



**“We choose to go
to the Moon.”**

1
00:00:50,069 --> 00:00:47,830

[Music]

2
00:00:52,310 --> 00:00:50,079

we choose to go to the moon in this

3
00:00:54,790 --> 00:00:52,320

decade and do the other things

4
00:00:59,980 --> 00:00:54,800

not because they are easy but because

5
00:00:59,990 --> 00:01:05,189

[Music]

6
00:01:10,710 --> 00:01:08,390

we set sail on this new sea because

7
00:01:13,190 --> 00:01:10,720

there is new knowledge to be gained and

8
00:01:15,109 --> 00:01:13,200

new rights to be won and they must be

9
00:01:19,990 --> 00:01:15,119

won and used

10
00:01:20,000 --> 00:01:36,390

[Music]

11
00:01:36,400 --> 00:01:40,630

good morning

12
00:01:45,510 --> 00:01:43,350

welcome to rice

13
00:01:48,389 --> 00:01:45,520

i'm david alexander the director of the

14

00:01:51,510 --> 00:01:48,399

space institute here at rice university

15

00:01:53,109 --> 00:01:51,520

i'm so very honored to be here

16

00:01:54,550 --> 00:01:53,119

thank you

17

00:01:56,870 --> 00:01:54,560

it's a very honored to be here sharing

18

00:01:59,670 --> 00:01:56,880

this moment together with all of you

19

00:02:01,670 --> 00:01:59,680

today we remember the iconic speech

20

00:02:04,789 --> 00:02:01,680

that president john f kennedy gave here

21

00:02:06,709 --> 00:02:04,799

at rice stadium exactly 60 years ago

22

00:02:09,510 --> 00:02:06,719

a speech that inspired a nation with the

23

00:02:11,510 --> 00:02:09,520

audacious vision to land a human on the

24

00:02:13,350 --> 00:02:11,520

moon for the first time

25

00:02:14,630 --> 00:02:13,360

the legacy of those words live on to

26

00:02:16,790 --> 00:02:14,640

this day

27

00:02:18,550 --> 00:02:16,800

they inspire and challenge a new

28

00:02:19,589 --> 00:02:18,560

generation of explorers are all sitting

29

00:02:21,510 --> 00:02:19,599

over there

30

00:02:22,390 --> 00:02:21,520

to take up the mantle to return to the

31

00:02:24,309 --> 00:02:22,400

moon

32

00:02:26,390 --> 00:02:24,319

and from there cast our vision deeper

33

00:02:28,550 --> 00:02:26,400

into space and turn our dreams of

34

00:02:29,830 --> 00:02:28,560

humanity's destiny among the stars into

35

00:02:31,589 --> 00:02:29,840

reality

36

00:02:33,750 --> 00:02:31,599

thank you for sharing this celebration

37

00:02:37,350 --> 00:02:33,760

with us

38

00:02:38,630 --> 00:02:37,360

this morning and we thank you all for

39

00:02:41,030 --> 00:02:38,640

being here

40

00:02:43,030 --> 00:02:41,040

i would like to especially acknowledge

41

00:02:46,390 --> 00:02:43,040

those of you who in the audience who

42

00:02:48,550 --> 00:02:46,400

attended that speech all those years ago

43

00:02:53,190 --> 00:02:48,560

please stand and be acknowledged

44

00:02:53,200 --> 00:03:01,270

[Applause]

45

00:03:05,030 --> 00:03:03,030

i would like to also give a shout out to

46

00:03:08,229 --> 00:03:05,040

all of the students who are here from

47

00:03:09,180 --> 00:03:08,239

the houston independent school district

48

00:03:17,589 --> 00:03:09,190

let me hear you

49

00:03:19,110 --> 00:03:17,599

[Applause]

50

00:03:20,149 --> 00:03:19,120

this is this is really what it's all

51

00:03:22,550 --> 00:03:20,159

about

52

00:03:24,309 --> 00:03:22,560

um and to the college students from rice

53

00:03:25,670 --> 00:03:24,319

and our sister universities around the

54

00:03:27,670 --> 00:03:25,680

city

55

00:03:29,830 --> 00:03:27,680

most of you will be alive 40 years from

56

00:03:32,949 --> 00:03:29,840

now when we will be celebrating the

57

00:03:35,270 --> 00:03:32,959

100th anniversary and who knows

58

00:03:36,869 --> 00:03:35,280

perhaps we will even have a live feed

59

00:03:40,869 --> 00:03:36,879

from the women and men living and

60

00:03:44,830 --> 00:03:42,630

with his enduring words president

61

00:03:48,229 --> 00:03:44,840

kennedy inspired a generation of

62

00:03:50,869 --> 00:03:48,239

astronauts scientists engineers and

63

00:03:52,550 --> 00:03:50,879

explorers to make the impossible

64

00:03:54,070 --> 00:03:52,560

possible

65

00:03:56,229 --> 00:03:54,080

join me in learning more about the

66

00:03:57,990 --> 00:03:56,239

impact of the speech and take a moment

67

00:04:00,710 --> 00:03:58,000

to hear from the director of the john f

68

00:04:02,309 --> 00:04:00,720

kennedy library alan price and nasa

69

00:04:14,470 --> 00:04:02,319

deputy administer

70

00:04:18,870 --> 00:04:16,870

pam melroy welcome to the john f kennedy

71

00:04:20,949 --> 00:04:18,880

presidential library and museum it's

72

00:04:22,870 --> 00:04:20,959

great to have you here from nasa thank

73

00:04:24,950 --> 00:04:22,880

you alan it's really an honor to meet

74

00:04:26,950 --> 00:04:24,960

you and it's an honor and a thrill to be

75

00:04:29,110 --> 00:04:26,960

here it's an absolutely

76

00:04:31,270 --> 00:04:29,120

beautiful museum

77

00:04:33,030 --> 00:04:31,280

so let's talk about space and president

78

00:04:33,990 --> 00:04:33,040

kennedy

79

00:04:36,310 --> 00:04:34,000

the

80

00:04:38,310 --> 00:04:36,320

speech at rice university although it

81

00:04:39,430 --> 00:04:38,320

followed a message that he had sent to

82

00:04:42,469 --> 00:04:39,440

congress

83

00:04:45,909 --> 00:04:42,479

in so many ways captured the moment in a

84

00:04:48,310 --> 00:04:45,919

very specific way his direction about

85

00:04:49,990 --> 00:04:48,320

sending a man to the moon

86

00:04:52,710 --> 00:04:50,000

and he talked about doing other things

87

00:04:54,070 --> 00:04:52,720

as well returning him safely by the end

88

00:04:56,790 --> 00:04:54,080

of the decade

89

00:04:58,469 --> 00:04:56,800

it's iconic the speech i think is

90

00:05:01,830 --> 00:04:58,479

remarkable and i'm so glad that it

91

00:05:04,310 --> 00:05:01,840

continues to resonate and inspire today

92

00:05:08,070 --> 00:05:04,320

the uh i think that some people don't

93

00:05:11,749 --> 00:05:08,080

fully appreciate the ambiguity of the

94

00:05:13,749 --> 00:05:11,759

science at that time and how bold that

95

00:05:15,909 --> 00:05:13,759

statement was

96

00:05:17,670 --> 00:05:15,919

and yet this bold statement of we're

97

00:05:18,870 --> 00:05:17,680

going to do it and bring them back

98

00:05:20,790 --> 00:05:18,880

safely

99

00:05:23,110 --> 00:05:20,800

an extraordinary statement

100

00:05:24,790 --> 00:05:23,120

i think it was a statement of belief

101
00:05:26,310 --> 00:05:24,800
in the capability

102
00:05:29,189 --> 00:05:26,320
of america

103
00:05:29,909 --> 00:05:29,199
that we could solve those problems and i

104
00:05:32,070 --> 00:05:29,919
think

105
00:05:33,990 --> 00:05:32,080
that has really stuck with me

106
00:05:34,790 --> 00:05:34,000
one of the things that i see about nasa

107
00:05:39,189 --> 00:05:34,800
is

108
00:05:42,150 --> 00:05:39,199
thing that we want to do

109
00:05:45,270 --> 00:05:42,160
everyone just goes and does it and i

110
00:05:46,710 --> 00:05:45,280
think that speech kind of captured that

111
00:05:48,310 --> 00:05:46,720
well we're going to say we can do it and

112
00:05:49,830 --> 00:05:48,320
then we're we're going to prove to you

113
00:05:59,590 --> 00:05:49,840

that we can

114

00:06:03,590 --> 00:06:01,749

i could pick up on another aspect i

115

00:06:05,350 --> 00:06:03,600

think of president kennedy's vision for

116

00:06:07,189 --> 00:06:05,360

space exploration

117

00:06:08,469 --> 00:06:07,199

though clearly one of the motivators at

118

00:06:09,590 --> 00:06:08,479

the time was

119

00:06:11,749 --> 00:06:09,600

cold war

120

00:06:13,749 --> 00:06:11,759

and concern that sputnik had gone ahead

121

00:06:16,469 --> 00:06:13,759

of us and who's going to grab the high

122

00:06:18,550 --> 00:06:16,479

ground but he had a vision that space

123

00:06:21,189 --> 00:06:18,560

would be an area for international

124

00:06:23,749 --> 00:06:21,199

cooperation and collaboration

125

00:06:25,270 --> 00:06:23,759

it is a beacon for peaceful cooperation

126
00:06:27,189 --> 00:06:25,280
and we're seeing that on the

127
00:06:29,110 --> 00:06:27,199
international space station

128
00:06:30,070 --> 00:06:29,120
with our partners from all around the

129
00:06:32,550 --> 00:06:30,080
world

130
00:06:34,550 --> 00:06:32,560
it is a place that we can continue to

131
00:06:35,350 --> 00:06:34,560
always have conversations with each

132
00:06:38,309 --> 00:06:35,360
other

133
00:06:40,390 --> 00:06:38,319
and work together towards a common goal

134
00:06:49,410 --> 00:06:40,400
even when things are really tense here

135
00:06:49,420 --> 00:06:55,189
[Music]

136
00:06:58,550 --> 00:06:56,070
so

137
00:07:01,270 --> 00:06:58,560
who gets to go to space

138
00:07:05,029 --> 00:07:01,280

we have realized that what we're doing

139

00:07:08,469 --> 00:07:05,039

is so complicated we really need for our

140

00:07:10,629 --> 00:07:08,479

mission a diversity of perspectives

141

00:07:12,309 --> 00:07:10,639

and we have decided to weave that into

142

00:07:14,150 --> 00:07:12,319

the artemis program

143

00:07:17,189 --> 00:07:14,160

we've committed and it will not be hard

144

00:07:18,950 --> 00:07:17,199

to do because we have many

145

00:07:20,950 --> 00:07:18,960

women and people of color in the office

146

00:07:23,189 --> 00:07:20,960

we have committed on the first landing

147

00:07:25,510 --> 00:07:23,199

that there will be the first woman to

148

00:07:26,950 --> 00:07:25,520

set foot on the moon as a part of the

149

00:07:28,710 --> 00:07:26,960

artemis program

150

00:07:30,309 --> 00:07:28,720

and we also have committed throughout

151

00:07:32,710 --> 00:07:30,319

the artemis campaign that the first

152

00:07:36,870 --> 00:07:32,720

person of color will also land on the

153

00:07:39,350 --> 00:07:36,880

moon that is incredibly important to us

154

00:07:40,870 --> 00:07:39,360

super exciting it's about time it is

155

00:07:52,070 --> 00:07:40,880

about time i couldn't agree more

156

00:07:56,150 --> 00:07:54,629

for we meet in an hour of change and

157

00:07:59,029 --> 00:07:56,160

challenge

158

00:08:01,029 --> 00:07:59,039

in a decade of hope and fear

159

00:08:02,390 --> 00:08:01,039

in an age of both knowledge and

160

00:08:04,950 --> 00:08:02,400

ignorance

161

00:08:08,150 --> 00:08:04,960

the greater our knowledge increases

162

00:08:10,710 --> 00:08:08,160

the greater our ignorance unfolds

163

00:08:14,790 --> 00:08:10,720

no man can fully grasp

164

00:08:17,270 --> 00:08:14,800

how far and how fast we have come

165

00:08:19,909 --> 00:08:17,280

but condense if you will

166

00:08:22,550 --> 00:08:19,919

to 50 000 years

167

00:08:26,070 --> 00:08:22,560

of man's recorded history

168

00:08:28,309 --> 00:08:26,080

in a time span of about a half a century

169

00:08:30,469 --> 00:08:28,319

stated in these terms

170

00:08:31,749 --> 00:08:30,479

we know very little about the first 40

171

00:08:33,829 --> 00:08:31,759

years

172

00:08:35,750 --> 00:08:33,839

except at the end of them

173

00:08:38,630 --> 00:08:35,760

advanced men had learned to use the

174

00:08:40,790 --> 00:08:38,640

skins of animals to cover them

175

00:08:42,550 --> 00:08:40,800

then about 10 years ago

176

00:08:44,949 --> 00:08:42,560

under this standard

177

00:08:47,829 --> 00:08:44,959

man emerged from his caves

178

00:08:49,990 --> 00:08:47,839

to construct other kinds of shelter

179

00:08:51,910 --> 00:08:50,000

only five years ago

180

00:08:54,470 --> 00:08:51,920

man learned to write

181

00:08:57,190 --> 00:08:54,480

and use a cart with wheels

182

00:08:58,389 --> 00:08:57,200

christianity began less than two years

183

00:09:01,590 --> 00:08:58,399

ago

184

00:09:04,630 --> 00:09:01,600

the printing press came this year

185

00:09:07,509 --> 00:09:04,640

and then less than two months ago

186

00:09:08,550 --> 00:09:07,519

during this whole 50-year span of human

187

00:09:10,389 --> 00:09:08,560

history

188

00:09:13,030 --> 00:09:10,399

the steam engine

189

00:09:15,990 --> 00:09:13,040

provided a new source of power

190

00:09:17,590 --> 00:09:16,000

newton explored the meaning of gravity

191

00:09:20,230 --> 00:09:17,600

last month

192

00:09:22,630 --> 00:09:20,240

electric lights and telephones and

193

00:09:23,910 --> 00:09:22,640

automobiles and airplanes became

194

00:09:25,990 --> 00:09:23,920

available

195

00:09:29,030 --> 00:09:26,000

only last week

196

00:09:30,710 --> 00:09:29,040

we developed penicillin and television

197

00:09:34,389 --> 00:09:30,720

and nuclear power

198

00:09:36,949 --> 00:09:34,399

and now if america's new spacecraft

199

00:09:39,910 --> 00:09:36,959

succeeds in reaching venus

200

00:09:42,150 --> 00:09:39,920

we will have literally reached the stars

201
00:09:44,630 --> 00:09:42,160
before midnight tonight

202
00:09:47,509 --> 00:09:44,640
this is a breathtaking pace

203
00:09:49,670 --> 00:09:47,519
and such a pace cannot help

204
00:09:51,910 --> 00:09:49,680
but create new ills

205
00:09:54,389 --> 00:09:51,920
as it dispels old

206
00:09:56,230 --> 00:09:54,399
new ignorance new problems

207
00:09:59,350 --> 00:09:56,240
new dangers

208
00:10:01,269 --> 00:09:59,360
surely the opening vistas of space

209
00:10:02,790 --> 00:10:01,279
promise high costs

210
00:10:05,110 --> 00:10:02,800
and hardships

211
00:10:07,750 --> 00:10:05,120
as well as high reward

212
00:10:09,750 --> 00:10:07,760
so it is not surprising

213
00:10:14,470 --> 00:10:09,760

that some would have us stay where we

214

00:10:16,870 --> 00:10:14,480
are a little longer to rest to wait

215

00:10:18,790 --> 00:10:16,880
if this capsule history of our progress

216

00:10:20,870 --> 00:10:18,800
teaches us anything

217

00:10:23,350 --> 00:10:20,880
it is that man in his quest for

218

00:10:26,069 --> 00:10:23,360
knowledge and progress is determined and

219

00:10:28,710 --> 00:10:26,079
cannot be deterred

220

00:10:31,190 --> 00:10:28,720
those who came before us

221

00:10:32,550 --> 00:10:31,200
made certain that this country rode the

222

00:10:35,030 --> 00:10:32,560
first waves

223

00:10:37,910 --> 00:10:35,040
of the industrial revolution

224

00:10:40,389 --> 00:10:37,920
the first waves of modern invention

225

00:10:43,990 --> 00:10:40,399
and the first wave of nuclear power

226

00:10:46,550 --> 00:10:44,000

and this generation does not intend

227

00:10:48,710 --> 00:10:46,560

to found her in the backwash of the

228

00:10:51,350 --> 00:10:48,720

coming age of space

229

00:10:54,310 --> 00:10:51,360

but why some say the move

230

00:10:56,310 --> 00:10:54,320

why choose this as our goal

231

00:10:58,790 --> 00:10:56,320

and they may well ask

232

00:11:01,110 --> 00:10:58,800

why climb the highest mountain

233

00:11:02,790 --> 00:11:01,120

why 35 years ago

234

00:11:04,949 --> 00:11:02,800

fly the atlantic

235

00:11:07,750 --> 00:11:04,959

why does rice play texas

236

00:11:20,230 --> 00:11:07,760

we choose to go to the moon

237

00:11:22,710 --> 00:11:20,240

decade and do the other things

238

00:11:24,790 --> 00:11:22,720

not because they are easy but because

239

00:11:26,550 --> 00:11:24,800

they are hard because that goal will

240

00:11:28,389 --> 00:11:26,560

serve to measure to the best of our

241

00:11:30,150 --> 00:11:28,399

energies and skills because that

242

00:11:31,430 --> 00:11:30,160

challenge is one that we are willing to

243

00:11:34,630 --> 00:11:31,440

accept

244

00:11:39,220 --> 00:11:34,640

one we are unwilling to postpone and one

245

00:11:39,230 --> 00:11:50,230

[Music]

