



Astronaut

at a Glance

1
00:00:10,549 --> 00:00:08,070
if a boulder runs rolls in front of your

2
00:00:12,789 --> 00:00:10,559
path you don't just stop and stare at

3
00:00:14,870 --> 00:00:12,799
the boulder and cry and kick the boulder

4
00:00:16,310 --> 00:00:14,880
i mean it's not going to move so you

5
00:00:18,390 --> 00:00:16,320
find a way around it you find a way

6
00:00:21,910 --> 00:00:18,400
around it you find a way over it but you

7
00:00:23,590 --> 00:00:21,920
don't just stand there and stop or quit

8
00:00:25,589 --> 00:00:23,600
you have to keep moving you always have

9
00:00:27,269 --> 00:00:25,599
to keep trying you know and and your

10
00:00:29,990 --> 00:00:27,279
goal is on the other side of the boulder

11
00:00:32,790 --> 00:00:30,000
so you just keep moving you find a way

12
00:00:34,310 --> 00:00:32,800
around it um you just don't give up my

13
00:00:37,350 --> 00:00:34,320

dad and i would sit out at night and we

14

00:00:39,990 --> 00:00:37,360

could see all the stars and we would

15

00:00:41,270 --> 00:00:40,000

look at the first satellites going over

16

00:00:43,350 --> 00:00:41,280

and you could

17

00:00:45,590 --> 00:00:43,360

imagine you know and we would talk about

18

00:00:48,150 --> 00:00:45,600

what it might be like to be up there and

19

00:00:50,630 --> 00:00:48,160

looking back started out in a small town

20

00:00:52,549 --> 00:00:50,640

in missouri and carthage missouri went

21

00:00:53,350 --> 00:00:52,559

all the way through high school there

22

00:00:55,029 --> 00:00:53,360

and

23

00:00:57,110 --> 00:00:55,039

ended up being valedictorian of my high

24

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

school class the reason i went into

25

00:01:01,349 --> 00:00:59,120

chemistry is i had a very influential

26
00:01:04,549 --> 00:01:01,359
high school teacher she encouraged me to

27
00:01:07,429 --> 00:01:04,559
study sciences and and go far in my

28
00:01:09,030 --> 00:01:07,439
career i went to a local community

29
00:01:10,630 --> 00:01:09,040
college it's actually a four-year school

30
00:01:13,109 --> 00:01:10,640
it's called missouri southern state

31
00:01:15,270 --> 00:01:13,119
college and i got a scholarship to go

32
00:01:17,590 --> 00:01:15,280
there so that made it very attractive it

33
00:01:19,510 --> 00:01:17,600
turned out to be a very good college and

34
00:01:22,870 --> 00:01:19,520
i ended up going to the university of

35
00:01:25,350 --> 00:01:22,880
missouri rolla for my graduate degree

36
00:01:27,270 --> 00:01:25,360
and my master's degree in chemistry and

37
00:01:29,670 --> 00:01:27,280
i worked for a couple of years after

38
00:01:31,109 --> 00:01:29,680

that and then applied to the university

39

00:01:34,069 --> 00:01:31,119

of washington

40

00:01:37,109 --> 00:01:34,079

in seattle where i completed a phd in

41

00:01:39,109 --> 00:01:37,119

analytical chemistry so my very first

42

00:01:40,870 --> 00:01:39,119

shuttle flight i went to the mir space

43

00:01:43,429 --> 00:01:40,880

station so it was a russian space

44

00:01:46,149 --> 00:01:43,439

station and we took the alpha magnetic

45

00:01:48,710 --> 00:01:46,159

spectrometer on its maiden flight on my

46

00:01:51,350 --> 00:01:48,720

second flight we did the space radar

47

00:01:52,950 --> 00:01:51,360

topography mission and on my last

48

00:01:55,109 --> 00:01:52,960

mission we helped construct the

49

00:01:59,670 --> 00:01:55,119

international space station by adding

50

00:02:02,230 --> 00:01:59,680

the airlock i personally was just

51
00:02:04,310 --> 00:02:02,240
you are you marvel at the size of the

52
00:02:07,270 --> 00:02:04,320
planet you marvel at the beauty of the

53
00:02:09,350 --> 00:02:07,280
planet you've seen pictures from space

54
00:02:10,790 --> 00:02:09,360
but it does not compare with actually

55
00:02:13,990 --> 00:02:10,800
being there

56
00:02:15,990 --> 00:02:14,000
in person three-dimensional you have the

57
00:02:19,190 --> 00:02:16,000
sounds of the vehicle but it's more of

58
00:02:21,670 --> 00:02:19,200
the um the lighting that you get from

59
00:02:24,229 --> 00:02:21,680
the moon reflecting off of the oceans

60
00:02:26,309 --> 00:02:24,239
and then back into your eyes and

61
00:02:28,790 --> 00:02:26,319
the lightning over the patterns that it

62
00:02:31,830 --> 00:02:28,800
makes it is something like humans have

63
00:02:33,030 --> 00:02:31,840

never experienced before and you

64

00:02:35,990 --> 00:02:33,040

feel

65

00:02:38,309 --> 00:02:36,000

regretful that you can't share that with

66

00:02:42,630 --> 00:02:38,319

more people because if more people could

67

00:02:44,229 --> 00:02:42,640

see what you saw and feel how you felt