



1  
00:00:00,000 --> 00:00:22,630  
foreign

2  
00:00:22,640 --> 00:00:46,549  
food

3  
00:00:46,559 --> 00:01:41,429  
so

4  
00:01:45,910 --> 00:01:43,670  
good morning everyone

5  
00:01:48,910 --> 00:01:45,920  
welcome once again to the smithsonian

6  
00:01:50,950 --> 00:01:48,920  
national air and space museum stephen f

7  
00:01:53,109 --> 00:01:50,960  
udvar-hazy center

8  
00:01:55,910 --> 00:01:53,119  
here in virginia we are very pleased to

9  
00:01:58,389 --> 00:01:55,920  
be here today my name is michael curie

10  
00:02:01,749 --> 00:01:58,399  
i'm with nasa's office of communications

11  
00:02:03,670 --> 00:02:01,759  
and i wanted to be here today as in part

12  
00:02:05,670 --> 00:02:03,680  
because i had the honor and privilege to

13  
00:02:07,510 --> 00:02:05,680

do the launch countdown

14

00:02:09,669 --> 00:02:07,520  
on the final flight of space shuttle

15

00:02:11,430 --> 00:02:09,679  
discovery sts-133

16

00:02:13,190 --> 00:02:11,440  
in february of

17

00:02:15,190 --> 00:02:13,200  
2011.