246

00:11:54,150 --> 00:11:52,310

we do not intend to stay behind and in

247

00:11:55,990 --> 00:11:54,160

this decade we shall make up and move

248

00:11:57,750 --> 00:11:56,000

ahead the growth of our science and

249

00:11:59,350 --> 00:11:57,760

education will be enriched by new

250

00:12:01,269 --> 00:11:59,360

knowledge of our universe and

251
00:12:03,350 --> 00:12:01,279
environment buy new techniques of

252
00:12:05,269 --> 00:12:03,360
learning and mapping and observation my

253
00:12:19,990 --> 00:12:05,279
new tools and computers for industry

254
00:12:24,069 --> 00:12:21,910
what was once the first outpost on the

255
00:12:26,069 --> 00:12:24,079
old frontier of the west will now be the

256
00:12:29,030 --> 00:12:26,079
furthest outpost on the new frontier of

257
00:12:31,750 --> 00:12:29,040
science and space this is insta-measure

258
00:12:34,790 --> 00:12:31,760
an act of faith and vision for we do not

259
00:12:37,350 --> 00:12:34,800
now know what benefits await us

260
00:12:40,389 --> 00:12:37,360
my fellow americans i give you the

261
00:12:42,790 --> 00:12:40,399
heroes of the future who will carry us

262
00:12:51,200 --> 00:12:42,800
back to the moon and beyond

263
00:12:51,210 --> 00:13:02,870

[Music]

264

00:13:08,790 --> 00:13:06,150

to do all of this and do it right and do

265

00:13:11,590 --> 00:13:08,800

it first before this decade is out

266

00:13:14,310 --> 00:13:11,600

we must be bold

267

00:13:16,150 --> 00:13:14,320

and therefore as we set cell we ask

268

00:13:19,110 --> 00:13:16,160

god's blessing on the most hazardous

269

00:13:21,010 --> 00:13:19,120

dangerous greatest greatest adventure on

270

00:13:34,790 --> 00:13:21,020

which man has ever embarked

271

00:13:38,310 --> 00:13:36,710

what a fantastic video i mean it really

272

00:13:40,629 --> 00:13:38,320

doesn't get old and i hope you have a

273

00:13:44,389 --> 00:13:40,639

chance to listen to those words and i'm

274

00:13:49,110 --> 00:13:46,629

um i'd like to start today's live

275

00:13:51,269 --> 00:13:49,120

programming by welcome to the stage

276

00:13:53,430 --> 00:13:51,279

professor reggie de roche the eighth

277

00:14:02,470 --> 00:13:53,440

president of rice university

278

00:14:02,480 --> 00:14:06,389

thank you david

279

00:14:06,399 --> 00:14:12,150

i still get chills when i see that video

280

00:14:14,949 --> 00:14:13,509

before i begin

281

00:14:17,829 --> 00:14:14,959

i want to thank all of you for being

282

00:14:19,430 --> 00:14:17,839

here and we know it's hot and humid but

283

00:14:21,750 --> 00:14:19,440

we will all be very brief with our

284

00:14:24,470 --> 00:14:21,760

remarks

285

00:14:26,550 --> 00:14:24,480

in the audience we have astronauts

286

00:14:29,110 --> 00:14:26,560

elected officials

287

00:14:33,030 --> 00:14:29,120

rice border trustees

288

00:14:35,189 --> 00:14:33,040

rice faculty staff students and alumni

289

00:14:36,949 --> 00:14:35,199

and leadership from nasa and the johnson

290

00:14:38,870 --> 00:14:36,959

space center

291

00:14:40,470 --> 00:14:38,880

i want to extend a special welcome to

292

00:14:42,230 --> 00:14:40,480

the thousands of students here from the

293

00:14:49,509 --> 00:14:42,240

houston independent school district

294

00:14:53,670 --> 00:14:51,189

and again i want to acknowledge all of

295

00:14:56,389 --> 00:14:53,680

the rice alumni here today

296

00:14:57,910 --> 00:14:56,399

who were in wright stadium 60 years ago

297

00:15:00,230 --> 00:14:57,920

it's amazing that so many of you could

298

00:15:02,389 --> 00:15:00,240

join us

299

00:15:04,310 --> 00:15:02,399

we gather here in rice stadium

300

00:15:06,949 --> 00:15:04,320

to celebrate a challenge

301

00:15:08,870 --> 00:15:06,959

and to renew a commitment

302

00:15:10,550 --> 00:15:08,880

let us remember that throughout almost

303

00:15:12,310 --> 00:15:10,560

all of human history

304

00:15:16,069 --> 00:15:12,320

people looked into the night sky and

305

00:15:18,870 --> 00:15:16,079

beheld the moon as a distant wonder

306

00:15:21,430 --> 00:15:18,880

something eternally out of reach

307

00:15:23,910 --> 00:15:21,440

flying to the moon was a metaphor for

308

00:15:25,990 --> 00:15:23,920

the impossible

309

00:15:27,509 --> 00:15:26,000

but here in the stadium 60 years ago

310

00:15:28,710 --> 00:15:27,519

president john f kennedy boldly

311

00:15:30,470 --> 00:15:28,720

proclaimed

312

00:15:33,990 --> 00:15:30,480

that his generation would choose to make

313

00:15:36,150 --> 00:15:34,000

what seemed impossible a reality

314

00:15:38,310 --> 00:15:36,160

one of rice's alumni bill broyles who

315

00:15:39,829 --> 00:15:38,320

sat in the stadium on that day

316

00:15:41,189 --> 00:15:39,839

would later put it succinctly when he

317

00:15:43,030 --> 00:15:41,199

wrote the screenplay for the movie

318

00:15:44,870 --> 00:15:43,040

apollo 13.

319

00:15:47,590 --> 00:15:44,880

it's not a miracle

320

00:15:49,350 --> 00:15:47,600

we just decided to go

321

00:15:51,670 --> 00:15:49,360

with seven words

322

00:15:53,430 --> 00:15:51,680

we choose to go to the moon

323

00:15:54,629 --> 00:15:53,440

president kennedy changed the course of

324

00:15:57,110 --> 00:15:54,639

human history

325

00:16:00,150 --> 00:15:57,120

and cemented rice university's place in

326

00:16:02,470 --> 00:16:00,160

the lore of america's space program

327

00:16:04,389 --> 00:16:02,480

kennedy had established the goal of

328

00:16:06,550 --> 00:16:04,399

landing astronauts on the moon more than

329

00:16:08,069 --> 00:16:06,560

a year earlier in a joint session of

330

00:16:09,990 --> 00:16:08,079

congress

331

00:16:12,710 --> 00:16:10,000

but it was the challenge he issued here

332

00:16:14,230 --> 00:16:12,720

at rice that put the space race into

333

00:16:16,389 --> 00:16:14,240

overdrive

334

00:16:18,470 --> 00:16:16,399

within months of kennedy's speech rice

335

00:16:21,509 --> 00:16:18,480

provided nasa the land for the johnson

336

00:16:23,189 --> 00:16:21,519

space center and became one of america's

337

00:16:26,069 --> 00:16:23,199

first universities to establish a

338

00:16:28,629 --> 00:16:26,079

department of space science

339

00:16:29,590 --> 00:16:28,639

within 18 months satellites built at

340

00:16:31,910 --> 00:16:29,600

rice

341

00:16:34,230 --> 00:16:31,920

were being launched into orbit atop

342

00:16:36,629 --> 00:16:34,240

american rockets

343

00:16:38,550 --> 00:16:36,639

by the time apollo 11 landed

344

00:16:40,470 --> 00:16:38,560

several dozen graduate students and

345

00:16:41,829 --> 00:16:40,480

countless undergraduates had helped

346

00:16:44,069 --> 00:16:41,839

build instruments

347

00:16:47,990 --> 00:16:44,079

that made historic breakthroughs and

348

00:16:50,550 --> 00:16:48,000

remain on the surface of the moon today

349

00:16:52,470 --> 00:16:50,560

over the following six decades the ties

350

00:16:55,509 --> 00:16:52,480

that formed between nasa and rice in the

351
00:16:57,749 --> 00:16:55,519
early 1960s have continued to grow and

352
00:17:00,470 --> 00:16:57,759
support our nation's exploration goals

353
00:17:02,150 --> 00:17:00,480
and advancement of human and robotic

354
00:17:03,829 --> 00:17:02,160
space flight

355
00:17:06,150 --> 00:17:03,839
rice researchers played a key role in

356
00:17:08,150 --> 00:17:06,160
building the hubble space telescope

357
00:17:10,150 --> 00:17:08,160
and rice faculty were co-investigators

358
00:17:12,390 --> 00:17:10,160
on numerous robotic explorations of the

359
00:17:13,750 --> 00:17:12,400
suns and planets

360
00:17:15,429 --> 00:17:13,760
and they have a supporting role in

361
00:17:17,110 --> 00:17:15,439
nasa's current mission to the moon

362
00:17:18,949 --> 00:17:17,120
artemis

363
00:17:20,549 --> 00:17:18,959

rice's proud heritage of collaborating

364

00:17:22,549 --> 00:17:20,559

with nasa since the space agency's

365

00:17:24,630 --> 00:17:22,559

founding is evident all over our

366

00:17:26,789 --> 00:17:24,640

beautiful campus

367

00:17:30,310 --> 00:17:26,799

outside this very stadium there is a

368

00:17:33,190 --> 00:17:30,320

moon tree donated to rice by rosemary

369

00:17:34,789 --> 00:17:33,200

roosa who's in the stadium with us today

370

00:17:37,590 --> 00:17:34,799

she's the daughter of apollo 14

371

00:17:39,830 --> 00:17:37,600

astronaut stuart russo

372

00:17:42,390 --> 00:17:39,840

rice is privileged to be a partner in

373

00:17:43,750 --> 00:17:42,400

pursuits related to space exploration

374

00:17:46,470 --> 00:17:43,760

and to be part of an historic

375

00:17:47,909 --> 00:17:46,480

collaboration with nasa that supports

376

00:17:51,270 --> 00:17:47,919

some of the world's most important

377

00:17:53,590 --> 00:17:51,280

research and educational outreach

378

00:17:56,549 --> 00:17:53,600

simply put we are partners in the

379

00:17:58,830 --> 00:17:56,559

pursuit of knowledge

380

00:18:02,150 --> 00:17:58,840

such knowledge in the words of john f

381

00:18:05,590 --> 00:18:02,160

kennedy must be won and used for the

382

00:18:07,270 --> 00:18:05,600

progress of all people

383

00:18:08,390 --> 00:18:07,280

now a new generation chooses to go to

384

00:18:09,750 --> 00:18:08,400

the moon

385

00:18:12,390 --> 00:18:09,760

and once again

386

00:18:15,990 --> 00:18:12,400

rice proudly takes wing with nasa

387

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

and a nation destined for the stars

388

00:18:20,150 --> 00:18:18,160

and now i invite johnson space center

389

00:18:23,470 --> 00:18:20,160

director vanessa weiss to the podium

390

00:18:23,480 --> 00:18:34,230

[Applause]

