

A night photograph of the White House, brightly lit against a dark sky. In the foreground, a person is seen from the side, looking through a large telephoto lens mounted on a tripod. The lens is illuminated with a red light. The person is wearing a dark jacket with an American flag patch on the sleeve. In the background, several other people are visible, some standing and some walking, all silhouetted against the light from the White House.

“America can do anything.
We’ve just got to keep on encouraging every new generation
to explore, and invent, and create, and discover.”
– President Obama

1
00:00:08,590 --> 00:00:09,590
[MUSIC]

2
00:00:09,590 --> 00:00:13,220
A FEW HOURS AGO, I GOT A CHANCE TO TALK TO
THE ASTRONAUTS UP ON THE INTERNATIONAL SPACE

3
00:00:13,220 --> 00:00:18,370
STATION, WHERE SCOTT KELLY IS LIVING FOR AN
ENTIRE YEAR.

4
00:00:18,370 --> 00:00:22,939
LAST MONTH, NASA FOUND WATER FLOWING ON MARS.

5
00:00:22,939 --> 00:00:27,580
EARLIER THIS YEAR, WE MAPPED PLUTO IN HIGH-RESOLUTION.

6
00:00:27,580 --> 00:00:31,980
IN RECENT YEARS, WE'VE DISCOVERED THE FIRST
EARTH-SIZED PLANET ORBITING A STAR IN A DISTANT

7
00:00:31,980 --> 00:00:33,530
GALAXY.

8
00:00:33,530 --> 00:00:38,460
AND WE'VE EVEN SLIPPED THE OUTERMOST GRASP
OF OUR SOLAR SYSTEM WITH VOYAGER 1 -- THE

9
00:00:38,460 --> 00:00:42,640
FIRST HUMAN-MADE OBJECT TO VENTURE INTO INTERSTELLAR
SPACE.

10
00:00:42,640 --> 00:00:49,540
IN 2017, WITH THE HELP OF AMERICAN SPACE COMPANIES,
OUR ASTRONAUTS WILL ONCE AGAIN LAUNCH TO SPACE

11
00:00:49,540 --> 00:00:51,489
DIRECTLY FROM AMERICAN SOIL.

12

00:00:51,489 --> 00:01:04,089

AND TODAY, NASA IS DEVELOPING THE CAPABILITIES
TO SEND HUMANS TO MARS IN THE 2030S.

13

00:01:04,089 --> 00:01:10,360

[MUSIC]

14

00:01:10,360 --> 00:01:16,250

WE HEARD PRESIDENT OBAMA IN HIS REMARKS TALK
ABOUT HIS PRIORITY TO HAVE US LAUNCH AGAIN

15

00:01:16,250 --> 00:01:22,039

AMERICAN ASTRONAUTS FROM US SOIL ON AMERICAN
RIDES AND YOU GUYS ARE GOING TO BE THE ASTRONAUTS

16

00:01:22,039 --> 00:01:24,140

WERE GOING TO CARRY OUT THOSE MISSIONS.

17

00:01:24,140 --> 00:01:28,890

HOW DOES IT ACTUALLY FEEL TO BE SELECTED TO
BE THE FIRST ASTRONAUTS TO FLY ON THESE MISSIONS

18

00:01:28,890 --> 00:01:32,039

AND WHAT DOES THAT ACTUALLY MEAN IN TERMS
OF THE WORK YOU'RE GOING TO BE DOING OVER

19

00:01:32,039 --> 00:01:33,190

THE NEXT FEW YEARS?

20

00:01:33,190 --> 00:01:38,210

THE ROLE THAT WE PLAY AS A PART OF THE COMMERCIAL
CREW PROGRAM IS TO WORK DIRECTLY HAND-IN-HAND

21

00:01:38,210 --> 00:01:44,569

WITH BOTH BOEING AND SPACEX TO INFORM THEM
TO KINDA DESIGN THESE NEW SPACESHIPS OF WHAT

22

00:01:44,569 --> 00:01:49,679

OUR EXPERIENCES WERE WHEN WE FLEW MISSIONS

AND HELP THEM BUILD A GOOD SPACESHIP THAT

23

00:01:49,679 --> 00:01:54,069

YOU KNOW THE NEXT COUPLE OF GENERATIONS AT
LEAST OF CLASSES THAT COME INTO THE ASTRONAUT

24

00:01:54,069 --> 00:01:59,069

OFFICE ARE GONNA FLY AND SO I THINK WE ALL
FEEL PRETTY BIG RESPONSIBILITY TO MAKE SURE

25

00:01:59,069 --> 00:02:05,000

THAT WE BUILD A PARTICIPATE IN THE BUILDING
OF A NEW SPACESHIP THAT ASTRONAUTS IN THE

26

00:02:05,000 --> 00:02:09,190

FUTURE, YOU KNOW WANT TO FLY ON AND A PROUD
OF AND I THINK WORKS WELL AND AND THERE'S

27

00:02:09,190 --> 00:02:11,569

A LOT OF RESPONSIBILITY ASSOCIATE WITH THAT.