18

00:02:17,030 --> 00:02:15,200  
and at the time we thought

19

00:02:19,830 --> 00:02:17,040  
final mission of discovery but it turns

20

00:02:21,830 --> 00:02:19,840  
out we were wrong the mission continues

21

00:02:22,949 --> 00:02:21,840  
it's a new mission it's a very important

22

00:02:26,869 --> 00:02:22,959  
mission

23

00:02:28,630 --> 00:02:26,879  
with the beginning of the welcome

24

00:02:31,190 --> 00:02:28,640  
discovery festival

25

00:02:32,790 --> 00:02:31,200  
which we are doing here today and so

26  
00:02:34,470 --> 00:02:32,800  
thank you very much for your attendance

27  
00:02:36,070 --> 00:02:34,480  
and i would like to ask for your

28  
00:02:38,150 --> 00:02:36,080  
assistance

29  
00:02:41,030 --> 00:02:38,160  
and join me in counting down

30  
00:02:42,630 --> 00:02:41,040  
to today's launch of discovery

31  
00:02:43,990 --> 00:02:42,640  
are we ready

32  
00:02:46,309 --> 00:02:44,000  
okay

33  
00:02:47,509 --> 00:02:46,319  
t minus ten

34  
00:02:48,830 --> 00:02:47,519  
nine

35  
00:02:50,949 --> 00:02:48,840  
eight

36  
00:02:51,910 --> 00:02:50,959  
seven six

37  
00:02:53,030 --> 00:02:51,920  
five

38  
00:02:54,150 --> 00:02:53,040

four

39

00:02:55,270 --> 00:02:54,160

three

40

00:02:57,670 --> 00:02:55,280

two

41

00:02:57,680 --> 00:03:01,509

and lift off

42

00:03:05,110 --> 00:03:03,830

watching space shuttle discovery on her

43

00:03:07,830 --> 00:03:05,120

new mission

44

00:03:14,710 --> 00:03:07,840

to educate and inspire generations of

45

00:03:23,270 --> 00:03:16,949

this is truly an exciting day

46

00:03:27,430 --> 00:03:25,830

and as we prepare to welcome discovery

47

00:03:29,750 --> 00:03:27,440

all of you who are space shuttle

48

00:03:31,750 --> 00:03:29,760

veterans know that the arrival of each

49

00:03:34,470 --> 00:03:31,760

space shuttle back home

50

00:03:36,309 --> 00:03:34,480

is heralded by the sound of twin sonic

51  
00:03:38,550 --> 00:03:36,319  
booms

52  
00:03:39,670 --> 00:03:38,560  
so as discovery arrives at her new home

53  
00:03:42,309 --> 00:03:39,680  
we would like for you to listen

54  
00:04:31,350 --> 00:03:42,319  
carefully for the sonic booms

55  
00:08:47,829 --> 00:05:14,790  
so

56  
00:08:47,839 --> 00:09:28,150  
do

57  
00:09:28,160 --> 00:11:08,949  
so

58  
00:11:08,959 --> 00:11:17,110  
right

59  
00:11:21,110 --> 00:11:18,630  
ladies and gentlemen

60  
00:11:46,069 --> 00:11:21,120  
please welcome our distinguished panel

61  
00:11:46,079 --> 00:12:08,629  
okay

62  
00:12:08,639 --> 00:12:18,310  
this

63  
00:12:22,710 --> 00:12:20,949

ladies and gentlemen please rise for the

64

00:12:25,430 --> 00:12:22,720

presentation of the colors and the

65

00:13:57,990 --> 00:12:25,440

singing of our national anthem by miss

66

00:13:58,000 --> 00:14:13,829

foreign

67

00:14:19,990 --> 00:14:16,790

what's so proud

68

00:14:27,189 --> 00:14:21,710

are the

69

00:14:31,870 --> 00:14:28,829

whose broad

70

00:14:35,790 --> 00:14:31,880

stripes and bright

71

00:14:39,189 --> 00:14:35,800

stars through the

72

00:14:41,590 --> 00:14:39,199

perilous fight

73

00:14:42,829 --> 00:14:41,600

or the

74

00:14:45,110 --> 00:14:42,839

what

75

00:14:48,550 --> 00:14:45,120

we watched

76

00:14:52,310 --> 00:14:48,560

were so godly

77

00:14:52,320 --> 00:15:00,870

on the rocky

78

00:15:00,880 --> 00:15:24,790

is

79

00:15:24,800 --> 00:15:35,110

i

80

00:16:03,350 --> 00:15:40,150

the

81

00:16:05,110 --> 00:16:03,360

is unique flanked by two marine riflemen

82

00:16:06,710 --> 00:16:05,120

the color sergeant of the marine corps

83

00:16:09,110 --> 00:16:06,720

sergeant timothy sprader of florence

84

00:16:11,269 --> 00:16:09,120

kentucky carries our national flag while

85

00:16:13,189 --> 00:16:11,279

the non-commissioned officer to his left

86

00:16:14,629 --> 00:16:13,199

carries the official battle color of the

87

00:16:16,629 --> 00:16:14,639

marine corps

88

00:16:18,310 --> 00:16:16,639

the 54 streamers and silver bands

89

00:16:20,230 --> 00:16:18,320

displayed with the battle color

90

00:16:22,470 --> 00:16:20,240

commemorate the military campaigns in

91

00:16:24,629 --> 00:16:22,480

which marines have participated they

92

00:16:26,230 --> 00:16:24,639

span the entire history of our nation

93

00:16:28,949 --> 00:16:26,240

from the revolutionary war to the

94

00:16:31,749 --> 00:16:28,959

present decorated with palms oak leaf

95

00:16:34,550 --> 00:16:31,759

clusters and stars they represent over

96

00:16:37,110 --> 00:16:34,560

400 awards and campaigns of the united

97

00:16:39,350 --> 00:16:37,120

states marines it is the privilege of

98

00:16:41,829 --> 00:16:39,360

marine barracks washington d.c the

99

00:16:54,470 --> 00:16:41,839

oldest post of the corps to be entrusted

100

00:16:54,480 --> 00:17:30,950

do

101  
00:17:30,960 --> 00:17:47,110  
foreign

102  
00:17:47,120 --> 00:17:54,150  
ladies and gentlemen please be seated

103  
00:17:58,150 --> 00:17:56,310  
in honor of today's historic event we

104  
00:18:00,390 --> 00:17:58,160  
would like to recognize the dedication

105  
00:18:01,909 --> 00:18:00,400  
and patriotism of all branches of our

106  
00:18:04,150 --> 00:18:01,919  
armed services

107  
00:18:06,950 --> 00:18:04,160  
once your service song is played please

108  
00:18:10,150 --> 00:18:06,960  
feel free to stand and be recognized we

109  
00:18:12,470 --> 00:18:10,160  
are proud to present armed forces salute

110  
00:18:14,870 --> 00:18:12,480  
ladies and gentlemen here is once again

111  
00:18:35,110 --> 00:18:14,880  
the commandant zone the united states

112  
00:18:35,120 --> 00:18:43,350  
mm-hmm

113  
00:18:43,360 --> 00:19:44,549

foreign

114

00:19:44,559 --> 00:21:28,390

do

115

00:21:28,400 --> 00:22:02,789

foreign

116

00:22:02,799 --> 00:22:12,470

so

117

00:22:12,480 --> 00:22:53,510

um

118

00:22:59,350 --> 00:22:56,149

ladies and gentlemen the commandant zone

119

00:23:10,070 --> 00:22:59,360

the united states marine drum and bugle

120

00:23:10,080 --> 00:24:12,630

time

121

00:24:12,640 --> 00:24:30,789

so

122

00:24:34,950 --> 00:24:32,950

ladies and gentlemen please welcome the

123

00:24:36,789 --> 00:24:34,960

director of the smithsonian's national

124

00:24:47,909 --> 00:24:36,799

air and space museum

125

00:24:53,350 --> 00:24:50,230

well if your blood's not moving now let

126  
00:24:55,990 --> 00:24:53,360  
me know and i'll send a gurney for you

127  
00:24:58,149 --> 00:24:56,000  
how about another hand for the

128  
00:24:58,870 --> 00:24:58,159  
tremendous performances we've had here

129  
00:25:00,549 --> 00:24:58,880  
by

130  
00:25:02,149 --> 00:25:00,559  
miss denise graves

131  
00:25:03,430 --> 00:25:02,159  
the marine drummond vehicle corps and

132  
00:25:12,149 --> 00:25:03,440  
the color guard of the united states

133  
00:25:15,430 --> 00:25:13,830  
well good morning and it's my honor to

134  
00:25:17,430 --> 00:25:15,440  
welcome you to the stephen f woodrow

135  
00:25:18,870 --> 00:25:17,440  
housing center we're going to say that a

136  
00:25:20,789 --> 00:25:18,880  
lot today because we want you to learn

137  
00:25:23,190 --> 00:25:20,799  
how to pronounce it

138  
00:25:25,830 --> 00:25:23,200

this is the most mispronounced name of

139

00:25:27,990 --> 00:25:25,840

any uh smithsonian facility

140

00:25:29,990 --> 00:25:28,000

so but we're delighted to have you here

141

00:25:32,549 --> 00:25:30,000

today to transfer the space shuttle

142

00:25:37,269 --> 00:25:32,559

discovery into america's collection of

143

00:25:40,950 --> 00:25:38,710

it's great to see such a large

144

00:25:42,789 --> 00:25:40,960

enthusiastic crowd and many of you have

145

00:25:43,909 --> 00:25:42,799

been standing for several hours and we

146

00:25:46,070 --> 00:25:43,919

realize that and we're going to keep

147

00:25:48,070 --> 00:25:46,080

this program moving

148

00:25:51,590 --> 00:25:48,080

but i hope that the memories you take

149

00:25:54,830 --> 00:25:51,600

from today will make it all worthwhile

150

00:25:57,430 --> 00:25:54,840

the stephen f udrahzee center opened in

151  
00:25:59,350 --> 00:25:57,440  
2003 in recognition of the wright

152  
00:26:03,190 --> 00:25:59,360  
brothers history making accomplishments

153  
00:26:04,549 --> 00:26:03,200  
at kitty hawk a century before

154  
00:26:06,390 --> 00:26:04,559  
the wright flyer is one of the most

155  
00:26:09,350 --> 00:26:06,400  
iconic aircraft in the museum's

156  
00:26:13,830 --> 00:26:12,070  
and today we will welcome another

157  
00:26:16,710 --> 00:26:13,840  
another treasure one that represents

158  
00:26:18,870 --> 00:26:16,720  
30-year history of the shuttle program

159  
00:26:20,789 --> 00:26:18,880  
and a symbol of the triumphs of human

160  
00:26:25,590 --> 00:26:20,799  
space flight

161  
00:26:26,789 --> 00:26:25,600  
result of determination ingenuity

162  
00:26:29,269 --> 00:26:26,799  
courage

163  
00:26:31,510 --> 00:26:29,279

creativity skill

164

00:26:32,470 --> 00:26:31,520

and that unique quality that we all

165

00:26:34,789 --> 00:26:32,480

share

166

00:26:36,630 --> 00:26:34,799

the american spirit

167

00:26:39,190 --> 00:26:36,640

for every major milestone in space

168

00:26:40,549 --> 00:26:39,200

history americans have participated in

169

00:26:43,430 --> 00:26:40,559

the excitement

170

00:26:45,750 --> 00:26:43,440

pride and optimism of the occasion and

171

00:26:48,470 --> 00:26:45,760

today is no different

172

00:26:50,230 --> 00:26:48,480

since 1960 nasa and the smithsonian have

173

00:26:53,029 --> 00:26:50,240

worked together to make space objects

174

00:26:56,149 --> 00:26:53,039

accessible to the public discovery is

175

00:26:57,830 --> 00:26:56,159

the latest example of this collaboration

176  
00:27:00,230 --> 00:26:57,840  
on behalf of the national air and space

177  
00:27:02,630 --> 00:27:00,240  
museum and the american people

178  
00:27:04,070 --> 00:27:02,640  
i am grateful to nasa for its continuing

179  
00:27:12,630 --> 00:27:04,080  
generosity

180  
00:27:17,430 --> 00:27:15,190  
without private support

181  
00:27:19,510 --> 00:27:17,440  
the museum would not be able to present

182  
00:27:21,430 --> 00:27:19,520  
exhibitions and programs

183  
00:27:23,269 --> 00:27:21,440  
today's ceremony was made possible

184  
00:27:24,789 --> 00:27:23,279  
through the generous support of the

185  
00:27:32,830 --> 00:27:24,799  
boeing company

186  
00:27:36,870 --> 00:27:34,950  
opportunity to set the stage for the

187  
00:27:39,830 --> 00:27:36,880  
celebration i would like to introduce a

188  
00:27:41,350 --> 00:27:39,840

short video produced by nasa

189

00:27:42,549 --> 00:27:41,360

please turn your attention to the

190

00:27:54,149 --> 00:27:42,559

screens for

191

00:27:59,110 --> 00:27:56,470

the space shuttle discovery named for

192

00:28:01,110 --> 00:27:59,120

past ships of exploration was delivered

193

00:28:03,350 --> 00:28:01,120

from its palmdale california shuttle

194

00:28:05,909 --> 00:28:03,360

factory to nasa's kennedy space center

195

00:28:08,149 --> 00:28:05,919

in november 1983.

