

W A T K I N S



1  
00:00:10,970 --> 00:00:08,049

[Music]

2  
00:00:13,370 --> 00:00:10,980

we choose to go to the moon in this

3  
00:00:15,709 --> 00:00:13,380

decade and do the other things not

4  
00:00:16,209 --> 00:00:15,719

because they are easy but because they

5  
00:00:22,390 --> 00:00:16,219

are hard

6  
00:00:28,970 --> 00:00:25,429

Quality Base here the eagle has landed

7  
00:00:31,490 --> 00:00:28,980

we set sail on this new scene because

8  
00:00:33,950 --> 00:00:31,500

there is new knowledge to be gained and

9  
00:00:37,130 --> 00:00:33,960

new rights to be won and they must be

10  
00:00:38,510 --> 00:00:37,140

won and used for the progress of all

11  
00:00:40,470 --> 00:00:38,520

people

12  
00:00:57,920 --> 00:00:40,480

foreign

13  
00:00:57,930 --> 00:01:01,189

[Music]

14

00:01:06,230 --> 00:01:03,889

welcome to Rice

15

00:01:08,929 --> 00:01:06,240

I'm David Alexander the director of the

16

00:01:11,750 --> 00:01:08,939

space Institute here at Rice University

17

00:01:13,670 --> 00:01:11,760

I'm so very honored to be here sitting

18

00:01:15,469 --> 00:01:13,680

thank you

19

00:01:17,510 --> 00:01:15,479

I'm so very honored to be here sharing

20

00:01:20,149 --> 00:01:17,520

this moment together with all of you

21

00:01:22,010 --> 00:01:20,159

today we remember the iconic speech

22

00:01:24,230 --> 00:01:22,020

they had President John F Kennedy gave

23

00:01:25,310 --> 00:01:24,240

here at Rice Stadium exactly 60 years

24

00:01:27,530 --> 00:01:25,320

ago

25

00:01:30,289 --> 00:01:27,540

a speech that inspired a nation with the

26  
00:01:32,090 --> 00:01:30,299  
audacious Vision to land a human on the

27  
00:01:34,130 --> 00:01:32,100  
moon for the first time

28  
00:01:35,149 --> 00:01:34,140  
the legacy of those words live on to

29  
00:01:37,609 --> 00:01:35,159  
this day

30  
00:01:39,410 --> 00:01:37,619  
the Inspire and challenge a new

31  
00:01:41,749 --> 00:01:39,420  
generation of explorers are all sitting

32  
00:01:44,149 --> 00:01:41,759  
over there to take up the mantle to

33  
00:01:46,550 --> 00:01:44,159  
return to the moon and from there cast

34  
00:01:48,530 --> 00:01:46,560  
their Vision deeper into space and turn

35  
00:01:50,330 --> 00:01:48,540  
our dreams of Humanity's Destiny Among

36  
00:01:52,249 --> 00:01:50,340  
the Stars into reality

37  
00:01:54,289 --> 00:01:52,259  
thank you for sharing this celebration

38  
00:01:58,130 --> 00:01:54,299

with us

39

00:01:59,210 --> 00:01:58,140

this morning and we thank you all for

40

00:02:01,030 --> 00:01:59,220

being here

41

00:02:03,770 --> 00:02:01,040

I would like to especially acknowledge

42

00:02:06,550 --> 00:02:03,780

those of you who in the audience who

43

00:02:09,650 --> 00:02:06,560

attended that speech all those years ago

44

00:02:21,830 --> 00:02:09,660

we stand and be acknowledged wherever

45

00:02:25,850 --> 00:02:23,809

I would like to also give a shout out to

46

00:02:28,729 --> 00:02:25,860

all of the students who are here from

47

00:02:38,089 --> 00:02:28,739

the Houston Independent School District

48

00:02:41,150 --> 00:02:39,949

this is this is really what it's all

49

00:02:42,949 --> 00:02:41,160

about

50

00:02:45,050 --> 00:02:42,959

um and to the college students from rice

51  
00:02:46,130 --> 00:02:45,060  
and our sister universities around the

52  
00:02:48,410 --> 00:02:46,140  
city

53  
00:02:50,509 --> 00:02:48,420  
most of you will be alive 40 years from

54  
00:02:54,050 --> 00:02:50,519  
now when we will be celebrating the

55  
00:02:56,330 --> 00:02:54,060  
100th anniversary and who knows perhaps

56  
00:02:58,430 --> 00:02:56,340  
we will even have a live feed from the

57  
00:03:01,369 --> 00:02:58,440  
women and men living and working on the

58  
00:03:05,449 --> 00:03:03,290  
with his enduring words President

59  
00:03:09,050 --> 00:03:05,459  
Kennedy inspired a generation of

60  
00:03:11,270 --> 00:03:09,060  
astronauts scientists engineers and

61  
00:03:13,009 --> 00:03:11,280  
explorers to make the impossible

62  
00:03:14,809 --> 00:03:13,019  
possible

63  
00:03:16,910 --> 00:03:14,819

join me in learning more about the

64

00:03:18,710 --> 00:03:16,920

impact of the speech and take a moment

65

00:03:21,530 --> 00:03:18,720

to hear from the director of the John F

66

00:03:24,170 --> 00:03:21,540

Kennedy Library Alan Price and NASA

67

00:03:30,250 --> 00:03:24,180

Deputy administer administrator Palm

68

00:03:30,260 --> 00:03:34,910

thank you

69

00:03:39,649 --> 00:03:37,729

Pam melroy welcome to the John F Kennedy

70

00:03:41,750 --> 00:03:39,659

Presidential Library and Museum it's

71

00:03:43,430 --> 00:03:41,760

great to have you here from NASA thank

72

00:03:45,289 --> 00:03:43,440

you Alan and it's really an honor to

73

00:03:48,170 --> 00:03:45,299

meet you and it's an honor and a thrill

74

00:03:51,530 --> 00:03:48,180

to be here it's an absolutely beautiful

75

00:03:53,570 --> 00:03:51,540

Museum so let's talk about space and

76

00:03:54,890 --> 00:03:53,580

President Kennedy

77

00:03:57,710 --> 00:03:54,900

the

78

00:04:00,470 --> 00:03:57,720

Rice University although it followed a

79

00:04:03,350 --> 00:04:00,480

message that he had sent to Congress in

80

00:04:06,009 --> 00:04:03,360

so many ways captured the moment in a

81

00:04:09,710 --> 00:04:06,019

very specific way his Direction about

82

00:04:11,089 --> 00:04:09,720

sending a man to the moon and he talked

83

00:04:13,670 --> 00:04:11,099

about doing other things as well

84

00:04:17,509 --> 00:04:13,680

returning him safely by the end of the

85

00:04:19,370 --> 00:04:17,519

decade it's iconic the speech I think is

86

00:04:22,310 --> 00:04:19,380

remarkable and I'm so glad that it

87

00:04:25,490 --> 00:04:22,320

continues to resonate and Inspire today

88

00:04:29,270 --> 00:04:25,500

the I think that some people don't fully

89

00:04:33,050 --> 00:04:29,280

appreciate the ambiguity of the science

90

00:04:34,249 --> 00:04:33,060

at that time and how bold that statement

91

00:04:36,590 --> 00:04:34,259

was

92

00:04:38,270 --> 00:04:36,600

and yet this bold statement of we're

93

00:04:39,290 --> 00:04:38,280

going to do it and bring them back

94

00:04:41,930 --> 00:04:39,300

safely

95

00:04:44,210 --> 00:04:41,940

an extraordinary statement I think it

96

00:04:47,570 --> 00:04:44,220

was a statement of belief in the

97

00:04:50,930 --> 00:04:47,580

capability of America that we could

98

00:04:53,210 --> 00:04:50,940

solve those problems and I think that

99

00:04:55,969 --> 00:04:53,220

has really stuck with me one of the

100

00:04:58,430 --> 00:04:55,979

things that I see about NASA is once we

101  
00:05:01,670 --> 00:04:58,440  
have decided what it is the thing that

102  
00:05:04,850 --> 00:05:01,680  
we want to do everyone just goes and

103  
00:05:06,950 --> 00:05:04,860  
does it and I think that speech kind of

104  
00:05:08,510 --> 00:05:06,960  
captured that well we're going to say we

105  
00:05:11,030 --> 00:05:08,520  
can do it and then we're we're going to

106  
00:05:20,090 --> 00:05:11,040  
prove to you that we can and I think

107  
00:05:24,409 --> 00:05:22,550  
I could pick up on another aspect I

108  
00:05:27,110 --> 00:05:24,419  
think of President Kennedy's vision for

109  
00:05:29,689 --> 00:05:27,120  
space exploration though clearly one of

110  
00:05:32,510 --> 00:05:29,699  
the motivators at the time was cold war

111  
00:05:34,370 --> 00:05:32,520  
and concern that Sputnik had gone ahead

112  
00:05:37,070 --> 00:05:34,380  
of us and who's going to grab the high

113  
00:05:38,890 --> 00:05:37,080

ground but he had a vision that space

114

00:05:41,749 --> 00:05:38,900

would be an area for international

115

00:05:44,210 --> 00:05:41,759

cooperation and collaboration

116

00:05:46,010 --> 00:05:44,220

it is a beacon for peaceful cooperation

117

00:05:48,409 --> 00:05:46,020

and we're seeing that on the

118

00:05:51,230 --> 00:05:48,419

International Space Station with our

119

00:05:53,570 --> 00:05:51,240

partners from all around the world it is

120

00:05:56,390 --> 00:05:53,580

a place that we can continue to always

121

00:05:59,330 --> 00:05:56,400

have conversations with each other and

122

00:06:01,370 --> 00:05:59,340

work together towards a common goal even

123

00:06:03,469 --> 00:06:01,380

when things are really tense here on

124

00:06:13,340 --> 00:06:03,479

Earth

125

00:06:19,730 --> 00:06:15,590

[Music]

