



1  
00:00:04,390 --> 00:00:02,389  
now on mission control

2  
00:00:06,550 --> 00:00:04,400  
excuse me

3  
00:00:09,190 --> 00:00:06,560  
in mission control our job is not over

4  
00:00:11,270 --> 00:00:09,200  
until we hand over responsibility

5  
00:00:12,870 --> 00:00:11,280  
uh for the crew to the recovery task

6  
00:00:14,709 --> 00:00:12,880  
force commander

7  
00:00:16,390 --> 00:00:14,719  
and as soon as the cruise feet hit the

8  
00:00:18,710 --> 00:00:16,400  
carrier deck we start that handover

9  
00:00:20,950 --> 00:00:18,720  
process and when it is complete and only

10  
00:00:23,830 --> 00:00:20,960  
one is complete do we celebrate

11  
00:00:26,470 --> 00:00:23,840  
by now we have pre-positioned about 700

12  
00:00:28,390 --> 00:00:26,480  
of the best cigars we can find

13  
00:00:29,830 --> 00:00:28,400

from the west coast of the united states

14

00:00:31,990 --> 00:00:29,840

all the way to the east coast of the

15

00:00:33,910 --> 00:00:32,000

united states and several locations

16

00:00:35,350 --> 00:00:33,920

where he didn't have enough to go around

17

00:00:36,470 --> 00:00:35,360

we instruct the people to cut them in

18

00:00:38,950 --> 00:00:36,480

half

19

00:00:40,549 --> 00:00:38,960

and then in national tv we count down to

20

00:00:42,310 --> 00:00:40,559

light up those cigars and that is

21

00:00:45,110 --> 00:00:42,320

probably the sweetest smoke

22

00:00:47,110 --> 00:00:45,120

that i think any of us have ever had

23

00:00:48,549 --> 00:00:47,120

second phase in celebration is back out

24

00:00:51,029 --> 00:00:48,559

of a condition we call battle short

25

00:00:52,790 --> 00:00:51,039

during all critical phases at that time

26

00:00:54,229 --> 00:00:52,800

we used to actually physically block

27

00:00:55,750 --> 00:00:54,239

power breakers coming into the building

28

00:00:57,350 --> 00:00:55,760

and lock all doors

29

00:00:59,830 --> 00:00:57,360

i locked the doors of the main control

30

00:01:01,670 --> 00:00:59,840

room and now we back out of the battle

31

00:01:03,990 --> 00:01:01,680

short condition and the real heroes of

32

00:01:05,509 --> 00:01:04,000

13 come in and join us which are the

33

00:01:06,870 --> 00:01:05,519

folks in the back room

34

00:01:08,390 --> 00:01:06,880

because they're the ones that gave us

35

00:01:09,190 --> 00:01:08,400

the answers we needed when we needed

36

00:01:11,030 --> 00:01:09,200

them

37

00:01:13,030 --> 00:01:11,040

all we did in the main control room is

38

00:01:15,830 --> 00:01:13,040

count cadence and assemble the pieces

39

00:01:17,510 --> 00:01:15,840

into the proper sequence

40

00:01:19,350 --> 00:01:17,520

third phase in celebration is a

41

00:01:21,910 --> 00:01:19,360

tradition we started when we set our

42

00:01:24,469 --> 00:01:21,920

first space record as americans

43

00:01:27,030 --> 00:01:24,479

we pass out an american flag to every

44

00:01:28,469 --> 00:01:27,040

controller and on the staff of that flag

45

00:01:30,070 --> 00:01:28,479

you write the mission

46

00:01:31,910 --> 00:01:30,080

you write your name you write the

47

00:01:33,670 --> 00:01:31,920

landing time the job you were doing in

48

00:01:35,590 --> 00:01:33,680

mission control

49

00:01:36,630 --> 00:01:35,600

and we continued this tradition all the

50

00:01:38,469 --> 00:01:36,640

way through

51  
00:01:41,030 --> 00:01:38,479  
the early shuttle program it's one of

52  
00:01:43,190 --> 00:01:41,040  
our most treasured possessions

53  
00:01:45,030 --> 00:01:43,200  
president nixon came down and visited we

54  
00:01:46,870 --> 00:01:45,040  
got some nice attaboys in houston then

55  
00:01:49,749 --> 00:01:46,880  
he went out two days later

56  
00:01:51,270 --> 00:01:49,759  
to greet the crew out in hawaii

57  
00:01:53,590 --> 00:01:51,280  
and give them the well-deserved

58  
00:01:54,950 --> 00:01:53,600  
recognition for their absolutely superb

59  
00:01:56,069 --> 00:01:54,960  
performance during the course of the

60  
00:01:58,149 --> 00:01:56,079  
mission

61  
00:02:00,310 --> 00:01:58,159  
a lot of times we're asked and i think

62  
00:02:02,069 --> 00:02:00,320  
both level myself and hayes all agree

63  
00:02:03,670 --> 00:02:02,079

what was the real key to this mission

64

00:02:06,789 --> 00:02:03,680

was absolute trust

65