196

00:28:10,549 --> 00:28:08,159

since then discovery has lived up to the

197

00:28:12,549 --> 00:28:10,559

historic legacy of its name

198

00:28:14,070 --> 00:28:12,559

it flew to space more times than any

199

00:28:16,470 --> 00:28:14,080

other spacecraft

200

00:28:19,110 --> 00:28:16,480

in orbit it released a telescope to

201  
00:28:20,789 --> 00:28:19,120  
probe the universe and a spacecraft to

202  
00:28:22,630 --> 00:28:20,799  
explore the sun

203  
00:28:24,950 --> 00:28:22,640  
it carried laboratories to study

204  
00:28:27,350 --> 00:28:24,960  
weightlessness and instruments to study

205  
00:28:29,510 --> 00:28:27,360  
the earth and its atmosphere

206  
00:28:31,590 --> 00:28:29,520  
early in its career discovery became the

207  
00:28:41,830 --> 00:28:31,600  
first spacecraft to bring a satellite

208  
00:28:46,470 --> 00:28:43,830  
but perhaps even more compelling than

209  
00:28:48,230 --> 00:28:46,480  
the discoveries that enabled in space is

210  
00:28:54,470 --> 00:28:48,240  
the spirit this vehicle has helped

211  
00:28:58,070 --> 00:28:56,070  
its missions include flights that

212  
00:29:00,310 --> 00:28:58,080  
showcased how one-time cold war

213  
00:29:02,070 --> 00:29:00,320

adversaries can become long-term friends

214

00:29:03,830 --> 00:29:02,080

for exploration

215

00:29:06,789 --> 00:29:03,840

its flights further expanded space

216

00:29:07,990 --> 00:29:06,799

travel beyond boundaries of age gender

217

00:29:10,149 --> 00:29:08,000

and race

218

00:29:12,549 --> 00:29:10,159

counting among those who flew on it the

219

00:29:14,310 --> 00:29:12,559

oldest astronaut the first female

220

00:29:16,870 --> 00:29:14,320

shuttle pilot and the first

221

00:29:19,430 --> 00:29:16,880

african-american space walker

222

00:29:21,269 --> 00:29:19,440

but above all discovery twice proved

223

00:29:23,430 --> 00:29:21,279

that america had the will and the

224

00:29:25,510 --> 00:29:23,440

determination to persevere

225

00:29:27,190 --> 00:29:25,520

and succeed in the face of devastating

226

00:29:29,669 --> 00:29:27,200

grief and tragedy

227

00:29:34,870 --> 00:29:29,679

returning america to space after the

228

00:29:40,070 --> 00:29:37,029

discovery is the most accomplished space

229

00:29:42,789 --> 00:29:40,080

shuttle ever amounting to over 5 000

230

00:29:57,830 --> 00:29:42,799

trips around the earth and more than 300

231

00:30:01,990 --> 00:29:59,990

although it is impossible to recognize

232

00:30:04,710 --> 00:30:02,000

the thousands of people by name who

233

00:30:06,950 --> 00:30:04,720

contributed to discovery's achievements

234

00:30:09,269 --> 00:30:06,960

we are honored to have 15 of the 32

235

00:30:10,950 --> 00:30:09,279

commanders of discovery who are here on

236

00:30:13,110 --> 00:30:10,960

stage

237

00:30:15,430 --> 00:30:13,120

we have bo bobco

238

00:30:18,630 --> 00:30:15,440

whose 1985 mission delivered two

239

00:30:21,029 --> 00:30:18,640

communication satellites into orbit

240

00:30:22,789 --> 00:30:21,039

joe engel whose crew delivered three

241

00:30:25,750 --> 00:30:22,799

satellites and retrieved repaired

242

00:30:28,470 --> 00:30:27,190

okay now if you're gonna cheer for one

243

00:30:29,190 --> 00:30:28,480

of them you have to cheer for all of

244

00:30:30,470 --> 00:30:29,200

them

245

00:30:32,470 --> 00:30:30,480

you ready

246

00:30:37,830 --> 00:30:32,480

okay mike coats

247

00:30:42,549 --> 00:30:40,230

once as a pilot and twice as commander

248

00:30:43,669 --> 00:30:42,559

and now is director of the johnson space

249

00:30:47,590 --> 00:30:43,679

center

250

00:30:53,110 --> 00:30:50,470

commanded a classified mission

251

00:30:59,029 --> 00:30:53,120

remember the instructions guys

252

00:31:05,750 --> 00:31:00,549

you can tell an astronaut but you can't

253

00:31:09,190 --> 00:31:07,110

bob cabana

254

00:31:10,070 --> 00:31:09,200

now director of nasa's kennedy space

255

00:31:11,750 --> 00:31:10,080

center

256

00:31:14,149 --> 00:31:11,760

served on another discovery national

257

00:31:16,310 --> 00:31:14,159

security mission

258

00:31:18,310 --> 00:31:16,320

ken cameron

259

00:31:20,310 --> 00:31:18,320

and crew conducted a scientific mission

260

00:31:25,750 --> 00:31:20,320

to planet earth that studied the

261

00:31:29,909 --> 00:31:28,310

got to get these pages here

262

00:31:32,470 --> 00:31:29,919

that's what moisture does for you on a

263

00:31:33,990 --> 00:31:32,480

nice morning like this

264

00:31:37,190 --> 00:31:34,000

well the rest of you guys just stand up

265

00:31:41,110 --> 00:31:39,509

frank culberson

266

00:31:42,630 --> 00:31:41,120

commanded a mission that delivered a

267

00:31:45,990 --> 00:31:42,640

communications satellite and did

268

00:31:47,830 --> 00:31:46,000

astrophysics research

269

00:31:50,070 --> 00:31:47,840

charlie bolden

270

00:31:52,630 --> 00:31:50,080

now administrator of nasa and commanded

271

00:31:54,230 --> 00:31:52,640

a mission with a scientific laboratory

272

00:31:57,509 --> 00:31:54,240

on board

273

00:32:01,830 --> 00:31:59,830

kurt brown the only person to command

274

00:32:06,630 --> 00:32:01,840

three discovery missions including one

275

00:32:10,630 --> 00:32:08,630

charlie precourt

276

00:32:14,070 --> 00:32:10,640

led the ninth and final docking with

277

00:32:16,470 --> 00:32:14,080

russia's mir space station

278

00:32:18,470 --> 00:32:16,480

doc horowitz completed the first docking

279

00:32:22,070 --> 00:32:18,480

and crew exchange with the international

280

00:32:22,080 --> 00:32:29,830

eileen collins flew

281

00:32:33,669 --> 00:32:31,909

flew two missions on discovery first as

282

00:32:36,230 --> 00:32:33,679

pilot and then as return to flight

283

00:32:42,710 --> 00:32:36,240

commander to the space station

284

00:32:46,149 --> 00:32:44,630

who commanded discovery twice on

285

00:32:48,389 --> 00:32:46,159

missions to the space station and

286

00:32:50,710 --> 00:32:48,399

brought it home from its final

287

00:32:53,029 --> 00:32:50,720

unassisted flight

288

00:32:56,070 --> 00:32:53,039

get it

289

00:32:57,830 --> 00:32:56,080

work on that one

290

00:32:59,110 --> 00:32:57,840

cj sterko

291

00:33:02,389 --> 00:32:59,120

and

292

00:33:04,310 --> 00:33:02,399

delivered a massive amount of equipment

293

00:33:06,310 --> 00:33:04,320

to the space station

294

00:33:11,830 --> 00:33:06,320

alan poindexter and crew on the space

295

00:33:17,590 --> 00:33:14,070

became the largest contingent ever in

296

00:33:19,590 --> 00:33:17,600

space at one time 13 people

297

00:33:21,029 --> 00:33:19,600

and also with us 13 more shuttle

298

00:33:27,430 --> 00:33:21,039

astronauts

299

00:33:27,440 --> 00:33:31,269

don williams

300

00:33:31,279 --> 00:33:34,789

joe allen

301  
00:33:34,799 --> 00:33:38,230  
chris ferguson

302  
00:33:38,240 --> 00:33:41,350  
patrick forrester

303  
00:33:41,360 --> 00:33:44,549  
john brunsville

304  
00:33:44,559 --> 00:33:48,870  
tom jones

305  
00:33:48,880 --> 00:33:52,789  
janet cambodia

306  
00:33:52,799 --> 00:33:58,710  
leland melvin

307  
00:33:58,720 --> 00:34:05,190  
paolo nespoli

308  
00:34:05,200 --> 00:34:10,470  
ken reiter

309  
00:34:10,480 --> 00:34:14,629  
steve robinson

310  
00:34:14,639 --> 00:34:20,310  
kt thornton

311  
00:34:25,750 --> 00:34:23,430  
and now last but not least

312  
00:34:39,430 --> 00:34:25,760  
payload specialist 2

313  
00:34:44,710 --> 00:34:42,869

this is this is one of the greatest

314

00:34:53,990 --> 00:34:44,720

gatherings of astronauts probably in the

315

00:34:54,000 --> 00:34:57,030

the um

316

00:35:01,030 --> 00:34:58,550

the things the things that they have to

317

00:35:05,510 --> 00:35:01,040

do to become an astronaut are incredible

318

00:35:08,950 --> 00:35:07,109

this is target i thought it's going to

319

00:35:11,589 --> 00:35:08,960

be the when you're a commander you're

320

00:35:13,670 --> 00:35:11,599

you're the top of the bunch and and

321

00:35:15,589 --> 00:35:13,680

we're here we're seeing today but this

322

00:35:17,349 --> 00:35:15,599

is only a handful of the incredible

323

00:35:19,190 --> 00:35:17,359

people in nasa who are

324

00:35:21,589 --> 00:35:19,200

risking their lives every day in space

325

00:35:24,069 --> 00:35:21,599

and developing new capabilities to get

326

00:35:25,910 --> 00:35:24,079

there it's it's just you're experiencing

327

00:35:26,950 --> 00:35:25,920

something

328

00:35:28,470 --> 00:35:26,960

you won't

329

00:35:30,390 --> 00:35:28,480

it's not only these airplanes you're not

330

00:35:31,270 --> 00:35:30,400

going to see this again either and i'm

331

00:35:34,390 --> 00:35:31,280

going to get on something i know

332

00:35:38,550 --> 00:35:36,790

2012 is the 100th anniversary of marine

333

00:35:39,829 --> 00:35:38,560

corps aviation

334

00:35:41,990 --> 00:35:39,839

you're going to see and we're going to

335

00:35:44,390 --> 00:35:42,000

celebrate that here this entire year and

336

00:35:45,109 --> 00:35:44,400

you'll see threads of it as evidenced by

337

00:35:47,510 --> 00:35:45,119

the

338

00:35:48,230 --> 00:35:47,520

marine gentleman google core

339

00:35:50,150 --> 00:35:48,240

and

340

00:35:51,910 --> 00:35:50,160

you're going to see more of it right now

341

00:35:54,069 --> 00:35:51,920

because prior to becoming an astronaut

342

00:35:56,230 --> 00:35:54,079

and traveling in four orbits into orbit

343

00:35:57,750 --> 00:35:56,240

four times he was a distinguished

344

00:35:59,829 --> 00:35:57,760

aviator who served in the marine corps

345

00:36:01,430 --> 00:35:59,839