126

00:06:23,090 --> 00:06:19,740

so who gets to go to space we have

127

00:06:25,730 --> 00:06:23,100

realized that what we're doing is so

128

00:06:29,029 --> 00:06:25,740

complicated we really need for our

129

00:06:31,249 --> 00:06:29,039

mission A diversity of perspectives

130

00:06:34,070 --> 00:06:31,259

and we have decided to weave that into

131

00:06:36,110 --> 00:06:34,080

the Artemis program we've committed and

132

00:06:39,230 --> 00:06:36,120

it will not be hard to do because we

133

00:06:40,730 --> 00:06:39,240

have many women and people of color in

134

00:06:42,710 --> 00:06:40,740

the office we have committed on the

135

00:06:45,950 --> 00:06:42,720

first landing that there will be the

136

00:06:48,469 --> 00:06:45,960

first woman to set foot on the moon as a

137

00:06:50,029 --> 00:06:48,479

part of the Artemis program and we also

138

00:06:51,770 --> 00:06:50,039

have committed throughout the Artemis

139

00:06:54,710 --> 00:06:51,780

campaign that the first person of color

140

00:06:57,950 --> 00:06:54,720

will also land on the Moon that is

141

00:07:00,290 --> 00:06:57,960

incredibly important to us super

142

00:07:01,430 --> 00:07:00,300

exciting it's about time it is about

143

00:07:13,510 --> 00:07:01,440

time I couldn't agree more

144

00:07:19,490 --> 00:07:16,670

of change and challenge

145

00:07:21,650 --> 00:07:19,500

in a decade of Hope and fear

146

00:07:22,909 --> 00:07:21,660

in an age of both knowledge and

147

00:07:25,490 --> 00:07:22,919

ignorance

148

00:07:28,610 --> 00:07:25,500

the greater our knowledge increases

149

00:07:31,129 --> 00:07:28,620

the greater our ignorance unfolds

150

00:07:35,270 --> 00:07:31,139

no man can fully grasp

151  
00:07:37,790 --> 00:07:35,280  
how far and how fast we have come

152  
00:07:40,370 --> 00:07:37,800  
but condense if you will

153  
00:07:42,950 --> 00:07:40,380  
the 50 000 years

154  
00:07:46,610 --> 00:07:42,960  
of man's record in history

155  
00:07:48,830 --> 00:07:46,620  
in a time span of about a half a century

156  
00:07:50,990 --> 00:07:48,840  
stated in these terms

157  
00:07:52,370 --> 00:07:51,000  
we know very little about the first 40

158  
00:07:54,290 --> 00:07:52,380  
years

159  
00:07:56,570 --> 00:07:54,300  
except at the end of them

160  
00:07:59,089 --> 00:07:56,580  
Advanced men had learned to use the

161  
00:08:01,309 --> 00:07:59,099  
skins of animals to cover them

162  
00:08:02,990 --> 00:08:01,319  
then about 10 years ago

163  
00:08:06,350 --> 00:08:03,000

under this standard

164

00:08:08,210 --> 00:08:06,360

man emerged from his caves to construct

165

00:08:10,490 --> 00:08:08,220

other kinds of shelter

166

00:08:12,409 --> 00:08:10,500

only five years ago

167

00:08:14,990 --> 00:08:12,419

man learned to write

168

00:08:17,809 --> 00:08:15,000

and use a cot with wheels

169

00:08:19,070 --> 00:08:17,819

Christianity began less than two years

170

00:08:22,010 --> 00:08:19,080

ago

171

00:08:25,070 --> 00:08:22,020

the printing press came this year

172

00:08:28,129 --> 00:08:25,080

and then less than two months ago

173

00:08:29,150 --> 00:08:28,139

during this whole 50-year span of human

174

00:08:30,890 --> 00:08:29,160

history

175

00:08:33,529 --> 00:08:30,900

the steam engine

176

00:08:36,409 --> 00:08:33,539

provided a new source of power

177

00:08:39,889 --> 00:08:36,419

Newton explored the meaning of gravity

178

00:08:43,010 --> 00:08:39,899

last month electric lights and

179

00:08:44,329 --> 00:08:43,020

telephones and Automobiles and airplanes

180

00:08:46,490 --> 00:08:44,339

became available

181

00:08:49,190 --> 00:08:46,500

only last week

182

00:08:53,090 --> 00:08:49,200

did we develop penicillin and television

183

00:08:54,889 --> 00:08:53,100

and nuclear power and now if America's

184

00:08:57,470 --> 00:08:54,899

new spacecraft

185

00:09:00,650 --> 00:08:57,480

succeeds in reaching Venus

186

00:09:03,530 --> 00:09:00,660

we will have literally reached the Stars

187

00:09:05,090 --> 00:09:03,540

before midnight tonight this is a

188

00:09:07,970 --> 00:09:05,100

breathhtaking pace

189

00:09:10,190 --> 00:09:07,980

and such a pace cannot help

190

00:09:12,350 --> 00:09:10,200

but create new Ales

191

00:09:16,670 --> 00:09:12,360

as it dispels old

192

00:09:19,910 --> 00:09:16,680

new ignorance new problems new dangers

193

00:09:23,870 --> 00:09:19,920

surely the opening vistas of space

194

00:09:25,550 --> 00:09:23,880

promise high costs and hardships as well

195

00:09:28,190 --> 00:09:25,560

as high reward

196

00:09:30,470 --> 00:09:28,200

so it is not surprising

197

00:09:34,910 --> 00:09:30,480

that some would have us stay where we

198

00:09:37,610 --> 00:09:34,920

are a little longer the rest to wait

199

00:09:39,170 --> 00:09:37,620

if this capsule history of our progress

200

00:09:41,690 --> 00:09:39,180

teaches us anything

201  
00:09:44,150 --> 00:09:41,700  
it is that man in his quest for

202  
00:09:46,490 --> 00:09:44,160  
knowledge and progress is determined and

203  
00:09:49,130 --> 00:09:46,500  
cannot be deterred

204  
00:09:52,009 --> 00:09:49,140  
those who came before us

205  
00:09:55,550 --> 00:09:52,019  
made certain that this country rode the

206  
00:09:58,370 --> 00:09:55,560  
first waves of the Industrial Revolution

207  
00:10:01,610 --> 00:09:58,380  
the first waves of modern invention

208  
00:10:04,490 --> 00:10:01,620  
in the first wave of nuclear power and

209  
00:10:07,490 --> 00:10:04,500  
this generation does not intend

210  
00:10:11,870 --> 00:10:07,500  
to founder in the backwash of the coming

211  
00:10:14,810 --> 00:10:11,880  
age of space but why some say the move

212  
00:10:16,910 --> 00:10:14,820  
why choose this as our goal

213  
00:10:19,370 --> 00:10:16,920

and they may well ask

214

00:10:21,650 --> 00:10:19,380

if I climb the highest mountain

215

00:10:23,269 --> 00:10:21,660

why 35 years ago

216

00:10:26,630 --> 00:10:23,279

fly the Atlantic

217

00:10:27,730 --> 00:10:26,640

why does Rice play Texas we choose to go

218

00:10:29,900 --> 00:10:27,740

to the Moon

219

00:10:30,800 --> 00:10:29,910

we choose to go to the moon

220

00:10:36,230 --> 00:10:30,810

[Applause]

221

00:10:41,210 --> 00:10:38,810

we choose to go to the moon in this

222

00:10:43,730 --> 00:10:41,220

decade and do the other things not

223

00:10:45,829 --> 00:10:43,740

because they are easy but because they

224

00:10:47,690 --> 00:10:45,839

are hard because their goal will serve

225

00:10:49,910 --> 00:10:47,700

to measure to the best of our energies

226

00:10:51,829 --> 00:10:49,920

and skills because that challenge is one

227

00:10:55,310 --> 00:10:51,839

that we are willing to accept

228

00:11:10,790 --> 00:10:55,320

one we are unwilling to postpone and one

229

00:11:14,870 --> 00:11:13,130

we do not intend to stay behind and in

230

00:11:16,670 --> 00:11:14,880

this decade we shall make up and move

231

00:11:18,470 --> 00:11:16,680

ahead the growth of our science and

232

00:11:20,030 --> 00:11:18,480

education will be enriched by new

233

00:11:22,009 --> 00:11:20,040

knowledge of our universe and

234

00:11:24,110 --> 00:11:22,019

environment by new techniques of

235

00:11:25,910 --> 00:11:24,120

learning and mapping and observation by

236

00:11:31,310 --> 00:11:25,920

new tools and computers for industry

237

00:11:31,320 --> 00:11:41,410

foreign

238

00:11:45,949 --> 00:11:43,730

post on the old Frontier of the West

239

00:11:48,530 --> 00:11:45,959

will now be the furthest outpost on the

240

00:11:50,810 --> 00:11:48,540

New Frontier of Science and Space this

241

00:11:53,269 --> 00:11:50,820

is instant measure an Act of Faith and

242

00:11:54,829 --> 00:11:53,279

vision for we do not know know what

243

00:11:58,190 --> 00:11:54,839

benefits await us

244

00:12:01,069 --> 00:11:58,200

my fellow Americans I give you the

245

00:12:04,310 --> 00:12:01,079

heroes of the future who will carry us

246

00:12:06,340 --> 00:12:04,320

back to the moon and Beyond the Artemis

247

00:12:11,690 --> 00:12:06,350

generation

248

00:12:11,700 --> 00:12:22,750

[Music]

249

00:12:29,990 --> 00:12:26,930

to do all of this and do it right and do

250

00:12:33,949 --> 00:12:30,000

it first before this decade is out we

251  
00:12:36,170 --> 00:12:33,959  
must be bold and therefore as we set

252  
00:12:38,750 --> 00:12:36,180  
sail we ask God's blessing on the most

253  
00:12:41,210 --> 00:12:38,760  
hazardous dangerous great Greatest

254  
00:12:44,210 --> 00:12:41,220  
Adventure on which man has ever embarked

255  
00:12:47,350 --> 00:12:46,820  
foreign

256  
00:12:48,310 --> 00:12:47,360  
[Applause]

