



1
00:00:08,310 --> 00:00:03,669
station this is chris earl with kcrg tv

2
00:00:08,320 --> 00:00:17,750
i have you loud and clear chris

3
00:00:21,670 --> 00:00:20,070
mount air native peggy whitson is back

4
00:00:24,790 --> 00:00:21,680
in space on the international space

5
00:00:26,870 --> 00:00:24,800
station for expedition 50 51 will follow

6
00:00:29,189 --> 00:00:26,880
this launched back in late october her

7
00:00:30,950 --> 00:00:29,199
crew docked with the iss in mid-november

8
00:00:32,709 --> 00:00:30,960
and throughout the recent past we've

9
00:00:34,630 --> 00:00:32,719
caught up with peggy a handful of times

10
00:00:36,389 --> 00:00:34,640
as an iowa native to see what she's been

11
00:00:38,069 --> 00:00:36,399
seeing and experiencing as part of nasa

12
00:00:39,590 --> 00:00:38,079
in fact we last talked with her on the

13
00:00:41,910 --> 00:00:39,600

morning show exactly two months ago

14

00:00:43,510 --> 00:00:41,920

today here on kcrg tv 9. good morning

15

00:00:48,389 --> 00:00:43,520

peggy although again i suppose morning

16

00:00:52,549 --> 00:00:50,229

yeah it's actually getting to be

17

00:00:55,029 --> 00:00:52,559

afternoon late afternoon for me now i'm

18

00:00:59,270 --> 00:00:55,039

on greenwich meantime so it's six hours

19

00:01:03,830 --> 00:01:02,150

so a simple question to ask right away

20

00:01:06,310 --> 00:01:03,840

and i'm curious about this when you look

21

00:01:12,710 --> 00:01:06,320

outside of your window or the nearest

22

00:01:17,030 --> 00:01:15,190

well actually right now we are flying

23

00:01:20,230 --> 00:01:17,040

over the atlantic

24

00:01:22,710 --> 00:01:20,240

and uh coming up on western side of

25

00:01:24,630 --> 00:01:22,720

africa and actually

26

00:01:26,550 --> 00:01:24,640

flying over africa is really pretty

27

00:01:27,910 --> 00:01:26,560

especially the northern parts where the

28

00:01:29,990 --> 00:01:27,920

sahara is

29

00:01:32,789 --> 00:01:30,000

just because of the peach color that

30

00:01:35,030 --> 00:01:32,799

comes in reflected light off of

31

00:01:38,230 --> 00:01:35,040

off of the sands down there so it's

32

00:01:40,310 --> 00:01:38,240

actually very beautiful area to fly over

33

00:01:42,789 --> 00:01:40,320

but at any point in time because our

34

00:01:44,710 --> 00:01:42,799

planet is 80 percent water you you have

35

00:01:46,230 --> 00:01:44,720

an 80 chance of

36

00:01:48,630 --> 00:01:46,240

seeing water when you look out the

37

00:01:50,950 --> 00:01:48,640

window but the even the water and the

38

00:01:53,270 --> 00:01:50,960

clouds are actually very dramatic very

39

00:01:59,510 --> 00:01:53,280

beautiful and especially just seeing the

40

00:02:03,749 --> 00:02:01,429

i know you have months and months on

41

00:02:05,910 --> 00:02:03,759

this expedition what are two of the more

42

00:02:07,350 --> 00:02:05,920

notable scientific experiments and

43

00:02:11,670 --> 00:02:07,360

trials that you and the rest of the crew

44

00:02:16,229 --> 00:02:14,150

well one of the big experiments that i

45

00:02:19,589 --> 00:02:16,239

that i've already gotten started on is

46

00:02:20,869 --> 00:02:19,599

called packed bed reactor it's a way to

47

00:02:23,910 --> 00:02:20,879

separate

48

00:02:25,990 --> 00:02:23,920

gases and liquids in zero gravity

49

00:02:28,309 --> 00:02:26,000

that's important for us in understanding

50

00:02:30,630 --> 00:02:28,319

how to optimize and develop our fuel

51
00:02:32,550 --> 00:02:30,640
technologies and other

52
00:02:35,670 --> 00:02:32,560
gas liquid mixtures

53
00:02:37,990 --> 00:02:35,680
in future technologies in space but also

54