36 35 years

346

00:36:02,950 --> 00:36:01,440

and it's my pleasure to introduce the

347

00:36:04,470 --> 00:36:02,960

administrator of the national air and

348

00:36:09,470 --> 00:36:04,480

space administration

349

00:36:15,990 --> 00:36:09,480

major general usmc retired charlie

350

00:36:18,950 --> 00:36:17,829

thank you all very much general daly

351

00:36:21,190 --> 00:36:18,960

thank you very much for that kind

352

00:36:23,190 --> 00:36:21,200

introduction secretary clough

353

00:36:25,750 --> 00:36:23,200

senator glenn

354

00:36:27,829 --> 00:36:25,760

ms cordova and of course to my amazing

355

00:36:30,069 --> 00:36:27,839

colleagues who flew this incredible

356

00:36:31,030 --> 00:36:30,079

machine and others in the shuttle fleet

357

00:36:32,470 --> 00:36:31,040

thank you so much for the

358

00:36:34,150 --> 00:36:32,480

accomplishments you've given to our

359

00:36:35,829 --> 00:36:34,160

country and let me take a moment there's

360

00:36:38,150 --> 00:36:35,839

a group of people standing to my left

361

00:36:39,670 --> 00:36:38,160

your right that have on these uh see the

362

00:36:41,030 --> 00:36:39,680

lady waving the flag for those of you in

363

00:36:42,790 --> 00:36:41,040

the back you may not see it but they'll

364

00:36:45,829 --> 00:36:42,800

put it up on the screen hopefully

365

00:36:48,150 --> 00:36:45,839

they're wearing these iridescent green

366

00:36:50,630 --> 00:36:48,160

safety jackets and stuff they're part of

367

00:36:52,710 --> 00:36:50,640

the incredible crew of people

368

00:36:54,870 --> 00:36:52,720

who make it possible for us to do what

369

00:36:57,670 --> 00:36:54,880

we do they represent

370

00:37:00,230 --> 00:36:57,680

united space alliance boeing lockheed

371

00:37:17,190 --> 00:37:00,240

you know you name it it's the entire

372

00:37:20,790 --> 00:37:19,190

and i will tell you if you want to meet

373

00:37:23,030 --> 00:37:20,800

some incredible people and shake their

374

00:37:25,109 --> 00:37:23,040

hands and and get some stories about

375

00:37:28,390 --> 00:37:25,119

where the skeletons are headed

376

00:37:29,910 --> 00:37:28,400

uh you can talk to that crowd it it's my

377

00:37:32,150 --> 00:37:29,920

pleasure to be here today to welcome

378

00:37:34,790 --> 00:37:32,160

discovery to her new home and open the

379

00:37:36,710 --> 00:37:34,800

next chapter of her historic life

380

00:37:38,870 --> 00:37:36,720

i welcome all of you here today to share

381

00:37:40,950 --> 00:37:38,880

in the accomplishments of discovery and

382

00:37:43,430 --> 00:37:40,960

the fleet of which she was a part as we

383

00:37:44,550 --> 00:37:43,440

look forward to the future which she has

384

00:37:46,069 --> 00:37:44,560

led us

385

00:37:47,829 --> 00:37:46,079

the space shuttle program gave this

386

00:37:48,950 --> 00:37:47,839

country many firsts and many proud

387

00:37:51,030 --> 00:37:48,960

moments

388

00:37:53,109 --> 00:37:51,040

it drew this nation together in times of

389

00:37:54,790 --> 00:37:53,119

tragedy and triumph

390

00:37:56,390 --> 00:37:54,800

we're now happy to share this legacy

391

00:37:59,349 --> 00:37:56,400

with millions of visitors in this

392

00:38:01,990 --> 00:37:59,359

fantastic venue alongside other historic

393

00:38:04,470 --> 00:38:02,000

air and spacecraft that have changed our

394

00:38:07,670 --> 00:38:04,480

world and helped us turn science fiction

395

00:38:10,710 --> 00:38:07,680

into science fact and realize that what

396

00:38:13,430 --> 00:38:10,720

seemed to many impossible dreams

397

00:38:17,589 --> 00:38:13,440

from her first flight in 1984 discovery

398

00:38:18,750 --> 00:38:17,599

flew 39 missions spent 365 days in space

399

00:38:22,349 --> 00:38:18,760

orbited earth

400

00:38:25,390 --> 00:38:22,359

5830 times and travel get this

401  
00:38:27,750 --> 00:38:25,400  
148 million 221

402  
00:38:31,030 --> 00:38:27,760  
675 miles yes

403  
00:38:33,030 --> 00:38:31,040  
we do keep track of that stuff precisely

404  
00:38:34,790 --> 00:38:33,040  
i was privileged to fly aboard discovery

405  
00:38:38,150 --> 00:38:34,800  
twice first as the pilot of the hubble

406  
00:38:39,990 --> 00:38:38,160  
space telescope deploy mission in 1990

407  
00:38:41,589 --> 00:38:40,000  
finally as commander when we flew the

408  
00:38:43,829 --> 00:38:41,599  
first for the first time

409  
00:38:45,510 --> 00:38:43,839  
a russian crew member sergey krikalov in

410  
00:38:47,349 --> 00:38:45,520  
1994

411  
00:38:49,829 --> 00:38:47,359  
discovery also visited the mir space

412  
00:38:51,829 --> 00:38:49,839  
station twice conducted two servicing

413  
00:38:53,910 --> 00:38:51,839

missions to hubble and on her last

414

00:38:57,589 --> 00:38:53,920

mission delivered the first robotic crew

415

00:39:00,150 --> 00:38:57,599

member robonaut 2 or r2 as we call it

416

00:39:01,349 --> 00:39:00,160

to the international space station and

417

00:39:04,390 --> 00:39:01,359

speaking of the international space

418

00:39:06,470 --> 00:39:04,400

station uh when the coast guard song was

419

00:39:08,470 --> 00:39:06,480

played the person who stands highest

420

00:39:11,430 --> 00:39:08,480

right now but was unable to be seen by

421

00:39:14,550 --> 00:39:11,440

you is captain dan burbank who is a crew

422

00:39:20,230 --> 00:39:14,560

member aboard iss u.s coast guard so dan

423

00:39:24,069 --> 00:39:22,230

today while we look back on discovery's

424

00:39:25,670 --> 00:39:24,079

amazing legacy i also want to look

425

00:39:28,390 --> 00:39:25,680

forward to what she and the shuttle

426  
00:39:29,990 --> 00:39:28,400  
fleet helped to make possible as nasa

427  
00:39:32,069 --> 00:39:30,000  
transfers the shuttle orbiters to

428  
00:39:33,750 --> 00:39:32,079  
museums across the country we're

429  
00:39:35,589 --> 00:39:33,760  
embarked on an exciting new space

430  
00:39:37,670 --> 00:39:35,599  
exploration journey

431  
00:39:38,710 --> 00:39:37,680  
re relying on american ingenuity and

432  
00:39:40,630 --> 00:39:38,720  
know-how

433  
00:39:42,630 --> 00:39:40,640  
nasa is partnering with private industry

434  
00:39:44,790 --> 00:39:42,640  
to provide crew and cargo transportation

435  
00:39:46,550 --> 00:39:44,800  
to the international space station while

436  
00:39:48,550 --> 00:39:46,560  
developing the most powerful rocket ever

437  
00:39:51,270 --> 00:39:48,560  
built to take the nation farther than

438  
00:39:53,670 --> 00:39:51,280

ever before into the solar system

439

00:39:55,829 --> 00:39:53,680

the shuttles were extraordinary vehicles

440

00:39:58,310 --> 00:39:55,839

and throughout their lives we constantly

441

00:40:00,150 --> 00:39:58,320

learn from them and refine them making

442

00:40:01,109 --> 00:40:00,160

them safer and more capable with each

443

00:40:03,030 --> 00:40:01,119

flight

444

00:40:05,430 --> 00:40:03,040

what we learned will be applied to the

445

00:40:06,790 --> 00:40:05,440

next generation of space transportation

446

00:40:09,270 --> 00:40:06,800

systems

447

00:40:10,790 --> 00:40:09,280

even now the shuttle's main engines have

448

00:40:13,670 --> 00:40:10,800

been transferred to the stennis space

449

00:40:15,670 --> 00:40:13,680

center for early testing for the heavy

450

00:40:17,430 --> 00:40:15,680

heavy lift launch vehicle that will take

451  
00:40:20,710 --> 00:40:17,440  
humans farther into space than ever

452  
00:40:22,710 --> 00:40:20,720  
before to an asteroid and onto mars

453  
00:40:24,230 --> 00:40:22,720  
the shuttles demonstrated that access to

454  
00:40:26,230 --> 00:40:24,240  
low earth orbit was something we could

455  
00:40:28,710 --> 00:40:26,240  
accomplish regularly although i won't

456  
00:40:31,270 --> 00:40:28,720  
say routinely because every time humans

457  
00:40:32,710 --> 00:40:31,280  
set off for space leave the planet think

458  
00:40:33,990 --> 00:40:32,720  
about it leave the planet and that's

459  
00:40:35,829 --> 00:40:34,000  
what's significant about being here with

460  
00:40:37,510 --> 00:40:35,839  
this vehicle behind me i know we

461  
00:40:39,430 --> 00:40:37,520  
describe it as white but you'll notice

462  
00:40:41,030 --> 00:40:39,440  
it's charred a little bit try going

463  
00:40:43,190 --> 00:40:41,040

through 3000 degrees and see if you

464

00:40:44,710 --> 00:40:43,200

don't get a little charred okay

465

00:40:47,270 --> 00:40:44,720

um

466

00:40:48,790 --> 00:40:47,280

shuttle showed us that that earth orbit

467

00:40:49,990 --> 00:40:48,800

could be an extension of our human

468

00:40:51,990 --> 00:40:50,000

biosphere

469

00:40:53,990 --> 00:40:52,000

a place where we could live and work

470

00:40:55,750 --> 00:40:54,000

ultimately they helped us construct the

471

00:40:57,030 --> 00:40:55,760

international space station where

472

00:40:59,670 --> 00:40:57,040

astronauts have lived and worked

473

00:41:01,750 --> 00:40:59,680

continuously for more than 11 years now

474

00:41:03,510 --> 00:41:01,760

performing hundreds of experiments that

475

00:41:05,589 --> 00:41:03,520

help improve life on earth and set the

476  
00:41:08,309 --> 00:41:05,599  
stage for exploration to father

477  
00:41:09,829 --> 00:41:08,319  
destinations without the shuttle there

478  
00:41:11,829 --> 00:41:09,839  
would be no station

479  
00:41:13,589 --> 00:41:11,839  
and now that unique orbiting laboratory

480  
00:41:15,270 --> 00:41:13,599  
will be our stepping stone to the rest

481  
00:41:17,589 --> 00:41:15,280  
of the solar system

482  
00:41:19,190 --> 00:41:17,599  
as nasa retired the shuttle fleet we are

