
USA
Columbia
YOUNG · CRIPPEN
USA
40
YEARS

1
00:00:03,000 --> 00:00:04,485
5,4 ...

2
00:00:04,485 --> 00:00:06,000
We've gone for main engine start.

3
00:00:06,000 --> 00:00:07,693
We have main engine start.

4
00:00:09,520 --> 00:00:14,640
On April 12, 1981, the Space Shuttle\h
launched for its first mission, STS-1.

5
00:00:14,640 --> 00:00:18,320
There was a lot of excitement surrounding\h
that launch. It would be the first time\h\h

6
00:00:18,320 --> 00:00:26,681
that Americans had launched from American soil\h
since the Apollo-Soyuz Test Project in 1975.

7
00:00:26,681 --> 00:00:37,702
■■■

8
00:00:39,920 --> 00:00:44,240
Well, the first flight, our intent is\h
primarily to make sure that the bird\h\h

9
00:00:44,240 --> 00:00:47,280
will get up like we want it to and\h
it'll come down like we wanted to.

10
00:00:47,280 --> 00:00:50,880
The Space Shuttle would be a significant\h
achievement. It would be the first of its\h\h

11
00:00:50,880 --> 00:00:55,040
kind - a fully reusable vehicle\h
for travel to low-Earth orbit.

12
00:00:57,440 --> 00:01:01,120
The design and development of\h
the Space Shuttle took 10 years.

13
00:01:01,120 --> 00:01:04,640
The propulsion systems, the\h
space shuttle main engines were\h\h

14
00:01:04,640 --> 00:01:07,920
some of the most complex, highly advanced engines.

15
00:01:07,920 --> 00:01:09,360
[engine noise]

16
00:01:09,360 --> 00:01:13,680
They still exist today because the\h
RS25s on the Space Launch System.

17
00:01:14,720 --> 00:01:18,640
But for those people who don't understand the\h
significance of this, one more time please,\h\h

18
00:01:19,280 --> 00:01:25,360
why do you think this is so important?\h
Why are you so satisfied with it?

19
00:01:25,360 --> 00:01:29,920
Well it's a, it's a, it's an age\h
long goal to be able to fly into\h\h

20
00:01:29,920 --> 00:01:34,320
and out of space but even more\h
than that, uh, I think it's a\h\h

21
00:01:34,880 --> 00:01:41,200
remarkable way to get payloads up\h
into space cheaply and economically.

22

00:01:41,200 --> 00:01:45,280
It's what we've been trying to do for the\h
last 10 years, routine access to space.\h\h

23
00:01:45,280 --> 00:01:49,760
It's going to improve science and technology\h
in this country. That's going to be remarkably\h\h

24
00:01:49,760 --> 00:01:53,840
beneficial to everyone in this room in\h
ways that we just can't even imagine.

25
00:02:01,040 --> 00:02:04,320
Robert and I have spent the\h
most exciting and interesting\h\h

26
00:02:04,320 --> 00:02:08,960
two and a half days probably that we ever\h
spent in our lives or ever spent again.

27
00:02:09,840 --> 00:02:17,520
The spaceship Columbia is a phenomenal, it\h
is a incredibly amazing piece of machinery\h\h

28
00:02:18,160 --> 00:02:22,640
and anytime you can take something that\h
big and put it into space and bring it back\h\h

29
00:02:22,640 --> 00:02:29,153
land it on a runway you have just accomplished\h
something just short of a miracle I believe.

30
00:02:29,269 --> 00:02:31,686
[laughter]

31
00:02:31,920 --> 00:02:40,080
I believe that as we stand here this afternoon,\h
even those of us with the greatest imagination\h\h

32
00:02:41,680 --> 00:02:44,800

cannot in any way project\h\h

33
00:02:45,520 --> 00:02:50,640
the future that has been opened by the flight\h
that John and Crip have just completed.

34
00:02:51,246 --> 00:02:53,312
[applause]

35
00:02:53,520 --> 00:02:58,960
The success of the STS-1 mission was the\h
beginning of a long line of successes.

36
00:02:58,960 --> 00:03:00,800
Overall, the Space Shuttle program\h\h

37
00:03:00,800 --> 00:03:05,680
would verify that human beings could\h
travel routinely to the low-Earth orbit.

38
00:03:05,680 --> 00:03:09,920
While there were incredible risks involved and\h
incredible things that happened along the way,\h\h

39
00:03:09,920 --> 00:03:15,680
NASA never failed to come back to its mission\h
and over the course of those three decades,\h\h

40
00:03:15,680 --> 00:03:19,520
the Space Shuttle program led\h
a number of successful missions\h\h

41
00:03:19,520 --> 00:03:23,600
and really redefined what we know\h
about the microgravity environment.

42
00:03:23,600 --> 00:03:26,080
It enabled the building of\h
one of the most successful\h\h

43
00:03:26,080 --> 00:03:28,240
facilities human beings have ever designed-\h\h

44
00:03:28,240 --> 00:03:32,800
the International Space Station and provided\h
access to that space station for a long time.

45
00:03:33,600 --> 00:03:40,240
It would go on to deliver a number of incredible\h
observatories to low-Earth orbit- Hubble, Chandra,\h\h

46
00:03:40,240 --> 00:03:43,360
Compton Gamma Ray Observatory\h
and a number of other missions.

47
00:03:44,000 --> 00:03:47,840
It was a remarkable success\h
that has led us to this moment.

48
00:03:47,840 --> 00:03:49,760
We can learn a lot from the Space Shuttle.

49
00:03:49,760 --> 00:03:52,080
We can even improve upon the Space Shuttle.