391

00:18:40,310 --> 00:18:37,590

thank you president derose

392

00:18:42,789 --> 00:18:40,320

good morning distinguished guests

393

00:18:45,029 --> 00:18:42,799

elected officials and the greater

394

00:18:47,350 --> 00:18:45,039

houston community

395

00:18:49,750 --> 00:18:47,360

i'd like to especially welcome the

396

00:18:57,830 --> 00:18:49,760

hundreds of students from the houston

397

00:19:03,190 --> 00:19:00,549

i'd also like to recognize the employees

398

00:19:06,150 --> 00:19:03,200

from nasa's johnson space center and

399

00:19:09,350 --> 00:19:06,160

from all across the agency

400

00:19:10,710 --> 00:19:09,360

and a special welcome to the nasa alumni

401
00:19:14,070 --> 00:19:10,720
league

402
00:19:17,990 --> 00:19:15,909
nasa workforce

403
00:19:21,190 --> 00:19:18,000
many were a part of the history that

404
00:19:23,270 --> 00:19:21,200
we're celebrating today

405
00:19:26,470 --> 00:19:23,280
i'm vanessa weich

406
00:19:28,950 --> 00:19:26,480
director of nasa's johnson space center

407
00:19:30,070 --> 00:19:28,960
and i'm honored to be here with all of

408
00:19:32,310 --> 00:19:30,080
you

409
00:19:34,549 --> 00:19:32,320
to commemorate president kennedy's

410
00:19:37,110 --> 00:19:34,559
historic speech

411
00:19:39,590 --> 00:19:37,120
and the important role houston has

412
00:19:41,430 --> 00:19:39,600
played in shaping our nation's space

413
00:19:43,350 --> 00:19:41,440

program

414

00:19:44,870 --> 00:19:43,360

this year is very special at johnson

415

00:19:49,110 --> 00:19:44,880

space center

416

00:19:51,270 --> 00:19:49,120

we're celebrating 60 years in houston

417

00:19:53,669 --> 00:19:51,280

from landing man on the moon

418

00:19:54,630 --> 00:19:53,679

to sustaining a presence in low earth

419

00:19:56,630 --> 00:19:54,640

orbit

420

00:19:58,470 --> 00:19:56,640

via the space shuttle

421

00:19:59,909 --> 00:19:58,480

and assembling the international space

422

00:20:01,830 --> 00:19:59,919

station

423

00:20:03,669 --> 00:20:01,840

johnson has been

424

00:20:07,430 --> 00:20:03,679

the iconic beginning of some of

425

00:20:10,470 --> 00:20:07,440

humankind's greatest achievements

426

00:20:13,190 --> 00:20:10,480

when you dream big you can achieve what

427

00:20:15,669 --> 00:20:13,200

seemed impossible

428

00:20:18,230 --> 00:20:15,679

nasa proved this when it met president

429

00:20:22,789 --> 00:20:18,240

kennedy's challenge to put americans on

430

00:20:24,950 --> 00:20:22,799

the moon within a decade in the 1960s

431

00:20:27,590 --> 00:20:24,960

the apollo program captured the world's

432

00:20:30,870 --> 00:20:27,600

attention and demonstrated the power of

433

00:20:32,950 --> 00:20:30,880

america's vision and technology to

434

00:20:35,110 --> 00:20:32,960

ignite generations

435

00:20:38,870 --> 00:20:35,120

of great achievements

436

00:20:40,310 --> 00:20:38,880

exploration and scientific discovery

437

00:20:42,950 --> 00:20:40,320

at johnson

438

00:20:46,070 --> 00:20:42,960

i'm privileged to lead more than 11 000

439

00:20:47,350 --> 00:20:46,080
employees who work each day

440

00:20:49,830 --> 00:20:47,360
to dare

441

00:20:51,750 --> 00:20:49,840
unite and explore

442

00:20:53,750 --> 00:20:51,760
and lead the world in human space

443

00:20:56,789 --> 00:20:53,760
exploration

444

00:20:59,590 --> 00:20:56,799
as the home to america's astronaut corps

445

00:21:02,870 --> 00:20:59,600
international space station orion and

446

00:21:04,789 --> 00:21:02,880
gateway programs and a host of future

447

00:21:07,590 --> 00:21:04,799
space developments

448

00:21:10,630 --> 00:21:07,600
our team plays a pivotal role in

449

00:21:14,870 --> 00:21:10,640
enhancing scientific and technological

450

00:21:16,549 --> 00:21:14,880
knowledge to benefit all of humankind

451
00:21:18,950 --> 00:21:16,559
nasa's journeys have proved

452
00:21:21,750 --> 00:21:18,960
technological breakthroughs push the

453
00:21:25,270 --> 00:21:21,760
frontiers of scientific research and

454
00:21:28,950 --> 00:21:25,280
expand our understanding of the universe

455
00:21:31,350 --> 00:21:28,960
these accomplishments and those to come

456
00:21:33,510 --> 00:21:31,360
share a common genesis

457
00:21:37,270 --> 00:21:33,520
education in science

458
00:21:38,630 --> 00:21:37,280
technology engineering and math

459
00:21:40,789 --> 00:21:38,640
and for me

460
00:21:44,710 --> 00:21:40,799
that involves increasing academic

461
00:21:46,630 --> 00:21:44,720
partnerships in nasa projects enhancing

462
00:21:49,669 --> 00:21:46,640
high school education

463
00:21:52,470 --> 00:21:49,679

supporting underrepresented communities

464

00:21:55,029 --> 00:21:52,480

strengthening online education and

465

00:21:57,110 --> 00:21:55,039

boosting nasa's contribution to informal

466

00:21:59,029 --> 00:21:57,120

education

467

00:22:02,149 --> 00:21:59,039

the intended outcome

468

00:22:05,830 --> 00:22:02,159

is a generation prepared to code

469

00:22:09,909 --> 00:22:05,840

calculate design and discover its way to

470

00:22:12,310 --> 00:22:09,919

a new era of american innovation

471

00:22:15,029 --> 00:22:12,320

we seek to create opportunities for a

472

00:22:17,110 --> 00:22:15,039

diverse set of students to contribute to

473

00:22:19,350 --> 00:22:17,120

nasa's work and exploration

474

00:22:22,149 --> 00:22:19,360

and discover

475

00:22:24,149 --> 00:22:22,159

recently i signed space act agreements

476
00:22:25,590 --> 00:22:24,159
with all of the universities in our

477
00:22:26,390 --> 00:22:25,600
local area

478
00:22:28,070 --> 00:22:26,400
including

479
00:22:31,350 --> 00:22:28,080
rice university

480
00:22:33,270 --> 00:22:31,360
to enhance our academic partnerships

481
00:22:35,190 --> 00:22:33,280
with our artemis moon to mars

482
00:22:37,750 --> 00:22:35,200
exploration program

483
00:22:39,669 --> 00:22:37,760
nasa will put the first woman and the

484
00:22:41,750 --> 00:22:39,679
first person of color

485
00:22:50,950 --> 00:22:41,760
on the lunar surface

486
00:22:56,470 --> 00:22:53,430
and in lunar orbit

487
00:22:59,190 --> 00:22:56,480
then we will use what we learned to take

488
00:23:06,310 --> 00:22:59,200

the next giant leap

489

00:23:12,390 --> 00:23:08,470

our goal at johnson space center for the

490

00:23:15,029 --> 00:23:12,400

next 60 years is to make texas a global

491

00:23:17,830 --> 00:23:15,039

hub of human exploration

492

00:23:20,390 --> 00:23:17,840

such that any country or entity that

493

00:23:23,430 --> 00:23:20,400

desires to work in low earth orbit all

494

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

around the moon on the surface

495

00:23:26,710 --> 00:23:25,520

further in the cosmos

496

00:23:28,870 --> 00:23:26,720

can begin

497

00:23:39,270 --> 00:23:28,880

their next giant leap

498

00:23:42,230 --> 00:23:41,110

as you listen to the guest speakers

499

00:23:45,830 --> 00:23:42,240

today

500

00:23:48,149 --> 00:23:45,840

i challenge everyone to get involved and

501
00:23:49,750 --> 00:23:48,159
help us grow the next generation of

502
00:23:51,750 --> 00:23:49,760
explorers

503
00:23:55,029 --> 00:23:51,760
our sons and daughters

504
00:23:57,270 --> 00:23:55,039
nieces and nephews and neighbors

505
00:24:01,110 --> 00:23:57,280
together we will inspire the next

506
00:24:03,430 --> 00:24:01,120
generation the artemis generation

507
00:24:04,950 --> 00:24:03,440
for the students in the audience i hope

508
00:24:07,110 --> 00:24:04,960
you'll join us

509
00:24:08,710 --> 00:24:07,120
as an intern one day

510
00:24:10,630 --> 00:24:08,720
and to the public

511
00:24:13,669 --> 00:24:10,640
if you haven't been to the clear lake

512
00:24:17,750 --> 00:24:13,679
area lately i invite you to join us to

513
00:24:20,789 --> 00:24:17,760

learn more about human space exploration

514

00:24:23,110 --> 00:24:20,799

leaps start here

515

00:24:24,950 --> 00:24:23,120

we have a very special guest joining us

516

00:24:27,190 --> 00:24:24,960

this morning

517

00:24:30,870 --> 00:24:27,200

administrator bill nelson has served in

518

00:24:34,310 --> 00:24:30,880

public office for over four decades

519

00:24:37,510 --> 00:24:34,320

first in the state legislator and u.s

520

00:24:40,149 --> 00:24:37,520

congress then as a state treasurer

521

00:24:42,230 --> 00:24:40,159

he was elected three times to the united

522

00:24:46,510 --> 00:24:42,240

states senate

523

00:24:48,230 --> 00:24:46,520

representing florida for 18 years in

524

00:24:51,110 --> 00:24:48,240

1986

525

00:24:53,830 --> 00:24:51,120

administrator nelson flew on the 24th

526

00:24:55,909 --> 00:24:53,840

flight of the space shuttle

527

00:24:59,909 --> 00:24:55,919

the mission on columbia orbited the

528

00:25:02,390 --> 00:24:59,919

earth 98 times over six days

529

00:25:04,310 --> 00:25:02,400

administrator nelson conducted 12

530

00:25:06,789 --> 00:25:04,320

medical experiments

531

00:25:08,310 --> 00:25:06,799

including the first american stress test

532

00:25:10,630 --> 00:25:08,320

in space

533

00:25:12,830 --> 00:25:10,640

and a cancer research experiment

534

00:25:15,830 --> 00:25:12,840

sponsored by university

535

00:25:19,350 --> 00:25:15,840

researchers please join me

536

00:25:31,909 --> 00:25:19,360

in giving a big texas welcome to nasa

537

00:25:38,470 --> 00:25:35,990

if it's any consolation to you students

538

00:25:41,110 --> 00:25:38,480

it was as hot

539

00:25:46,870 --> 00:25:41,120

60 years ago in this stadium with the

540

00:25:51,350 --> 00:25:49,110

director wise and members of the nasa

541

00:25:53,990 --> 00:25:51,360

family

542

00:25:56,710 --> 00:25:54,000

president the roach and the rice

543

00:26:01,190 --> 00:25:56,720

community

544

00:26:02,630 --> 00:26:01,200

chairman woman eddie bernice johnson

545

00:26:06,470 --> 00:26:02,640

my friend

546

00:26:10,950 --> 00:26:08,470

my very good friend

547

00:26:13,909 --> 00:26:10,960

sheila jackson lee

548

00:26:15,590 --> 00:26:13,919

my old friend al green

549

00:26:18,710 --> 00:26:15,600

my new friends

550

00:26:23,430 --> 00:26:18,720

sylvia garcia and lizzie fletcher

551
00:26:27,590 --> 00:26:24,870
and of course

552
00:26:30,470 --> 00:26:27,600
the educators and students from the

553
00:26:34,630 --> 00:26:30,480
houston independent school district

554
00:26:36,870 --> 00:26:34,640
so thank all of you for being here

555
00:26:40,470 --> 00:26:36,880
i'm going to be merciful to you because

556
00:26:45,669 --> 00:26:43,510
throughout america's story there are

557
00:26:46,870 --> 00:26:45,679
defining days

558
00:26:50,230 --> 00:26:46,880
days

559
00:26:53,190 --> 00:26:50,240
when minds change hearts fill

560
00:26:55,750 --> 00:26:53,200
and imagination soar

561
00:26:58,630 --> 00:26:55,760
days when visions transformed the

562
00:27:01,350 --> 00:26:58,640
trajectory of the american story which

563
00:27:03,750 --> 00:27:01,360

is our story

564

00:27:05,190 --> 00:27:03,760

and one of those days happened 60 years

565

00:27:07,830 --> 00:27:05,200

ago

566

00:27:10,630 --> 00:27:07,840

it happened in this same city

567

00:27:12,230 --> 00:27:10,640

at this same stadium in the same

568

00:27:15,750 --> 00:27:12,240

sweltering heat

569

00:27:19,190 --> 00:27:15,760

of a sunny september day

570

00:27:22,390 --> 00:27:19,200

and on that day 60 years ago seven

571

00:27:23,909 --> 00:27:22,400

famous words that you've heard repeated

572

00:27:26,870 --> 00:27:23,919

carried across

573

00:27:30,630 --> 00:27:26,880

this stadium and across the country

574

00:27:33,269 --> 00:27:30,640

we choose to go to the moon

575

00:27:34,390 --> 00:27:33,279

president kennedy knew that vision would

576
00:27:38,789 --> 00:27:34,400
be hard

577
00:27:41,110 --> 00:27:38,799
not easy he made that clear he said

578
00:27:43,669 --> 00:27:41,120
what he said

579
00:27:45,510 --> 00:27:43,679
we choose to go to the moon in this

580
00:27:48,470 --> 00:27:45,520
decade

581
00:27:51,029 --> 00:27:48,480
and do other things

582
00:27:53,350 --> 00:27:51,039
not because they are easy but because

583
00:27:54,789 --> 00:27:53,360
they are hard

584
00:27:57,430 --> 00:27:54,799
he understood

585
00:28:02,470 --> 00:27:57,440
we still had to make major scientific

586
00:28:04,549 --> 00:28:02,480
and societal advances but he also sense

587
00:28:08,470 --> 00:28:04,559
something else

588
00:28:11,269 --> 00:28:08,480

our country's can-do spirit

589

00:28:14,230 --> 00:28:11,279

it's a spirit that drives us to make the

590

00:28:17,909 --> 00:28:14,240

impossible possible

591

00:28:20,870 --> 00:28:17,919

and 60 years ago we came together to do

592

00:28:23,990 --> 00:28:20,880

just that

593

00:28:25,590 --> 00:28:24,000

the space program propelled to the

594

00:28:28,070 --> 00:28:25,600

forefront

595

00:28:31,590 --> 00:28:28,080

of culture and consciousness it

596

00:28:33,430 --> 00:28:31,600

galvanized a historic effort

597

00:28:36,549 --> 00:28:33,440

that we are now

598

00:28:39,830 --> 00:28:36,559

the stewards of

599

00:28:42,389 --> 00:28:39,840

we must never stop daring to take the

600

00:28:45,350 --> 00:28:42,399

next moonshine

601
00:28:47,269 --> 00:28:45,360
and moonshots don't just happen in the

602
00:28:49,990 --> 00:28:47,279
cosmos

603
00:28:53,029 --> 00:28:50,000
but also here on earth

604
00:28:54,470 --> 00:28:53,039
so it is today at the john f kennedy

605
00:28:57,269 --> 00:28:54,480
library

606
00:29:00,710 --> 00:28:57,279
that president joe biden is taking the

607
00:29:06,310 --> 00:29:00,720
cancer moonshot to new heights

608
00:29:07,830 --> 00:29:06,320
we can end cancer as we know it

609
00:29:10,389 --> 00:29:07,840
and today

610
00:29:13,669 --> 00:29:10,399
in space city

611
00:29:15,909 --> 00:29:13,679
a new generation the artemis generation

612
00:29:19,510 --> 00:29:15,919
stands ready

613
00:29:22,950 --> 00:29:19,520

ready to return humanity to the moon and

614

00:29:24,710 --> 00:29:22,960

then to take us further than ever before

615

00:29:27,110 --> 00:29:24,720

to mars

616

00:29:29,590 --> 00:29:27,120

it's not going to be easy

617

00:29:32,389 --> 00:29:29,600

it's going to be hard

618

00:29:33,430 --> 00:29:32,399

some things never change

619

00:29:37,830 --> 00:29:33,440

but

620

00:29:41,029 --> 00:29:37,840

even after 60 years they don't change

621

00:29:44,230 --> 00:29:41,039

some nations on our planet do not engage

622

00:29:47,190 --> 00:29:44,240

in our mission of goodwill

623

00:29:50,549 --> 00:29:47,200

but we go in peace

624

00:29:53,190 --> 00:29:50,559

as president kennedy said

625

00:29:54,549 --> 00:29:53,200

and today we have invited other peoples

626
00:29:57,269 --> 00:29:54,559
of the earth

627
00:30:00,950 --> 00:29:57,279
to join us in this great

628
00:30:03,990 --> 00:30:00,960
international adventure

629
00:30:05,510 --> 00:30:04,000
doing what is hard and achieving what is

630
00:30:09,830 --> 00:30:05,520
great

631
00:30:12,630 --> 00:30:09,840
that is what stirs humankind

632
00:30:15,909 --> 00:30:12,640
that's what unites us

633
00:30:19,430 --> 00:30:15,919
with inspiration and innovation

634
00:30:23,350 --> 00:30:19,440
no herculean effort is too large

635
00:30:26,070 --> 00:30:23,360
no moonshot is beyond our reach

636
00:30:28,950 --> 00:30:26,080
you've seen already the james webb space

637
00:30:32,470 --> 00:30:28,960
telescope it's giving humanity a new

638
00:30:35,350 --> 00:30:32,480

view of our universe and we have never

639

00:30:37,830 --> 00:30:35,360

ever seen that before

640

00:30:40,470 --> 00:30:37,840

and from the new forming of stars to

641

00:30:44,310 --> 00:30:40,480

devouring black holes

642

00:30:45,590 --> 00:30:44,320

this telescope is revealing all this and

643

00:30:47,669 --> 00:30:45,600

more

644

00:30:49,750 --> 00:30:47,679

and now the artist

645

00:30:52,230 --> 00:30:49,760

generation is about

646

00:30:56,310 --> 00:30:52,240

to leave quite a mark

647

00:30:59,909 --> 00:30:56,320

this generation all of you

648

00:31:01,990 --> 00:30:59,919

students from all over america students

649

00:31:04,950 --> 00:31:02,000

throughout the world

650

00:31:06,310 --> 00:31:04,960

this generation will choose to go to

651
00:31:09,909 --> 00:31:06,320
mars

652
00:31:14,470 --> 00:31:09,919
and that journey begins right now

653
00:31:16,950 --> 00:31:14,480
with humanity's return to the moon

654
00:31:20,470 --> 00:31:16,960
obviously we had all hoped that artemis

655
00:31:22,950 --> 00:31:20,480
1 will already be on the way to the moon

656
00:31:25,830 --> 00:31:22,960
but the nasa team has been working

657
00:31:28,630 --> 00:31:25,840
around the clock their resolve and

658
00:31:32,149 --> 00:31:28,640
perseverance are unrivaled

659
00:31:33,830 --> 00:31:32,159
and i have full faith in this team and

660
00:31:37,029 --> 00:31:33,840
the mission

661
00:31:41,350 --> 00:31:37,039
we will launch when we are ready

662
00:31:44,389 --> 00:31:41,360
but mark my words we are going

663
00:31:47,830 --> 00:31:44,399

and when the final go is given

664

00:31:50,149 --> 00:31:47,840

artemis one will roar to life

665

00:31:53,350 --> 00:31:50,159

and soar to the moon

666

00:31:56,950 --> 00:31:53,360

and every observation we make and every

667

00:31:58,430 --> 00:31:56,960

lesson we learn on this vertis artemis

668

00:32:00,549 --> 00:31:58,440

journey

669

00:32:03,750 --> 00:32:00,559

prepares us

670

