



1

00:00:00,210 --> 00:00:04,490

I would like to introduce and welcome professor
Hawking and Lucy.

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00:00:04,490 --> 00:00:08,300

Thank you all so much.

3

00:00:08,300 --> 00:00:37,420

[APPLAUSE]

4

00:00:37,420 --> 00:00:46,880

Can you hear me?

5

00:00:46,880 --> 00:00:50,129

Why should we go into space?

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00:00:50,129 --> 00:00:54,800

What is the justification for
spending all that effort and money on getting

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00:00:54,800 --> 00:00:57,449

of few lumps of moon rock.

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00:00:57,449 --> 00:01:03,109

Aren't
there better causes here on earth?

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00:01:03,109 --> 00:01:08,689

We thought this was worth a big effort in
the sixties.

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00:01:08,689 --> 00:01:13,920

In 1962 President Kennedy permitted the U.S.
to landing a man on

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00:01:13,920 --> 00:01:21,070

the moon by the end of the decade.

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00:01:21,070 --> 00:01:28,090

This was achieved just in time by the Apollo 11 mission in 1969.

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00:01:28,090 --> 00:01:31,670

The space race helped to create a fascination with science

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00:01:31,670 --> 00:01:37,170

and let a great advances in technology including the first large-scale

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00:01:37,170 --> 00:01:42,920

integrated circuits which are the basis of all modern computers.

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00:01:42,920 --> 00:01:51,619

A new interest in space would also increase the public standing of science generally.

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00:01:51,619 --> 00:01:55,920

The low esteem in which science and scientists are held is having

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00:01:55,920 --> 00:01:58,000

serious consequences.

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00:01:58,000 --> 00:02:02,979

We live in a society that is increasingly governed by science

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00:02:02,979 --> 00:02:11,410

and technology yet fewer and fewer young people want to go into science.

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00:02:11,410 --> 00:02:16,910

Professor Stephen Hawking is arguably our greatest living cosmologists.

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00:02:16,910 --> 00:02:22,120

Struck down in his 20s by a progressive motor neuron disease, he is entirely

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00:02:22,120 --> 00:02:26,640
paralyzed and can only communicate using a speech synthesizer...but

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00:02:26,640 --> 00:02:31,390
when Professor Hawking speaks, NASA listens.

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00:02:31,390 --> 00:02:33,610
I fear for our future.

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00:02:33,610 --> 00:02:42,940
Our planet Earth is threatened with an ever expanding population and only finite resources.

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00:02:42,940 --> 00:02:46,540
We need a plan B.

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00:02:46,540 --> 00:02:50,400
If our species is to survive the next hundred years

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00:02:50,400 --> 00:02:55,090
let alone a thousand that is imperative we voyage out into the blackness

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00:02:55,090 --> 00:03:00,260
of space to colonize new worlds across the cosmos.

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00:03:00,260 --> 00:03:04,910
The ISS is pioneering space exploration.

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00:03:04,910 --> 00:03:11,120
Without this knowledge travel into deep space is impossible.

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00:03:11,120 --> 00:03:16,220
Within 50 years I have no
doubt there will be settlements on the moon

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00:03:16,220 --> 00:03:24,060
and by the end of the century
I truly hope humans will be living on Mars.

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00:03:24,060 --> 00:03:30,360
I think the work on the ISS will
take a new generation of human space explorers

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00:03:30,360 --> 00:03:39,370
out into our solar system and
beyond.

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00:03:39,370 --> 00:03:45,840
I would like to congratulate the new horizons
team, NASA on their pioneering

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00:03:45,840 --> 00:03:49,510
decade-long mission to explore the Pluto system
and the Kuiper belt.

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00:03:49,510 --> 00:03:56,900
Billions of miles from Earth this little robotic
spacecraft will show us the first

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00:03:56,900 --> 00:04:02,360
glimpse of mysterious Pluto, the distant icy
world on the very edge of our solar

41
00:04:02,360 --> 00:04:03,360
system.

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00:04:03,360 --> 00:04:08,480
At fifty years since the first successful
mission from Earth, Mariner-4

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00:04:08,480 --> 00:04:12,480
sent back 21 images of the Red Planet.

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00:04:12,480 --> 00:04:19,449
Now the solar system will be further opened
up to us revealing the secrets of

45
00:04:19,449 --> 00:04:20,599
distant Pluto.

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00:04:20,599 --> 00:04:25,319
The revelations of New Horizons may help us
to understand

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00:04:25,319 --> 00:04:28,900
better how our solar system was formed.

48
00:04:28,900 --> 00:04:33,400
We explored because we are human and
we want to know.

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00:04:33,400 --> 00:04:37,430
I hope that Pluto will help us on that journey.