



**Mikhail Kornienko**

EXPEDITION 23 FLIGHT ENGINEER

1  
00:00:05,829 --> 00:00:03,270  
the next three members of the

2  
00:00:08,390 --> 00:00:05,839  
international space station crew include

3  
00:00:09,990 --> 00:00:08,400  
an air force pilot and law student a

4  
00:00:12,629 --> 00:00:10,000  
chemistry professor and former

5  
00:00:14,549 --> 00:00:12,639  
electrician and a paratrooper turned

6  
00:00:16,070 --> 00:00:14,559  
police officer turned spacecraft

7  
00:00:17,830 --> 00:00:16,080  
engineer

8  
00:00:20,310 --> 00:00:17,840  
russian air force colonel alexander

9  
00:00:22,550 --> 00:00:20,320  
skvortsov was born in shelkov near

10  
00:00:25,029 --> 00:00:22,560  
moscow because his father's job had

11  
00:00:27,750 --> 00:00:25,039  
brought the family to star city a town

12  
00:00:29,029 --> 00:00:27,760  
with no hospital

13  
00:00:32,709 --> 00:00:29,039

my father

14

00:00:35,030 --> 00:00:32,719

was a member of the cosmonaut corps not

15

00:00:36,549 --> 00:00:35,040

for too long because he had health

16

00:00:38,709 --> 00:00:36,559

issues but

17

00:00:40,150 --> 00:00:38,719

still i heard many good things

18

00:00:42,310 --> 00:00:40,160

about it

19

00:00:44,389 --> 00:00:42,320

and the

20

00:00:45,750 --> 00:00:44,399

the idea of space has always been very

21

00:00:47,590 --> 00:00:45,760

strong and

22

00:00:48,709 --> 00:00:47,600

strongly present in our

23

00:00:51,510 --> 00:00:48,719

families

24

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

skvortsov's ambition to fly was nurtured

25

00:00:55,910 --> 00:00:53,520

growing up in a military family that

26  
00:00:58,229 --> 00:00:55,920  
moved from city to city and led to what

27  
00:00:59,189 --> 00:00:58,239  
he calls a pretty standard educational

28  
00:01:01,189 --> 00:00:59,199  
path

29  
00:01:03,110 --> 00:01:01,199  
after high school in morshansk he

30  
00:01:05,429 --> 00:01:03,120  
completed study at the stavropol air

31  
00:01:07,350 --> 00:01:05,439  
force pilot and navigator school

32  
00:01:08,710 --> 00:01:07,360  
spent seven years in the national air

33  
00:01:10,789 --> 00:01:08,720  
defense force

34  
00:01:12,630 --> 00:01:10,799  
then studied at the military red banner

35  
00:01:15,749 --> 00:01:12,640  
air defense academy

36  
00:01:17,350 --> 00:01:15,759  
scorchoff graduated the academy in 1997

37  
00:01:19,749 --> 00:01:17,360  
the same year he was selected for the

38  
00:01:23,670 --> 00:01:19,759

cosmonaut corps and started training to

39

00:01:26,390 --> 00:01:24,830

people who

40

00:01:29,510 --> 00:01:26,400

have

41

00:01:31,429 --> 00:01:29,520

this spirit that makes them strive for

42

00:01:33,510 --> 00:01:31,439

discoveries for research and to go

43

00:01:35,270 --> 00:01:33,520

higher to go deeper that is something

44

00:01:37,109 --> 00:01:35,280

that allows us to do

45

00:01:40,149 --> 00:01:37,119

new things achieve new

46

00:01:43,749 --> 00:01:41,590

this is

47

00:01:45,670 --> 00:01:43,759

what humanity is all about

48

00:01:48,550 --> 00:01:45,680

in the years he's been preparing for

49

00:01:50,550 --> 00:01:48,560

this first space flight skv's also been

50

00:01:58,230 --> 00:01:50,560