00:32:05,350 --> 00:32:03,760

and the way for humans to mention even

671

00:32:06,950 --> 00:32:05,360

further

672

00:32:09,190 --> 00:32:06,960

ladies and gentlemen

673

00:32:10,389 --> 00:32:09,200

mars is calling

674

00:32:14,389 --> 00:32:10,399

why

675

00:32:17,990 --> 00:32:14,399

because it's in our dna to explore

676
00:32:19,269 --> 00:32:18,000
billions of years ago the dry toxic red

677
00:32:21,669 --> 00:32:19,279
planet

678
00:32:24,950 --> 00:32:21,679
we know as mars might

679
00:32:27,350 --> 00:32:24,960
have once been like the earth

680
00:32:29,909 --> 00:32:27,360
where did the water go why did the

681
00:32:32,310 --> 00:32:29,919
atmosphere change

682
00:32:34,230 --> 00:32:32,320
humans can discover much more than

683
00:32:37,029 --> 00:32:34,240
robotic explorers

684
00:32:39,590 --> 00:32:37,039
we are more efficient not to mention

685
00:32:41,909 --> 00:32:39,600
our intuition

686
00:32:44,310 --> 00:32:41,919
and these missions of tomorrow will be

687
00:32:47,269 --> 00:32:44,320
sparked by the accomplishments

688
00:32:49,269 --> 00:32:47,279

of the artemis generation today

689

00:32:51,190 --> 00:32:49,279

it's a new era

690

00:32:53,269 --> 00:32:51,200

of pioneers

691

00:32:56,389 --> 00:32:53,279

star sailors

692

00:32:59,190 --> 00:32:56,399

thinkers and adventurers

693

00:33:02,789 --> 00:32:59,200

they are ready to learn what it will

694

00:33:05,750 --> 00:33:02,799

take to establish a new community on a

695

00:33:08,630 --> 00:33:05,760

cosmic shore

696

00:33:11,350 --> 00:33:08,640

60 years ago president kennedy put wind

697

00:33:14,950 --> 00:33:11,360

in our sails on the new sea

698

00:33:16,549 --> 00:33:14,960

of space exploration and that mission is

699

00:33:19,350 --> 00:33:16,559

never ending

700

00:33:22,230 --> 00:33:19,360

it's a mission about science and the

701
00:33:25,350 --> 00:33:22,240
advancement of the human spirit to

702
00:33:29,190 --> 00:33:25,360
expand what is possible

703
00:33:30,870 --> 00:33:29,200
let us continue the quest to unfold this

704
00:33:34,789 --> 00:33:30,880
universe

705
00:33:36,630 --> 00:33:34,799
and let us continue to find unity in our

706
00:33:38,470 --> 00:33:36,640
discovery

707
00:33:42,149 --> 00:33:38,480
so together

708
00:33:44,870 --> 00:33:42,159
as don quixote reminds us

709
00:33:49,029 --> 00:33:44,880
let us continue to dream the impossible

710
00:33:51,669 --> 00:33:49,039
dream that now becomes real

711
00:33:55,549 --> 00:33:51,679
and then let us traverse

712
00:33:58,710 --> 00:33:55,559
the untouched terrain of the once

713
00:34:01,669 --> 00:33:58,720

unreachable stars

714

00:34:04,630 --> 00:34:01,679

and as the president said

715

00:34:07,190 --> 00:34:04,640

we ask god's blessing on this

716

00:34:10,629 --> 00:34:07,200

one of the greatest adventures

717

00:34:14,069 --> 00:34:10,639

in the history of humankind

718

00:34:16,069 --> 00:34:14,079

god bless you god bless artemis and god

719

00:34:28,149 --> 00:34:16,079

bless our country

720

00:34:32,470 --> 00:34:30,389

thank you administrator nelson

721

00:34:34,069 --> 00:34:32,480

so now we're lucky here in texas to have

722

00:34:36,550 --> 00:34:34,079

representatives who are supportive of

723

00:34:37,829 --> 00:34:36,560

the artemis program the future of space

724

00:34:40,310 --> 00:34:37,839

exploration

725

00:34:42,790 --> 00:34:40,320

and nasa's many missions

726

00:34:44,710 --> 00:34:42,800

i'd now like to introduce videos from

727

00:34:47,589 --> 00:34:44,720

senator john cornyn

728

00:34:49,829 --> 00:34:47,599

senator ted cruz and congressman randy

729

00:34:51,349 --> 00:34:49,839

weber who wish they were able to be here

730

00:34:52,950 --> 00:34:51,359

in person today

731

00:34:54,710 --> 00:34:52,960

we will then hear from congresswoman

732

00:34:56,710 --> 00:34:54,720

eddie bernice johnson

733

00:34:58,790 --> 00:34:56,720

congressman brian babin

734

00:35:01,030 --> 00:34:58,800

congressman al green

735

00:35:03,190 --> 00:35:01,040

congresswoman sylvia garcia

736

00:35:06,390 --> 00:35:03,200

congresswoman lizzie fletcher and the

737

00:35:09,910 --> 00:35:06,400

city of houston's mayor sylvester turner

738

00:35:14,390 --> 00:35:12,550

hi i'm texas senator john cornyn

739

00:35:17,109 --> 00:35:14,400

it's an honor to join you all today as

740

00:35:19,030 --> 00:35:17,119

we celebrate the 60th anniversary of

741

00:35:21,670 --> 00:35:19,040

president john f kennedy's speech that

742

00:35:24,150 --> 00:35:21,680

rallied americans to the moon

743

00:35:26,230 --> 00:35:24,160

when he spoke on this incredible campus

744

00:35:28,550 --> 00:35:26,240

president kennedy described our state as

745

00:35:30,390 --> 00:35:28,560

a state noted for strength

746

00:35:31,349 --> 00:35:30,400

i'm proud to say the same rings true

747

00:35:33,510 --> 00:35:31,359

today

748

00:35:35,990 --> 00:35:33,520

as texas remains home to the nation's

749

00:35:38,470 --> 00:35:36,000

strongest and most brilliant minds in

750

00:35:40,950 --> 00:35:38,480

human space exploration

751
00:35:42,550 --> 00:35:40,960
60 years later and we've only scratched

752
00:35:44,069 --> 00:35:42,560
the surface of what remains to be

753
00:35:45,990 --> 00:35:44,079
discovered

754
00:35:48,230 --> 00:35:46,000
parents used to tell their kids to reach

755
00:35:49,990 --> 00:35:48,240
for the moon but that's not the only

756
00:35:51,829 --> 00:35:50,000
objective anymore

757
00:35:54,069 --> 00:35:51,839
now we can also tell them to reach for

758
00:35:56,150 --> 00:35:54,079
mars because that's the next port of

759
00:35:58,230 --> 00:35:56,160
call on our horizon

760
00:36:00,069 --> 00:35:58,240
as we look ahead at the next 60 years i

761
00:36:02,470 --> 00:36:00,079
have no doubt that many of you will fill

762
00:36:04,390 --> 00:36:02,480
the pages of history with triumphant

763
00:36:06,550 --> 00:36:04,400

achievements including those being

764

00:36:07,670 --> 00:36:06,560

dreamt by the young minds in attendance

765

00:36:09,990 --> 00:36:07,680

today

766

00:36:12,069 --> 00:36:10,000

may god bless you may he bless the men

767

00:36:14,390 --> 00:36:12,079

and women of our nation's space program

768

00:36:18,230 --> 00:36:14,400

and may he continue to bless the united

769

00:36:23,750 --> 00:36:21,109

good morning and welcome to rice stadium

770

00:36:26,230 --> 00:36:23,760

where we gather today to remember the

771

00:36:30,630 --> 00:36:26,240

historic events that took place right

772

00:36:34,310 --> 00:36:30,640

here on this very day six decades ago

773

00:36:36,790 --> 00:36:34,320

on september 12 1962 president john f

774

00:36:39,349 --> 00:36:36,800

kennedy famously gave a speech

775

00:36:42,230 --> 00:36:39,359

about why we as a nation

776

00:36:43,990 --> 00:36:42,240

choose to undertake the bold endeavor of

777

00:36:46,230 --> 00:36:44,000

traveling to the moon

778

00:36:49,109 --> 00:36:46,240

today i'm here to echo the sentiments of

779

00:36:51,750 --> 00:36:49,119

president kennedy and a nation yearning

780

00:36:55,349 --> 00:36:51,760

to explore the final frontier

781

00:36:58,069 --> 00:36:55,359

as nasa embarks on a journey to reignite

782

00:36:58,950 --> 00:36:58,079

the space age planning missions to the

783

00:37:00,470 --> 00:36:58,960

moon

784

00:37:03,190 --> 00:37:00,480

and mars

785

00:37:05,589 --> 00:37:03,200

in the words of president kennedy

786

00:37:08,390 --> 00:37:05,599

we choose to go to the moon

787

00:37:09,510 --> 00:37:08,400

in this decade and to do the other

788

00:37:11,589 --> 00:37:09,520

things

789

00:37:14,150 --> 00:37:11,599

not because they are easy

790

00:37:16,870 --> 00:37:14,160

but because they are hard

791

00:37:19,270 --> 00:37:16,880

because that challenge is one that we

792

00:37:23,030 --> 00:37:19,280

are willing to accept

793

00:37:24,950 --> 00:37:23,040

one that we are unwilling to postpone

794

00:37:28,069 --> 00:37:24,960

and one which we

795

00:37:31,190 --> 00:37:28,079

intend to win

796

00:37:34,390 --> 00:37:31,200

just as we chose then to go to the moon

797

00:37:39,109 --> 00:37:34,400

today we choose to go back to the moon

798

00:37:41,990 --> 00:37:39,119

and after that we choose to go to mars

799

00:37:43,670 --> 00:37:42,000

the prospect of achieving these goals

800

00:37:45,270 --> 00:37:43,680

wouldn't be a reality without the

801
00:37:48,310 --> 00:37:45,280
tremendous work

802
00:37:50,630 --> 00:37:48,320
of all of you here in houston

803
00:37:52,230 --> 00:37:50,640
houston and texas has been the hub of

804
00:37:54,150 --> 00:37:52,240
human space flight

805
00:37:56,550 --> 00:37:54,160
for the past 60 years

806
00:37:58,630 --> 00:37:56,560
and will continue to be for at least 60

807
00:38:00,950 --> 00:37:58,640
to come with the help of the next

808
00:38:04,069 --> 00:38:00,960
generation of innovators

809
00:38:06,310 --> 00:38:04,079
like the rice owls and the hisd students

810
00:38:08,470 --> 00:38:06,320
in attendance today

811
00:38:11,109 --> 00:38:08,480
the contributions of hard-working texans

812
00:38:13,829 --> 00:38:11,119
in the space industry and talented young

813
00:38:16,069 --> 00:38:13,839

young houstonians like yourselves

814

00:38:19,990 --> 00:38:16,079

are just a few of the many reasons i am

815

00:38:21,990 --> 00:38:20,000

so proud to serve the lone star state

816

00:38:23,109 --> 00:38:22,000

may god continue to bless the united

817

00:38:25,750 --> 00:38:23,119

states

818

00:38:28,950 --> 00:38:25,760

and may he bless all of you

819

00:38:33,030 --> 00:38:28,960

on the next greatest adventure

820

00:38:35,190 --> 00:38:33,040

on which man has ever embarked

821

00:38:36,790 --> 00:38:35,200

friends as a member of the house science

822

00:38:38,630 --> 00:38:36,800

space and technology committee and a

823

00:38:40,710 --> 00:38:38,640

representative of many great nasa

824

00:38:42,790 --> 00:38:40,720

employees and contractors it's an honor

825

00:38:45,990 --> 00:38:42,800

to join you all virtually

826

00:38:48,150 --> 00:38:46,000

you know i still remember president jfk

827

00:38:49,829 --> 00:38:48,160

delivering his famous speech

828

00:38:52,230 --> 00:38:49,839

60 years ago

829

00:38:54,550 --> 00:38:52,240

i know i'm dating myself here

830

00:38:57,510 --> 00:38:54,560

but this speech was powerful about the

831

00:39:01,349 --> 00:38:57,520

challenge to land americans on the moon

832

00:39:03,750 --> 00:39:01,359

these words still remain true today

833

00:39:06,950 --> 00:39:03,760

we choose to go to the moon

834

00:39:09,109 --> 00:39:06,960

not because it's easy he declared but

835

00:39:12,230 --> 00:39:09,119

because it's hard

836

00:39:16,150 --> 00:39:12,240

and 60 years later we have chosen to go

837

00:39:18,950 --> 00:39:16,160

to the moon and now on to mars

838

00:39:20,870 --> 00:39:18,960

what a moment in our nation's history

839

00:39:23,190 --> 00:39:20,880

we will return to the moon

840

00:39:25,270 --> 00:39:23,200

it wasn't easy to get to the first time

841

00:39:27,910 --> 00:39:25,280

but we are ready

842

00:39:30,150 --> 00:39:27,920

nasa has worked tirelessly and i look

843

00:39:30,950 --> 00:39:30,160

forward to all the work they continue to

844

00:39:33,510 --> 00:39:30,960

do

845

00:39:35,750 --> 00:39:33,520

there's no higher ground in space

846

00:39:38,630 --> 00:39:35,760

and we have the technology and the

847

00:39:41,430 --> 00:39:38,640

experience to get there if we could get

848

00:39:43,910 --> 00:39:41,440

to the moon in the 60s and we did

849

00:39:46,310 --> 00:39:43,920

we certainly can get there now

850

00:39:47,430 --> 00:39:46,320

at the end of the day it's just this

851
00:39:50,790 --> 00:39:47,440
simple

852
00:39:51,750 --> 00:39:50,800
nasa reminds us to dream and to dream

853
00:39:54,950 --> 00:39:51,760
big

854
00:39:57,910 --> 00:39:54,960
and because of them we have come so far

855
00:40:00,470 --> 00:39:57,920
thank you to our great nasa thank you

856
00:40:13,510 --> 00:40:00,480
all god bless texas and god bless

857
00:40:17,990 --> 00:40:16,150
hi i'm texas senator john cornyn

858
00:40:24,550 --> 00:40:18,000
it's an honor to join you all today as

859
00:40:32,390 --> 00:40:27,990
i am eddie bernice johnson

860
00:40:34,550 --> 00:40:32,400
and i have the pleasure of chairing

861
00:40:39,030 --> 00:40:34,560
the congressional committee

862
00:40:42,630 --> 00:40:39,040
on science space and technology

863
00:40:45,270 --> 00:40:42,640

so this is a great day for us

864

00:40:49,270 --> 00:40:45,280

and it is a real pleasure

865

00:40:51,190 --> 00:40:49,280

to be here to celebrate the 16th

866

00:40:54,230 --> 00:40:51,200

anniversary

867

00:40:57,349 --> 00:40:54,240

since president kennedy

868

00:41:00,710 --> 00:40:57,359

spoke in this stadium

869

00:41:02,950 --> 00:41:00,720

and so i want to congratulate rice

870

00:41:04,150 --> 00:41:02,960

for having the foresight to work with

871

00:41:08,630 --> 00:41:04,160

nasa

872

00:41:10,550 --> 00:41:08,640

to bring us here together today

873

00:41:13,510 --> 00:41:10,560

in his speech

874

00:41:15,589 --> 00:41:13,520

he challenged us as a nation

875

00:41:17,750 --> 00:41:15,599

to accomplish what they seemed

876
00:41:19,750 --> 00:41:17,760
impossible

877
00:41:22,870 --> 00:41:19,760
but we have

878
00:41:26,790 --> 00:41:22,880
there's no better example

879
00:41:30,550 --> 00:41:26,800
of representation of the american people

880
00:41:32,829 --> 00:41:30,560
we chose to take giant steps

881
00:41:36,550 --> 00:41:32,839
we chose to know the

882
00:41:38,309 --> 00:41:36,560
unknown and we chose to lead into the

883
00:41:40,069 --> 00:41:38,319
future

884
00:41:42,870 --> 00:41:40,079
in the years

885
00:41:44,950 --> 00:41:42,880
since president kennedy's speech

886
00:41:46,309 --> 00:41:44,960
we have made great strides in our

887
00:41:49,109 --> 00:41:46,319
endeavors

888
00:41:51,829 --> 00:41:49,119

in space exploration

889

00:41:55,030 --> 00:41:51,839

americans now live and work

890

00:41:56,790 --> 00:41:55,040

on the international space station

891

00:42:00,150 --> 00:41:56,800

our rovers

892

00:42:03,750 --> 00:42:00,160

are exploring the surface of mars

893

00:42:05,430 --> 00:42:03,760

our telescopes appearing into the depths

894

00:42:07,750 --> 00:42:05,440

of the universe

895

00:42:11,589 --> 00:42:07,760

and so much more

896

00:42:14,390 --> 00:42:11,599

and many people comment all the time

897

00:42:16,790 --> 00:42:14,400

about how much it cost

898

00:42:19,829 --> 00:42:16,800

i want to share with you

899

00:42:22,630 --> 00:42:19,839

for every dollar we invest

900

00:42:24,790 --> 00:42:22,640

we get seven dollars back

901
00:42:27,910 --> 00:42:24,800
and services

902
00:42:35,270 --> 00:42:30,950
so as i look at this crowd today

903
00:42:36,710 --> 00:42:35,280
i see the faces of rising generations

904
00:42:39,589 --> 00:42:36,720
nothing

905
00:42:41,990 --> 00:42:39,599
in my experience at working

906
00:42:44,230 --> 00:42:42,000
with this committee and students

907
00:42:47,270 --> 00:42:44,240
is more fascinating

908
00:42:50,630 --> 00:42:47,280
than space exploration

909
00:42:53,030 --> 00:42:50,640
so we must encourage our young people

910
00:42:56,950 --> 00:42:53,040
to keep that interest

911
00:42:59,190 --> 00:42:56,960
our work is just really beginning

912
00:43:02,069 --> 00:42:59,200
and soon

913
00:43:04,309 --> 00:43:02,079

thanks to the arabist program

914

00:43:06,069 --> 00:43:04,319

you will have a chance to experience

915

00:43:08,069 --> 00:43:06,079

americans

916

00:43:10,470 --> 00:43:08,079

once again

917

00:43:12,710 --> 00:43:10,480

landing on the moon

918

00:43:14,950 --> 00:43:12,720

except this time

919

00:43:17,990 --> 00:43:14,960

the first woman

920

00:43:19,670 --> 00:43:18,000

and the first person of color

921

00:43:23,430 --> 00:43:19,680

will be a part

922

00:43:28,150 --> 00:43:24,829

i hope one

923

00:43:29,910 --> 00:43:28,160

day some of you students that's here

924

00:43:33,030 --> 00:43:29,920

today

925

00:43:35,109 --> 00:43:33,040

will follow in their footsteps

926
00:43:37,510 --> 00:43:35,119
to everyone here

927
00:43:38,630 --> 00:43:37,520
and especially to our students whether

928
00:43:41,990 --> 00:43:38,640
or not

929
00:43:45,990 --> 00:43:42,000
you pursue a korean space exploration

930
00:43:48,150 --> 00:43:46,000
i hope you keep the words spoken here

931
00:43:49,990 --> 00:43:48,160
60 years ago

932
00:43:52,950 --> 00:43:50,000
in mind

933
00:43:55,270 --> 00:43:52,960
choose to do the hard things

934
00:43:57,910 --> 00:43:55,280
more often than not

935
00:43:59,750 --> 00:43:57,920
your efforts would land you

936
00:44:01,430 --> 00:43:59,760
where you never thought would be

937
00:44:03,910 --> 00:44:01,440
possible

938
00:44:07,190 --> 00:44:03,920

we never dreamed

939

00:44:09,270 --> 00:44:07,200

that we'd reach this 60 years later

940

00:44:11,910 --> 00:44:09,280

but we have

941

00:44:14,950 --> 00:44:11,920

and we've gained so much from it

942

00:44:17,030 --> 00:44:14,960

and it's so much more to explore

943

00:44:19,589 --> 00:44:17,040

thank you for being here

944

00:44:23,710 --> 00:44:19,599

to give homage

945

00:44:28,370 --> 00:44:23,720

to the dream of president kennedy

946

00:44:28,380 --> 00:44:38,390

[Applause]