257  
00:12:56,230 --> 00:12:48,320  
[Music]

258  
00:13:00,530 --> 00:12:58,850  
it really doesn't get old and I hope you

259  
00:13:05,509 --> 00:13:00,540  
have a chance to listen to those words

260  
00:13:09,769 --> 00:13:07,310  
um I'd like to start today's live

261  
00:13:12,110 --> 00:13:09,779  
programming by welcome to the stage

262  
00:13:22,569 --> 00:13:12,120  
Professor Reggie de rosh the eighth

263  
00:13:22,579 --> 00:13:26,930

thank you David

264

00:13:26,940 --> 00:13:32,629

I still get chills when I see that video

265

00:13:36,769 --> 00:13:35,090

before I begin I want to thank all of

266

00:13:38,690 --> 00:13:36,779

you for being here

267

00:13:42,230 --> 00:13:38,700

and we know it's hot and humid but we

268

00:13:44,990 --> 00:13:42,240

will all be very brief with our remarks

269

00:13:46,970 --> 00:13:45,000

in the audience we have astronauts

270

00:13:49,550 --> 00:13:46,980

elected officials

271

00:13:53,509 --> 00:13:49,560

rice water trustees

272

00:13:55,670 --> 00:13:53,519

rice faculty staff students and alumni

273

00:13:57,470 --> 00:13:55,680

and Leadership from NASA and the Johnson

274

00:13:59,569 --> 00:13:57,480

Space Center

275

00:14:01,190 --> 00:13:59,579

I want to extend a special welcome to

276  
00:14:02,329 --> 00:14:01,200  
the thousands of students here from the

277  
00:14:10,069 --> 00:14:02,339  
Houston Independent School District

278  
00:14:14,269 --> 00:14:11,870  
and again I want to acknowledge all of

279  
00:14:16,790 --> 00:14:14,279  
the rice alumni here today

280  
00:14:18,590 --> 00:14:16,800  
who were in rice Stadium 60 years ago

281  
00:14:20,690 --> 00:14:18,600  
it's amazing that so many of you could

282  
00:14:23,509 --> 00:14:20,700  
join us

283  
00:14:24,829 --> 00:14:23,519  
We Gather here in rice Stadium to

284  
00:14:27,470 --> 00:14:24,839  
celebrate a challenge

285  
00:14:29,449 --> 00:14:27,480  
and to renew a commitment

286  
00:14:31,910 --> 00:14:29,459  
let us remember that throughout almost

287  
00:14:34,670 --> 00:14:31,920  
all of human history people looked into

288  
00:14:36,590 --> 00:14:34,680

the night sky and beheld the moon as a

289

00:14:39,410 --> 00:14:36,600

distant Wonder

290

00:14:42,230 --> 00:14:39,420

something eternally Out Of Reach

291

00:14:44,509 --> 00:14:42,240

flying to the moon was a metaphor for

292

00:14:46,550 --> 00:14:44,519

the impossible

293

00:14:48,350 --> 00:14:46,560

but here in the stadium 60 years ago

294

00:14:50,629 --> 00:14:48,360

President John F Kennedy boldly

295

00:14:53,030 --> 00:14:50,639

proclaimed that his generation would

296

00:14:54,530 --> 00:14:53,040

choose to make what seemed impossible a

297

00:14:56,990 --> 00:14:54,540

reality

298

00:14:59,329 --> 00:14:57,000

one of Rice's alumni Bill Broyles who

299

00:15:00,829 --> 00:14:59,339

sat in the stadium on that day would

300

00:15:03,470 --> 00:15:00,839

later put us succinctly when he wrote

301

00:15:05,389 --> 00:15:03,480

the screenplay for the movie Apollo 13.

302

00:15:08,090 --> 00:15:05,399

it's not a miracle

303

00:15:11,389 --> 00:15:08,100

we just decided to go

304

00:15:13,790 --> 00:15:11,399

with seven words we choose to go to the

305

00:15:16,009 --> 00:15:13,800

Moon President Kennedy changed the

306

00:15:18,530 --> 00:15:16,019

course of human history and cemented

307

00:15:20,689 --> 00:15:18,540

rice University's place in the lore of

308

00:15:23,269 --> 00:15:20,699

America's Space Program

309

00:15:25,250 --> 00:15:23,279

Kennedy had established the goal of

310

00:15:27,350 --> 00:15:25,260

Landing astronauts on the moon more than

311

00:15:28,610 --> 00:15:27,360

a year earlier in a joint session of

312

00:15:30,710 --> 00:15:28,620

Congress

313

00:15:33,350 --> 00:15:30,720

but it was the challenge he issued here

314

00:15:34,790 --> 00:15:33,360

at Rice that put the Space Race into

315

00:15:37,009 --> 00:15:34,800

overdrive

316

00:15:39,050 --> 00:15:37,019

within months of Kennedy's speech rice

317

00:15:41,750 --> 00:15:39,060

provided Nassau the land for the Johnson

318

00:15:43,910 --> 00:15:41,760

Space Center and became one of America's

319

00:15:46,670 --> 00:15:43,920

first universities to establish a

320

00:15:49,310 --> 00:15:46,680

department of Space Science

321

00:15:50,090 --> 00:15:49,320

within 18 months satellites built at

322

00:15:52,670 --> 00:15:50,100

Rice

323

00:15:54,769 --> 00:15:52,680

were being launched into orbit atop

324

00:15:57,829 --> 00:15:54,779

American Rockets

325

00:15:59,750 --> 00:15:57,839

by the time Apollo 11 landed several

326

00:16:01,430 --> 00:15:59,760

dozen graduate students and countless

327

00:16:03,590 --> 00:16:01,440

undergraduates had helped build

328

00:16:06,050 --> 00:16:03,600

instruments that made historic

329

00:16:08,449 --> 00:16:06,060

breakthroughs and remain on the surface

330

00:16:11,269 --> 00:16:08,459

of the Moon today

331

00:16:13,310 --> 00:16:11,279

over the following six decades the ties

332

00:16:16,370 --> 00:16:13,320

that form between NASA and rice in the

333

00:16:18,050 --> 00:16:16,380

early 1960s have continued to grow and

334

00:16:20,810 --> 00:16:18,060

support our nation's exploration goals

335

00:16:22,610 --> 00:16:20,820

and advancement of human and robotic

336

00:16:24,530 --> 00:16:22,620

space flight

337

00:16:26,629 --> 00:16:24,540

rice researchers played a key role in

338

00:16:28,670 --> 00:16:26,639

building the Hubble Space Telescope

339

00:16:30,889 --> 00:16:28,680

and rice faculty were co-investigators

340

00:16:33,710 --> 00:16:30,899

on numerous robotic explorations of the

341

00:16:35,090 --> 00:16:33,720

Suns and planets and they have a

342

00:16:37,550 --> 00:16:35,100

supporting role in NASA's current

343

00:16:39,650 --> 00:16:37,560

Mission To The Moon Artemis

344

00:16:41,210 --> 00:16:39,660

racist proud Heritage of collaborating

345

00:16:43,310 --> 00:16:41,220

with NASA since the space agency's

346

00:16:45,050 --> 00:16:43,320

founding is evident all over our

347

00:16:47,689 --> 00:16:45,060

beautiful campus

348

00:16:50,590 --> 00:16:47,699

outside this very Stadium there is a

349

00:16:53,749 --> 00:16:50,600

moon tree donated to Rice by Rosemary

350

00:16:55,249 --> 00:16:53,759

Russa who's in the stadium with us today

351  
00:16:58,069 --> 00:16:55,259  
she's the daughter of Apollo 14

352  
00:17:00,530 --> 00:16:58,079  
astronaut Stuart Russo

353  
00:17:02,329 --> 00:17:00,540  
rice is privileged to be a partner in

354  
00:17:04,490 --> 00:17:02,339  
Pursuits related to space exploration

355  
00:17:06,409 --> 00:17:04,500  
and to be part of an historic

356  
00:17:08,210 --> 00:17:06,419  
collaboration with NASA

357  
00:17:10,069 --> 00:17:08,220  
that supports some of the world's most

358  
00:17:11,809 --> 00:17:10,079  
important research and educational

359  
00:17:14,510 --> 00:17:11,819  
Outreach

360  
00:17:17,090 --> 00:17:14,520  
simply put we are Partners in the

361  
00:17:19,309 --> 00:17:17,100  
pursuit of knowledge

362  
00:17:22,970 --> 00:17:19,319  
such knowledge in the words of John F

363  
00:17:26,090 --> 00:17:22,980

Kennedy must be won and used for the

364

00:17:28,069 --> 00:17:26,100

progress of all people

365

00:17:31,070 --> 00:17:28,079

now a new generation chooses to go to

366

00:17:33,730 --> 00:17:31,080

the moon and once again rice probably

367

00:17:36,529 --> 00:17:33,740

takes a wing with NASA and a nation

368

00:17:38,810 --> 00:17:36,539

destined for the Stars

369

00:17:41,090 --> 00:17:38,820

and now I invite Johnson Space Center

370

00:17:43,990 --> 00:17:41,100

Director Vanessa watch the podium thank

371

00:17:44,000 --> 00:17:53,690

[Applause]