studying at the russian academy of civil

51  
00:02:02,630 --> 00:02:00,230  
coincide with the fact that i will have

52  
00:02:04,630 --> 00:02:02,640  
to find space so i'll have to take a

53  
00:02:06,709 --> 00:02:04,640  
short break and i guess graduate the

54  
00:02:08,869 --> 00:02:06,719  
year after that when we did inspections

55  
00:02:11,510 --> 00:02:08,879  
every night tracy caldwell dyson was

56  
00:02:13,270 --> 00:02:11,520  
born in arcadia california and thinks of

57  
00:02:14,550 --> 00:02:13,280  
all of southern california as her

58  
00:02:16,470 --> 00:02:14,560  
hometown

59  
00:02:18,550 --> 00:02:16,480  
she remembers dreaming about space as a

60  
00:02:20,550 --> 00:02:18,560  
young girl but she first thought of it

61  
00:02:22,710 --> 00:02:20,560  
as a career when she was a high school

62  
00:02:25,430 --> 00:02:22,720  
student who saw a teacher christa

63  
00:02:27,190 --> 00:02:25,440

mcauliffe prepare for her space flight

64

00:02:29,270 --> 00:02:27,200

you start to realize that i've got

65

00:02:31,509 --> 00:02:29,280

something in common with this person and

66

00:02:33,190 --> 00:02:31,519

a teacher has the right stuff and a

67

00:02:34,710 --> 00:02:33,200

teacher is teaching me

68

00:02:37,430 --> 00:02:34,720

all day long i spend more time with my

69

00:02:39,430 --> 00:02:37,440

teachers than i do my parents

70

00:02:41,030 --> 00:02:39,440

then it became very

71

00:02:43,270 --> 00:02:41,040

interesting to me

72

00:02:44,550 --> 00:02:43,280

nearing graduation and unsure of what

73

00:02:46,630 --> 00:02:44,560

she wanted to be

74

00:02:48,470 --> 00:02:46,640

dyson took her parents advice and made a

75

00:02:51,430 --> 00:02:48,480

list of things she liked

76  
00:02:53,589 --> 00:02:51,440  
being athletic studying science working

77  
00:02:54,630 --> 00:02:53,599  
with tools learning languages and

78  
00:02:56,150 --> 00:02:54,640  
cultures

79  
00:02:58,070 --> 00:02:56,160  
when i looked at that list and then i

80  
00:02:59,430 --> 00:02:58,080  
looked at what astronauts were were

81  
00:03:01,190 --> 00:02:59,440  
doing

82  
00:03:02,470 --> 00:03:01,200  
this seemed like a pretty good match and

83  
00:03:04,630 --> 00:03:02,480  
that was the

84  
00:03:07,030 --> 00:03:04,640  
diving board that i sprang from into

85  
00:03:08,869 --> 00:03:07,040  
college and graduate school and

86  
00:03:10,630 --> 00:03:08,879  
the path that i took

87  
00:03:13,030 --> 00:03:10,640  
dyson earned her bachelor's degree in

88  
00:03:15,030 --> 00:03:13,040

chemistry at california state university

89

00:03:17,110 --> 00:03:15,040

at fullerton where she was a sprinter

90

00:03:18,790 --> 00:03:17,120

and long jumper on the track team while

91

00:03:20,710 --> 00:03:18,800

working as an electrician for her

92

00:03:22,869 --> 00:03:20,720

father's contracting company

93

00:03:25,270 --> 00:03:22,879

she completed her doctorate in chemistry

94

00:03:27,270 --> 00:03:25,280

at the university of california at davis

95

00:03:29,270 --> 00:03:27,280

and won a postdoctoral fellowship in

96

00:03:32,309 --> 00:03:29,280

environmental science before being

97

00:03:34,149 --> 00:03:32,319

selected as an astronaut in 1998.

