



1
00:00:01,179 --> 00:00:02,160
Good Morning

2
00:00:02,160 --> 00:00:04,440
Alright, we got a group for an exciting day today.

3
00:00:04,440 --> 00:00:06,360
Welcome to Antelope Valley College

4
00:00:06,600 --> 00:00:09,520
This is really an honor and pleasure for us to

5
00:00:09,760 --> 00:00:11,960
have all these beautiful young faces

6
00:00:11,960 --> 00:00:12,880
on our campus today.

7
00:00:13,520 --> 00:00:15,820
because education is what it's we're all about.

8
00:00:16,040 --> 00:00:18,600
and you're gonna have an exciting day, today.

9
00:00:22,440 --> 00:00:24,860
Marta had a tremendous passion

10
00:00:25,480 --> 00:00:27,240
for trying to encourage youth,

11
00:00:27,240 --> 00:00:29,220
and particularly girls,

12
00:00:29,880 --> 00:00:32,500
to go into technical fields and into math and science.

13
00:00:33,220 --> 00:00:35,200

And one of the things that, that

14

00:00:35,200 --> 00:00:38,100

I think she tried to portray in this Odyssey

15

00:00:38,340 --> 00:00:40,980

was how much fun math and
science can be

16

00:00:41,600 --> 00:00:44,100

and I think you'll you'll see that today

17

00:00:44,180 --> 00:00:46,780

and I want to want to continue that theme

18

00:00:46,880 --> 00:00:47,700

as I talk this morning.

19

00:00:48,480 --> 00:00:52,180

Now, Marta was a role model and a first

20

00:00:52,180 --> 00:00:54,740

in many, many aspects of aerospace.

21

00:00:55,500 --> 00:00:58,100

She graduated in aerospace engineering

22

00:00:58,100 --> 00:01:00,300

at a time when there really weren't very many women

23

00:01:00,300 --> 00:01:02,080

at all in that field.

24

00:01:02,840 --> 00:01:04,900

And she was really a pathfinder

25

00:01:04,900 --> 00:01:07,380

at NASA Dryden and had a lot of firsts there.

26

00:01:08,160 --> 00:01:10,700

She was the first woman to be an

27

00:01:10,760 --> 00:01:12,080

Operations Engineer.

28

00:01:12,760 --> 00:01:15,840

She was the first female Center Chief Engineer

29

00:01:16,660 --> 00:01:19,040

and I think the thing that she was most proud of was

30

00:01:19,040 --> 00:01:21,360

the opportunity that she got to fly

31

00:01:21,360 --> 00:01:23,100

as a crew member in the SR-71.

32

00:01:25,560 --> 00:01:27,040

Now take a step on the seat.

33

00:01:32,420 --> 00:01:33,200

Go ahead.

34

00:01:45,440 --> 00:01:46,720

Very good.

35

00:01:48,220 --> 00:01:49,760

Easy when you turn the stick.

36

00:02:17,840 --> 00:02:19,600

Now, what you see up here,

37

00:02:19,600 --> 00:02:21,280

these bottom two screens here

38

00:02:21,440 --> 00:02:24,080
are a live feed from the aircraft.

39
00:02:24,080 --> 00:02:25,680
that you will be talking to.

40
00:02:25,720 --> 00:02:28,180
This thing can do all sorts of really

41
00:02:28,180 --> 00:02:30,860
stomach flopping sort of turns and things like that

42
00:02:30,880 --> 00:02:32,880
and you'll see the pilot do that here today.

43
00:02:32,880 --> 00:02:33,960
So you guys are actually gonna get a chance

44
00:02:34,140 --> 00:02:36,100
to ask him, to do that.

45
00:02:36,460 --> 00:02:38,940
So it's very important that you identify who you are

46
00:02:39,000 --> 00:02:41,000
and who it is you're trying to talk to.

47
00:02:41,000 --> 00:02:44,440
So, today, we are, NASA Odyssey.

48
00:02:45,060 --> 00:02:45,560
OK?

49
00:02:45,680 --> 00:02:48,400
The pilot, in his airplane, This airplane is known as

50
00:02:48,400 --> 00:02:50,240
NASA 8-6-5.

51
00:02:51,580 --> 00:02:54,660
NASA 8-65- this is NASA Odyssey

52
00:02:55,580 --> 00:02:57,160
NASA Odyssey...NASA 8-6-5

53
00:02:57,160 --> 00:02:58,940
You're loud and clear...go ahead

54
00:02:59,600 --> 00:03:05,159
undergo an what is a barrel roll a
barrel roll is that I do like an aileron

55
00:03:05,159 --> 00:03:09,750
roll except in the aileron roll we just
rotated the airplane around the

56
00:03:09,750 --> 00:03:15,780
longitudinal axis in a barrel roll the
airplane will pick up and then it will

57
00:03:15,780 --> 00:03:21,930
begin a roll and it will be burning
enrolling at the same time so with me

58
00:03:21,930 --> 00:03:27,389
like going around the inside of a barrel
and at the end of the barrel rolled air

59
00:03:27,389 --> 00:03:30,760
makes its are all flowing about the same
direction

60
00:03:30,760 --> 00:03:36,400
but it's a combination of a rolling and
pitching maneuver and there we go with

61
00:03:36,400 --> 00:03:39,060

the ball roll

62

00:03:52,180 --> 00:04:02,519

that was a ball roll right now you're
here

63

00:04:07,220 --> 00:04:18,989

all right Tanana I figured a hammer
not even Hispanic we all go into their

64

00:04:18,989 --> 00:04:32,280

eyes open era single can measure a
hammer yeah I know vendor 24 tree out

65

00:04:32,280 --> 00:04:41,060

there earlier if you want cheap it'll go
use and then come to Dennis yelling oh

66

00:04:41,060 --> 00:04:51,990

my god the blades obviously never ever
stick your hand out the window when

67

00:04:51,990 --> 00:04:55,410

you're driving in the car if you go like
this that's pretty good a say like there

68

00:04:55,410 --> 00:04:59,970

but if you just changing angle he's
going to want to lift right or if you

69

00:04:59,970 --> 00:05:03,240

put it down like this before it goes
down that's kind of what happens we