483  
00:41:21,430 --> 00:41:19,200  
transitioning to a new era of

484  
00:41:23,829 --> 00:41:21,440  
exploration with technology development

485  
00:41:25,910 --> 00:41:23,839  
at the forefront to help us reach higher

486  
00:41:27,670 --> 00:41:25,920  
and leave future generations with

487  
00:41:28,790 --> 00:41:27,680  
greater capabilities

488  
00:41:30,230 --> 00:41:28,800

today

489

00:41:32,870 --> 00:41:30,240

we turn discovery over to the

490

00:41:35,349 --> 00:41:32,880

smithsonian with great expectation that

491

00:41:37,270 --> 00:41:35,359

as we have always done nasa will

492

00:41:40,550 --> 00:41:37,280

continue to inspire the young people of

493

00:41:42,390 --> 00:41:40,560

today and tomorrow to dream of space

494

00:41:43,670 --> 00:41:42,400

to dream of uncovering the secrets of

495

00:41:46,470 --> 00:41:43,680

the universe

496

00:41:48,630 --> 00:41:46,480

and take steps to pursue the careers

497

00:41:50,550 --> 00:41:48,640

that will make them the exploration

498

00:41:53,510 --> 00:41:50,560

leaders of tomorrow

499

00:41:56,230 --> 00:41:53,520

the hope that we leave with you today

500

00:41:57,990 --> 00:41:56,240

is that this magnificent flying machine

501  
00:42:00,069 --> 00:41:58,000  
that carried more people to space than

502  
00:42:02,710 --> 00:42:00,079  
any vehicle ever before will be a

503  
00:42:05,030 --> 00:42:02,720  
testament not only to overcoming the

504  
00:42:05,910 --> 00:42:05,040  
human and technological obstacles of the

505  
00:42:08,309 --> 00:42:05,920  
day

506  
00:42:09,750 --> 00:42:08,319  
but a tangible example that our dreams

507  
00:42:12,230 --> 00:42:09,760  
of exploration

508  
00:42:14,790 --> 00:42:12,240  
of reaching our higher potential are

509  
00:42:15,589 --> 00:42:14,800  
always within reach if we stretch for

510  
00:42:17,829 --> 00:42:15,599  
them

511  
00:42:20,309 --> 00:42:17,839  
to the smithsonian institution

512  
00:42:21,990 --> 00:42:20,319  
and to its national air and space museum

513  
00:42:25,270 --> 00:42:22,000

i know

514

00:42:27,109 --> 00:42:25,280

you will take care of discovery

515

00:42:29,430 --> 00:42:27,119

as you have the many other space

516

00:42:31,349 --> 00:42:29,440

artifacts that you have so wonderfully

517

00:42:33,589 --> 00:42:31,359

displayed to tell the story of america's

518

00:42:34,950 --> 00:42:33,599

leadership in space for more than five

519

00:42:36,870 --> 00:42:34,960

decades now

520

00:42:39,589 --> 00:42:36,880

i know my granddaughters and perhaps

521

00:42:41,430 --> 00:42:39,599

someday their children will be able to

522

00:42:44,390 --> 00:42:41,440

stand in awe beneath this great white

523

00:42:46,470 --> 00:42:44,400

bird and be reminded again of the bold

524

00:42:49,510 --> 00:42:46,480

dreams our nation right now is

525

00:42:50,710 --> 00:42:49,520

continuing to pursue to innovate

526  
00:42:53,510 --> 00:42:50,720  
to create

527  
00:42:55,109 --> 00:42:53,520  
and to travel beyond the next horizon

528  
00:42:56,950 --> 00:42:55,119  
thanks to all of you for coming out now

529  
00:42:58,790 --> 00:42:56,960  
we have a very quick clip that's going

530  
00:43:01,349 --> 00:42:58,800  
to talk a little bit more about about

531  
00:43:02,870 --> 00:43:01,359  
the incredible life of discovery

532  
00:43:05,190 --> 00:43:02,880  
space shuttle discovery was a shuttle

533  
00:43:06,710 --> 00:43:05,200  
fleet leader having flown 39 missions

534  
00:43:10,150 --> 00:43:06,720  
beginning with its maiden voyage on

535  
00:43:12,790 --> 00:43:10,160  
sts-41d in august of 1984 through its

536  
00:43:15,670 --> 00:43:12,800  
final flight an sds-133 in february and

537  
00:43:17,589 --> 00:43:15,680  
march of 2011 during which it delivered

538  
00:43:19,510 --> 00:43:17,599

the permanent multi-purpose module to

539

00:43:23,750 --> 00:43:19,520

the international space station along

540

00:43:30,710 --> 00:43:26,390

discovery logged a year in space during

541

00:43:35,190 --> 00:43:30,720

39 flights over 27 years of service and

542

00:43:38,470 --> 00:43:35,200

traveled more than 148 million miles

543

00:43:40,550 --> 00:43:38,480

during 5830

544

00:43:44,470 --> 00:43:40,560

orbits of earth

545

00:43:47,190 --> 00:43:44,480

all told the five space shuttles logged

546

00:43:49,109 --> 00:43:47,200

a half a billion miles

547

00:43:52,630 --> 00:43:49,119

in space over

548

00:43:54,950 --> 00:43:52,640

30 years of space flight and 135

549

00:43:58,630 --> 00:43:54,960

missions and conducted

550

00:44:02,710 --> 00:44:00,470

those missions included the delivery of

551  
00:44:04,309 --> 00:44:02,720  
interplanetary probes the deployment

552  
00:44:06,630 --> 00:44:04,319  
servicing and upgraded the hubble space

553  
00:44:07,990 --> 00:44:06,640  
telescope and the lasting achievement of

554  
00:44:10,309 --> 00:44:08,000  
the construction of the international

555  
00:44:11,910 --> 00:44:10,319  
space station aboard which we now live

556  
00:44:13,990 --> 00:44:11,920  
and work today

557  
00:44:16,069 --> 00:44:14,000  
we remember discovery fondly and wish

558  
00:44:27,109 --> 00:44:16,079  
her well at her new home at the udvar

559  
00:44:31,270 --> 00:44:29,109  
thank you general bolden

560  
00:44:33,349 --> 00:44:31,280  
overseeing the smithsonian with its 19

561  
00:44:35,349 --> 00:44:33,359  
museums and nine research centers and

562  
00:44:36,630 --> 00:44:35,359  
extensive global outreach activities is

563  
00:44:39,430 --> 00:44:36,640

a big job

564

00:44:41,910 --> 00:44:39,440

especially considering the 137 million

565

00:44:44,950 --> 00:44:41,920

objects in the institutions collections

566

00:44:46,550 --> 00:44:44,960

nasa is not the only one can use numbers

567

00:44:48,069 --> 00:44:46,560

but when it comes to adding another

568

00:44:49,829 --> 00:44:48,079

important artifact to the national

569

00:44:51,829 --> 00:44:49,839

collection the secretary is an

570

00:44:53,750 --> 00:44:51,839

enthusiastic supporter and it's my honor

571

00:44:58,790 --> 00:44:53,760

to introduce the secretary of the

572

00:45:04,790 --> 00:44:59,829

thank you

573

00:45:07,270 --> 00:45:04,800

be here now you know why i have one of

574

00:45:08,870 --> 00:45:07,280

the best jobs in the world i even have a

575

00:45:09,990 --> 00:45:08,880

general who reports to me i noticed he

576

00:45:13,430 --> 00:45:10,000

didn't

577

00:45:15,670 --> 00:45:13,440

introducing me to work on it

578

00:45:18,069 --> 00:45:15,680

but under jack's leadership both the

579

00:45:20,069 --> 00:45:18,079

museum on the mall and the museum here

580

00:45:22,150 --> 00:45:20,079

on the dulles airport grounds are two of

581

00:45:25,270 --> 00:45:22,160

the most magnificent museums in the

582

00:45:27,270 --> 00:45:25,280

smithsonian orbit group and so we are so

583

00:45:35,109 --> 00:45:27,280

proud of jack and his staff let's give

584

00:45:39,190 --> 00:45:36,710

we are certainly pleased to be here with

585

00:45:41,430 --> 00:45:39,200

nasa administrator charles bolden and we

586

00:45:43,990 --> 00:45:41,440

value charlie our great partnership with

587

00:45:46,390 --> 00:45:44,000

nasa and all that brings to us and all

588

00:45:48,710 --> 00:45:46,400

to the american people i'm proud to be

589

00:45:51,109 --> 00:45:48,720

here with our smithsonian regents chair

590

00:45:52,390 --> 00:45:51,119

grant dr france cordova and many members

591

00:45:53,670 --> 00:45:52,400

of the board i'd like to ask the members

592

00:45:56,630 --> 00:45:53,680

of the board of regents who are here to

593

00:45:56,640 --> 00:46:02,710

paul

594

00:46:06,470 --> 00:46:04,230

and of course it's always an honor to

595

00:46:08,550 --> 00:46:06,480

see our friend senator john glenn who is

596

00:46:17,030 --> 00:46:08,560

certainly a supporter of the smithsonian

597

00:46:21,990 --> 00:46:20,069

discovery is just one of the many latest

598

00:46:23,910 --> 00:46:22,000

types of artifacts on display here in

599

00:46:25,829 --> 00:46:23,920

the national mall that senator glenn

600

00:46:27,990 --> 00:46:25,839

used in his personal

601  
00:46:29,990 --> 00:46:28,000  
explorations of space you can see the

602  
00:46:33,030 --> 00:46:30,000  
fiberglass couch he was strapped in for

603  
00:46:35,190 --> 00:46:33,040  
g training in the mercury program or and

604  
00:46:37,109 --> 00:46:35,200  
i love this one the drugstore camera he

605  
00:46:39,990 --> 00:46:37,119  
bought and modified a take on his

606  
00:46:41,990 --> 00:46:40,000  
historic flight friendship seven

607  
00:46:43,990 --> 00:46:42,000  
and now this magnificent engineering

608  
00:46:46,069 --> 00:46:44,000  
marvel discovery which will be a

609  
00:46:47,349 --> 00:46:46,079  
centerpiece here at the udvar-hazy

610  
00:46:49,829 --> 00:46:47,359  
center

611  
00:46:52,470 --> 00:46:49,839  
the author f scott fitzgerald famously

612  
00:46:55,430 --> 00:46:52,480  
noted there are no second acts in

613  
00:46:57,589 --> 00:46:55,440

american lives senator glenn vigorously

614

00:47:00,950 --> 00:46:57,599

disproved that notion when he reprised

615

00:47:02,950 --> 00:47:00,960

his astronaut role on this very shuttle

616

00:47:05,589 --> 00:47:02,960

at the age of 77

617

00:47:08,390 --> 00:47:05,599

and now discovery begins its own second

618

00:47:11,030 --> 00:47:08,400

act as an engine of imagination

619

00:47:13,270 --> 00:47:11,040

education and inspiration

620

00:47:15,750 --> 00:47:13,280

as transportation secretary ray lahood

621

00:47:18,309 --> 00:47:15,760