98

00:03:36,149 --> 00:03:34,159

she made her first space flight on the

99

00:03:38,309 --> 00:03:36,159

shuttle mission that delivered the s5

100

00:03:40,070 --> 00:03:38,319

truss to the international space station

101  
00:03:41,910 --> 00:03:40,080  
and thinks the planet would be in better

102  
00:03:42,949 --> 00:03:41,920  
shape if more people could make that

103  
00:03:45,030 --> 00:03:42,959  
trip

104  
00:03:46,789 --> 00:03:45,040  
you know you take the firmest believer

105  
00:03:50,710 --> 00:03:46,799  
in

106  
00:03:52,229 --> 00:03:50,720  
launch them and you tick them

107  
00:03:55,030 --> 00:03:52,239  
take them right in front of a window and

108  
00:03:56,550 --> 00:03:55,040  
have them look at that beautiful plump

109  
00:03:58,390 --> 00:03:56,560  
pink and blue planet

110  
00:04:02,070 --> 00:03:58,400  
as it turns from

111  
00:04:05,190 --> 00:04:02,080  
sunrise to sunset and

112  
00:04:07,270 --> 00:04:05,200  
they they'll change their mind

113  
00:04:09,750 --> 00:04:07,280

mikhail kornienko was born in the city

114

00:04:12,470 --> 00:04:09,760

of sijran on the volga river in western

115

00:04:15,270 --> 00:04:12,480

samara just a year before yuri gagarin

116

00:04:17,909 --> 00:04:15,280

space flight changed the world

117

00:04:19,110 --> 00:04:17,919

and then the space exploration was only

118

00:04:20,390 --> 00:04:19,120

starting

119

00:04:22,629 --> 00:04:20,400

and every

120

00:04:23,909 --> 00:04:22,639

young boy was dreaming of being a

121

00:04:25,990 --> 00:04:23,919

cosmonaut

122

00:04:29,110 --> 00:04:26,000

and i was not an exception

123

00:04:32,710 --> 00:04:29,120

especially because my father

124

00:04:34,710 --> 00:04:32,720

was a rescue helicopter pilot

125

00:04:37,030 --> 00:04:34,720

his father's military job took the

126

00:04:39,430 --> 00:04:37,040

family to yusuno yurolsk and when

127

00:04:42,070 --> 00:04:39,440

kornienko was six his father died in a

128

00:04:43,830 --> 00:04:42,080

helicopter crash during a rescue the

129

00:04:46,070 --> 00:04:43,840

young boy lived with his grandmother for

130

00:04:47,749 --> 00:04:46,080

a few years and then joined his mother

131

00:04:49,830 --> 00:04:47,759

and brother in chayabinsk when he

132

00:04:51,749 --> 00:04:49,840

started the seventh grade one year

133

00:05:08,310 --> 00:04:51,759

before he was old enough to enroll at

134

00:05:14,469 --> 00:05:11,189

young adults and we were studying

135

00:05:20,230 --> 00:05:17,510

and also we were allowed to

136

00:05:22,230 --> 00:05:20,240

do some parachute jumping

137

00:05:24,550 --> 00:05:22,240

after high school kornienko worked in a

138

00:05:27,670 --> 00:05:24,560

radio equipment plant before joining the

139

00:05:29,590 --> 00:05:27,680

soviet army and serving as a paratrooper

140

00:05:31,430 --> 00:05:29,600

then he joined the moscow militia or

141

00:05:34,230 --> 00:05:31,440

police force while studying at the

142

00:05:36,390 --> 00:05:34,240

moscow aviation institute he worked as a

143

00:05:38,469 --> 00:05:36,400

mechanical engineering designer before

144

00:05:40,710 --> 00:05:38,479

getting on at the baikonur cosmodrome as

145

00:05:43,029 --> 00:05:40,720

a launch equipment specialist where for

146

00:05:45,670 --> 00:05:43,039

a time he led the team responsible for

147

00:05:47,350 --> 00:05:45,680

servicing the buron spacecraft

148

00:05:49,590 --> 00:05:47,360

kornienko joined the rocket space

149

00:05:52,550 --> 00:05:49,600

corporation in nergia as an engineer in

150

00:05:55,749 --> 00:05:52,560

1995. he was selected for the cosmonaut

151

00:05:58,070 --> 00:05:55,759

corps in 1998 and has worked as an eva

152

00:06:01,909 --> 00:05:58,080

specialist while preparing for his first

153

00:06:01,919 --> 00:06:19,590

and of course we are going to colonize

154

00:06:25,909 --> 00:06:22,469

is that we do have to continue the space