372

00:18:00,710 --> 00:17:54,650

thank you

373

00:18:03,590 --> 00:18:00,720

good morning distinguished guest

374

00:18:05,510 --> 00:18:03,600

elected officials and the Greater

375

00:18:08,210 --> 00:18:05,520

Houston Community

376

00:18:10,130 --> 00:18:08,220

I'd like to especially welcome the

377

00:18:18,350 --> 00:18:10,140

hundreds of students from the Houston

378

00:18:23,930 --> 00:18:21,230

I'd also like to recognize the employees

379

00:18:26,630 --> 00:18:23,940

from NASA's Johnson Space Center and

380

00:18:30,110 --> 00:18:26,640

from all across the agency

381

00:18:31,190 --> 00:18:30,120

and a special welcome to the NASA alumni

382

00:18:34,490 --> 00:18:31,200

League

383

00:18:40,610 --> 00:18:37,909

NASA Workforce many were a part of the

384

00:18:41,750 --> 00:18:40,620

history that we're celebrating today

385

00:18:43,730 --> 00:18:41,760

[Music]

386

00:18:46,970 --> 00:18:43,740

I'm Vanessa weitz

387

00:18:49,669 --> 00:18:46,980

director of NASA's Johnson Space Center

388

00:18:50,630 --> 00:18:49,679

and I'm honored to be here with all of

389

00:18:52,970 --> 00:18:50,640

you

390

00:18:55,010 --> 00:18:52,980

to commemorate President Kennedy's

391

00:18:57,950 --> 00:18:55,020

historic speech

392

00:19:00,169 --> 00:18:57,960

and the important role Houston has

393

00:19:01,850 --> 00:19:00,179

played in shaping our nation Space

394

00:19:03,950 --> 00:19:01,860

Program

395

00:19:05,390 --> 00:19:03,960

this year is very special at Johnson

396

00:19:09,650 --> 00:19:05,400

Space Center

397

00:19:12,230 --> 00:19:09,660

we're celebrating 60 years in Houston

398

00:19:14,270 --> 00:19:12,240

from Landing Man on the Moon to

399

00:19:17,150 --> 00:19:14,280

sustaining a presence and low earth

400

00:19:19,130 --> 00:19:17,160

orbit via the space shuttle

401  
00:19:20,330 --> 00:19:19,140  
and assembling the International Space

402  
00:19:24,049 --> 00:19:20,340  
Station

403  
00:19:26,029 --> 00:19:24,059  
Johnson has been the iconic beginning of

404  
00:19:27,890 --> 00:19:26,039  
some of humankind's greatest

405  
00:19:31,310 --> 00:19:27,900  
achievements

406  
00:19:33,610 --> 00:19:31,320  
when you dream big you can achieve what

407  
00:19:36,230 --> 00:19:33,620  
seemed impossible

408  
00:19:39,049 --> 00:19:36,240  
NASA proved this when it met President

409  
00:19:43,310 --> 00:19:39,059  
Kennedy's challenge to put Americans on

410  
00:19:45,770 --> 00:19:43,320  
the moon within a decade in the 1960s

411  
00:19:48,350 --> 00:19:45,780  
the Apollo program captured the world's

412  
00:19:51,590 --> 00:19:48,360  
attention and demonstrated the power of

413  
00:19:55,610 --> 00:19:51,600

America's vision and Technology to

414

00:19:59,330 --> 00:19:55,620

ignite generations of great achievements

415

00:20:02,570 --> 00:19:59,340

exploration and scientific discovery

416

00:20:06,130 --> 00:20:02,580

at Johnson I'm privileged to lead more

417

00:20:10,310 --> 00:20:06,140

than 11 000 employees who work each day

418

00:20:12,350 --> 00:20:10,320

to DARE unite and explore

419

00:20:14,330 --> 00:20:12,360

and lead the world in human space

420

00:20:16,970 --> 00:20:14,340

exploration

421

00:20:20,390 --> 00:20:16,980

as the home to America's astronaut Corps

422

00:20:23,510 --> 00:20:20,400

International Space Station Orion and

423

00:20:26,930 --> 00:20:23,520

Gateway programs and a host of future

424

00:20:30,409 --> 00:20:26,940

space developments our team plays a

425

00:20:33,169 --> 00:20:30,419

pivotal role in enhancing scientific and

426  
00:20:35,270 --> 00:20:33,179  
technological knowledge to benefit all

427  
00:20:37,250 --> 00:20:35,280  
of humankind

428  
00:20:39,710 --> 00:20:37,260  
NASA's Journeys have proved

429  
00:20:42,590 --> 00:20:39,720  
technological breakthroughs pushed the

430  
00:20:45,710 --> 00:20:42,600  
frontiers of scientific research and

431  
00:20:49,130 --> 00:20:45,720  
expand our understanding of the universe

432  
00:20:51,789 --> 00:20:49,140  
these accomplishments and those to come

433  
00:20:55,270 --> 00:20:51,799  
share a common Genesis

434  
00:20:57,770 --> 00:20:55,280  
education and science technology

435  
00:21:00,710 --> 00:20:57,780  
engineering and math

436  
00:21:04,270 --> 00:21:00,720  
and for me that involves increasing

437  
00:21:07,029 --> 00:21:04,280  
academic Partnerships and NASA projects

438  
00:21:10,150 --> 00:21:07,039

enhancing high school education

439

00:21:13,250 --> 00:21:10,160

supporting underrepresented communities

440

00:21:15,770 --> 00:21:13,260

strengthening online education and

441

00:21:17,570 --> 00:21:15,780

boosting NASA's contribution to informal

442

00:21:20,890 --> 00:21:17,580

education

443

00:21:25,250 --> 00:21:20,900

the intended outcome is a generation

444

00:21:27,890 --> 00:21:25,260

prepared to code calculate design and

445

00:21:30,350 --> 00:21:27,900

discover its way to a new era of

446

00:21:33,110 --> 00:21:30,360

American innovation

447

00:21:35,810 --> 00:21:33,120

we seek to create opportunities for a

448

00:21:39,770 --> 00:21:35,820

diverse set of students to contribute to

449

00:21:42,289 --> 00:21:39,780

NASA's work and exploration and discover

450

00:21:44,330 --> 00:21:42,299

recently eye science faced act

451  
00:21:47,330 --> 00:21:44,340  
agreements with all of the universities

452  
00:21:50,450 --> 00:21:47,340  
in our local area including Rice

453  
00:21:51,890 --> 00:21:50,460  
University to enhance our academic

454  
00:21:54,110 --> 00:21:51,900  
Partnerships

455  
00:21:57,169 --> 00:21:54,120  
with our Artemis Moon to Mars

456  
00:21:59,510 --> 00:21:57,179  
exploration program NASA will put the

457  
00:22:03,470 --> 00:21:59,520  
first woman and the first person of

458  
00:22:11,390 --> 00:22:03,480  
color on the lunar surface and build a

459  
00:22:17,210 --> 00:22:13,909  
and in lunar orbit

460  
00:22:19,669 --> 00:22:17,220  
then we will use what we learn to take

461  
00:22:26,590 --> 00:22:19,679  
the next giant leap

462  
00:22:33,049 --> 00:22:29,450  
our goal at Johnson Space Center for the

463  
00:22:35,510 --> 00:22:33,059

next 60 years is to make Texas a Global

464

00:22:38,630 --> 00:22:35,520

Hub of human exploration

465

00:22:41,149 --> 00:22:38,640

such that any country or entity that

466

00:22:44,510 --> 00:22:41,159

desires to work in low earth orbit are

467

00:22:48,529 --> 00:22:44,520

around the Moon on the surface further

468

00:22:59,750 --> 00:22:48,539

in the cosmos can begin their next giant

469

00:23:05,510 --> 00:23:01,730

as you listen to the guest speakers

470

00:23:08,090 --> 00:23:05,520

today I challenge everyone to get

471

00:23:10,190 --> 00:23:08,100

involved and help us grow the next

472

00:23:13,310 --> 00:23:10,200

generation of explorers

473

00:23:15,529 --> 00:23:13,320

our sons and daughters nieces and

474

00:23:18,110 --> 00:23:15,539

nephews and Neighbors

475

00:23:21,710 --> 00:23:18,120

together we will inspire the Next

476

00:23:24,110 --> 00:23:21,720

Generation the Artemis generation

477

00:23:28,130 --> 00:23:24,120

for the students in the audience I hope

478

00:23:30,890 --> 00:23:28,140

you'll join us as an intern one day and

479

00:23:33,710 --> 00:23:30,900

to the public if you haven't been to the

480

00:23:35,990 --> 00:23:33,720

Clear Lake Area lately I invite you to

481

00:23:37,549 --> 00:23:36,000

join us to learn more about human space

482

00:23:41,270 --> 00:23:37,559

exploration

483

00:23:43,909 --> 00:23:41,280

giant leaps start here

484

00:23:45,409 --> 00:23:43,919

we have a very special guest joining us

485

00:23:48,049 --> 00:23:45,419

this morning

486

00:23:51,289 --> 00:23:48,059

administrator Bill Nelson has served in

487

00:23:55,010 --> 00:23:51,299

public office for over four decades

488

00:23:58,490 --> 00:23:55,020

first in the state legislator and U.S

489

00:24:00,649 --> 00:23:58,500

Congress then as a state treasurer he

490

00:24:02,649 --> 00:24:00,659

was elected three times to the United

491

00:24:06,409 --> 00:24:02,659

States Senate

492

00:24:11,210 --> 00:24:06,419

representing Florida for 18 years

493

00:24:14,210 --> 00:24:11,220

in 1986 administrator Nelson flew on the

494

00:24:16,789 --> 00:24:14,220

24th Flight of the Space Shuttle

495

00:24:20,330 --> 00:24:16,799

the mission on Columbia orbited the

496

00:24:23,029 --> 00:24:20,340

Earth 98 times over six days

497

00:24:26,149 --> 00:24:23,039

administrator Nelson conducted 12

498

00:24:28,730 --> 00:24:26,159

medical experiments including the first

499

00:24:30,890 --> 00:24:28,740

American stress test in space

500

00:24:34,430 --> 00:24:30,900

and a cancer research experiment

501  
00:24:38,210 --> 00:24:34,440  
sponsored by University researchers

502  
00:24:41,990 --> 00:24:38,220  
please join me in given a big Texas

503  
00:24:44,649 --> 00:24:42,000  
welcome to NASA administrator Bill

504  
00:24:52,310 --> 00:24:44,659  
Nelson

505  
00:24:58,789 --> 00:24:56,510  
if it's any consolation to you students

506  
00:25:01,970 --> 00:24:58,799  
it was as hot

507  
00:25:07,310 --> 00:25:01,980  
60 years ago in this stadium with the

508  
00:25:11,750 --> 00:25:09,830  
director Weiss and members of the NASA

509  
00:25:17,090 --> 00:25:11,760  
family

510  
00:25:21,529 --> 00:25:17,100  
president deroche and the rice community

511  
00:25:26,870 --> 00:25:21,539  
chairman woman Eddie Bernice Johnson

512  
00:25:31,370 --> 00:25:26,880  
my friend representative Brian Babin

513  
00:25:34,310 --> 00:25:31,380

my very good friend Sheila Jackson Lee

514

00:25:38,269 --> 00:25:34,320

my old friend Al Green

515

00:25:43,909 --> 00:25:38,279

my new friends Sylvia Garcia and Lizzy

516

00:25:49,909 --> 00:25:47,870

and of course the Educators and students

517

00:25:53,269 --> 00:25:49,919