said on tuesday when it landed that was

622

00:47:20,150 --> 00:47:18,319

a wow moment in american history as

623

00:47:22,630 --> 00:47:20,160

thousands on the american mall and

624

00:47:25,349 --> 00:47:22,640

throughout the capital stood and cheered

625

00:47:28,069 --> 00:47:25,359

as discovery made its final flight

626

00:47:30,150 --> 00:47:28,079

in 2009 i had the great pleasure of

627

00:47:33,270 --> 00:47:30,160

introducing senator glenn at the air and

628

00:47:34,309 --> 00:47:33,280

space museum's aptly titled john h glenn

629

00:47:36,230 --> 00:47:34,319

lecture

630

00:47:38,470 --> 00:47:36,240

we were there to commemorate the 40th

631

00:47:40,390 --> 00:47:38,480

anniversary of the apollo program

632

00:47:43,430 --> 00:47:40,400

and he said something that struck me

633

00:47:45,990 --> 00:47:43,440

then he noted that in 1969

634

00:47:49,190 --> 00:47:46,000

people all over the world said we

635

00:47:52,790 --> 00:47:49,200

we landed on the moon that united all

636

00:47:54,790 --> 00:47:52,800

cultures across our planet many of

637

00:47:57,030 --> 00:47:54,800

course if not most of us have some

638

00:47:59,750 --> 00:47:57,040

personal connection to the shuttle

639

00:48:02,550 --> 00:47:59,760

program and the discovery my own brother

640

00:48:04,309 --> 00:48:02,560

dan was a nasa employee for 30 years and

641

00:48:06,790 --> 00:48:04,319

he worked on the discovery in the

642

00:48:08,710 --> 00:48:06,800

shuttle program from its inception

643

00:48:10,870 --> 00:48:08,720

as president of georgia tech i was

644

00:48:13,190 --> 00:48:10,880

touched when astronauts who were georgia

645

00:48:15,990 --> 00:48:13,200

tech alums brought back flags from space

646

00:48:18,150 --> 00:48:16,000

for our archives nine of them flew on

647

00:48:26,309 --> 00:48:18,160

discovery two of them were commanders

648

00:48:31,030 --> 00:48:28,309

discovery and all of the space shuttles

649

00:48:32,950 --> 00:48:31,040

also excelled at bridging cultures the

650

00:48:35,430 --> 00:48:32,960

american shuttle astronauts represented

651  
00:48:37,430 --> 00:48:35,440  
the full spectrum of our diverse society

652  
00:48:40,230 --> 00:48:37,440  
and they worked alongside counterparts

653  
00:48:42,309 --> 00:48:40,240  
from russia europe japan and canada on

654  
00:48:44,150 --> 00:48:42,319  
the international space station

655  
00:48:46,150 --> 00:48:44,160  
the powerful message to young people

656  
00:48:48,549 --> 00:48:46,160  
everywhere still resonates

657  
00:48:50,950 --> 00:48:48,559  
no matter where you are from with hard

658  
00:48:53,589 --> 00:48:50,960  
work and dedication by learning math

659  
00:48:55,510 --> 00:48:53,599  
science and engineering you too might

660  
00:48:57,750 --> 00:48:55,520  
travel to the stars

661  
00:49:01,109 --> 00:48:57,760  
as discovery embarks on its new mission

662  
00:49:02,630 --> 00:49:01,119  
it will continue to teach that lesson

663  
00:49:04,549 --> 00:49:02,640

although millions of people will have

664

00:49:07,430 --> 00:49:04,559

the chance to see discovery here in

665

00:49:09,750 --> 00:49:07,440

person we can reach many more worldwide

666

00:49:12,790 --> 00:49:09,760

as we are doing at this moment through

667

00:49:14,390 --> 00:49:12,800

nasa and smithsonian websites

668

00:49:16,549 --> 00:49:14,400

all this week people are sharing their

669

00:49:19,030 --> 00:49:16,559

discovery photos comments and videos

670

00:49:21,990 --> 00:49:19,040

using flickr twitter facebook and

671

00:49:24,150 --> 00:49:22,000

youtube and on tuesday participants were

672

00:49:25,670 --> 00:49:24,160

able to use something called instagram

673

00:49:27,750 --> 00:49:25,680

to spot the shuttle

674

00:49:29,190 --> 00:49:27,760

and the results in 24 hours were just

675

00:49:31,750 --> 00:49:29,200

remarkable

676

00:49:34,710 --> 00:49:31,760

3 000 tweets about spot the shuttle

677

00:49:36,470 --> 00:49:34,720

generated 10 million people talking

678

00:49:39,109 --> 00:49:36,480

about the landing of the discovery

679

00:49:41,589 --> 00:49:39,119

amazing the tweetups have helped us and

680

00:49:43,190 --> 00:49:41,599

nasa bring our science and our

681

00:49:45,589 --> 00:49:43,200

educational program

682

00:49:47,270 --> 00:49:45,599

to the people of the world

683

00:49:49,190 --> 00:49:47,280

we were especially excited about the

684

00:49:51,589 --> 00:49:49,200

discovery's potential to help and reach

685

00:49:53,430 --> 00:49:51,599

students and inspire young people

686

00:49:55,670 --> 00:49:53,440

everywhere young people in the audience

687

00:49:57,030 --> 00:49:55,680

today we're glad you're with us today

688

00:49:58,630 --> 00:49:57,040

they will grow up to be the next

689

00:50:01,109 --> 00:49:58,640

engineers and scientists to build the

690

00:50:02,790 --> 00:50:01,119

next great advanced spacecraft

691

00:50:04,790 --> 00:50:02,800

our scientists who discover the

692

00:50:06,710 --> 00:50:04,800

hospitable world as scientists at the

693

00:50:09,510 --> 00:50:06,720

smithsonian astrophysical observatory

694

00:50:11,270 --> 00:50:09,520

today represent the best of that

695

00:50:13,829 --> 00:50:11,280

maybe one of our young visitors will

696

00:50:17,270 --> 00:50:13,839

even be the first astronaut to set foot

697

00:50:18,309 --> 00:50:17,280

on such a planet in a distant

698

00:50:20,230 --> 00:50:18,319

universe

699

00:50:22,390 --> 00:50:20,240

discovery is not simply a reminder the

700

00:50:25,270 --> 00:50:22,400

power of human ingenuity to solve great

701  
00:50:27,030 --> 00:50:25,280  
problems it is a challenge to heed the

702  
00:50:29,349 --> 00:50:27,040  
wisdom of apollo 8 commander frank

703  
00:50:31,430 --> 00:50:29,359  
borman who observed exploration is

704  
00:50:32,549 --> 00:50:31,440  
really the essence of the american

705  
00:50:37,829 --> 00:50:32,559  
spirit

706  
00:50:48,549 --> 00:50:37,839  
remember what we did before and that we

707  
00:50:54,150 --> 00:50:51,270  
thank you dr cliff

708  
00:50:55,670 --> 00:50:54,160  
our next speaker is himself an american

709  
00:50:58,069 --> 00:50:55,680  
icon

710  
00:51:00,309 --> 00:50:58,079  
at 90 years of age he has served our

711  
00:51:02,549 --> 00:51:00,319  
country in many capacities and has

712  
00:51:04,069 --> 00:51:02,559  
contributed to the space program in many

713  
00:51:05,910 --> 00:51:04,079

ways

714

00:51:09,190 --> 00:51:05,920

in november he received the highest

715

00:51:11,190 --> 00:51:09,200

civilian award bestowed by congress

716

00:51:13,190 --> 00:51:11,200

the congressional gold medal

717

00:51:15,190 --> 00:51:13,200

for his pioneering contributions to

718

00:51:17,990 --> 00:51:15,200

space exploration

719

00:51:20,150 --> 00:51:18,000

it is my great privilege to introduce

720

00:51:22,150 --> 00:51:20,160

another marine aviator

721

00:51:24,470 --> 00:51:22,160

who made his historic first flight to

722

00:51:27,109 --> 00:51:24,480

orbit in 1962

723

00:51:29,750 --> 00:51:27,119

and returned to space aboard discovery

724

00:51:47,109 --> 00:51:29,760

36 years later ladies and gentlemen

725

00:51:53,030 --> 00:51:49,670

thank you

726

00:51:57,750 --> 00:51:55,990

you know perhaps it started

727

00:51:59,750 --> 00:51:57,760

with the pioneers who first lived in

728

00:52:02,069 --> 00:51:59,760

this new land

729

00:52:04,549 --> 00:52:02,079

but americans have always had a curious

730

00:52:07,270 --> 00:52:04,559

questing nature

731

00:52:09,589 --> 00:52:07,280

that has served us well

732

00:52:11,990 --> 00:52:09,599

what's over the next hill

733

00:52:13,990 --> 00:52:12,000

what's around the next bend

734

00:52:15,670 --> 00:52:14,000

in the laboratory if we could just learn

735

00:52:18,710 --> 00:52:15,680

how to separate out

736

00:52:21,270 --> 00:52:18,720

this chemical could we use it to do

737

00:52:23,270 --> 00:52:21,280

well whatever

738

00:52:25,510 --> 00:52:23,280

explore they did

739

00:52:27,349 --> 00:52:25,520

and it paid off beyond their wildest

740

00:52:29,510 --> 00:52:27,359

dreams

741

00:52:31,430 --> 00:52:29,520

they sent out scouts followed by wagon

742

00:52:34,710 --> 00:52:31,440

trains that moved to the west over

743

00:52:37,750 --> 00:52:34,720

almost insurmountable obstacles

744

00:52:39,589 --> 00:52:37,760

of forest mountains rivers deserts and

745

00:52:41,589 --> 00:52:39,599

weather

746

00:52:43,990 --> 00:52:41,599

sometimes there were losses

747

00:52:46,870 --> 00:52:44,000

that they pressed on

748

00:52:48,950 --> 00:52:46,880

a good day's trip for a wagon train was

749

00:52:50,790 --> 00:52:48,960

about 10 miles

750

00:52:53,430 --> 00:52:50,800

as they made the six months journey to

751  
00:52:56,390 --> 00:52:53,440  
oregon or california

752  
00:52:59,510 --> 00:52:56,400  
now discovery behind me here discovery

753  
00:53:03,750 --> 00:52:59,520  
in orbit could travel that 10 miles

754  
00:53:03,760 --> 00:53:07,910  
albeit at a little higher altitude

755  
00:53:12,069 --> 00:53:10,549  
meanwhile new science breakthroughs were

756  
00:53:14,549 --> 00:53:12,079  
changing our nation

757  
00:53:16,069 --> 00:53:14,559  
in the early 1880s railroads replaced

758  
00:53:18,230 --> 00:53:16,079  
wagon trains

759  
00:53:20,230 --> 00:53:18,240  
gasoline engines brought on automobiles

760  
00:53:22,630 --> 00:53:20,240  
in just 23 years

761  
00:53:24,950 --> 00:53:22,640  
after the last wagon train

762  
00:53:27,990 --> 00:53:24,960  
the wright brothers flew at kitty hawk

763  
00:53:30,630 --> 00:53:28,000

in 1903.

