



1
00:00:10,390 --> 00:00:07,349
so for

2
00:00:11,990 --> 00:00:10,400
all those future aspiring astronauts

3
00:00:14,789 --> 00:00:12,000
out there particularly kids and you know

4
00:00:17,189 --> 00:00:14,799
i i was a kid watching

5
00:00:20,150 --> 00:00:17,199
the apollo landings at the age of 12 and

6
00:00:21,750 --> 00:00:20,160
13. i thought the whole thing was just

7
00:00:23,830 --> 00:00:21,760
magical i thought this was the best

8
00:00:25,830 --> 00:00:23,840
thing ever and it inspired me you know

9
00:00:28,230 --> 00:00:25,840
the first thing i did i'd go along to my

10
00:00:30,150 --> 00:00:28,240
careers master at school said how do i

11
00:00:31,990 --> 00:00:30,160
do that

12
00:00:33,670 --> 00:00:32,000
and he said well you probably ought to

13
00:00:34,870 --> 00:00:33,680

study math

14

00:00:37,670 --> 00:00:34,880

physics

15

00:00:38,950 --> 00:00:37,680

uh chemistry biology stuff like that

16

00:00:40,069 --> 00:00:38,960

and that's what got me going into

17

00:00:41,510 --> 00:00:40,079

science

18

00:00:43,750 --> 00:00:41,520

so i found the whole astronaut business

19

00:00:45,350 --> 00:00:43,760

a tremendous motivator to study the

20

00:00:47,270 --> 00:00:45,360

sciences which i've never regretted

21

00:00:49,830 --> 00:00:47,280

because i turned out i love science

22

00:00:51,270 --> 00:00:49,840

as much as i love being a national

23

00:00:53,830 --> 00:00:51,280

but i want you know young people to

24

00:00:55,590 --> 00:00:53,840

imagine that um

25

00:00:57,110 --> 00:00:55,600

the whole business not just astronauts

26

00:00:59,110 --> 00:00:57,120

but everybody who's bound up in the

27

00:01:01,590 --> 00:00:59,120

space business because it's not just the

28

00:01:03,750 --> 00:01:01,600

crews it's the whole

29

00:01:05,590 --> 00:01:03,760

community of people who are trying to

30

00:01:08,230 --> 00:01:05,600

make these good things happen

31

00:01:09,590 --> 00:01:08,240

now 20 years from now somebody could be

32

00:01:10,870 --> 00:01:09,600

walking down the ladder and stepping

33

00:01:12,789 --> 00:01:10,880

onto mars

34

00:01:14,550 --> 00:01:12,799

just think how incredible that would be

35

00:01:16,390 --> 00:01:14,560

just think what we could learn you know

36

00:01:17,990 --> 00:01:16,400

it's possible there was past life on

37

00:01:20,469 --> 00:01:18,000

mars i'm prepared to bet you anything

38

00:01:22,070 --> 00:01:20,479

you like there's no life on mars now

39

00:01:23,270 --> 00:01:22,080

but it's possible two billion years ago

40

00:01:25,190 --> 00:01:23,280

when there was an ocean and an

41

00:01:26,630 --> 00:01:25,200

atmosphere and it was warm

42

00:01:28,070 --> 00:01:26,640

that there was some kind of life

43

00:01:29,749 --> 00:01:28,080

wriggling around there and then the

44

00:01:30,950 --> 00:01:29,759

challenge would be how do we find traces

45

00:01:31,990 --> 00:01:30,960

of that

46

00:01:33,910 --> 00:01:32,000

and probably the only way we're going to

47

00:01:35,270 --> 00:01:33,920

do is by sending people there

48

00:01:36,710 --> 00:01:35,280

using their eyes

49

00:01:38,069 --> 00:01:36,720

using their brains

50

00:01:40,710 --> 00:01:38,079

and going around and looking in the

51
00:01:42,469 --> 00:01:40,720
right places for the right things

52
00:01:44,550 --> 00:01:42,479
so the whole business of you know

53
00:01:45,510 --> 00:01:44,560
exploration of our universe

54
00:01:49,030 --> 00:01:45,520
manned

55
00:01:50,630 --> 00:01:49,040
is thrilling it still is still exciting

56
00:01:53,190 --> 00:01:50,640
to me at my

57
00:01:55,670 --> 00:01:53,200
advanced age of 61.

58
00:01:57,590 --> 00:01:55,680
so for somebody who's 50 years younger

59
00:01:59,270 --> 00:01:57,600
when i was 11 years old

60
00:02:01,270 --> 00:01:59,280
i would say looking back

61
00:02:04,069 --> 00:02:01,280
it turned out to be just as thrilling

62
00:02:12,730 --> 00:02:04,079
and as exciting as i thought it would be