



1
00:00:05,590 --> 00:00:03,350
first day on the job sharing an office

2
00:00:07,430 --> 00:00:05,600
with these three old apollo guys one of

3
00:00:10,870 --> 00:00:07,440
whom thought it was the funniest thing

4
00:00:12,789 --> 00:00:10,880
in the world to show up drop 10 books of

5
00:00:14,150 --> 00:00:12,799
advanced mathematics on my desk and tell

6
00:00:16,550 --> 00:00:14,160
me that this is what i needed to learn

7
00:00:18,390 --> 00:00:16,560
to be able to do thermal analysis

8
00:00:20,310 --> 00:00:18,400
i was so horrified

9
00:00:21,990 --> 00:00:20,320
i remember to this day i went home that

10
00:00:23,189 --> 00:00:22,000
night and i literally cried i called my

11
00:00:24,390 --> 00:00:23,199
mom i thought i'm never gonna be able to

12
00:00:25,429 --> 00:00:24,400
do this i'm never gonna be able to work

13
00:00:27,029 --> 00:00:25,439

at nasa

14

00:00:28,710 --> 00:00:27,039

well it turned out that was just sort of

15

00:00:30,710 --> 00:00:28,720

this guy's sense of humor and and to the

16

00:00:32,630 --> 00:00:30,720

day he retired every time he saw me he

17

00:00:34,310 --> 00:00:32,640

would ask me if i'd figured out yet how

18

00:00:36,950 --> 00:00:34,320

to solve some partial differential

19

00:00:40,549 --> 00:00:36,960

equation or another so it was quite an

20

00:00:42,950 --> 00:00:40,559

initiation to nasa for me

21

00:00:44,950 --> 00:00:42,960

i never really

22

00:00:47,029 --> 00:00:44,960

i honestly thought of myself as a girl

23

00:00:47,830 --> 00:00:47,039

at nasa

24

00:00:49,430 --> 00:00:47,840

but

25

00:00:51,510 --> 00:00:49,440

because these guys never treated me that

26

00:00:53,510 --> 00:00:51,520

way they always treated me just like

27

00:00:55,029 --> 00:00:53,520

one of the team and i think they they

28

00:00:58,869 --> 00:00:55,039

enjoyed

29

00:01:00,389 --> 00:00:58,879

interacting with them but boy it was

30

00:01:02,389 --> 00:01:00,399

like oil and water sometimes it was

31

00:01:03,750 --> 00:01:02,399

really different

32

00:01:06,230 --> 00:01:03,760

the shuttle lightweight seats was the

33

00:01:08,310 --> 00:01:06,240

first assignment i was given and they

34

00:01:10,230 --> 00:01:08,320

decided here we go we got rami let's

35

00:01:12,230 --> 00:01:10,240

give her this task that nobody's been

36

00:01:14,149 --> 00:01:12,240

able to convince the program to go pay

37

00:01:15,590 --> 00:01:14,159

for this this ought to be amusing and so

38

00:01:17,429 --> 00:01:15,600

they sent me off to go convince the

39

00:01:19,190 --> 00:01:17,439

orbiter project manager

40

00:01:22,070 --> 00:01:19,200

that he should fix the seats well of

41

00:01:23,429 --> 00:01:22,080

course fixing the seats was money

42

00:01:25,270 --> 00:01:23,439

so i i can

43

00:01:26,870 --> 00:01:25,280

remember i dutifully went and did all my

44

00:01:27,990 --> 00:01:26,880

research and gathered all my data and

45

00:01:29,109 --> 00:01:28,000

figured out how much it was going to

46

00:01:30,230 --> 00:01:29,119

cost and

47

00:01:31,429 --> 00:01:30,240

and i thought well i'm just going to go

48

00:01:32,870 --> 00:01:31,439

in and i'm going to tell him this very

49

00:01:34,630 --> 00:01:32,880

logical story and he's going to want to

50

00:01:36,469 --> 00:01:34,640

replace the seats by the time the

51
00:01:38,469 --> 00:01:36,479
meeting is over he's yelling at me

52
00:01:39,429 --> 00:01:38,479
across the table and i'm yelling back at

53
00:01:41,270 --> 00:01:39,439
him and

54
00:01:43,590 --> 00:01:41,280
at the culmination after all this

55
00:01:44,789 --> 00:01:43,600
yelling was said and done and i told my

56
00:01:46,630 --> 00:01:44,799
story

57
00:01:49,510 --> 00:01:46,640
they look across my shoulder behind me

58
00:01:51,350 --> 00:01:49,520
to my boss and the and the at the time

59
00:01:52,870 --> 00:01:51,360
deputy orbiter program manager says to

60
00:01:53,590 --> 00:01:52,880
him tom does this work need to be done

61
00:01:55,429 --> 00:01:53,600
and

62
00:01:56,389 --> 00:01:55,439
all tom says is he just nods his head

63
00:01:58,310 --> 00:01:56,399

yes

64

00:02:00,149 --> 00:01:58,320

and after all this right i've just i've

65

00:02:01,749 --> 00:02:00,159

gone here and i've bared my soul on the

66

00:02:03,109 --> 00:02:01,759

table and we're screaming at each other

67

00:02:04,310 --> 00:02:03,119

and i just think it's going awful and

68

00:02:06,069 --> 00:02:04,320

it's done

69

00:02:07,429 --> 00:02:06,079

and that was what it was like and they

70

00:02:09,910 --> 00:02:07,439

paid for it and we went and we did it

71

00:02:11,750 --> 00:02:09,920

and but that was what decision making

72

00:02:13,670 --> 00:02:11,760

was like sort of earning your stripes in

73

00:02:15,430 --> 00:02:13,680

front of the program manager and showing

74

00:02:17,190 --> 00:02:15,440

him that you knew what you were talking

75

00:02:18,790 --> 00:02:17,200

about you'd done your research you were

76

00:02:20,710 --> 00:02:18,800

willing to defend your position and it

77

00:02:22,229 --> 00:02:20,720

didn't matter what his rank was versus

78

00:02:25,990 --> 00:02:22,239

yours you were gonna tell him what you

79

00:02:29,750 --> 00:02:28,869

so what i would want people to see

80

00:02:31,910 --> 00:02:29,760

and i

81

00:02:34,070 --> 00:02:31,920

a lot of times i measure let's have a

82

00:02:35,670 --> 00:02:34,080

very small world i have my nasa world

83

00:02:37,670 --> 00:02:35,680

and i have my eight-year-old those are

84

00:02:39,750 --> 00:02:37,680

the things i have right my family and my

85

00:02:42,949 --> 00:02:39,760

work so i judge everything by a lot what

86

00:02:46,070 --> 00:02:44,550

i think what

87

00:02:48,550 --> 00:02:46,080

what gets

88

00:02:50,710 --> 00:02:48,560

me excited as being a lead for something

89

00:02:52,229 --> 00:02:50,720

like orion

90

00:02:56,229 --> 00:02:52,239

is

91

00:02:57,589 --> 00:02:56,239

that's going to open up

92

00:02:59,910 --> 00:02:57,599

not just for me

93

00:03:02,070 --> 00:02:59,920

but for her

94

00:03:03,750 --> 00:03:02,080

you know i look forward to what

95

00:03:06,229 --> 00:03:03,760

her generation will do with that

96

00:03:07,750 --> 00:03:06,239

capability where they'll go with it what

97

00:03:12,470 --> 00:03:07,760

they'll what they'll do with it where

98

00:03:15,430 --> 00:03:14,630

giving them that tool

99

00:03:21,589 --> 00:03:15,440

that