00:02:39,910 --> 00:02:38,000
just the basic science of understanding

55
00:02:41,670 --> 00:02:39,920
how systems work with the lack of

56
00:02:42,790 --> 00:02:41,680
gravity also helps us

57
00:02:45,110 --> 00:02:42,800
optimize

58
00:02:47,670 --> 00:02:45,120
systems in manufacturing on earth as

59
00:02:49,750 --> 00:02:47,680
well so that's one area that i'm

60
00:02:52,710 --> 00:02:49,760
interested in obviously being a

61
00:02:54,710 --> 00:02:52,720
biochemist i'm also interested in

62
00:02:55,750 --> 00:02:54,720
some of the studies looking at immune

63
00:02:57,830 --> 00:02:55,760

function

64

00:02:59,750 --> 00:02:57,840

or we're doing another very interesting

65

00:03:02,470 --> 00:02:59,760

one it's a collaborative international

66

00:03:04,550 --> 00:03:02,480

investigation where we're looking at how

67

00:03:06,710 --> 00:03:04,560

fluid shifts may affect

68

00:03:10,550 --> 00:03:06,720

how our eyes work

69

00:03:13,110 --> 00:03:10,560

because we've seen some damage

70

00:03:14,710 --> 00:03:13,120

to our eyes during space flight and so

71

00:03:16,869 --> 00:03:14,720

we're trying to better understand and

72

00:03:19,670 --> 00:03:16,879

characterize why sometimes it's

73

00:03:21,509 --> 00:03:19,680

reversible why sometimes it's not uh and

74

00:03:24,550 --> 00:03:21,519

just to understand that so we do a lot

75

00:03:27,830 --> 00:03:24,560

of interesting studies looking at things

76

00:03:33,910 --> 00:03:27,840

that might be contributing to

77

00:03:38,229 --> 00:03:36,070

peggy we've chronicled many of your

78

00:03:40,070 --> 00:03:38,239

expeditions your flights into space and

79

00:03:44,550 --> 00:03:40,080

i'm curious how did christmas treat you

80

00:03:48,070 --> 00:03:46,070

well this is actually my second

81

00:03:50,070 --> 00:03:48,080

christmas in space and we had a

82

00:03:53,030 --> 00:03:50,080

fantastic time actually

83

00:03:55,750 --> 00:03:53,040

uh on we we had our big christmas dinner

84

00:03:57,110 --> 00:03:55,760

on christmas eve and uh handed out our

85

00:03:58,630 --> 00:03:57,120

presents then

86

00:04:01,030 --> 00:03:58,640

uh but the one thing that we did that

87

00:04:02,789 --> 00:04:01,040

was probably the most fun is we had

88

00:04:05,110 --> 00:04:02,799

arranged shane and i had arranged to

89

00:04:07,509 --> 00:04:05,120

have some frosting brought up and so we

90

00:04:10,390 --> 00:04:07,519

did a cookie decorating contest and a

91

00:04:12,229 --> 00:04:10,400

friend of ours who is into decorating

92

00:04:14,789 --> 00:04:12,239

cakes and cookies on the ground was our

93

00:04:16,469 --> 00:04:14,799

judge and so we had a contest to see who

94

00:04:18,789 --> 00:04:16,479

could decorate the best cookies i think

95

00:04:20,229 --> 00:04:18,799

the the guys seem to be pretty into it

96

00:04:25,510 --> 00:04:20,239

but i think it's only because i made it

97

00:04:29,590 --> 00:04:27,909

and peggy i noted when we saw your

98

00:04:31,030 --> 00:04:29,600

christmas socks the red and the white

99

00:04:32,629 --> 00:04:31,040

ones from earlier i noted that they were

100

00:04:34,950 --> 00:04:32,639

out of this world possibly the worst

101
00:04:36,950 --> 00:04:34,960
joke that was told in iowa for today but

102
00:04:38,950 --> 00:04:36,960
we always appreciate your time and

103
00:04:40,870 --> 00:04:38,960
continued safe travels and we hope to

104
00:04:43,189 --> 00:04:40,880
catch up with you once you're back in a

105
00:04:47,110 --> 00:04:43,199
few months after expedition 51. thank

106
00:04:51,749 --> 00:04:49,510
thank you for your interest i'm happy

107
00:04:56,629 --> 00:04:51,759