764

00:53:33,349 --> 00:53:30,640

for tens of thousands of years people

765

00:53:35,990 --> 00:53:33,359

looked up at the blue sky by day

766

00:53:37,750 --> 00:53:36,000

and the stars and moon by night

767

00:53:39,510 --> 00:53:37,760

and wondered what was

768

00:53:45,430 --> 00:53:39,520

up there

769

00:53:47,030 --> 00:53:45,440

what we do what we do if we could go

770

00:53:48,870 --> 00:53:47,040

up there

771

00:53:51,430 --> 00:53:48,880

there seem to be again

772

00:53:54,390 --> 00:53:51,440

almost insurmountable odds

773

00:53:56,309 --> 00:53:54,400

against that ever happening

774

00:53:58,630 --> 00:53:56,319

but we must count ourselves among the

775

00:54:01,589 --> 00:53:58,640

most fortunate people of all time to be

776  
00:54:04,150 --> 00:54:01,599  
living when we could realize that ages

777  
00:54:05,750 --> 00:54:04,160  
old dream to finally go

778  
00:54:07,750 --> 00:54:05,760  
up there

779  
00:54:11,750 --> 00:54:07,760  
as we made suborbital then orbital

780  
00:54:14,230 --> 00:54:11,760  
flight in 1962 just 59 years

781  
00:54:16,309 --> 00:54:14,240  
after kitty hawk

782  
00:54:18,790 --> 00:54:16,319  
mercury and gemini developed our

783  
00:54:21,030 --> 00:54:18,800  
abilities followed by apollo

784  
00:54:23,270 --> 00:54:21,040  
and neil armstrong's never to be

785  
00:54:25,829 --> 00:54:23,280  
forgotten first ever

786  
00:54:27,990 --> 00:54:25,839  
footprints on some place other than

787  
00:54:29,910 --> 00:54:28,000  
earth

788  
00:54:32,230 --> 00:54:29,920

we transitioned from apollo to a new

789

00:54:34,790 --> 00:54:32,240

vehicle the space shuttle which was

790

00:54:36,790 --> 00:54:34,800

intended to broaden opportunities for

791

00:54:39,430 --> 00:54:36,800

orbital activities

792

00:54:41,589 --> 00:54:39,440

and it certainly did

793

00:54:44,150 --> 00:54:41,599

space shuttle discovery is the star it

794

00:54:45,990 --> 00:54:44,160

has the most extensive record of all the

795

00:54:48,470 --> 00:54:46,000

shuttle fleet

796

00:54:50,870 --> 00:54:48,480

his 39 missions included

797

00:54:53,589 --> 00:54:50,880

a whole bunch of things but it became a

798

00:54:56,390 --> 00:54:53,599

science platform for nine flights

799

00:54:59,349 --> 00:54:56,400

a satellite launcher for 12 flights

800

00:55:00,549 --> 00:54:59,359

a telescope repair station which charlie

801  
00:55:02,390 --> 00:55:00,559  
already mentioned and he was the

802  
00:55:04,390 --> 00:55:02,400  
commander of putting it up there

803  
00:55:06,710 --> 00:55:04,400  
on discovery that has literally

804  
00:55:07,990 --> 00:55:06,720  
rewritten the astronomy books for all

805  
00:55:11,030 --> 00:55:08,000  
time

806  
00:55:12,549 --> 00:55:11,040  
and also served as a plane flat out

807  
00:55:15,270 --> 00:55:12,559  
truck

808  
00:55:18,150 --> 00:55:15,280  
it was the first space station delivery

809  
00:55:20,069 --> 00:55:18,160  
truck 13 flights it made

810  
00:55:23,349 --> 00:55:20,079  
to put together the space station that

811  
00:55:25,670 --> 00:55:23,359  
goes over us even today

812  
00:55:27,430 --> 00:55:25,680  
discovery was truly a heavy hauler in

813  
00:55:28,790 --> 00:55:27,440

construction of the international space

814

00:55:33,670 --> 00:55:28,800

station

815

00:55:35,589 --> 00:55:33,680

research with 15 international partners

816

00:55:37,670 --> 00:55:35,599

for us in the most unique

817

00:55:40,309 --> 00:55:37,680

scientific laboratory

818

00:55:43,270 --> 00:55:40,319

ever conceived

819

00:55:45,030 --> 00:55:43,280

the unfortunate decision made eight and

820

00:55:46,309 --> 00:55:45,040

a half years ago to terminate the

821

00:55:49,190 --> 00:55:46,319

shuttle fleet

822

00:55:51,030 --> 00:55:49,200

in my view prematurely grounded

823

00:55:53,349 --> 00:55:51,040

discovery and delayed our research but

824

00:55:55,589 --> 00:55:53,359

those decisions have been made

825

00:55:58,710 --> 00:55:55,599

and we recovered and now we move on with

826  
00:56:08,870 --> 00:55:58,720  
new programs and possibilities

827  
00:56:12,390 --> 00:56:10,710  
today we also honor those who made

828  
00:56:14,309 --> 00:56:12,400  
discovery possible

829  
00:56:17,349 --> 00:56:14,319  
the scientists engineers who designed

830  
00:56:19,589 --> 00:56:17,359  
this most complex machine ever built

831  
00:56:22,789 --> 00:56:19,599  
the technicians and dedicated workforce

832  
00:56:24,950 --> 00:56:22,799  
that kept it not only flight worthy

833  
00:56:26,710 --> 00:56:24,960  
but flight excellent

834  
00:56:29,349 --> 00:56:26,720  
through these many years

835  
00:56:30,710 --> 00:56:29,359  
and the nearly 250 astronauts who flew

836  
00:56:33,510 --> 00:56:30,720  
on discovery

837  
00:56:37,190 --> 00:56:33,520  
represented here today by the 15 former

838  
00:56:40,710 --> 00:56:37,200

discovery flight commanders

839

00:56:42,789 --> 00:56:40,720

today discovery takes on a new mission

840

00:56:45,109 --> 00:56:42,799

less dynamic perhaps

841

00:56:47,190 --> 00:56:45,119

but nonetheless important

842

00:56:50,470 --> 00:56:47,200

it will be on display not only as a

843

00:56:53,510 --> 00:56:50,480

testament to events of our time

844

00:56:55,910 --> 00:56:53,520

but also as an inspiration

845

00:56:58,549 --> 00:56:55,920

to future generations

846

00:57:01,030 --> 00:56:58,559

it will be a symbol for our nation

847

00:57:03,670 --> 00:57:01,040

of space flight that presents optimism

848

00:57:05,270 --> 00:57:03,680

and hope and challenge and leadership

849

00:57:06,710 --> 00:57:05,280

and aspiration

850

00:57:08,950 --> 00:57:06,720

to explore

851  
00:57:10,549 --> 00:57:08,960  
and to excel

852  
00:57:12,549 --> 00:57:10,559  
and that's a big mission in its own

853  
00:57:14,309 --> 00:57:12,559  
right

854  
00:57:17,990 --> 00:57:14,319  
we recently celebrated a 50th

855  
00:57:19,829 --> 00:57:18,000  
anniversary of our first orbital flight

856  
00:57:21,670 --> 00:57:19,839  
in a speech to congress following that

857  
00:57:25,190 --> 00:57:21,680  
flight i closed with

858  
00:57:26,870 --> 00:57:25,200  
a statement that i would repeat today

859  
00:57:28,789 --> 00:57:26,880  
as our knowledge of the universe in

860  
00:57:31,510 --> 00:57:28,799  
which we live increases

861  
00:57:33,109 --> 00:57:31,520  
may god grant us the wisdom and guidance

862  
00:57:51,510 --> 00:57:33,119  
to use it wisely

863  
00:57:55,190 --> 00:57:53,190

an internationally known

864

00:57:56,470 --> 00:57:55,200

physicist and president of purdue

865

00:57:58,710 --> 00:57:56,480

university

866

00:58:01,589 --> 00:57:58,720

our next speaker is also helping to

867

00:58:03,670 --> 00:58:01,599

shape the future of the smithsonian

868

00:58:06,069 --> 00:58:03,680

it's an honor to introduce the chair of

869

00:58:13,430 --> 00:58:06,079

the smithsonian board of regents dr

870

00:58:17,270 --> 00:58:15,270

thank you general daly

871

00:58:20,230 --> 00:58:17,280

on behalf of the smithsonian's board of

872

00:58:23,510 --> 00:58:20,240

regents i'd like to add my welcome to

873

00:58:25,670 --> 00:58:23,520

senator glenn and the crews of discovery

874

00:58:28,230 --> 00:58:25,680

our colleagues from nasa

875

00:58:29,750 --> 00:58:28,240

and all our guests here today

876

00:58:33,270 --> 00:58:29,760

thank you for your support of the

877

00:58:35,990 --> 00:58:33,280

smithsonian your support of nasa and you

878

00:58:36,950 --> 00:58:36,000

your support of our american values of

879

00:58:47,349 --> 00:58:36,960

freedom

880

00:58:52,950 --> 00:58:50,150

i'd like to also congratulate general

881

00:58:56,069 --> 00:58:52,960

jack daly and the staff of the national

882

00:58:58,950 --> 00:58:56,079

air and space museum on making this

883

00:59:02,150 --> 00:58:58,960

historic day possible i don't know about

884

00:59:04,390 --> 00:59:02,160

you all but i will never forget those

885

00:59:12,789 --> 00:59:04,400

two big birds touching each other like

886

00:59:17,829 --> 00:59:14,870

i am particularly pleased to be here

887

00:59:20,390 --> 00:59:17,839

today not only in my capacity as chair

888

00:59:23,190 --> 00:59:20,400

of the smithsonian's board of regents

889

00:59:24,390 --> 00:59:23,200

but also as a former chief scientist for

890

00:59:27,990 --> 00:59:24,400

nasa

891

00:59:30,549 --> 00:59:28,000

and as president of purdue university

892

00:59:33,270 --> 00:59:30,559

where one of our goals is launching

893

00:59:37,589 --> 00:59:33,280

tomorrow's leaders

894

00:59:41,109 --> 00:59:37,599

at purdue we've had 22 of our alumni go

895

00:59:42,870 --> 00:59:41,119

into space including the first and last

896