00:02:08,869 --> 00:02:06,799

that existed within this team

66

00:02:11,589 --> 00:02:08,879

it wasn't a group of individuals it was

67

00:02:13,830 --> 00:02:11,599

one team all the way

68

00:02:16,390 --> 00:02:13,840

we always operated with four flight

69

00:02:17,670 --> 00:02:16,400

directors and we did this to balance the

70

00:02:19,589 --> 00:02:17,680

training load

71

00:02:21,830 --> 00:02:19,599

uh because training's pretty intense and

72

00:02:24,790 --> 00:02:21,840

it's very lengthy for the missions

73

00:02:26,070 --> 00:02:24,800

shifts run between 12 and 14 hours most

74

00:02:28,150 --> 00:02:26,080

of the time

75

00:02:29,990 --> 00:02:28,160

and that way we could pull a team out of

76  
00:02:31,350 --> 00:02:30,000  
rotation a midpoint of the mission

77  
00:02:33,589 --> 00:02:31,360  
probably the most important reason

78  
00:02:35,270 --> 00:02:33,599  
though is one team was always designated

79  
00:02:37,350 --> 00:02:35,280  
as a crisis management team before

80  
00:02:39,270 --> 00:02:37,360  
liftoff and that happened to be my

81  
00:02:41,350 --> 00:02:39,280  
responsibility as lead team when the

82  
00:02:43,350 --> 00:02:41,360  
time came the way you had the problem

83  
00:02:45,270 --> 00:02:43,360  
was up to me to get my shift out of my

84  
00:02:46,790 --> 00:02:45,280  
team out of the shift rotation and

85  
00:02:49,270 --> 00:02:46,800  
basically come up with the answers and

86  
00:02:50,710 --> 00:02:49,280  
return the console only when we had the

87  
00:02:52,790 --> 00:02:50,720  
answers

88  
00:02:55,350 --> 00:02:52,800

glenn lenny was the youngest of the

89

00:02:57,350 --> 00:02:55,360

flight directors he was 32 years old at

90

00:03:00,150 --> 00:02:57,360

the time of apollo 13.

91

00:03:02,790 --> 00:03:00,160

a case a team caller black came to us

92

00:03:04,790 --> 00:03:02,800

from case institute in cleveland was the

93

00:03:06,710 --> 00:03:04,800

first person ever worked with

94

00:03:08,630 --> 00:03:06,720

who knew anything about a computer so he

95

00:03:10,229 --> 00:03:08,640

was the go-to guy

96

00:03:11,430 --> 00:03:10,239

for the answers we needed out of the

97

00:03:13,110 --> 00:03:11,440

machines

98

00:03:15,350 --> 00:03:13,120

the remaining three flight directors i

99

00:03:16,869 --> 00:03:15,360

was the oldest at 37 we had milt whitler

100

00:03:18,869 --> 00:03:16,879

and jerry griffin milt with the murray

101  
00:03:19,910 --> 00:03:18,879  
and jerry griffin with the gold remain

102  
00:03:20,869 --> 00:03:19,920  
i mean three of us were all fighter

103  
00:03:23,110 --> 00:03:20,879  
pilots

104  
00:03:25,830 --> 00:03:23,120  
we flew the late subsonic and early

105  
00:03:27,910 --> 00:03:25,840  
supersonic aircraft in the 50s i believe

106  
00:03:29,509 --> 00:03:27,920  
it was this background in aviation at

107  
00:03:32,070 --> 00:03:29,519  
that time that really helped us keep our

108  
00:03:33,589 --> 00:03:32,080  
poise during the mission

109  
00:03:36,550 --> 00:03:33,599  
our nation abandoned the moon in

110  
00:03:38,789 --> 00:03:36,560  
december 1972 gene cernan was the last

111  
00:03:39,830 --> 00:03:38,799  
human ever to walk on the surface of the

112  
00:03:41,670 --> 00:03:39,840  
moon

113  
00:03:43,430 --> 00:03:41,680

and for us this was a marvelous time to

114

00:03:45,830 --> 00:03:43,440

live because we believed in the stream

115

00:03:47,830 --> 00:03:45,840

that were given by john f kennedy

116

00:03:49,670 --> 00:03:47,840

we considered ourselves privileged and

117

00:03:51,990 --> 00:03:49,680

proud to be part of the brotherhood that

118

00:03:53,670 --> 00:03:52,000

formed in the early years of space

119

00:03:55,830 --> 00:03:53,680

and we thanked our country that they

120

00:03:57,589 --> 00:03:55,840

gave us a chance to participate in this

121

00:04:00,070 --> 00:03:57,599

great adventure

122

00:04:02,949 --> 00:04:00,080

so this is the the story of mission

123

00:04:05,589 --> 00:04:02,959

control star of apollo 13 story of a

124

00:04:08,309 --> 00:04:05,599

team of young young americans

125

00:04:10,949 --> 00:04:08,319

united through leadership trust

126

00:04:12,869 --> 00:04:10,959

values and a clear objective

127

00:04:15,509 --> 00:04:12,879

and a team that truly believes that in