947

00:44:42,710 --> 00:44:40,710

thank you i'm brian babin i represent

948

00:44:44,790 --> 00:44:42,720

the 36th district and i have the great

949

00:44:46,309 --> 00:44:44,800

honor of representing johnson space

950

00:44:48,870 --> 00:44:46,319

center what an honor to be out here

951
00:44:54,630 --> 00:44:52,710
thank you in may of 1961 from the

952
00:44:56,950 --> 00:44:54,640
speaker's rostrum of the house of

953
00:44:59,510 --> 00:44:56,960
representatives president kennedy

954
00:45:02,710 --> 00:44:59,520
charged congress with an ambitious

955
00:45:04,790 --> 00:45:02,720
mission to send astronauts to the moon

956
00:45:05,589 --> 00:45:04,800
but to accomplish this extraordinary

957
00:45:08,550 --> 00:45:05,599
feat

958
00:45:11,349 --> 00:45:08,560
nasa realized that they would need a new

959
00:45:12,790 --> 00:45:11,359
facility to spearhead human space

960
00:45:16,550 --> 00:45:12,800
exploration

961
00:45:18,950 --> 00:45:16,560
and folks houston answered that call

962
00:45:21,990 --> 00:45:18,960
one year later president kennedy stood

963
00:45:23,190 --> 00:45:22,000

right here in rice university stadium to

964

00:45:25,190 --> 00:45:23,200

proclaim

965

00:45:27,990 --> 00:45:25,200

this city of houston

966

00:45:31,109 --> 00:45:28,000

this state of texas this country of the

967

00:45:33,750 --> 00:45:31,119

united states was not built by those who

968

00:45:35,510 --> 00:45:33,760

waited and rested and wished to look

969

00:45:37,750 --> 00:45:35,520

behind them

970

00:45:40,230 --> 00:45:37,760

houston was given a mission

971

00:45:42,309 --> 00:45:40,240

the manned spacecraft center

972

00:45:44,069 --> 00:45:42,319

now nasa's johnson space center in

973

00:45:46,230 --> 00:45:44,079

houston would lead this country's

974

00:45:48,390 --> 00:45:46,240

extraordinary efforts and getting

975

00:45:50,309 --> 00:45:48,400

americans to the moon

976

00:45:52,390 --> 00:45:50,319

kennedy declared

977

00:45:54,710 --> 00:45:52,400

we choose to go to the moon in this

978

00:45:57,030 --> 00:45:54,720

decade and to do other things not

979

00:45:59,270 --> 00:45:57,040

because they are easy but because they

980

00:46:00,950 --> 00:45:59,280

are hard you've heard this many times

981

00:46:02,790 --> 00:46:00,960

today

982

00:46:04,630 --> 00:46:02,800

but because that goal will serve to

983

00:46:06,870 --> 00:46:04,640

organize and measure the best of our

984

00:46:08,790 --> 00:46:06,880

energies and skills because that

985

00:46:09,910 --> 00:46:08,800

challenge is one that we are willing to

986

00:46:13,109 --> 00:46:09,920

accept

987

00:46:16,069 --> 00:46:13,119

one we are unwilling to postpone

988

00:46:18,069 --> 00:46:16,079

and one that we intend to win

989

00:46:21,030 --> 00:46:18,079

and the others too

990

00:46:23,670 --> 00:46:21,040

as you all know in 1969 america

991

00:46:26,309 --> 00:46:23,680

accomplished the goal of landing a man

992

00:46:29,430 --> 00:46:26,319

on the moon and returning him safely to

993

00:46:30,950 --> 00:46:29,440

earth a feat never before achieved by

994

00:46:31,910 --> 00:46:30,960

any other country

995

00:46:34,950 --> 00:46:31,920

and

996

00:46:37,670 --> 00:46:34,960

we did it five more times

997

00:46:39,430 --> 00:46:37,680

from successfully landing 12 pairs of

998

00:46:41,270 --> 00:46:39,440

boots on the moon

999

00:46:44,069 --> 00:46:41,280

and operating the historic mission

1000

00:46:46,950 --> 00:46:44,079

control center to managing the orion

1001
00:46:48,390 --> 00:46:46,960
spacecraft program and the international

1002
00:46:50,390 --> 00:46:48,400
space station

1003
00:46:52,390 --> 00:46:50,400
johnson space center in houston has

1004
00:46:54,790 --> 00:46:52,400
contributed critically

1005
00:46:57,109 --> 00:46:54,800
essential components of the space

1006
00:46:59,109 --> 00:46:57,119
exploration mission

1007
00:47:01,109 --> 00:46:59,119
none of this would have been possible

1008
00:47:03,990 --> 00:47:01,119
without the collaboration of

1009
00:47:06,870 --> 00:47:04,000
entrepreneurs and academic minds right

1010
00:47:10,069 --> 00:47:06,880
here in houston and right here at rice

1011
00:47:12,790 --> 00:47:10,079
university partnerships that have built

1012
00:47:15,510 --> 00:47:12,800
houston into the global epicenter of

1013
00:47:18,710 --> 00:47:15,520

space exploration

1014

00:47:21,589 --> 00:47:18,720

america is today 60 years after

1015

00:47:24,230 --> 00:47:21,599

kennedy's remarkable proclamation once

1016

00:47:27,750 --> 00:47:24,240

again on the cusp of launching the most

1017

00:47:29,349 --> 00:47:27,760

daring exploration program that humanity

1018

00:47:31,750 --> 00:47:29,359

has ever seen

1019

00:47:34,550 --> 00:47:31,760

by sending astronauts back to the moon

1020

00:47:37,030 --> 00:47:34,560

in pursuit of going even further where

1021

00:47:39,109 --> 00:47:37,040

no one has ever gone before

1022

00:47:41,750 --> 00:47:39,119

and as kennedy said in his address to

1023

00:47:44,790 --> 00:47:41,760

congress in 1961

1024

00:47:48,309 --> 00:47:44,800

now it is time to take longer strides

1025

00:47:50,870 --> 00:47:48,319

time for a great new american enterprise

1026

00:47:54,309 --> 00:47:50,880

time for this nation to take a clearly

1027

00:47:56,870 --> 00:47:54,319

leading role in space achievement which

1028

00:48:00,230 --> 00:47:56,880

in many ways may hold the key

1029

00:48:02,230 --> 00:48:00,240

to our future right here on earth

1030

00:48:05,030 --> 00:48:02,240

i'm very very proud of the work that's

1031

00:48:07,510 --> 00:48:05,040

being done here and i look forward to

1032

00:48:08,470 --> 00:48:07,520

houston continuing

1033

00:48:13,990 --> 00:48:08,480

to

1034

00:48:17,829 --> 00:48:14,000

new longer strides in human space

1035

00:48:18,950 --> 00:48:17,839

exploration to the moon to mars and even

1036

00:48:20,950 --> 00:48:18,960

beyond

1037

00:48:23,030 --> 00:48:20,960

i would like to echo some more words

1038

00:48:25,829 --> 00:48:23,040

that president kennedy used to close his

1039

00:48:27,670 --> 00:48:25,839

speech 60 years ago

1040

00:48:30,150 --> 00:48:27,680

he asked

1041

00:48:32,630 --> 00:48:30,160

i asked for god's blessing on the most

1042

00:48:35,510 --> 00:48:32,640

hazardous the most dangerous and the

1043

00:48:36,710 --> 00:48:35,520

greatest adventure on which man has ever

1044

00:48:38,870 --> 00:48:36,720

embarked

1045

00:48:40,549 --> 00:48:38,880

the mission continues

1046

00:48:42,710 --> 00:48:40,559

thank you houston

1047

00:48:45,349 --> 00:48:42,720

and now i'd like to introduce

1048

00:48:48,390 --> 00:48:45,359

my good friend al green who represents

1049

00:48:51,340 --> 00:48:48,400

texas ninth congressional district thank

1050

00:48:58,630 --> 00:48:56,630

[Applause]

1051
00:49:02,309 --> 00:48:58,640
congressman thank you very much for your

1052
00:49:05,430 --> 00:49:02,319
very kind and warm introduction

1053
00:49:10,870 --> 00:49:05,440
to the students here here today

1054
00:49:10,880 --> 00:49:16,230
do you believe we can go to mars

1055
00:49:16,240 --> 00:49:20,470
you like to go to mars

1056
00:49:25,510 --> 00:49:21,589
well first you're going to have to

1057
00:49:30,150 --> 00:49:27,750
friends

1058
00:49:32,630 --> 00:49:30,160
president kennedy

1059
00:49:34,230 --> 00:49:32,640
had something unique

1060
00:49:37,030 --> 00:49:34,240
the french

1061
00:49:39,270 --> 00:49:37,040
call it genesequoir

1062
00:49:41,109 --> 00:49:39,280
something very special

1063
00:49:43,270 --> 00:49:41,119

it was that something special that made

1064

00:49:46,230 --> 00:49:43,280

him very special among the presidents of

1065

00:49:48,870 --> 00:49:46,240

the united states of america

1066

00:49:50,950 --> 00:49:48,880

and when he

1067

00:49:53,270 --> 00:49:50,960

gave his speech right here at rice

1068

00:49:54,910 --> 00:49:53,280

university

1069

00:49:56,470 --> 00:49:54,920

he explained to us

1070

00:49:59,510 --> 00:49:56,480

[Music]

1071

00:50:02,790 --> 00:49:59,520

and engendered within us

1072

00:50:03,990 --> 00:50:02,800

a can do we can do it and it must be

1073

00:50:05,589 --> 00:50:04,000

done

1074

00:50:10,549 --> 00:50:05,599

attitude

1075

00:50:15,430 --> 00:50:13,430

in his inaugural address

1076
00:50:18,309 --> 00:50:15,440
he indicated

1077
00:50:19,349 --> 00:50:18,319
let us go forth to lead the land we love

1078
00:50:21,589 --> 00:50:19,359
asking

1079
00:50:24,710 --> 00:50:21,599
his blessings and help

1080
00:50:28,069 --> 00:50:24,720
but knowing that here on earth

1081
00:50:31,750 --> 00:50:28,079
god's work must truly be our own

1082
00:50:34,069 --> 00:50:31,760
he was a believer in getting it done by

1083
00:50:37,030 --> 00:50:34,079
putting our hands on whatever issue was

1084
00:50:40,710 --> 00:50:37,040
to be done and making sure that we were

1085
00:50:43,349 --> 00:50:40,720
successful because we are americans we

1086
00:50:45,190 --> 00:50:43,359
do things we get them done and we will

1087
00:50:48,720 --> 00:50:45,200
be the first to do them because we were

1088
00:50:48,720 --> 00:50:48,730

the first to go to the moon

1089

00:50:48,730 --> 00:50:53,430

[Applause]

1090

00:50:58,390 --> 00:50:56,230

nearly two years later

1091

00:51:01,910 --> 00:50:58,400

president kennedy

1092

00:51:05,910 --> 00:51:01,920

this was after his inaugural address

1093

00:51:06,829 --> 00:51:05,920

reduced the impossible to the difficult

1094

00:51:09,510 --> 00:51:06,839

and the

1095

00:51:11,829 --> 00:51:09,520

difficult he reduced

1096

00:51:14,069 --> 00:51:11,839

to a matter of choice

1097

00:51:15,109 --> 00:51:14,079

when he proclaimed

1098

00:51:16,470 --> 00:51:15,119

that

1099

00:51:18,390 --> 00:51:16,480

we

1100

00:51:22,150 --> 00:51:18,400

choose to go to the moon

1101
00:51:24,549 --> 00:51:22,160
in this decade and do the other things

1102
00:51:27,190 --> 00:51:24,559
not because they are easy

1103
00:51:29,190 --> 00:51:27,200
but because they are hard

1104
00:51:31,030 --> 00:51:29,200
but what he said about going to the moon

1105
00:51:32,630 --> 00:51:31,040
was something that young people across

1106
00:51:34,470 --> 00:51:32,640
the length and breadth of this country

1107
00:51:36,870 --> 00:51:34,480
took to heart

1108
00:51:39,430 --> 00:51:36,880
young people decided that they wanted to

1109
00:51:41,670 --> 00:51:39,440
do the difficult things they decided to

1110
00:51:44,790 --> 00:51:41,680
major in math and physics and

1111
00:51:47,270 --> 00:51:44,800
engineering because they wanted to

1112
00:51:49,109 --> 00:51:47,280
assure this country that they too

1113
00:51:50,470 --> 00:51:49,119

believed that we could do the difficult

1114

00:51:52,390 --> 00:51:50,480

things

1115

00:51:55,670 --> 00:51:52,400

these young people

1116

00:51:57,829 --> 00:51:55,680

did these things because they were hard

1117

00:51:59,910 --> 00:51:57,839

and his response president kennedy's

1118

00:52:01,030 --> 00:51:59,920

response to the naysayers and doubting

1119

00:52:03,510 --> 00:52:01,040

thomases

1120

00:52:05,829 --> 00:52:03,520

was captured when he extolled

1121

00:52:08,549 --> 00:52:05,839

by way of exemplar

1122

00:52:09,750 --> 00:52:08,559

this city of houston texas

1123

00:52:11,190 --> 00:52:09,760

this state

1124

00:52:13,109 --> 00:52:11,200

this country

1125

00:52:15,430 --> 00:52:13,119

of the united states

1126
00:52:17,190 --> 00:52:15,440
was not built by those who

1127
00:52:20,230 --> 00:52:17,200
waited and rested

1128
00:52:22,950 --> 00:52:20,240
and wish to look behind them

1129
00:52:25,990 --> 00:52:22,960
further he indicated the exploration of

1130
00:52:27,750 --> 00:52:26,000
space will go ahead whether we join in

1131
00:52:29,990 --> 00:52:27,760
it or not

1132
00:52:32,390 --> 00:52:30,000
no nation which expects to be the leader

1133
00:52:34,230 --> 00:52:32,400
of other nations can expect

1134
00:52:36,870 --> 00:52:34,240
to stay behind

1135
00:52:38,790 --> 00:52:36,880
in the race for space

1136
00:52:41,510 --> 00:52:38,800
president kennedy

1137
00:52:44,790 --> 00:52:41,520
the great president

1138
00:52:47,510 --> 00:52:44,800

the president who led us into space

1139

00:52:51,109 --> 00:52:47,520

led this nation to believe

1140

00:52:55,190 --> 00:52:51,119

that although the magnificent insular

1141

00:52:57,990 --> 00:52:55,200

this island that we know as earth

1142

00:53:01,109 --> 00:52:58,000

is our genesis

1143

00:53:03,990 --> 00:53:01,119

our preeminent destiny

1144

00:53:05,910 --> 00:53:04,000

my preeminent destiny

1145

00:53:08,650 --> 00:53:05,920

is the stars

1146

00:53:10,309 --> 00:53:08,660

are you ready to go to the stars

1147

00:53:13,430 --> 00:53:10,319

[Music]

1148

00:53:15,349 --> 00:53:13,440

let's do it it is our preeminent destiny

1149

00:53:17,430 --> 00:53:15,359

god bless you

1150

00:53:19,990 --> 00:53:17,440

it is now

1151
00:53:22,549 --> 00:53:20,000
my preeminent privilege

1152
00:53:24,950 --> 00:53:22,559
and my superlative pleasure

1153
00:53:28,309 --> 00:53:24,960
to introduce the honorable

1154
00:53:36,630 --> 00:53:28,319
congresswoman sylvia garcia give her a

1155
00:53:40,069 --> 00:53:38,490
thank you congressman

1156
00:53:42,390 --> 00:53:40,079
[Music]