00:59:44,829 --> 00:59:42,880

astronauts on the moon

897

00:59:49,030 --> 00:59:44,839

and many shuttle

898

00:59:51,270 --> 00:59:49,040

astronauts and i might add following

899

00:59:54,390 --> 00:59:51,280

senator glenn's remarks

900

00:59:56,630 --> 00:59:54,400

hundreds of engineers and scientists who

901  
01:00:00,069 --> 00:59:56,640  
have helped ensure that the shuttle

902  
01:00:04,630 --> 01:00:00,079  
program makes a tremendous impact for us

903  
01:00:07,430 --> 01:00:04,640  
all for knowledge and its communication

904  
01:00:09,829 --> 01:00:07,440  
since before senator glenn first orbited

905  
01:00:12,950 --> 01:00:09,839  
the earth in 1962

906  
01:00:14,390 --> 01:00:12,960  
nasa and the smithsonian have recognized

907  
01:00:17,190 --> 01:00:14,400  
the need to preserve

908  
01:00:22,069 --> 01:00:17,200  
and make accessible artifacts that can

909  
01:00:24,630 --> 01:00:22,079  
best tell the story of america in space

910  
01:00:26,069 --> 01:00:24,640  
as a result of that over 50-year

911  
01:00:29,430 --> 01:00:26,079  
partnership

912  
01:00:32,390 --> 01:00:29,440  
millions of americans annually visit the

913  
01:00:35,829 --> 01:00:32,400

national air and space museum

914

01:00:39,030 --> 01:00:35,839

including this the udvar hazy center

915

01:00:42,069 --> 01:00:39,040

to learn about and be inspired by the

916

01:00:46,549 --> 01:00:42,079

thousands of historic objects nasa has

917

01:00:49,430 --> 01:00:46,559

entrusted to the smithsonian's care

918

01:00:53,030 --> 01:00:49,440

some of the objects are iconic

919

01:00:55,589 --> 01:00:53,040

the apollo 11 command module colombia

920

01:00:57,430 --> 01:00:55,599

and senator glenn's mercury friendship

921

01:01:00,150 --> 01:00:57,440

seven

922

01:01:04,150 --> 01:01:00,160

others may be less so

923

01:01:07,510 --> 01:01:04,160

parachutes tools engine parts

924

01:01:10,150 --> 01:01:07,520

but all of them help us understand the

925

01:01:14,470 --> 01:01:10,160

unique place that the space program

926

01:01:16,710 --> 01:01:14,480

holds in our imagination

927

01:01:19,349 --> 01:01:16,720

before discovery can officially join

928

01:01:21,430 --> 01:01:19,359

them in the national collection

929

01:01:22,870 --> 01:01:21,440

we have a little bit of paperwork to

930

01:01:25,829 --> 01:01:22,880

complete

931

01:01:29,349 --> 01:01:25,839

the agreement transferring discovery

932

01:01:32,470 --> 01:01:29,359

from nasa to the smithsonian

933

01:01:34,870 --> 01:01:32,480

i would now like to ask general bolden

934

01:01:37,750 --> 01:01:34,880

as the representative of nasa

935

01:01:40,549 --> 01:01:37,760

and secretary clough and general daily

936

01:01:43,349 --> 01:01:40,559

as representatives of the smithsonian

937

01:01:46,230 --> 01:01:43,359

and national air and space museum to

938

01:01:50,829 --> 01:01:48,710

and senator glenn would you please join

939

01:02:04,950 --> 01:01:50,839

them as the signing

940

01:02:04,960 --> 01:02:31,910

it witness

941

01:02:36,870 --> 01:02:34,710

thank you the space shuttle discovery is

942

01:02:58,710 --> 01:02:36,880

now officially part of the national

943

01:03:03,829 --> 01:03:01,589

well thank you dr cordo we appreciate

944

01:03:05,270 --> 01:03:03,839

you presiding at this ceremony

945

01:03:07,589 --> 01:03:05,280

you know

946

01:03:08,710 --> 01:03:07,599

you could learn a lesson from today's

947

01:03:10,710 --> 01:03:08,720

program

948

01:03:13,109 --> 01:03:10,720

have you noticed how disrespectful these

949

01:03:14,549 --> 01:03:13,119

guys in the back row are

950

01:03:16,789 --> 01:03:14,559

i mean their boss stands up and they

951  
01:03:18,710 --> 01:03:16,799  
laugh at it

952  
01:03:21,190 --> 01:03:18,720  
but that's what they are they are

953  
01:03:22,549 --> 01:03:21,200  
disrespectful but they are really good

954  
01:03:24,470 --> 01:03:22,559  
so we're going to let them get away with

955  
01:03:26,549 --> 01:03:24,480  
it one more time

956  
01:03:28,309 --> 01:03:26,559  
now before we end our ceremony i i'd

957  
01:03:30,549 --> 01:03:28,319  
like to recognize all those involved in

958  
01:03:31,990 --> 01:03:30,559  
bringing discovery here and starting of

959  
01:03:34,870 --> 01:03:32,000  
course with boeing

960  
01:03:35,589 --> 01:03:34,880  
and the lockheed martin corporation

961  
01:03:38,230 --> 01:03:35,599  
the

962  
01:03:40,390 --> 01:03:38,240  
washington dulles airport is celebrating

963  
01:03:41,990 --> 01:03:40,400

its 50th anniversary this year and of

964

01:03:44,069 --> 01:03:42,000

course without mwah we couldn't have

965

01:03:45,109 --> 01:03:44,079

been here

966

01:03:47,029 --> 01:03:45,119

the federal

967

01:03:48,789 --> 01:03:47,039

aviation administration and department

968

01:03:50,789 --> 01:03:48,799

of homeland security which worked in

969

01:03:52,630 --> 01:03:50,799

cooperation with nasa to arrange the

970

01:03:55,589 --> 01:03:52,640

extraordinary and i mean extraordinary

971

01:04:00,549 --> 01:03:55,599

shuttle flyover on tuesday

972

01:04:05,670 --> 01:04:02,950

signature flight support and swiss port

973

01:04:07,670 --> 01:04:05,680

for tugs and towing they provided

974

01:04:10,150 --> 01:04:07,680

free of charge all of the support for

975

01:04:12,309 --> 01:04:10,160

the unloading of the shuttle to towing

976  
01:04:14,630 --> 01:04:12,319  
to and from and getting it down here for

977  
01:04:20,390 --> 01:04:14,640  
our ceremony today so we

978  
01:04:25,190 --> 01:04:22,390  
in addition we welcome the discovery

979  
01:04:26,789 --> 01:04:25,200  
family weekend this saturday and sunday

980  
01:04:28,230 --> 01:04:26,799  
made possible by the mcdonald

981  
01:04:28,950 --> 01:04:28,240  
corporation

982  
01:04:31,190 --> 01:04:28,960  
our

983  
01:04:33,349 --> 01:04:31,200  
official ceremony is about to end but

984  
01:04:34,390 --> 01:04:33,359  
our welcome discovery festival is just

985  
01:04:36,150 --> 01:04:34,400  
beginning

986  
01:04:38,630 --> 01:04:36,160  
these two shuttles will remain on

987  
01:04:40,309 --> 01:04:38,640  
display this afternoon until about four

988  
01:04:42,309 --> 01:04:40,319

o'clock so all of you who have been held

989

01:04:44,309 --> 01:04:42,319

back behind those barricades will have a

990

01:04:45,990 --> 01:04:44,319

chance to come up take your family

991

01:04:47,750 --> 01:04:46,000

photos and do anything you want but

992

01:04:49,510 --> 01:04:47,760

there are a couple of rules

993

01:04:51,270 --> 01:04:49,520

we ask that you we're going to have some

994

01:04:54,069 --> 01:04:51,280

educational programs here on the stage

995

01:04:55,510 --> 01:04:54,079

at 1 30 2 30 and 3 30 so we ask that you

996

01:04:56,950 --> 01:04:55,520

not you can sit in these chairs you're

997

01:04:58,950 --> 01:04:56,960

welcome to do that but don't please

998

01:05:01,589 --> 01:04:58,960

don't move them don't come up on the

999

01:05:03,589 --> 01:05:01,599

stage and

1000

01:05:05,349 --> 01:05:03,599

leave the chairs when you go

1001  
01:05:07,430 --> 01:05:05,359  
the uh

1002  
01:05:09,430 --> 01:05:07,440  
but we want you to feel free to stay

1003  
01:05:11,349 --> 01:05:09,440  
here and enjoy the day

1004  
01:05:13,990 --> 01:05:11,359  
because as we all know this is this

1005  
01:05:16,950 --> 01:05:14,000  
extraordinary opportunity that we have

1006  
01:05:17,750 --> 01:05:16,960  
so our our finale for this

1007  
01:05:19,190 --> 01:05:17,760  
uh

1008  
01:05:21,190 --> 01:05:19,200  
ceremony

1009  
01:05:22,390 --> 01:05:21,200  
are is our some video scenes that were

1010  
01:05:24,950 --> 01:05:22,400  
filmed in the last

1011  
01:05:28,150 --> 01:05:24,960  
three days or two days actually and it's

1012  
01:05:30,470 --> 01:05:28,160  
discovery's last trip so i i invite you

1013  
01:05:32,069 --> 01:05:30,480

to enjoy that and then

1014

01:05:33,910 --> 01:05:32,079

if you'll stand by give us a chance just

1015

01:05:34,710 --> 01:05:33,920

to get organized a little bit here with

1016

01:05:38,710 --> 01:05:34,720

the

1017

01:05:41,029 --> 01:05:38,720

loose for your photo opportunity thank

1018

01:05:42,870 --> 01:05:41,039

you all for being here today

1019

01:05:46,069 --> 01:05:42,880

we we appreciate the support that you've

1020

01:05:48,390 --> 01:05:46,079

given us not only today but every day

1021

01:05:49,190 --> 01:05:48,400

and we hope to see you out here often as

1022

01:05:50,470 --> 01:05:49,200

we

1023

01:05:51,670 --> 01:05:50,480

now

1024

01:05:53,829 --> 01:05:51,680

introduce

1025

01:05:55,670 --> 01:05:53,839

the latest in our treasures of america

1026

01:06:08,789 --> 01:05:55,680

here at the national air space museum