that iowa is so interested in space

108
00:05:02,310 --> 00:04:59,270
station this is houston acr that

109
00:05:04,950 --> 00:05:02,320
concludes the kcrg tv portion of the

110
00:05:16,150 --> 00:05:04,960
event please stand by for a voice check

111
00:05:19,510 --> 00:05:17,830
it is a real honor to be able to touch

112
00:05:20,629 --> 00:05:19,520
base with the international space

113
00:05:22,310 --> 00:05:20,639

station and that's what we're doing

114

00:05:24,390 --> 00:05:22,320

right now visiting with commander shane

115

00:05:26,150 --> 00:05:24,400

kimbrough commander on the international

116

00:05:29,990 --> 00:05:26,160

space station commander thanks so much

117

00:05:30,000 --> 00:05:35,029

hey it's great to be with you today

118

00:05:38,150 --> 00:05:37,029

happy holidays to you and

119

00:05:40,790 --> 00:05:38,160

tell us a little bit about how you're

120

00:05:46,550 --> 00:05:40,800

spending this holiday season up at the

121

00:05:50,550 --> 00:05:48,469

well we had a nice weekend we got an

122

00:05:52,790 --> 00:05:50,560

extra day on monday we had monday off as

123

00:05:54,950 --> 00:05:52,800

well to celebrate the christmas holiday

124

00:05:57,430 --> 00:05:54,960

and what we did was shared it with our

125

00:05:59,430 --> 00:05:57,440

russian cosmonaut colleagues who

126

00:06:01,510 --> 00:05:59,440

their christmas isn't until january 7th

127

00:06:02,950 --> 00:06:01,520

so we had them down for a nice dinner on

128

00:06:04,390 --> 00:06:02,960

christmas eve

129

00:06:05,749 --> 00:06:04,400

we actually got some

130

00:06:07,110 --> 00:06:05,759

cookies out and showed them how to

131

00:06:08,870 --> 00:06:07,120

decorate christmas cookies and we

132

00:06:10,550 --> 00:06:08,880

actually had a contest with them they

133

00:06:12,629 --> 00:06:10,560

did very well actually they actually won

134

00:06:14,390 --> 00:06:12,639

the contest so they were very creative

135

00:06:16,950 --> 00:06:14,400

and we just watched some christmas

136

00:06:21,909 --> 00:06:16,960

movies got to call home and uh tried to

137

00:06:25,029 --> 00:06:23,510

there's no losers if it's a christmas

138

00:06:27,110 --> 00:06:25,039

cookies competition that's that's the

139

00:06:28,150 --> 00:06:27,120

good thing about that i'm sure it always

140

00:06:30,230 --> 00:06:28,160

ends well with everybody in their

141

00:06:32,230 --> 00:06:30,240

christmas cookies but uh

142

00:06:34,150 --> 00:06:32,240

i'm sure a long way away from your

143

00:06:39,350 --> 00:06:34,160

hometown of killeen to be up in outer

144

00:06:42,710 --> 00:06:40,790

yeah i had the good fortune of being

145

00:06:44,629 --> 00:06:42,720

born at uh fort hood

146

00:06:45,909 --> 00:06:44,639

so right next to colleen and

147

00:06:48,070 --> 00:06:45,919

unfortunately i didn't live there very

148

00:06:50,629 --> 00:06:48,080

long because my dad got stationed to

149

00:06:52,870 --> 00:06:50,639

oklahoma shortly after i was born but

150

00:06:55,350 --> 00:06:52,880

that is where i was born i really grew

151
00:07:00,230 --> 00:06:55,360
up in the atlanta area from most of my

152
00:07:03,029 --> 00:07:01,830
tell us about the uh the mission right

153
00:07:07,749 --> 00:07:03,039
now that you're on up there at the

154
00:07:11,189 --> 00:07:09,110
well we're on uh what's called

155
00:07:12,550 --> 00:07:11,199
expedition 50 right now so we're proud

156
00:07:14,309 --> 00:07:12,560
to be part of that

157
00:07:16,070 --> 00:07:14,319
my crewmates are amazing we've been

158
00:07:18,550 --> 00:07:16,080
really doing a lot of great work a lot

159
00:07:20,550 --> 00:07:18,560
of science a lot of research