28

00:02:11,569 --> 00:02:14,800

PRESIDENT OBAMA SAID TONIGHT THEY WERE ON
A JOURNEY TO MARS THAT WE'RE GOING TO MAKE

29

00:02:14,800 --> 00:02:16,430

IT TO MARS IN THE 2030S.

30

00:02:16,430 --> 00:02:21,459

WHAT DO WE NEED TO DO BETWEEN NOW AND THEN
GET READY WHAT ARE THE TECHNOLOGIES THAT WE

31

00:02:21,459 --> 00:02:25,250

NEED TO DEVELOP TO MAKE IT POSSIBLE TO SURVIVE
THAT JOURNEY AND MAKE IT BACK.

32

00:02:25,250 --> 00:02:29,760

THE LETTUCE IS A REAL BIG ONE, IT MAKES A
BIG DIFFERENCE WHEN YOU CAN EAT SOME FRESH

33

00:02:29,760 --> 00:02:34,049

FOOD AND OBVIOUSLY WEIGHT IS A BIG PROBLEM
YOU KNOW SO WE'VE GOT A WATER RECLAMATION

34

00:02:34,049 --> 00:02:39,129

RACKS THE RACK ON BOARD SO WE CAN ACTUALLY
TAKE YOU KNOW WATER THAT'S BEEN USED AND REUSE

35

00:02:39,129 --> 00:02:43,000

IT OVER AND OVER AGAIN A LOT THERE ARE A LOT
OF THINGS BETWEEN HERE AND NOW AND THE JOURNEY

36

00:02:43,000 --> 00:02:47,269

YOU KNOW IT WOULD BE NICE TO HAVE BIGGER ENGINES
TO GET THERE FASTER AND ALSO THE ONCE YOU

37

00:02:47,269 --> 00:02:50,989

GET THERE YOU GOT TO HAVE THE ABILITY TO SUSTAIN
YOURSELF FOR A PERIOD OF TIME SO MAKING ALL

38

00:02:50,989 --> 00:02:55,170

THOSE LONG-TERM FILE TYPE OF THINGS ARE THINGS
WE ARE WORKING OUT THE SPACE STATION.

39

00:02:55,170 --> 00:02:59,629

WE OFTEN TALK ABOUT SCIENCE FICTION BECOMING
SCIENCE FACT HERE AT THE WHITE HOUSE A LOT

40

00:02:59,629 --> 00:03:03,769

OF TECHNOLOGIES THAT WERE FIRST ENVISIONED
IN SCIENCE FICTION NOW EXIST IN THE REAL WORLD

41

00:03:03,769 --> 00:03:07,140

LIKE SATELLITES WERE FIRST CONCEIVED IN A
BOOK.

42

00:03:07,140 --> 00:03:10,751

I THINK ONE OF THE THINGS THAT MOST MOVIES
AND TALK ABOUT SPACE IS JUST A WONDER OF SPACE

43

00:03:10,751 --> 00:03:14,829

AND I THINK JUST ALL US AT ONE TIME OR ANOTHER
SETBACK FOR A MINUTE OR TWO AND YOU KIND OF

44

00:03:14,829 --> 00:03:18,999

LOOK AROUND AND YOU LOOK AT YOU SEE THE BEAUTIFUL
EARTH GOING BENEATH YOU AND YOU LOOK OUT SEE

45

00:03:18,999 --> 00:03:22,630

THE STARS AND THEN YOU SEE THE CREW AND THE
TEAMS AND ALL THAT STUFF, MAKING ALL THIS

46

00:03:22,630 --> 00:03:27,349

STUFF HAPPEN AND YOU REALLY APPRECIATE IT
JUST IT'S JUST AMAZING YOU KNOW YOU TRAIN

47

00:03:27,349 --> 00:03:30,060

AND YOU'VE DONE ALL THESE THINGS BUT IT'S
STILL AMAZING WHEN YOU GET UP THERE AND ACTUALLY

48

00:03:30,060 --> 00:03:32,230

SEE IT HAPPEN.

49

00:03:32,230 --> 00:03:33,379

AMERICA CAN DO ANYTHING.