from the Houston Independent School

518

00:25:55,070 --> 00:25:53,279

District so thank all of you for being

519

00:25:57,529 --> 00:25:55,080

here

520

00:26:00,950 --> 00:25:57,539

I'm going to be merciful to you because

521

00:26:09,070 --> 00:26:04,310

throughout America's story there are

522

00:26:13,669 --> 00:26:09,080

defining days days when Minds change

523

00:26:16,490 --> 00:26:13,679

Hearts fill and Imagination soar

524

00:26:19,430 --> 00:26:16,500

days when Visions transform the

525

00:26:21,830 --> 00:26:19,440

trajectory of the American story which

526  
00:26:24,409 --> 00:26:21,840  
is our story

527  
00:26:25,610 --> 00:26:24,419  
and one of those days happened 60 years

528  
00:26:29,210 --> 00:26:25,620  
ago

529  
00:26:32,390 --> 00:26:29,220  
it happened in this same city at this

530  
00:26:36,230 --> 00:26:32,400  
same stadium in the same sweltering heat

531  
00:26:39,529 --> 00:26:36,240  
of a sunny September Day

532  
00:26:42,610 --> 00:26:39,539  
and on that day 60 years ago seven

533  
00:26:46,430 --> 00:26:42,620  
famous words that you've heard repeated

534  
00:26:51,110 --> 00:26:46,440  
carried across this stadium and across

535  
00:26:54,110 --> 00:26:51,120  
the country we choose to go to the Moon

536  
00:26:58,010 --> 00:26:54,120  
President Kennedy knew that vision would

537  
00:26:59,269 --> 00:26:58,020  
be hard not easy he made that clear he

538  
00:27:04,610 --> 00:26:59,279

said

539

00:27:05,990 --> 00:27:04,620

we choose to go to the moon in this

540

00:27:10,549 --> 00:27:06,000

decade

541

00:27:13,789 --> 00:27:10,559

and do other things not because they are

542

00:27:17,090 --> 00:27:13,799

easy but because they are hard

543

00:27:21,350 --> 00:27:17,100

he understood we still had to make major

544

00:27:24,950 --> 00:27:21,360

scientific and societal advances but he

545

00:27:28,909 --> 00:27:24,960

also sense something else

546

00:27:32,149 --> 00:27:28,919

our countries can do Spirit

547

00:27:34,730 --> 00:27:32,159

it's a spirit that drives us to make the

548

00:27:38,450 --> 00:27:34,740

impossible possible

549

00:27:41,390 --> 00:27:38,460

and 60 years ago we came together to do

550

00:27:44,810 --> 00:27:41,400

just that

551  
00:27:46,010 --> 00:27:44,820  
the Space Program propelled to the

552  
00:27:48,890 --> 00:27:46,020  
Forefront

553  
00:27:52,070 --> 00:27:48,900  
of culture and Consciousness it

554  
00:27:56,930 --> 00:27:52,080  
galvanized a historic effort

555  
00:28:00,710 --> 00:27:56,940  
that we are now the stewards of

556  
00:28:02,810 --> 00:28:00,720  
we must never stop daring to take the

557  
00:28:06,289 --> 00:28:02,820  
next moonshot

558  
00:28:07,669 --> 00:28:06,299  
and moon shots don't just happen in the

559  
00:28:10,490 --> 00:28:07,679  
cosmos

560  
00:28:13,789 --> 00:28:10,500  
but also here on Earth

561  
00:28:17,330 --> 00:28:13,799  
so it is today at the John F Kennedy

562  
00:28:19,789 --> 00:28:17,340  
Library that President Joe Biden is

563  
00:28:21,049 --> 00:28:19,799

taking the cancer moonshot to new

564

00:28:26,810 --> 00:28:21,059

heights

565

00:28:30,890 --> 00:28:26,820

we can end cancer as we know it

566

00:28:34,130 --> 00:28:30,900

and today in Space City

567

00:28:36,230 --> 00:28:34,140

a new generation the Artemis generation

568

00:28:40,430 --> 00:28:36,240

stands ready

569

00:28:43,090 --> 00:28:40,440

ready to return Humanity to the moon and

570

00:28:45,529 --> 00:28:43,100

then to take us further than ever before

571

00:28:47,810 --> 00:28:45,539

to Mars

572

00:28:49,970 --> 00:28:47,820

not going to be easy

573

00:28:52,850 --> 00:28:49,980

it's going to be hard

574

00:28:56,690 --> 00:28:52,860

some things never change

575

00:28:58,010 --> 00:28:56,700

but even after 60 years they don't

576  
00:29:01,549 --> 00:28:58,020  
change

577  
00:29:04,730 --> 00:29:01,559  
some Nations on our planet do not engage

578  
00:29:07,610 --> 00:29:04,740  
in our mission of good will

579  
00:29:10,970 --> 00:29:07,620  
but we go in peace

580  
00:29:13,789 --> 00:29:10,980  
as President Kennedy said

581  
00:29:17,390 --> 00:29:13,799  
and today we have invited other peoples

582  
00:29:21,169 --> 00:29:17,400  
of the earth to join us in this great

583  
00:29:24,889 --> 00:29:21,179  
International Adventure

584  
00:29:25,909 --> 00:29:24,899  
doing what is hard and achieving what is

585  
00:29:30,289 --> 00:29:25,919  
great

586  
00:29:33,049 --> 00:29:30,299  
that is what stirs humankind

587  
00:29:36,230 --> 00:29:33,059  
that's what unites us

588  
00:29:40,610 --> 00:29:36,240

with inspiration and innovation

589

00:29:43,789 --> 00:29:40,620

no Herculean effort is too large no

590

00:29:46,610 --> 00:29:43,799

moonshot is beyond our reach

591

00:29:49,730 --> 00:29:46,620

you've seen already the James Webb Space

592

00:29:52,610 --> 00:29:49,740

Telescope it's giving Humanity a new

593

00:29:55,730 --> 00:29:52,620

view of our universe and we have never

594

00:29:58,549 --> 00:29:55,740

ever seen that before

595

00:30:00,950 --> 00:29:58,559

and from the new forming of stars to

596

00:30:05,090 --> 00:30:00,960

devouring black holes

597

00:30:06,049 --> 00:30:05,100

this telescope is revealing all this and

598

00:30:08,049 --> 00:30:06,059

more

599

00:30:10,370 --> 00:30:08,059

and now the artist

600

00:30:12,710 --> 00:30:10,380

generation is about

601  
00:30:16,630 --> 00:30:12,720  
to leave quite a mark

602  
00:30:20,389 --> 00:30:16,640  
this generation all of you

603  
00:30:23,649 --> 00:30:20,399  
students from All Over America students

604  
00:30:26,750 --> 00:30:23,659  
throughout the world this generation

605  
00:30:30,289 --> 00:30:26,760  
will choose to go to Mars

606  
00:30:34,850 --> 00:30:30,299  
and that Journey Begins right now

607  
00:30:37,610 --> 00:30:34,860  
with Humanity's return to the Moon

608  
00:30:39,769 --> 00:30:37,620  
obviously we at all hoped that Artemis

609  
00:30:40,909 --> 00:30:39,779  
one would already be on the way to the

610  
00:30:43,490 --> 00:30:40,919  
Moon

611  
00:30:46,610 --> 00:30:43,500  
but the NASA team has been working

612  
00:30:50,389 --> 00:30:46,620  
around the clock they're resolved and

613  
00:30:54,169 --> 00:30:50,399

perseverance are unrivaled and I have

614

00:30:58,190 --> 00:30:54,179

full faith in this team and the mission

615

00:31:01,850 --> 00:30:58,200

we will launch when we are ready but

616

00:31:04,870 --> 00:31:01,860

mark my words we are going

617

00:31:09,590 --> 00:31:04,880

and when the final goal is given

618

00:31:13,190 --> 00:31:09,600

Artemis one will Roar to life and soar

619

00:31:16,070 --> 00:31:13,200

to the moon and every observation we

620

00:31:18,970 --> 00:31:16,080

make in every lesson we learn on this

621

00:31:23,090 --> 00:31:18,980

furnace Artemis Journey

622

00:31:25,850 --> 00:31:23,100

prepares us and the way for humans to

623

00:31:30,490 --> 00:31:25,860

mention even further

624

00:31:34,850 --> 00:31:30,500

ladies and gentlemen Mars is calling why

625

00:31:38,690 --> 00:31:34,860

because it's in our DNA to explore

626  
00:31:39,649 --> 00:31:38,700  
billions of years ago the dry toxic red

627  
00:31:42,049 --> 00:31:39,659  
planet

628  
00:31:45,289 --> 00:31:42,059  
we know as Mars might

629  
00:31:48,110 --> 00:31:45,299  
have once been like the Earth

630  
00:31:50,330 --> 00:31:48,120  
where did the water go why did the

631  
00:31:52,970 --> 00:31:50,340  
atmosphere change

632  
00:31:56,029 --> 00:31:52,980  
humans can discover much more than

633  
00:32:00,049 --> 00:31:56,039  
robotic explorers we are more efficient

634  
00:32:02,630 --> 00:32:00,059  
not to mention our intuition

635  
00:32:05,389 --> 00:32:02,640  
and these missions of Tomorrow Will Be

636  
00:32:09,409 --> 00:32:05,399  
sparked by the accomplishments of the

637  
00:32:15,470 --> 00:32:09,419  
Artemis generation today it's a new era

638  
00:32:16,850 --> 00:32:15,480

of pioneers star Sailors thinkers and

639

00:32:20,090 --> 00:32:16,860

adventurers

640

00:32:23,870 --> 00:32:20,100

they are ready to learn what it will

641

00:32:26,210 --> 00:32:23,880

take to establish a new community on a

642

00:32:29,210 --> 00:32:26,220

cosmic Shore

643

00:32:32,830 --> 00:32:29,220

60 years ago President Kennedy put wind

644

00:32:35,870 --> 00:32:32,840

in our sails on the new sea of space

645

00:32:37,070 --> 00:32:35,880

exploration and that mission is never

646

00:32:40,190 --> 00:32:37,080

ending

647

00:32:43,070 --> 00:32:40,200

it's a mission about science and the

648

00:32:45,710 --> 00:32:43,080

advancement of the human Spirit to

649

00:32:50,029 --> 00:32:45,720

expand what is possible

650

00:32:51,350 --> 00:32:50,039

let us continue the quest to unfold this

651  
00:32:55,669 --> 00:32:51,360  
universe

652  
00:32:56,990 --> 00:32:55,679  
and let us continue to find unity in our

653  
00:32:58,850 --> 00:32:57,000  
discovery

654  
00:33:02,389 --> 00:32:58,860  
so together

655  
00:33:05,389 --> 00:33:02,399  
as Don Quixote reminds us

656  
00:33:09,470 --> 00:33:05,399  
let us continue to dream The Impossible

657  
00:33:13,789 --> 00:33:09,480  
Dream that now becomes real

658  
00:33:19,190 --> 00:33:13,799  
and then let us Traverse the untouched

659  
00:33:22,070 --> 00:33:19,200  
terrain of the once unreachable Stars

660  
00:33:26,210 --> 00:33:22,080  
and as the president said

661  
00:33:29,930 --> 00:33:26,220  
we ask God's blessing on this one of the

662  
00:33:31,130 --> 00:33:29,940  
greatest adventures in the history of

663  
00:33:34,850 --> 00:33:31,140

humankind

664

00:33:36,529 --> 00:33:34,860

God bless you God bless Artemis and God

665

00:33:37,470 --> 00:33:36,539

bless our country

666

00:33:48,710 --> 00:33:37,480

thank you

667

00:33:51,049 --> 00:33:48,720

[Applause]