160
00:07:22,469 --> 00:07:20,560
we're now kind of shifting gears we're

161
00:07:24,710 --> 00:07:22,479
getting ready for two spacewalks that

162
00:07:26,230 --> 00:07:24,720
are coming up on january 6th and january

163
00:07:27,909 --> 00:07:26,240

13th so

164

00:07:30,710 --> 00:07:27,919

starting this week we're really getting

165

00:07:32,469 --> 00:07:30,720

focused on those events it's always a

166

00:07:34,469 --> 00:07:32,479

big deal when you send people outside in

167

00:07:37,270 --> 00:07:34,479

space so we're going to be prepared and

168

00:07:41,189 --> 00:07:37,280

ready and to go on january 6 and the

169

00:07:44,710 --> 00:07:43,270

i would imagine and i don't think that's

170

00:07:47,990 --> 00:07:44,720

something most of us down here think

171

00:07:49,990 --> 00:07:48,000

about the prep work for that walk

172

00:07:51,990 --> 00:07:50,000

outside in outer space

173

00:07:54,230 --> 00:07:52,000

to make sure that everyone's safe but

174

00:08:00,150 --> 00:07:54,240

also that that time is maximized and the

175

00:08:03,909 --> 00:08:01,909

yeah that's a great point and we have

176

00:08:05,749 --> 00:08:03,919

such a great team on the ground in

177

00:08:07,510 --> 00:08:05,759

houston that's uh that has prepared us

178

00:08:09,430 --> 00:08:07,520

before we left and then now that we're

179

00:08:11,110 --> 00:08:09,440

up here we're going to have conferences

180

00:08:13,189 --> 00:08:11,120

with those folks still they're sending

181

00:08:14,710 --> 00:08:13,199

us up procedures every day to get our

182

00:08:16,550 --> 00:08:14,720

spacesuits ready i was working on the

183

00:08:18,710 --> 00:08:16,560

spacesuits today

184

00:08:21,029 --> 00:08:18,720

getting them ready to go and we'll have

185

00:08:22,629 --> 00:08:21,039

procedure reviews and many things like

186

00:08:24,629 --> 00:08:22,639

you mentioned just to make sure first of

187

00:08:26,629 --> 00:08:24,639

all that we are safe but then that we do

188

00:08:31,189 --> 00:08:26,639

maximize that time that we're outside to

189

00:08:35,509 --> 00:08:33,110

once again those spacewalks coming up on

190

00:08:36,870 --> 00:08:35,519

january 6 and january 13th and then

191

00:08:38,389 --> 00:08:36,880

commander how long

192

00:08:42,469 --> 00:08:38,399

will your mission at the space station

193

00:08:46,150 --> 00:08:44,310

we're currently uh scheduled to land at

194

00:08:48,150 --> 00:08:46,160

the end of february early march time

195

00:08:50,550 --> 00:08:48,160

frame so we'll see how that goes that's

196

00:08:52,870 --> 00:08:50,560

me and my two russian crewmates

197

00:08:54,550 --> 00:08:52,880

um the other three crew members that are

198

00:08:56,470 --> 00:08:54,560

up here a french astronaut american

199

00:08:58,150 --> 00:08:56,480

astronaut and a russian astronaut they

200

00:09:00,550 --> 00:08:58,160

got here about a month after we did so

201
00:09:04,630 --> 00:09:00,560
they're scheduled to land in the uh may

202
00:09:08,070 --> 00:09:06,630
wonderful well again commander shane

203
00:09:10,470 --> 00:09:08,080
kimbrough we really appreciate you

204
00:09:12,150 --> 00:09:10,480
taking some time to visit with us uh

205
00:09:13,990 --> 00:09:12,160
happy holidays and hope uh there's a

206
00:09:15,509 --> 00:09:14,000
couple spare christmas cookies from the

207
00:09:19,750 --> 00:09:15,519
cookie party that you get to munch on

208
00:09:23,670 --> 00:09:22,230
yeah we will thanks for having me and it

209
00:09:27,190 --> 00:09:23,680
was great talking to you happy holidays

210
00:09:30,310 --> 00:09:28,150
wonderful

211
00:09:32,630 --> 00:09:30,320
thank you