1157
00:53:45,430 --> 00:53:42,400
we're no zeast

1158
00:53:50,230 --> 00:53:45,440
hello everybody

1159
00:53:53,270 --> 00:53:50,240
well i was reflecting on the 60 years

1160
00:53:55,270 --> 00:53:53,280
and first i want to thank everybody from

1161
00:53:58,150 --> 00:53:55,280
nasa from the receptionist and the

1162
00:53:59,510 --> 00:53:58,160
people who helped put people at the moon

1163
00:54:04,150 --> 00:53:59,520

thank you

1164

00:54:05,750 --> 00:54:04,160

creativity your innovation that's gotten

1165

00:54:08,069 --> 00:54:05,760

us to the moon

1166

00:54:11,190 --> 00:54:08,079

because the challenge that was made here

1167

00:54:12,230 --> 00:54:11,200

six years ago would be an empty

1168

00:54:14,870 --> 00:54:12,240

challenge

1169

00:54:17,589 --> 00:54:14,880

if we did not have the funding if we did

1170

00:54:20,230 --> 00:54:17,599

not have the collaboration if we did not

1171

00:54:23,990 --> 00:54:20,240

have the partnerships to get it done

1172

00:54:25,190 --> 00:54:24,000

so thank you to the entire nasa family

1173

00:54:28,470 --> 00:54:25,200

for doing

1174

00:54:30,790 --> 00:54:28,480

your best in getting this done

1175

00:54:34,150 --> 00:54:30,800

then i started thinking about when i was

1176

00:54:36,870 --> 00:54:34,160

about the age of all of these students

1177

00:54:38,870 --> 00:54:36,880

i grew up one of 10 children

1178

00:54:41,750 --> 00:54:38,880

in south texas

1179

00:54:43,270 --> 00:54:41,760

and i'm sort of in between the nasa uh

1180

00:54:46,230 --> 00:54:43,280

the space

1181

00:54:49,349 --> 00:54:46,240

the uh air station in kingsville and in

1182

00:54:51,750 --> 00:54:49,359

air station in corpus christi

1183

00:54:53,349 --> 00:54:51,760

and i remember many times seeing the

1184

00:54:55,670 --> 00:54:53,359

jets flying

1185

00:54:59,349 --> 00:54:55,680

we'd rush out of the house

1186

00:55:00,549 --> 00:54:59,359

and just watch the planes go by

1187

00:55:03,510 --> 00:55:00,559

and wonder

1188

00:55:05,270 --> 00:55:03,520

what it would be like to fly

1189

00:55:07,990 --> 00:55:05,280

now kids today

1190

00:55:09,109 --> 00:55:08,000

look at the moon and look at mars and

1191

00:55:11,829 --> 00:55:09,119

wonder

1192

00:55:14,150 --> 00:55:11,839

what it would like to walk on the moon

1193

00:55:16,710 --> 00:55:14,160

and later go on to mars

1194

00:55:18,790 --> 00:55:16,720

that's what this is all about

1195

00:55:21,670 --> 00:55:18,800

is dreaming

1196

00:55:24,630 --> 00:55:21,680

so while we celebrate 60 years i look

1197

00:55:27,829 --> 00:55:24,640

forward to the next 60 to make sure that

1198

00:55:30,230 --> 00:55:27,839

we choose to go to the mars and more

1199

00:55:32,549 --> 00:55:30,240

and getting there i want to thank and

1200

00:55:34,790 --> 00:55:32,559

celebrate also

1201
00:55:36,470 --> 00:55:34,800
nasa's commitment to diversity and

1202
00:55:38,390 --> 00:55:36,480
inclusion

1203
00:55:40,950 --> 00:55:38,400
you heard it

1204
00:55:44,309 --> 00:55:40,960
artemis will have the first woman and

1205
00:55:46,549 --> 00:55:44,319
the first people a person of color to to

1206
00:55:49,829 --> 00:55:46,559
walk on the moon

1207
00:55:52,789 --> 00:55:49,839
that took a long time to do

1208
00:55:54,069 --> 00:55:52,799
we still remember sally ride our first

1209
00:55:55,670 --> 00:55:54,079
woman

1210
00:55:56,630 --> 00:55:55,680
we still remember

1211
00:56:00,390 --> 00:55:56,640
dr

1212
00:56:02,549 --> 00:56:00,400
chang diaz our first latino

1213
00:56:05,510 --> 00:56:02,559

but we need more

1214

00:56:09,670 --> 00:56:05,520

because just like hisd

1215

00:56:12,789 --> 00:56:09,680

has kids that speak 122 languages

1216

00:56:15,109 --> 00:56:12,799

representing all kinds of countries we

1217

00:56:19,510 --> 00:56:15,119

want to make sure that the moon and

1218

00:56:21,990 --> 00:56:19,520

marsh looks like hisd in houston

1219

00:56:25,349 --> 00:56:22,000

so thank you nasa for your commitment

1220

00:56:27,910 --> 00:56:25,359

and for your strength and moving forward

1221

00:56:30,630 --> 00:56:27,920

so as i look again and think about those

1222

00:56:33,190 --> 00:56:30,640

years growing up

1223

00:56:36,470 --> 00:56:33,200

all my brothers played football

1224

00:56:38,950 --> 00:56:36,480

all my sisters were cheerleaders

1225

00:56:41,510 --> 00:56:38,960

i was the nerd

1226

00:56:45,030 --> 00:56:41,520

i was not a cheerleader

1227

00:56:47,510 --> 00:56:45,040

but now i'm a nasa nerd and i cheer for

1228

00:56:50,150 --> 00:56:47,520

nasa

1229

00:56:52,549 --> 00:56:50,160

so all things good

1230

00:56:53,349 --> 00:56:52,559

so again thank you to rice for hosting

1231

00:56:56,069 --> 00:56:53,359

us

1232

00:56:58,309 --> 00:56:56,079

thank you to all of nasa it is now my

1233

00:57:01,030 --> 00:56:58,319

pleasure to introduce one of my

1234

00:57:03,430 --> 00:57:01,040

colleagues who serves on the committee

1235

00:57:07,230 --> 00:57:03,440

with jurisdiction over nasa and nasa

1236

00:57:14,470 --> 00:57:07,240

funding lindsey fletcher

1237

00:57:20,789 --> 00:57:17,750

thank you so much congresswoman garcia

1238

00:57:22,950 --> 00:57:20,799

i am so glad to be with all of you today

1239

00:57:25,109 --> 00:57:22,960

on this historic day

1240

00:57:26,710 --> 00:57:25,119

where we stand again where president

1241

00:57:28,470 --> 00:57:26,720

kennedy stood

1242

00:57:31,270 --> 00:57:28,480

60 years ago

1243

00:57:34,950 --> 00:57:31,280

and addressed the assembled crowd

1244

00:57:36,549 --> 00:57:34,960

as well as the nation and the world

1245

00:57:39,030 --> 00:57:36,559

in that moment

1246

00:57:42,510 --> 00:57:39,040

he challenged americans

1247

00:57:46,150 --> 00:57:42,520

to continue the work to expand our

1248

00:57:49,829 --> 00:57:46,160

understanding of the world around us

1249

00:57:52,150 --> 00:57:49,839

and the universe beyond by exploring

1250

00:57:54,789 --> 00:57:52,160

space

1251
00:57:57,190 --> 00:57:54,799
man in his quest for knowledge and

1252
00:58:01,190 --> 00:57:57,200
progress is determined

1253
00:58:04,710 --> 00:58:01,200
and cannot be deterred he told the crowd

1254
00:58:07,750 --> 00:58:04,720
explaining that no nation which expects

1255
00:58:12,069 --> 00:58:07,760
to be the leader of other nations

1256
00:58:14,309 --> 00:58:12,079
can expect to stay behind in this race

1257
00:58:17,030 --> 00:58:14,319
for space

1258
00:58:18,230 --> 00:58:17,040
he did so of course as we've heard this

1259
00:58:20,870 --> 00:58:18,240
morning

1260
00:58:22,630 --> 00:58:20,880
knowing that the work to bring together

1261
00:58:24,710 --> 00:58:22,640
a broad coalition

1262
00:58:27,030 --> 00:58:24,720
of the greatest minds

1263
00:58:29,750 --> 00:58:27,040

the most innovative thinking

1264

00:58:32,230 --> 00:58:29,760

and the most committed explorers

1265

00:58:34,870 --> 00:58:32,240

would be a challenge

1266

00:58:36,870 --> 00:58:34,880

but we know here in houston

1267

00:58:40,870 --> 00:58:36,880

that that is the community

1268

00:58:46,150 --> 00:58:43,430

and we often remember now as just about

1269

00:58:48,470 --> 00:58:46,160

every single speaker has reminded us

1270

00:58:50,309 --> 00:58:48,480

that he said we chose

1271

00:58:51,349 --> 00:58:50,319

we choose to go to the moon in this

1272

00:58:53,829 --> 00:58:51,359

decade

1273

00:58:55,270 --> 00:58:53,839

and to do other things not because they

1274

00:58:58,630 --> 00:58:55,280

are easy

1275

00:59:00,789 --> 00:58:58,640

but because they are hard

1276

00:59:02,150 --> 00:59:00,799

our country

1277

00:59:07,030 --> 00:59:02,160

our city

1278

00:59:09,030 --> 00:59:07,040

space city accepted this challenge

1279

00:59:11,349 --> 00:59:09,040

across the country and around the world

1280

00:59:14,630 --> 00:59:11,359

people watched and dreamed and

1281

00:59:16,950 --> 00:59:14,640

celebrated when just a few years later

1282

00:59:19,030 --> 00:59:16,960

neil armstrong took the first step on

1283

00:59:21,190 --> 00:59:19,040

the moon

1284

00:59:22,390 --> 00:59:21,200

and most of us here i think all of us

1285

00:59:24,630 --> 00:59:22,400

here know

1286

00:59:25,910 --> 00:59:24,640

that the first word ever spoken from the

1287

00:59:29,670 --> 00:59:25,920

moon

1288

00:59:35,910 --> 00:59:32,710

over the last 60 years

1289

00:59:38,150 --> 00:59:35,920

we have worked here here in this city

1290

00:59:41,430 --> 00:59:38,160

here in this university

1291

00:59:44,069 --> 00:59:41,440

and here at nasa's johnson space center

1292

00:59:46,789 --> 00:59:44,079

to meet this challenge

1293

00:59:48,150 --> 00:59:46,799

to continue the search for knowledge and

1294

00:59:51,910 --> 00:59:48,160

progress

1295

00:59:54,870 --> 00:59:51,920

and to do so as president kennedy said

1296

00:59:57,990 --> 00:59:54,880

in pursuit of peace

1297

00:59:59,349 --> 00:59:58,000

and we see that reflected so

1298

01:00:02,069 --> 00:59:59,359

beautifully

1299

01:00:04,230 --> 01:00:02,079

in those who are assembled here today

1300

01:00:06,470 --> 01:00:04,240

the students the nasa alumni the

1301
01:00:07,829 --> 01:00:06,480
community members the people here in

1302
01:00:10,950 --> 01:00:07,839
this community

1303
01:00:13,109 --> 01:00:10,960
who have taken that challenge

1304
01:00:14,950 --> 01:00:13,119
president kennedy challenged all of us

1305
01:00:17,750 --> 01:00:14,960
as americans

1306
01:00:19,510 --> 01:00:17,760
to come together for the good of all

1307
01:00:23,349 --> 01:00:19,520
mankind

1308
01:00:25,190 --> 01:00:23,359
and that remains our challenge

1309
01:00:27,910 --> 01:00:25,200
and that is the work of those who are

1310
01:00:31,430 --> 01:00:27,920
here today administrator nelson director

1311
01:00:33,750 --> 01:00:31,440
wise president derose and so many others

1312
01:00:36,309 --> 01:00:33,760
whose lives and work

1313
01:00:38,390 --> 01:00:36,319

reflect this vision

1314

01:00:40,150 --> 01:00:38,400

and this commitment

1315

01:00:42,789 --> 01:00:40,160

and so today

1316

01:00:44,470 --> 01:00:42,799

i hope that the 60th anniversary

1317

01:00:46,870 --> 01:00:44,480

commemoration

1318

01:00:49,109 --> 01:00:46,880

inspires us all

1319

01:00:50,150 --> 01:00:49,119

to commit ourselves again to this

1320

01:00:52,549 --> 01:00:50,160

purpose

1321

01:00:54,549 --> 01:00:52,559

to this vision that president kennedy

1322

01:00:56,710 --> 01:00:54,559

laid out right here

1323

01:01:00,710 --> 01:00:56,720

60 years ago

1324

01:01:02,789 --> 01:01:00,720

to the challenge of doing the learning

1325

01:01:05,109 --> 01:01:02,799

and the leading

1326

01:01:09,030 --> 01:01:05,119

so that together

1327

01:01:12,789 --> 01:01:09,040

we can make progress for all

1328

01:01:17,270 --> 01:01:12,799

and with that i am so proud to introduce

1329

01:01:26,870 --> 01:01:17,280

a man who personifies that spirit

1330

01:01:30,710 --> 01:01:29,510

thank you thank you so very very much

1331

01:01:33,750 --> 01:01:30,720

if you will

1332

01:01:35,030 --> 01:01:33,760

let me adopt everything that has already

1333

01:01:39,109 --> 01:01:35,040

been said

1334

01:01:41,670 --> 01:01:39,119

let me thank you all uh for

1335

01:01:43,750 --> 01:01:41,680

being a fantastic audience

1336

01:01:47,190 --> 01:01:43,760

60 years ago

1337

01:01:48,870 --> 01:01:47,200

president roach it was hot and steamy

1338

01:01:52,470 --> 01:01:48,880

administrative white

1339

01:01:53,910 --> 01:01:52,480

it was not easy people were sweating it

1340

01:01:56,230 --> 01:01:53,920

was hot

1341

01:01:58,950 --> 01:01:56,240

but the very fact that you all have been

1342

01:02:00,230 --> 01:01:58,960

here and listened to one person after

1343

01:02:03,750 --> 01:02:00,240

another

1344

01:02:06,309 --> 01:02:03,760

it signifies it has not been easy

1345

01:02:09,270 --> 01:02:06,319

but you have chosen to be a part of this

1346

01:02:10,309 --> 01:02:09,280

audience and that's what houston is all

1347

01:02:13,829 --> 01:02:10,319

about

1348

01:02:17,670 --> 01:02:13,839

we endure the heat we endure the steam

1349

01:02:20,150 --> 01:02:17,680

we fan we sweat but in the end we make

1350

01:02:22,230 --> 01:02:20,160

it happen so to my council members

1351

01:02:25,109 --> 01:02:22,240

councilman mary cameron councilmember

1352

01:02:29,030 --> 01:02:25,119

robinson to nasa to the johnson space

1353

01:02:30,549 --> 01:02:29,040

center to rice university the professors

1354

01:02:33,190 --> 01:02:30,559

and the staff

1355

01:02:34,549 --> 01:02:33,200

now let's move forward this is a

1356

01:02:38,549 --> 01:02:34,559

different city

1357

01:02:41,670 --> 01:02:38,559

than 60 years ago we are more diverse we

1358

01:02:43,910 --> 01:02:41,680

are even smarter we are more prepared

1359

01:02:46,230 --> 01:02:43,920

and we are ready to make it happen now

1360

01:02:48,549 --> 01:02:46,240

let's go back to the moon let's go to

1361

01:03:02,070 --> 01:02:48,559

the mars and i'll see you down the road

1362

01:03:02,080 --> 01:03:14,069

[Music]

1363

01:03:16,950 --> 01:03:15,750

the great british explorer george

1364

01:03:19,029 --> 01:03:16,960

mallory

1365

01:03:21,430 --> 01:03:19,039

who was to die

1366

01:03:23,270 --> 01:03:21,440

on mount everest was asked why did he

1367

01:03:25,270 --> 01:03:23,280

want to climb it

1368

01:03:26,870 --> 01:03:25,280

he said because it is there

1369

01:03:29,190 --> 01:03:26,880

well space is there

1370

01:03:31,109 --> 01:03:29,200

and the moon and the planets are there

1371

01:03:34,710 --> 01:03:31,119

and new hopes for knowledge and peace

1372

01:03:36,950 --> 01:03:34,720

available and therefore as we set sail

1373

01:03:38,069 --> 01:03:36,960

we ask god blessings on the most

1374

01:03:39,349 --> 01:03:38,079

hazardous

1375

01:03:41,510 --> 01:03:39,359

and dangerous

1376

01:03:45,000 --> 01:03:41,520

and greatest adventure on which man has

1377

01:03:54,069 --> 01:03:50,950

[Music]

1378

01:03:56,309 --> 01:03:54,079

we set sail on this new sea

1379

01:03:57,270 --> 01:03:56,319

because there is new knowledge to be

1380

01:03:59,670 --> 01:03:57,280

gained

1381

01:04:02,470 --> 01:03:59,680

and new rights to be won

1382

01:04:05,230 --> 01:04:02,480

and they must be won and used

1383

01:04:10,630 --> 01:04:05,240

for the progress of all people

1384

01:04:14,870 --> 01:04:12,789

space and related industries

1385

01:04:17,829 --> 01:04:14,880

are generating new demand

1386

01:04:20,390 --> 01:04:17,839

investment and skilled personalities the

1387

01:04:22,150 --> 01:04:20,400

growth of our science and education will

1388

01:04:24,710 --> 01:04:22,160

be enriched by new knowledge of our

1389

01:04:27,589 --> 01:04:24,720

universe and environment

1390

01:04:35,349 --> 01:04:27,599

to solve these mysteries to solve them

1391

01:04:40,950 --> 01:04:38,710

hello again so for nearly 22 years

1392

01:04:43,190 --> 01:04:40,960

humans have lived and worked in space in

1393

01:04:46,150 --> 01:04:43,200

a continuous unbroken streak to test new

1394

01:04:47,990 --> 01:04:46,160

technologies conduct scientific research

1395

01:04:49,109 --> 01:04:48,000

and learn what it takes to explore deep

1396

01:04:51,910 --> 01:04:49,119

space

1397

01:04:55,029 --> 01:04:51,920

at the moon and eventually mars

1398

01:04:57,829 --> 01:04:55,039

at this very moment this work is ongoing

1399

01:05:01,349 --> 01:04:57,839

aboard the international space station

1400

01:05:03,829 --> 01:05:01,359

let's now travel 250 miles straight up

1401
01:05:05,829 --> 01:05:03,839
to hear the crew of expedition 67

1402
01:05:09,829 --> 01:05:05,839
reflect on this particular moment in

1403
01:05:12,870 --> 01:05:11,029
greetings from the international space

1404
01:05:15,029 --> 01:05:12,880
station to all of you at rice stadium in

1405
01:05:17,109 --> 01:05:15,039
houston i'm nasa astronaut chelle

1406
01:05:19,510 --> 01:05:17,119
lindgren joined by my crewmates and

1407
01:05:21,990 --> 01:05:19,520
fellow nasa astronauts bob hines and

1408
01:05:24,309 --> 01:05:22,000
jessica watkins as well as european

1409
01:05:26,549 --> 01:05:24,319
space agency astronaut samantha christa

1410
01:05:28,549 --> 01:05:26,559
ferretti

1411
01:05:30,710 --> 01:05:28,559
we are honored to join

1412
01:05:33,510 --> 01:05:30,720
the 60th anniversary celebration of john

1413
01:05:35,589 --> 01:05:33,520

f kennedy's historic moonshot speech

1414

01:05:36,470 --> 01:05:35,599

today is a day to reflect on how far we

1415

01:05:38,470 --> 01:05:36,480

have come

1416

01:05:40,950 --> 01:05:38,480

and to reaffirm our commitment to the

1417

01:05:41,829 --> 01:05:40,960

exploration of space for the benefit of

1418

01:05:44,230 --> 01:05:41,839

all

1419

01:05:46,309 --> 01:05:44,240

the apollo program was an awe-inspiring

1420

01:05:48,470 --> 01:05:46,319

example of what we are capable of when

1421

01:05:51,270 --> 01:05:48,480

we commit our talents and resources to a

1422

01:05:53,670 --> 01:05:51,280

complex goal we are proud to continue

1423

01:05:55,910 --> 01:05:53,680

that bold tradition today with more than

1424

01:05:58,230 --> 01:05:55,920

two decades of continuous presence

1425

01:06:00,069 --> 01:05:58,240

aboard the international space station

1426

01:06:02,309 --> 01:06:00,079

the work we're doing here on station

1427

01:06:04,069 --> 01:06:02,319

builds on the apollo program and helps

1428

01:06:06,710 --> 01:06:04,079

to prepare us for the next chapter in

1429

01:06:08,789 --> 01:06:06,720

human history under the artemis program

1430

01:06:10,630 --> 01:06:08,799

we'll return to the moon and from there

1431

01:06:12,150 --> 01:06:10,640

we'll prepare for human exploration of

1432

01:06:14,630 --> 01:06:12,160

mars

1433

01:06:16,390 --> 01:06:14,640

as a test bed for deep space exploration

1434

01:06:18,230 --> 01:06:16,400

the station is helping us learn how to

1435

01:06:20,710 --> 01:06:18,240

keep astronauts healthy during long

1436

01:06:23,029 --> 01:06:20,720

duration space travel and demonstrating

1437

01:06:25,910 --> 01:06:23,039

technologies for human and robotic

1438

01:06:28,150 --> 01:06:25,920

exploration beyond low earth orbit

1439

01:06:30,710 --> 01:06:28,160

international collaboration is what made

1440

01:06:33,270 --> 01:06:30,720

the dream of a scientific and commercial

1441

01:06:35,029 --> 01:06:33,280

orbital laboratory a reality

1442

01:06:37,029 --> 01:06:35,039

the remarkable achievements of the

1443

01:06:40,069 --> 01:06:37,039

international space station are made

1444

01:06:42,870 --> 01:06:40,079

possible by the diversity of talents and

1445

01:06:45,990 --> 01:06:42,880

experience international partners bring

1446

01:06:47,990 --> 01:06:46,000

to the project with artemis nasa and its

1447

01:06:49,990 --> 01:06:48,000

international partners will build on the

1448

01:06:53,029 --> 01:06:50,000

decades of collaboration to press

1449

01:06:54,870 --> 01:06:53,039

forward to the next frontier and land

1450

01:06:57,190 --> 01:06:54,880

the first woman and the first person of

1451

01:06:59,109 --> 01:06:57,200

color on the surface of the moon

1452

01:07:01,270 --> 01:06:59,119

our long-term goal has always been to

1453

01:07:03,270 --> 01:07:01,280

send humans to mars and the moon is an

1454

01:07:05,349 --> 01:07:03,280

important step on that journey with the

1455

01:07:07,029 --> 01:07:05,359

experience we gain through artemis we

1456

01:07:09,910 --> 01:07:07,039

will establish sustainable human

1457

01:07:12,549 --> 01:07:09,920

transportation habitation infrastructure

1458

01:07:14,870 --> 01:07:12,559

operations and science that enables deep

1459

01:07:17,109 --> 01:07:14,880

space exploration as we celebrate

1460

01:07:18,950 --> 01:07:17,119

president kennedy's historic speech we

1461

01:07:20,950 --> 01:07:18,960

are reminded that we count on the next

1462

01:07:22,230 --> 01:07:20,960

generation to carry on the passion of

1463

01:07:23,510 --> 01:07:22,240

exploration

1464

01:07:25,510 --> 01:07:23,520

we need you

1465

01:07:28,069 --> 01:07:25,520

the next generation of scientists

1466

01:07:29,910 --> 01:07:28,079

engineers explorers and other stem

1467

01:07:33,109 --> 01:07:29,920

professionals to join us in the

1468

01:07:34,630 --> 01:07:33,119

excitement and make this dream possible

1469

01:07:37,109 --> 01:07:34,640

the apollo generation laid the

1470

01:07:39,510 --> 01:07:37,119

foundation of exploration the artemis

1471

01:07:44,580 --> 01:07:39,520

program will now carry us to the moon

1472

01:07:44,590 --> 01:07:51,680

[Music]