668

00:33:53,269 --> 00:33:51,059

thank you administrator Nelson

669

00:33:54,889 --> 00:33:53,279

so they were lucky here in Texas to have

670

00:33:57,169 --> 00:33:54,899

Representatives who are supportive of

671

00:34:00,830 --> 00:33:57,179

The Optimist program the future of space

672

00:34:03,710 --> 00:34:00,840

exploration and NASA's many missions

673

00:34:07,549 --> 00:34:03,720

I'd now like to introduce videos from

674

00:34:09,770 --> 00:34:07,559

Senator John cornyn Senator Ted Cruz and

675

00:34:12,409 --> 00:34:09,780

Congressman Randy Weber who wished you

676

00:34:14,030 --> 00:34:12,419

were able to be here in person today we

677

00:34:16,990 --> 00:34:14,040

will then hear from congresswoman Eddie

678

00:34:19,250 --> 00:34:17,000

Bernice Johnson Congressman Brian Babin

679

00:34:21,430 --> 00:34:19,260

Congressman Al Green

680

00:34:23,990 --> 00:34:21,440

congresswoman Sylvia Garcia

681

00:34:26,930 --> 00:34:24,000

congresswoman Lizzie Fletcher and the

682

00:34:30,409 --> 00:34:26,940

City of Houston's mayor Sylvester Turner

683

00:34:35,450 --> 00:34:33,770

hi I'm Texas Senator John cornyn it's an

684

00:34:37,970 --> 00:34:35,460

honor to join you all today as we

685

00:34:39,829 --> 00:34:37,980

celebrate the 60th anniversary of

686

00:34:42,230 --> 00:34:39,839

President John F Kennedy's speech that

687

00:34:44,389 --> 00:34:42,240

rallied Americans to the Moon

688

00:34:47,030 --> 00:34:44,399

when he spoke on this incredible campus

689

00:34:49,129 --> 00:34:47,040

President Kennedy described our state as

690

00:34:51,050 --> 00:34:49,139

a state noted for strength

691

00:34:53,810 --> 00:34:51,060

I'm proud to say the same Rings true

692

00:34:55,730 --> 00:34:53,820

today as Texas remains home to the

693

00:34:58,910 --> 00:34:55,740

nation's strongest and most Brilliant

694

00:35:01,730 --> 00:34:58,920

Minds in human space exploration

695

00:35:03,290 --> 00:35:01,740

60 years later and we've only scratched

696

00:35:04,609 --> 00:35:03,300

the surface of what remains to be

697

00:35:06,829 --> 00:35:04,619

discovered

698

00:35:08,990 --> 00:35:06,839

parents used to tell their kids to reach

699

00:35:11,810 --> 00:35:09,000

for the moon but that's not the only

700

00:35:13,970 --> 00:35:11,820

objective anymore now we can also tell

701  
00:35:16,730 --> 00:35:13,980  
them to reach for Mars because that's

702  
00:35:18,950 --> 00:35:16,740  
the next Port of Call on our Horizon

703  
00:35:20,690 --> 00:35:18,960  
as we look ahead at the next 60 years I

704  
00:35:23,150 --> 00:35:20,700  
have no doubt that many of you will fill

705  
00:35:25,069 --> 00:35:23,160  
the pages of history with triumphant

706  
00:35:27,290 --> 00:35:25,079  
achievements including those being

707  
00:35:28,250 --> 00:35:27,300  
dreamed by the young minds in attendance

708  
00:35:30,589 --> 00:35:28,260  
today

709  
00:35:32,329 --> 00:35:30,599  
may God bless you may he bless the men

710  
00:35:34,910 --> 00:35:32,339  
and women of our nation space program

711  
00:35:38,750 --> 00:35:34,920  
and may he continue to bless the United

712  
00:35:44,690 --> 00:35:41,210  
good morning and welcome to Rice Stadium

713  
00:35:46,970 --> 00:35:44,700

Where We Gather today to remember the

714

00:35:51,170 --> 00:35:46,980

historic events that took place right

715

00:35:54,950 --> 00:35:51,180

here on this very day six decades ago

716

00:35:58,190 --> 00:35:54,960

on September 12 1962 President John F

717

00:36:01,609 --> 00:35:58,200

Kennedy famously gave a speech about why

718

00:36:04,550 --> 00:36:01,619

we as a nation choose to undertake the

719

00:36:07,069 --> 00:36:04,560

Bold Endeavor of traveling to the Moon

720

00:36:09,650 --> 00:36:07,079

today I'm here to Echo the sentiments of

721

00:36:13,370 --> 00:36:09,660

President Kennedy and a nation yearning

722

00:36:16,430 --> 00:36:13,380

to explore the final frontier as NASA

723

00:36:19,010 --> 00:36:16,440

embarks on a journey to reignite the

724

00:36:20,990 --> 00:36:19,020

Space Age planning missions to the moon

725

00:36:23,569 --> 00:36:21,000

and Mars

726

00:36:27,230 --> 00:36:23,579

in the words of President Kennedy

727

00:36:30,530 --> 00:36:27,240

we choose to go to the moon in this

728

00:36:32,089 --> 00:36:30,540

decade and to do the other things not

729

00:36:34,550 --> 00:36:32,099

because they are easy

730

00:36:37,609 --> 00:36:34,560

but because they are hard

731

00:36:40,910 --> 00:36:37,619

because that challenge is one that we

732

00:36:43,550 --> 00:36:40,920

are willing to accept one that we are

733

00:36:48,589 --> 00:36:43,560

unwilling to postpone

734

00:36:51,589 --> 00:36:48,599

and one which we intend to win

735

00:36:54,890 --> 00:36:51,599

just as we chose then to go to the moon

736

00:36:59,690 --> 00:36:54,900

today we choose to go back to the Moon

737

00:37:02,210 --> 00:36:59,700

and after that we choose to go to Mars

738

00:37:04,550 --> 00:37:02,220

the prospect of achieving these goals

739

00:37:07,790 --> 00:37:04,560

wouldn't be a reality without the

740

00:37:08,829 --> 00:37:07,800

tremendous work of all of you here in

741

00:37:11,569 --> 00:37:08,839

Houston

742

00:37:15,109 --> 00:37:11,579

and Texas has been the Hub of human

743

00:37:17,450 --> 00:37:15,119

space flight for the past 60 years and

744

00:37:19,310 --> 00:37:17,460

will continue to be for at least 60 to

745

00:37:21,410 --> 00:37:19,320

come with the help of the next

746

00:37:24,829 --> 00:37:21,420

generation of innovators

747

00:37:26,810 --> 00:37:24,839

like the rice owls and the HISD students

748

00:37:29,210 --> 00:37:26,820

in attendance today

749

00:37:31,790 --> 00:37:29,220

the contributions of hard-working Texans

750

00:37:34,849 --> 00:37:31,800

in the space industry and talented young

751  
00:37:37,250 --> 00:37:34,859  
young houstonians like yourselves are

752  
00:37:40,490 --> 00:37:37,260  
just a few of the many reasons I am so

753  
00:37:42,410 --> 00:37:40,500  
proud to serve the Lone Star State

754  
00:37:43,670 --> 00:37:42,420  
may God continue to bless the United

755  
00:37:47,390 --> 00:37:43,680  
States

756  
00:37:50,810 --> 00:37:47,400  
and may He bless all of you on the next

757  
00:37:53,329 --> 00:37:50,820  
Greatest Adventure on which man has ever

758  
00:37:55,849 --> 00:37:53,339  
embarked

759  
00:37:57,710 --> 00:37:55,859  
friends as a member of the House science

760  
00:37:59,450 --> 00:37:57,720  
space and Technology committee and a

761  
00:38:01,550 --> 00:37:59,460  
representative of many great NASA

762  
00:38:03,349 --> 00:38:01,560  
employees and contractors it's an honor

763  
00:38:06,650 --> 00:38:03,359

to join y'all virtually

764

00:38:09,710 --> 00:38:06,660

you know I still remember President JFK

765

00:38:12,829 --> 00:38:09,720

delivering his famous speech 60 years

766

00:38:15,349 --> 00:38:12,839

ago I know I'm dating myself here

767

00:38:17,710 --> 00:38:15,359

but this speech was powerful about the

768

00:38:21,770 --> 00:38:17,720

challenge to land Americans on the moon

769

00:38:25,069 --> 00:38:21,780

these words still remain true today

770

00:38:28,430 --> 00:38:25,079

we choose to go to the Moon not because

771

00:38:29,569 --> 00:38:28,440

it's easy he declared but because it's

772

00:38:33,050 --> 00:38:29,579

hard

773

00:38:37,370 --> 00:38:33,060

and 60 years later we have chosen to go

774

00:38:40,130 --> 00:38:37,380

to the moon and now on to Mars what a

775

00:38:41,510 --> 00:38:40,140

moment in our nation's history we will

776

00:38:43,250 --> 00:38:41,520

return to the Moon

777

00:38:47,150 --> 00:38:43,260

