And with rapid access to samples, test subjects, etc.





# ATTRACTIVE FEATURES OF NEXT-GEN SUBORBITAL FLIGHT

## Fewer Constraints On, and Gentler Rides for Payloads That

- Can fly off the shelf laboratory equipment.
- Encourages rapid, low-paperwork flight integration processes.
- And can fly research payloads.



# THESE ATTRIBUTES CREATE STRONG REM APPLICATIONS

- In Atmospheric Science
- In Life Sciences
- In Earth Science & Oceanography
- In Space Physics
- In Astronomy & Solar Physics
- In Instrument Test & Demonstration
- In Microgravity R&D
- In Education, for Training, & for Public Outreach







Library of Congress (UPI photo)



# What Does Next-Gen Suborbital Hold For Your Work?

Four minutes  
of microgravity.

Repeated  
chances  
to experiment.

And **YOU**  
can be  
the Payload  
Specialist  
in flight.

**WHAT WOULD  
YOU DO?**

**NEXT  
GENERATION  
SUBORBITAL  
RESEARCHERS  
CONFERENCE**



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# It's Up To You

Four minutes  
of microgravity.

Repeated  
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to experiment.

And **YOU**  
can be  
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**WHAT WOULD  
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