1473

01:07:57,750 --> 01:07:55,750

[Applause]

1474

01:08:01,910 --> 01:07:57,760

good morning

1475

01:08:04,710 --> 01:08:01,920

at the time of president kennedy's page

1476

01:08:07,510 --> 01:08:04,720

i was a character at the french air

1477

01:08:10,470 --> 01:08:07,520

force academy

1478

01:08:12,069 --> 01:08:10,480

like many other young people on the

1479

01:08:13,750 --> 01:08:12,079

planet

1480

01:08:15,829 --> 01:08:13,760

i understood

1481

01:08:18,229 --> 01:08:15,839

that a new era

1482

01:08:20,470 --> 01:08:18,239

of space exploration

1483

01:08:23,349 --> 01:08:20,480

had begun

1484

01:08:26,950 --> 01:08:23,359

i understood that fantastic doors

1485

01:08:28,789 --> 01:08:26,960

were quickly opening over our heads

1486

01:08:32,070 --> 01:08:28,799

and i realized

1487

01:08:34,630 --> 01:08:32,080

that our brains would impose

1488

01:08:36,709 --> 01:08:34,640

efforts and sacrifices

1489

01:08:38,550 --> 01:08:36,719

and occasionally

1490

01:08:39,990 --> 01:08:38,560

losses

1491

01:08:42,630 --> 01:08:40,000

one phrase

1492

01:08:44,550 --> 01:08:42,640

in president kennedy's speech remained

1493

01:08:47,590 --> 01:08:44,560

in my mind

1494

01:08:51,110 --> 01:08:47,600

and helped sometimes

1495

01:08:52,789 --> 01:08:51,120

if this capsule history

1496

01:08:53,990 --> 01:08:52,799

of our progress

1497

01:08:54,789 --> 01:08:54,000

teaches

1498

01:08:56,630 --> 01:08:54,799

us

1499

01:08:59,590 --> 01:08:56,640

anything

1500

01:09:02,470 --> 01:08:59,600

it is that man in his quest

1501
01:09:04,470 --> 01:09:02,480
for knowledge and progress

1502
01:09:07,749 --> 01:09:04,480
is determined

1503
01:09:08,709 --> 01:09:07,759
and cannot be deterred

1504
01:09:12,470 --> 01:09:08,719
thanks

1505
01:09:15,829 --> 01:09:12,480
to president bush to space exploration

1506
01:09:17,030 --> 01:09:15,839
each of us in the job

1507
01:09:18,709 --> 01:09:17,040
got his

1508
01:09:20,390 --> 01:09:18,719
or her

1509
01:09:23,510 --> 01:09:20,400
inspirational

1510
01:09:29,430 --> 01:09:26,149
i was not alive when president kennedy

1511
01:09:31,990 --> 01:09:29,440
made his speech here in this stadium

1512
01:09:34,490 --> 01:09:32,000
but i was a four-year-old living in

1513
01:09:35,910 --> 01:09:34,500

houston when we first walked on the moon

1514

01:09:38,709 --> 01:09:35,920

[Music]

1515

01:09:41,829 --> 01:09:38,719

i remember being in my backyard

1516

01:09:43,910 --> 01:09:41,839

with my parents and my older sister

1517

01:09:45,749 --> 01:09:43,920

looking up at the moon

1518

01:09:47,430 --> 01:09:45,759

that was rising over the roof of our

1519

01:09:49,669 --> 01:09:47,440

house

1520

01:09:51,829 --> 01:09:49,679

i remember my parents saying something

1521

01:09:55,110 --> 01:09:51,839

to the effect of

1522

01:09:57,910 --> 01:09:55,120

we have people there

1523

01:10:01,510 --> 01:09:57,920

it was then that i decided

1524

01:10:06,470 --> 01:10:03,750

the part of president kennedy's speech

1525

01:10:08,470 --> 01:10:06,480

that always resonated with me

1526

01:10:09,350 --> 01:10:08,480

is that a chronic line

1527

01:10:12,149 --> 01:10:09,360

about

1528

01:10:15,030 --> 01:10:12,159

doing things because they are hard

1529

01:10:16,550 --> 01:10:15,040

but then it's the next phrase

1530

01:10:18,550 --> 01:10:16,560

he said

1531

01:10:21,830 --> 01:10:18,560

because that goal

1532

01:10:25,990 --> 01:10:21,840

will serve to organize and measure

1533

01:10:28,310 --> 01:10:26,000

the best of our energies and our skills

1534

01:10:30,790 --> 01:10:28,320

it was certainly true then

1535

01:10:31,669 --> 01:10:30,800

and it is still true now

1536

01:10:34,310 --> 01:10:31,679

big

1537

01:10:37,030 --> 01:10:34,320

difficult challenges demand the best of

1538

01:10:41,350 --> 01:10:37,040

our energies and our skills

1539

01:10:44,870 --> 01:10:42,709

the future

1540

01:10:48,229 --> 01:10:44,880

of humanity

1541

01:10:50,630 --> 01:10:48,239

through space exploration

1542

01:10:52,070 --> 01:10:50,640

depends on the strong

1543

01:10:53,750 --> 01:10:52,080

acceptance

1544

01:10:55,350 --> 01:10:53,760

of ethical

1545

01:10:57,110 --> 01:10:55,360

values

1546

01:10:58,390 --> 01:10:57,120

that should already

1547

01:11:01,590 --> 01:10:58,400

drive

1548

01:11:05,990 --> 01:11:03,270

all of us

1549

01:11:07,430 --> 01:11:06,000

space travelers

1550

01:11:09,990 --> 01:11:07,440

can witness

1551
01:11:12,550 --> 01:11:10,000
that the more we climb

1552
01:11:14,790 --> 01:11:12,560
the more we forget

1553
01:11:16,630 --> 01:11:14,800
about the struggles

1554
01:11:19,030 --> 01:11:16,640
on earth

1555
01:11:21,590 --> 01:11:19,040
and the more we feel

1556
01:11:23,510 --> 01:11:21,600
the fragile soul

1557
01:11:24,830 --> 01:11:23,520
of our beautiful

1558
01:11:29,590 --> 01:11:24,840
home

1559
01:11:31,270 --> 01:11:29,600
planet the full beauty of the earth

1560
01:11:33,510 --> 01:11:31,280
appears with

1561
01:11:35,910 --> 01:11:33,520
distance

1562
01:11:39,430 --> 01:11:35,920
and we can appreciate

1563
01:11:41,510 --> 01:11:39,440

thanks to the amazing discoveries

1564

01:11:43,430 --> 01:11:41,520
of the hubble

1565

01:11:46,630 --> 01:11:43,440
and james webb

1566

01:11:49,669 --> 01:11:47,669
jean lu

1567

01:11:51,189 --> 01:11:49,679
you are right about the beauty of the

1568

01:11:54,390 --> 01:11:51,199
earth

1569

01:11:57,270 --> 01:11:54,400
looking down from the space station one

1570

01:11:59,750 --> 01:11:57,280
has a unique vantage point to take in

1571

01:12:01,189 --> 01:11:59,760
the wonders of our planet

1572

01:12:04,310 --> 01:12:01,199
the continents

1573

01:12:07,110 --> 01:12:04,320
the oceans the clouds

1574

01:12:08,390 --> 01:12:07,120
you can see that we are all one

1575

01:12:09,910 --> 01:12:08,400
together

1576

01:12:11,510 --> 01:12:09,920

on our precious

1577

01:12:14,070 --> 01:12:11,520

and yes

1578

01:12:16,870 --> 01:12:14,080

our fragile earth

1579

01:12:20,310 --> 01:12:16,880

turning one's gaze to the stars you can

1580

01:12:22,470 --> 01:12:20,320

feel the enormity of the universe

1581

01:12:24,390 --> 01:12:22,480

you know that we need to continue to

1582

01:12:26,950 --> 01:12:24,400

explore

1583

01:12:28,550 --> 01:12:26,960

and we need to continue it

1584

01:12:30,310 --> 01:12:28,560

in peace

1585

01:12:33,910 --> 01:12:30,320

and harmony

1586

01:12:39,750 --> 01:12:34,950

let's

1587

01:12:41,990 --> 01:12:39,760

the beauty

1588

01:12:44,790 --> 01:12:42,000

of our planet

1589

01:12:47,110 --> 01:12:44,800

and get ready to pursue

1590

01:12:48,790 --> 01:12:47,120

on the same ship

1591

01:12:50,390 --> 01:12:48,800

the fantastic

1592

01:12:52,070 --> 01:12:50,400

odyssey

1593

01:12:55,270 --> 01:12:52,080

of space

1594

01:12:59,110 --> 01:12:57,669

and we are doing that

1595

01:13:00,870 --> 01:12:59,120

right now

1596

01:13:01,990 --> 01:13:00,880

on a launch pad at the kennedy space

1597

01:13:05,030 --> 01:13:02,000

center

1598

01:13:06,470 --> 01:13:05,040

is our first artemis rocket

1599

01:13:08,870 --> 01:13:06,480

very soon

1600

01:13:10,470 --> 01:13:08,880

we'll be launching once more towards the

1601
01:13:12,390 --> 01:13:10,480
moon

1602
01:13:15,910 --> 01:13:12,400
nasa is working with our commercial

1603
01:13:18,709 --> 01:13:15,920
partners and international partners

1604
01:13:21,510 --> 01:13:18,719
to establish the first long-term

1605
01:13:22,950 --> 01:13:21,520
presence at the moon

1606
01:13:25,030 --> 01:13:22,960
jointly

1607
01:13:26,229 --> 01:13:25,040
we will venture out into our solar

1608
01:13:28,229 --> 01:13:26,239
system

1609
01:13:29,910 --> 01:13:28,239
to explore

1610
01:13:30,830 --> 01:13:29,920
and see

1611
01:13:38,950 --> 01:13:30,840
and

1612
01:13:45,110 --> 01:13:40,630
space

1613
01:13:46,950 --> 01:13:45,120

is a peaceful place where international

1614

01:13:49,350 --> 01:13:46,960

cooperation

1615

01:13:52,870 --> 01:13:49,360

is a success

1616

01:13:54,630 --> 01:13:52,880

and this is a kind of a drug

1617

01:13:56,470 --> 01:13:54,640

just ask

1618

01:13:59,030 --> 01:13:56,480

politicians

1619

01:14:02,070 --> 01:13:59,040

why spaceships

1620

01:14:03,990 --> 01:14:02,080

such as their atmospheric

1621

01:14:05,510 --> 01:14:04,000

colleagues

1622

01:14:07,590 --> 01:14:05,520

don't drop

1623

01:14:10,630 --> 01:14:07,600

a flight plan

1624

01:14:13,510 --> 01:14:10,640

before flying over

1625

01:14:15,110 --> 01:14:13,520

so many foreign countries

1626
01:14:18,310 --> 01:14:15,120
sometimes

1627
01:14:19,910 --> 01:14:18,320
not so friendly

1628
01:14:21,750 --> 01:14:19,920
thanks

1629
01:14:24,630 --> 01:14:21,760
america

1630
01:14:26,709 --> 01:14:24,640
for your international

1631
01:14:30,950 --> 01:14:26,719
cooperation

1632
01:14:34,950 --> 01:14:33,030
and thank you

1633
01:14:37,550 --> 01:14:34,960
and thanks to all our international

1634
01:14:38,950 --> 01:14:37,560
partners who are with us on this journey

1635
01:14:41,510 --> 01:14:38,960
[Music]

1636
01:14:44,540 --> 01:14:41,520
and now it is my honor to introduce our

1637
01:14:46,910 --> 01:14:44,550
nasa associate administrator bob cabana

1638
01:14:50,709 --> 01:14:46,920

[Music]