it wasn't easy to get there the first

778

00:38:49,670 --> 00:38:47,160

time but we are ready NASA has worked

779

00:38:52,430 --> 00:38:49,680

tirelessly and I look forward to all the

780

00:38:55,130 --> 00:38:52,440

work they continue to do there's no

781

00:38:57,589 --> 00:38:55,140

higher ground in space and we have the

782

00:39:00,230 --> 00:38:57,599

technology and the experience to get

783

00:39:01,849 --> 00:39:00,240

there if we could get to the moon in the

784

00:39:04,970 --> 00:39:01,859

60s and we did

785

00:39:07,630 --> 00:39:04,980

we certainly can get there now at the

786

00:39:11,030 --> 00:39:07,640

end of the day it's just this simple

787

00:39:14,750 --> 00:39:11,040

NASA reminds us to dream and to dream

788

00:39:18,470 --> 00:39:14,760

big and because of them we have come so

789

00:39:20,990 --> 00:39:18,480

far thank you to our great NASA thank

790

00:39:22,730 --> 00:39:21,000

you all God Bless Texas and God bless

791

00:39:24,829 --> 00:39:22,740

America

792

00:39:27,410 --> 00:39:24,839

hello I'm congresswoman Sheila Jackson

793

00:39:29,410 --> 00:39:27,420

Lee could not imagine not being in this

794

00:39:32,329 --> 00:39:29,420

place that is full of imagination

795

00:39:34,370 --> 00:39:32,339

congratulations to Rice University which

796

00:39:37,069 --> 00:39:34,380

was a host of President John Fitzgerald

797

00:39:40,790 --> 00:39:37,079

Kennedy in giving his wonderful speech

798

00:39:43,069 --> 00:39:40,800

we choose to go to the Moon as I see and

799

00:39:45,890 --> 00:39:43,079

hear the celebration of our children

800

00:39:48,589 --> 00:39:45,900

that have come I know this is a special

801  
00:39:52,130 --> 00:39:48,599  
day welcome to administrator Bill Nelson

802  
00:39:54,770 --> 00:39:52,140  
of NASA who has led this agency into the

803  
00:39:56,450 --> 00:39:54,780  
future along with President Joe Biden

804  
00:39:57,950 --> 00:39:56,460  
I'm delighted to be here with the

805  
00:40:01,730 --> 00:39:57,960  
chairwoman of the house science

806  
00:40:03,650 --> 00:40:01,740  
committee another important leader in

807  
00:40:05,810 --> 00:40:03,660  
science and technology Eddie Bernice

808  
00:40:07,490 --> 00:40:05,820  
Johnson and our wonderful colleagues who

809  
00:40:09,710 --> 00:40:07,500  
are here as a member of the science

810  
00:40:11,990 --> 00:40:09,720  
Committee in the 1990s I can tell you

811  
00:40:13,970 --> 00:40:12,000  
that my eyes were open and I continued

812  
00:40:16,609 --> 00:40:13,980  
to build on my love and affection for

813  
00:40:18,650 --> 00:40:16,619

the importance of space exploration I'm

814

00:40:21,650 --> 00:40:18,660

reminded of the time that we were able

815

00:40:24,130 --> 00:40:21,660

to make sure that all that needed to be

816

00:40:27,829 --> 00:40:24,140

done was done and the space station

817

00:40:30,109 --> 00:40:27,839

continued to be built and yes to go into

818

00:40:32,450 --> 00:40:30,119

space let me congratulate Mae Jemison

819

00:40:35,510 --> 00:40:32,460

this is the 30th year commemorative year

820

00:40:38,569 --> 00:40:35,520

of her going into space so that's why

821

00:40:42,230 --> 00:40:38,579

this day is so very important because it

822

00:40:45,770 --> 00:40:42,240

is a response to all those starry eyes

823

00:40:48,050 --> 00:40:45,780

that are here can we go into space even

824

00:40:50,150 --> 00:40:48,060

further can we go to the moon and to

825

00:40:52,250 --> 00:40:50,160

Mars I will tell you that the members of

826

00:40:54,770 --> 00:40:52,260

the United States Congress will stand by

827

00:40:57,050 --> 00:40:54,780

this program I will continue to stand by

828

00:40:59,030 --> 00:40:57,060

it and provide the funding in

829

00:41:01,849 --> 00:40:59,040

collaboration with the administration so

830

00:41:04,310 --> 00:41:01,859

that we can not only choose but go to

831

00:41:05,930 --> 00:41:04,320

the moon and Mars I'm reminded of the

832

00:41:07,970 --> 00:41:05,940

words of President John Fitzgerald

833

00:41:10,609 --> 00:41:07,980

Kennedy who took some words from George

834

00:41:13,190 --> 00:41:10,619

Mallory about the reason that he climbed

835

00:41:16,190 --> 00:41:13,200

he climbed the mountain because it was

836

00:41:18,890 --> 00:41:16,200

there and so space is there and we're

837

00:41:22,010 --> 00:41:18,900

going to climb it and as well we're

838

00:41:23,270 --> 00:41:22,020

going to move it beyond our expectation

839

00:41:26,569 --> 00:41:23,280

yes

840

00:41:28,970 --> 00:41:26,579

spaces there for Humanity to achieve the

841

00:41:31,130 --> 00:41:28,980

very best that they can today we

842

00:41:33,770 --> 00:41:31,140

recommit ourselves to this important

843

00:41:36,650 --> 00:41:33,780

Mission congratulations thank you Rice

844

00:41:38,690 --> 00:41:36,660

University thank you to NASA and thank

845

00:41:41,810 --> 00:41:38,700

you to all of you who have gathered the

846

00:41:45,109 --> 00:41:41,820

astronauts now yesterday and in the

847

00:41:47,630 --> 00:41:45,119

future this is America God bless all of

848

00:41:50,569 --> 00:41:47,640

you and God bless the United States of

849

00:41:50,579 --> 00:42:01,609

poet

850

00:42:06,650 --> 00:42:04,970

hi I'm Texas Senator John cornyn it's an

851  
00:42:12,650 --> 00:42:06,660  
honor to join you all today as we

852  
00:42:20,569 --> 00:42:16,130  
I am Eddie Bernice Johnson

853  
00:42:24,290 --> 00:42:20,579  
and I have the pleasure of sharing

854  
00:42:27,230 --> 00:42:24,300  
the Congressional committee on size

855  
00:42:30,710 --> 00:42:27,240  
space and Technology

856  
00:42:34,730 --> 00:42:30,720  
so this is a great day for us

857  
00:42:37,450 --> 00:42:34,740  
and it is a real pleasure to be here to

858  
00:42:39,410 --> 00:42:37,460  
celebrate the 16th

859  
00:42:42,470 --> 00:42:39,420  
anniversary

860  
00:42:45,589 --> 00:42:42,480  
since President Kennedy

861  
00:42:48,890 --> 00:42:45,599  
spoke in this Stadium

862  
00:42:52,010 --> 00:42:48,900  
and so I want to congratulate Ryan

863  
00:42:56,690 --> 00:42:52,020

I have a divorce sight to work with NASA

864

00:42:58,730 --> 00:42:56,700  
to bring us here together today

865

00:43:01,670 --> 00:42:58,740  
in his speech

866

00:43:05,870 --> 00:43:01,680  
he challenged us as a nation

867

00:43:07,849 --> 00:43:05,880  
to accomplish what did seemed impossible

868

00:43:11,030 --> 00:43:07,859  
but we have

869

00:43:14,930 --> 00:43:11,040  
there's no better example

870

00:43:18,650 --> 00:43:14,940  
of representation of the American people

871

00:43:21,890 --> 00:43:18,660  
we chose to take John steps

872

00:43:26,390 --> 00:43:21,900  
we chose to know the unknown

873

00:43:28,309 --> 00:43:26,400  
and we chose to lead into the future

874

00:43:31,849 --> 00:43:28,319  
in the Years

875

00:43:35,210 --> 00:43:31,859  
since President Kennedy's speech we have

876

00:43:37,450 --> 00:43:35,220

made great strides in our endeavors in

877

00:43:40,849 --> 00:43:37,460

space exploration

878

00:43:43,130 --> 00:43:40,859

Americans now live and work on the

879

00:43:47,030 --> 00:43:43,140

International Space Station

880

00:43:48,290 --> 00:43:47,040

our Rovers are exploring the surface of

881

00:43:50,230 --> 00:43:48,300

Mars

882

00:43:52,490 --> 00:43:50,240

our telescopes

883

00:43:55,849 --> 00:43:52,500

appearing into the depths of the

884

00:43:59,630 --> 00:43:55,859

universe and so much more

885

00:44:02,510 --> 00:43:59,640

and many people comment all the time

886

00:44:04,970 --> 00:44:02,520

about how much it costs

887

00:44:07,910 --> 00:44:04,980

I want to share with you