1639

01:14:55,030 --> 01:14:53,350

thank you shannon

1640

01:14:57,750 --> 01:14:55,040

all right

1641

01:15:01,910 --> 01:14:57,760

we are going

1642

01:15:04,310 --> 01:15:01,920

now as jfk declared 60 years ago

1643

01:15:06,070 --> 01:15:04,320

we are choosing to go

1644

01:15:09,110 --> 01:15:06,080

and we're going together

1645

01:15:10,709 --> 01:15:09,120

we're going because of our unified goal

1646

01:15:12,709 --> 01:15:10,719

and the strength that comes from our

1647

01:15:15,189 --> 01:15:12,719

diversity

1648

01:15:18,149 --> 01:15:15,199

the impact of apollo and the achievement

1649

01:15:21,189 --> 01:15:18,159

of bold exploration goals has rippled

1650

01:15:23,510 --> 01:15:21,199

out in ways that would be impossible to

1651
01:15:25,910 --> 01:15:23,520
precisely measure

1652
01:15:28,550 --> 01:15:25,920
we not only went to the moon

1653
01:15:31,110 --> 01:15:28,560
but we are not looking at stars form in

1654
01:15:34,470 --> 01:15:31,120
the earliest parts of our universe we're

1655
01:15:36,070 --> 01:15:34,480
flying helicopters on mars

1656
01:15:39,110 --> 01:15:36,080
and we're using advancements in

1657
01:15:43,030 --> 01:15:39,120
technology and science to understand our

1658
01:15:47,830 --> 01:15:45,270
nasa has also changed

1659
01:15:49,910 --> 01:15:47,840
we've moved forward we're more inclusive

1660
01:15:52,550 --> 01:15:49,920
we're more diverse

1661
01:15:54,310 --> 01:15:52,560
we have a whole generation

1662
01:15:56,149 --> 01:15:54,320
a few thousand of

1663
01:15:57,910 --> 01:15:56,159

those are here with us today and they

1664

01:16:00,950 --> 01:15:57,920

were really smart they moved up under

1665

01:16:04,870 --> 01:16:02,870

uh anyway they're with us today

1666

01:16:07,270 --> 01:16:04,880

including

1667

01:16:10,630 --> 01:16:07,280

our next and final speaker

1668

01:16:14,950 --> 01:16:10,640

the talented and accomplished houston

1669

01:16:15,830 --> 01:16:14,960

youth poet laureate avion hogans

1670

01:16:20,149 --> 01:16:15,840

now

1671

01:16:22,550 --> 01:16:20,159

anyone that is 21 years old or younger

1672

01:16:24,709 --> 01:16:22,560

for their entire life

1673

01:16:27,990 --> 01:16:24,719

people have been living and working

1674

01:16:29,990 --> 01:16:28,000

aboard the international space station

1675

01:16:34,149 --> 01:16:30,000

for them

1676

01:16:37,189 --> 01:16:34,159

humanity as a space faring species is

1677

01:16:39,350 --> 01:16:37,199

just a part of what we do

1678

01:16:41,350 --> 01:16:39,360

i had the extreme good fortune to fly

1679

01:16:42,630 --> 01:16:41,360

four space shuttle missions as a nasa

1680

01:16:44,550 --> 01:16:42,640

astronaut

1681

01:16:45,750 --> 01:16:44,560

and i often get asked which one was my

1682

01:16:48,950 --> 01:16:45,760

favorite

1683

01:16:50,550 --> 01:16:48,960

and and it's easy it was my last one

1684

01:16:52,630 --> 01:16:50,560

the first assembly mission of the

1685

01:16:55,270 --> 01:16:52,640

international space station

1686

01:16:59,189 --> 01:16:55,280

and and one of my crewmates rice alum dr

1687

01:17:02,310 --> 01:16:59,199

jim newman is here in the audience today

1688

01:17:05,030 --> 01:17:02,320

since november 2nd of 2000

1689

01:17:06,950 --> 01:17:05,040

humans have been continually living and

1690

01:17:08,709 --> 01:17:06,960

working in space

1691

01:17:11,590 --> 01:17:08,719

that's significant

1692

01:17:14,229 --> 01:17:11,600

it impacts the way we see the world

1693

01:17:18,790 --> 01:17:14,239

it's why i always encourage people

1694

01:17:20,790 --> 01:17:18,800

to get out look up watch it fly overhead

1695

01:17:22,470 --> 01:17:20,800

now if you missed it at 5 30 this

1696

01:17:23,830 --> 01:17:22,480

morning i doubt most of you were out

1697

01:17:25,990 --> 01:17:23,840

then

1698

01:17:27,990 --> 01:17:26,000

weather permitting there's another

1699

01:17:30,310 --> 01:17:28,000

four-minute opportunity

1700

01:17:31,990 --> 01:17:30,320

at 8 30 this evening as it comes over

1701
01:17:34,550 --> 01:17:32,000
houston

1702
01:17:36,630 --> 01:17:34,560
i love to watch it pass over and know

1703
01:17:39,350 --> 01:17:36,640
that my friends are up there

1704
01:17:42,310 --> 01:17:39,360
advancing technologies we need for the

1705
01:17:45,350 --> 01:17:42,320
new artemis missions to the moon and

1706
01:17:47,350 --> 01:17:45,360
paving our way to the future

1707
01:17:48,950 --> 01:17:47,360
today's students those here with us

1708
01:17:51,430 --> 01:17:48,960
today

1709
01:17:53,510 --> 01:17:51,440
and in classrooms throughout the country

1710
01:17:55,030 --> 01:17:53,520
and around the world

1711
01:17:56,830 --> 01:17:55,040
have not seen us

1712
01:17:59,270 --> 01:17:56,840
send people to the

1713
01:18:00,709 --> 01:17:59,280

moon yet

1714

01:18:02,709 --> 01:18:00,719

but they will

1715

01:18:07,750 --> 01:18:02,719

we are going

1716

01:18:09,910 --> 01:18:07,760

what is life like on the south pole of

1717

01:18:12,390 --> 01:18:09,920

the moon what can we learn from the

1718

01:18:13,750 --> 01:18:12,400

formation of our own planet by being on

1719

01:18:16,630 --> 01:18:13,760

the moon

1720

01:18:19,030 --> 01:18:16,640

how can we live further away from earth

1721

01:18:20,870 --> 01:18:19,040

our goals are ambitious

1722

01:18:23,990 --> 01:18:20,880

it's not easy

1723

01:18:27,030 --> 01:18:24,000

but we can accomplish hard things

1724

01:18:29,110 --> 01:18:27,040

we dare mighty things

1725

01:18:30,550 --> 01:18:29,120

we are so close to launching the first

1726

01:18:32,390 --> 01:18:30,560

artifice mission

1727

01:18:35,350 --> 01:18:32,400

with our mega moon rocket the space

1728

01:18:37,750 --> 01:18:35,360

launch system and the orion crew capsule

1729

01:18:39,830 --> 01:18:37,760

with four astronauts

1730

01:18:42,070 --> 01:18:39,840

we're going to put those spacecraft

1731

01:18:45,030 --> 01:18:42,080

through a rigorous mission without crew

1732

01:18:47,510 --> 01:18:45,040

in the extreme environment of deep space

1733

01:18:49,750 --> 01:18:47,520

to prove we're ready to fly crew on the

1734

01:18:51,910 --> 01:18:49,760

artemis ii mission

1735

01:18:54,470 --> 01:18:51,920

on this first artemis mission

1736

01:18:57,590 --> 01:18:54,480

orion will fly further from earth than

1737

01:18:59,430 --> 01:18:57,600

any spacecraft built for humans has ever

1738

01:19:01,669 --> 01:18:59,440

flown

1739

01:19:04,950 --> 01:19:01,679

and stay in space longer

1740

01:19:08,149 --> 01:19:04,960

without docking to a space station

1741

01:19:10,630 --> 01:19:08,159

than any ship has ever done before and

1742

01:19:13,750 --> 01:19:10,640

then it will return home faster and

1743

01:19:15,430 --> 01:19:13,760

hotter than ever before

1744

01:19:19,030 --> 01:19:15,440

astronauts on their first flight aboard

1745

01:19:20,950 --> 01:19:19,040

the orion spacecraft on artemis 2

1746

01:19:22,630 --> 01:19:20,960

will lead the way so we can land the

1747

01:19:25,990 --> 01:19:22,640

first woman and the first person of

1748

01:19:27,910 --> 01:19:26,000

color on the moon on artemis iii

1749

01:19:29,910 --> 01:19:27,920

these early missions

1750

01:19:32,630 --> 01:19:29,920

will enable future learner surface

1751
01:19:35,030 --> 01:19:32,640
missions preparing us to send astronauts

1752
01:19:37,750 --> 01:19:35,040
to mars

1753
01:19:39,510 --> 01:19:37,760
you are living in an incredible time for

1754
01:19:42,149 --> 01:19:39,520
human space flight

1755
01:19:44,709 --> 01:19:42,159
and i hope that you are as excited about

1756
01:19:47,750 --> 01:19:44,719
it as i am

1757
01:19:50,709 --> 01:19:47,760
the scientific discoveries we'll make

1758
01:19:53,430 --> 01:19:50,719
on these missions will enable humanity

1759
01:19:55,990 --> 01:19:53,440
to learn more about our universe

1760
01:19:58,070 --> 01:19:56,000
and artemis is just one part of what

1761
01:20:00,070 --> 01:19:58,080
we're doing at nasa

1762
01:20:02,070 --> 01:20:00,080
we have a place for you

1763
01:20:03,510 --> 01:20:02,080

no matter what

1764

01:20:05,189 --> 01:20:03,520

come join us

1765

01:20:06,709 --> 01:20:05,199

it doesn't matter what you're passionate

1766

01:20:08,070 --> 01:20:06,719

about it just matters that you're

1767

01:20:12,550 --> 01:20:08,080

passionate

1768

01:20:16,470 --> 01:20:13,669

evian

1769

01:20:18,550 --> 01:20:16,480

i am so looking forward to you sharing

1770

01:20:20,630 --> 01:20:18,560

your poem with us i can't wait to hear

1771

01:20:22,950 --> 01:20:20,640

what poems you're going to write

1772

01:20:24,709 --> 01:20:22,960

and compose after the first woman at

1773

01:20:26,870 --> 01:20:24,719

first person of color stepped down on

1774

01:20:29,110 --> 01:20:26,880

the surface of the moon

1775

01:20:31,030 --> 01:20:29,120

so let's keep charging

1776

01:20:32,630 --> 01:20:31,040

but don't forget

1777

01:20:34,310 --> 01:20:32,640

keep looking up

1778

01:20:36,470 --> 01:20:34,320

see the stars

1779

01:20:38,470 --> 01:20:36,480

and look for the space station

1780

01:20:39,750 --> 01:20:38,480

and wave hello to those astronauts up

1781

01:20:41,350 --> 01:20:39,760

there

1782

01:20:43,430 --> 01:20:41,360

as we go to the moon

1783

01:20:44,980 --> 01:20:43,440

and further with artemis

1784

01:20:52,390 --> 01:20:44,990

thank you

1785

01:20:53,910 --> 01:20:52,400

[Applause]

1786

01:20:55,510 --> 01:20:53,920

well thank you i want to thank the all

1787

01:20:58,470 --> 01:20:55,520

of our speakers today

1788

01:21:01,750 --> 01:20:58,480

um the message is loud and clear we are

1789

01:21:03,510 --> 01:21:01,760

going to the moon

1790

01:21:05,030 --> 01:21:03,520

so let us continue to encourage our

1791

01:21:06,310 --> 01:21:05,040

present and future generation of

1792

01:21:08,229 --> 01:21:06,320

explorers

1793

01:21:09,830 --> 01:21:08,239

we know that the curiosity of curiosity

1794

01:21:12,790 --> 01:21:09,840

and passion will help us to achieve the

1795

01:21:14,630 --> 01:21:12,800

next step in space exploration

1796

01:21:16,790 --> 01:21:14,640

giving life and continuing the legacy of

1797

01:21:18,709 --> 01:21:16,800

president kennedy's world

1798

01:21:20,790 --> 01:21:18,719

i know of no better way to close this

1799

01:21:22,790 --> 01:21:20,800

program than from a member of this the

1800

01:21:24,790 --> 01:21:22,800

artemis generation

1801
01:21:26,390 --> 01:21:24,800
it gives me great pleasure to introduce

1802
01:21:28,550 --> 01:21:26,400
avalon hogan

1803
01:21:30,950 --> 01:21:28,560
houston's youth poet laureate and our

1804
01:21:33,030 --> 01:21:30,960
proud rice university freshman who will

1805
01:21:39,190 --> 01:21:33,040
give a special rendition of our poem

1806
01:21:43,110 --> 01:21:40,830
[Applause]

1807
01:21:45,590 --> 01:21:43,120
avalon hello

1808
01:21:48,310 --> 01:21:45,600
my name is avalon hogans

1809
01:21:50,870 --> 01:21:48,320
along with being houston's youth poet

1810
01:21:52,870 --> 01:21:50,880
laureate i am also a freshman here at

1811
01:21:56,229 --> 01:21:52,880
rice university

1812
01:21:57,990 --> 01:21:56,239
i wrote a poem entitled skyline of mine

1813
01:21:59,830 --> 01:21:58,000

it's about houston

1814

01:22:02,790 --> 01:21:59,840

as a native houstonian

1815

01:22:05,430 --> 01:22:02,800

many things make me proud to live here

1816

01:22:07,510 --> 01:22:05,440

i am proud to attend the sixth best

1817

01:22:09,750 --> 01:22:07,520

school in the nation

1818

01:22:13,030 --> 01:22:09,760

i am proud to be here today to

1819

01:22:15,990 --> 01:22:13,040

commemorate such a monumental occasion

1820

01:22:17,590 --> 01:22:16,000

i feel special connection with nasa

1821

01:22:19,990 --> 01:22:17,600

my grandmother worked there for many

1822

01:22:21,590 --> 01:22:20,000

years as a government worker

1823

01:22:23,830 --> 01:22:21,600

and even received a letter from

1824

01:22:26,229 --> 01:22:23,840

president obama before her retirement

1825

01:22:29,030 --> 01:22:26,239

honoring her work at nasa

1826
01:22:31,830 --> 01:22:29,040
my grandmother inspires me daily to be

1827
01:22:33,910 --> 01:22:31,840
resilient and to follow my dreams

1828
01:22:35,030 --> 01:22:33,920
and i see this also in the city of

1829
01:22:39,830 --> 01:22:35,040
houston

1830
01:22:43,590 --> 01:22:39,840
it's full of talented hard-working

1831
01:22:46,870 --> 01:22:43,600
individuals who inspire one another

1832
01:22:48,950 --> 01:22:46,880
this inspired my poem skyline of mine

1833
01:22:50,870 --> 01:22:48,960
which is about how the people make this

1834
01:22:53,590 --> 01:22:50,880
city so bright

1835
01:22:55,110 --> 01:22:53,600
i was born and raised here in the fourth

1836
01:22:57,750 --> 01:22:55,120
ward area

1837
01:22:59,910 --> 01:22:57,760
as a shy kid who loved to write but was

1838
01:23:01,669 --> 01:22:59,920

scared to speak her mind

1839

01:23:04,229 --> 01:23:01,679

but as i got older

1840

01:23:06,470 --> 01:23:04,239

i uncovered more and more about how

1841

01:23:09,669 --> 01:23:06,480

truly unique and beautiful

1842

01:23:12,830 --> 01:23:09,679

houston's art and culture is here

1843

01:23:14,470 --> 01:23:12,840

it has been impossible to deny my own

1844

01:23:16,950 --> 01:23:14,480

aspirations

1845

01:23:18,310 --> 01:23:16,960

houston is full of creation and

1846

01:23:20,310 --> 01:23:18,320

innovation

1847

01:23:22,709 --> 01:23:20,320

from the museum district to the med

1848

01:23:25,189 --> 01:23:22,719

center to our own neighborhoods and the

1849

01:23:27,990 --> 01:23:25,199

stadium we're in right now

1850

01:23:30,550 --> 01:23:28,000

i feel so proud to grown up to be a

1851
01:23:32,709 --> 01:23:30,560
houston artist i hope one day i can

1852
01:23:33,920 --> 01:23:32,719
inspire others to shine and reach for

1853
01:23:36,070 --> 01:23:33,930
their own stars too

1854
01:23:39,030 --> 01:23:36,080
[Music]

1855
01:23:42,149 --> 01:23:39,040
skyline of mine

1856
01:23:43,830 --> 01:23:42,159
my heart beats along to the foot traffic

1857
01:23:46,430 --> 01:23:43,840
of downtown

1858
01:23:49,030 --> 01:23:46,440
sidewalk sky meets my potential

1859
01:23:51,910 --> 01:23:49,040
skyscrapers point me to my limitless

1860
01:23:55,990 --> 01:23:51,920
limits i hold my head high because i'm

1861
01:23:58,629 --> 01:23:56,000
h-town bound our culture so influential

1862
01:23:59,750 --> 01:23:58,639
paints such a beautiful and diverse

1863
01:24:04,229 --> 01:23:59,760

image

1864

01:24:07,350 --> 01:24:04,239

my city sparks hope my city gives lights

1865

01:24:09,990 --> 01:24:07,360

my city's my only home and locally made

1866

01:24:12,629 --> 01:24:10,000

my city's my birthright i've seen

1867

01:24:15,110 --> 01:24:12,639

fireworks out my window i've imagined my

1868

01:24:17,990 --> 01:24:15,120

own afro-american dream

1869

01:24:20,550 --> 01:24:18,000

i've seen thunder out my window

1870

01:24:21,750 --> 01:24:20,560

i watched flooded gloom drain back to

1871

01:24:25,350 --> 01:24:21,760

gleam

1872

01:24:28,629 --> 01:24:25,360

houston strong we rebuilt our legacy

1873

01:24:31,430 --> 01:24:28,639

brick by brick we regenerated our home

1874

01:24:34,550 --> 01:24:31,440

the days were long and dark in hurricane

1875

01:24:37,990 --> 01:24:34,560

harvey but houston hope doesn't drown it

1876

01:24:38,870 --> 01:24:38,000

floats the days were long and dark last

1877

01:24:42,070 --> 01:24:38,880

year

1878

01:24:45,350 --> 01:24:42,080

when texas snow turned to power gone

1879

01:24:46,870 --> 01:24:45,360

but as the freeze froze over we huddled

1880

01:24:49,350 --> 01:24:46,880

in closer

1881

01:24:51,669 --> 01:24:49,360

leaning on our community to keep us

1882

01:24:53,750 --> 01:24:51,679

powering on

1883

01:24:56,149 --> 01:24:53,760

dress to impress

1884

01:24:57,270 --> 01:24:56,159

my home is the most diverse in the

1885

01:25:00,390 --> 01:24:57,280

nation

1886

01:25:02,390 --> 01:25:00,400

beyonce blessed my home is the heart of

1887

01:25:06,470 --> 01:25:02,400

aspiration

1888

01:25:09,350 --> 01:25:06,480

but the art is in the artist and the who

1889

01:25:11,030 --> 01:25:09,360

the singer is in the song and the author

1890

01:25:12,470 --> 01:25:11,040

is in the book

1891

01:25:15,110 --> 01:25:12,480

it's the people

1892

01:25:17,350 --> 01:25:15,120

who make this place worth praising

1893

01:25:19,189 --> 01:25:17,360

it's the culture that makes this place

1894

01:25:22,550 --> 01:25:19,199

so amazing

1895

01:25:24,310 --> 01:25:22,560

who says you can't see stars in the city

1896

01:25:26,950 --> 01:25:24,320

they're coming down the highway they're

1897

01:25:29,430 --> 01:25:26,960

running through the park who says stars

1898

01:25:32,229 --> 01:25:29,440

don't shine as bright in the city

1899

01:25:34,870 --> 01:25:32,239

in houston space city nickname we can

1900

01:25:37,430 --> 01:25:34,880

see stars in the light and in the dark

1901

01:25:40,870 --> 01:25:37,440

houston we have a problem and our

1902

01:25:43,830 --> 01:25:40,880

houstonians can solve it home to the

1903

01:25:46,070 --> 01:25:43,840

wisest and kindness you'll ever meet

1904

01:25:48,229 --> 01:25:46,080

shout out to the first gen students at

1905

01:25:50,790 --> 01:25:48,239

rice university

1906

01:25:53,590 --> 01:25:50,800

growing up and living in houston has

1907

01:25:56,149 --> 01:25:53,600

taught me so much about having pride

1908

01:25:58,310 --> 01:25:56,159

and i'm so proud to live under this

1909

01:25:59,610 --> 01:25:58,320

skylight of mine

1910

01:26:07,110 --> 01:25:59,620

thank you

1911

01:26:15,830 --> 01:26:09,030

i actually didn't think it was possible

1912

01:26:19,510 --> 01:26:17,430

and visions for houston

1913

01:26:21,270 --> 01:26:19,520

so before leaving the stage to the right

1914

01:26:23,430 --> 01:26:21,280

marching out band i want to thank you

1915

01:26:25,669 --> 01:26:23,440

all for being our guests for this very

1916

01:26:28,470 --> 01:26:25,679

special celebration and to remind you

1917

01:26:30,790 --> 01:26:28,480

that the future in space starts with you

1918

01:26:37,050 --> 01:26:30,800

please enjoy the exhibit space and have

1919

01:27:01,380 --> 01:26:55,200

[Music]