888

00:44:12,950 --> 00:44:07,920

but every dollar we invest

889

00:44:16,130 --> 00:44:12,960

we get seven dollars back and services

890

00:44:19,130 --> 00:44:16,140

and materials

891

00:44:23,210 --> 00:44:19,140

so as I look at this crowd today

892

00:44:27,309 --> 00:44:23,220

I see the faces of rising Generations

893

00:44:30,829 --> 00:44:27,319

nothing in my experience and working

894

00:44:35,450 --> 00:44:30,839

with this committee and students is more

895

00:44:38,750 --> 00:44:35,460

fascinating than space exploration

896

00:44:41,150 --> 00:44:38,760

so we must encourage our young people

897

00:44:45,069 --> 00:44:41,160

to keep that interest

898

00:44:47,329 --> 00:44:45,079

our work is just really beginning

899

00:44:50,150 --> 00:44:47,339

and soon

900

00:44:52,670 --> 00:44:50,160

thanks to the arabis program

901  
00:44:54,170 --> 00:44:52,680  
you will have a chance to experience

902  
00:44:56,150 --> 00:44:54,180  
Americans

903  
00:44:58,490 --> 00:44:56,160  
once again

904  
00:45:00,829 --> 00:44:58,500  
landing on the moon

905  
00:45:03,050 --> 00:45:00,839  
except this time

906  
00:45:06,109 --> 00:45:03,060  
the first woman

907  
00:45:11,450 --> 00:45:06,119  
and the first person of color

908  
00:45:14,510 --> 00:45:11,460  
will be a part that steps on the moon

909  
00:45:18,050 --> 00:45:14,520  
I hope one day

910  
00:45:21,230 --> 00:45:18,060  
some of you students that's here today

911  
00:45:25,069 --> 00:45:21,240  
will follow in their footsteps

912  
00:45:27,829 --> 00:45:25,079  
to everyone here and especially to our

913  
00:45:31,250 --> 00:45:27,839

students whether or not you pursue a

914

00:45:35,829 --> 00:45:31,260

career in space exploration I hope you

915

00:45:38,150 --> 00:45:35,839

keep the words spoken here 60 years ago

916

00:45:41,030 --> 00:45:38,160

in mine

917

00:45:43,430 --> 00:45:41,040

choose to do the hard things

918

00:45:47,089 --> 00:45:43,440

more often than not

919

00:45:49,510 --> 00:45:47,099

your efforts will land you where you

920

00:45:52,010 --> 00:45:49,520

never thought would be possible

921

00:45:54,849 --> 00:45:52,020

we'd never dreamed

922

00:45:57,470 --> 00:45:54,859

that we've reached this 60 years later

923

00:46:00,589 --> 00:45:57,480

but we have

924

00:46:03,890 --> 00:46:00,599

and we've gained so much from it and

925

00:46:07,790 --> 00:46:03,900

it's so much more to explore thank you

926  
00:46:11,890 --> 00:46:07,800  
for being here to give homage

927  
00:46:16,540 --> 00:46:11,900  
to the grave of President Kennedy

928  
00:46:16,550 --> 00:46:26,510  
[Applause]

929  
00:46:31,130 --> 00:46:29,089  
thank you I'm Brian Babbitt I represent

930  
00:46:33,109 --> 00:46:31,140  
the 36th District and I have the great

931  
00:46:34,670 --> 00:46:33,119  
honor of representing Johnson Space

932  
00:46:36,950 --> 00:46:34,680  
Center what an honor to be out here

933  
00:46:43,010 --> 00:46:41,210  
thank you in May of 1961 from the

934  
00:46:45,290 --> 00:46:43,020  
speaker's Rostrum of the House of

935  
00:46:47,750 --> 00:46:45,300  
Representatives President Kennedy

936  
00:46:50,390 --> 00:46:47,760  
charged congress with an ambitious

937  
00:46:52,970 --> 00:46:50,400  
mission to send astronauts to the moon

938  
00:46:56,329 --> 00:46:52,980

but to accomplish this extraordinary

939

00:46:59,630 --> 00:46:56,339

feat NASA realized that they would need

940

00:47:03,410 --> 00:46:59,640

a new facility to spearhead human space

941

00:47:04,670 --> 00:47:03,420

exploration and folks Houston answered

942

00:47:07,370 --> 00:47:04,680

that call

943

00:47:10,609 --> 00:47:07,380

one year later President Kennedy stood

944

00:47:14,329 --> 00:47:10,619

right here in Rice University Stadium to

945

00:47:16,609 --> 00:47:14,339

Proclaim this city of Houston this state

946

00:47:19,910 --> 00:47:16,619

of Texas this country of the United

947

00:47:22,670 --> 00:47:19,920

States was not built by those who waited

948

00:47:23,690 --> 00:47:22,680

and rested and wished to look behind

949

00:47:25,849 --> 00:47:23,700

them

950

00:47:29,450 --> 00:47:25,859

Houston was given a mission

951  
00:47:31,430 --> 00:47:29,460  
the manned spacecraft center now nasus

952  
00:47:33,230 --> 00:47:31,440  
Johnson Space Center in Houston would

953  
00:47:35,690 --> 00:47:33,240  
lead this country's extraordinary

954  
00:47:36,589 --> 00:47:35,700  
efforts and getting Americans to the

955  
00:47:40,309 --> 00:47:36,599  
Moon

956  
00:47:42,050 --> 00:47:40,319  
Kennedy declared we choose to go to the

957  
00:47:44,809 --> 00:47:42,060  
moon in this decade and to do other

958  
00:47:46,910 --> 00:47:44,819  
things not because they are easy but

959  
00:47:49,130 --> 00:47:46,920  
because they are hard you've heard this

960  
00:47:51,230 --> 00:47:49,140  
many times today

961  
00:47:53,089 --> 00:47:51,240  
but because that goal was served to

962  
00:47:55,370 --> 00:47:53,099  
organize and measure the best of our

963  
00:47:57,230 --> 00:47:55,380

energies and skills because that

964

00:48:00,890 --> 00:47:57,240

challenge is one that we are willing to

965

00:48:04,910 --> 00:48:00,900

accept one we are unwilling to postpone

966

00:48:06,230 --> 00:48:04,920

and one that we intend to win and the

967

00:48:09,230 --> 00:48:06,240

others too

968

00:48:11,990 --> 00:48:09,240

as you all know in 1969 America

969

00:48:14,809 --> 00:48:12,000

accomplished the goal of Landing a man

970

00:48:17,870 --> 00:48:14,819

on the moon and returning him safely to

971

00:48:21,470 --> 00:48:17,880

Earth a feat never before achieved by

972

00:48:23,150 --> 00:48:21,480

any other country and we did it five

973

00:48:26,150 --> 00:48:23,160

more times

974

00:48:28,849 --> 00:48:26,160

from successfully Landing 12 pairs of

975

00:48:31,250 --> 00:48:28,859

boots on the moon and operating the

976  
00:48:33,650 --> 00:48:31,260  
historic Mission Control Center to

977  
00:48:36,069 --> 00:48:33,660  
managing the Orion spacecraft program

978  
00:48:38,809 --> 00:48:36,079  
and the International Space Station

979  
00:48:41,450 --> 00:48:38,819  
Johnson Space Center in Houston has

980  
00:48:43,849 --> 00:48:41,460  
contributed critically essential

981  
00:48:45,290 --> 00:48:43,859  
components of the space exploration

982  
00:48:47,450 --> 00:48:45,300  
mission

983  
00:48:49,550 --> 00:48:47,460  
none of this would have been possible

984  
00:48:52,250 --> 00:48:49,560  
without the collaboration of

985  
00:48:55,130 --> 00:48:52,260  
entrepreneurs and academic Minds right

986  
00:48:56,170 --> 00:48:55,140  
here in Houston and right here at Rice

987  
00:48:58,730 --> 00:48:56,180  
University

988  
00:49:01,609 --> 00:48:58,740

## Partnerships that have built Houston

989

00:49:03,530 --> 00:49:01,619

into the global epicenter of space

990

00:49:07,069 --> 00:49:03,540

exploration

991

00:49:10,130 --> 00:49:07,079

America is today 60 years after

992

00:49:12,589 --> 00:49:10,140

Kennedy's remarkable Proclamation once

993

00:49:15,890 --> 00:49:12,599

again on the cusp of launching the most

994

00:49:19,490 --> 00:49:15,900

daring exploration program that Humanity

995

00:49:21,710 --> 00:49:19,500

has ever seen by sending astronauts back

996

00:49:24,290 --> 00:49:21,720

to the Moon in pursuit of going even

997

00:49:26,870 --> 00:49:24,300

further where no one has ever gone

998

00:49:30,829 --> 00:49:26,880

before and as Kennedy said in his

999

00:49:34,130 --> 00:49:30,839

address to Congress in 1961 now it is

1000

00:49:37,370 --> 00:49:34,140

time to take longer strides time for a

1001  
00:49:39,650 --> 00:49:37,380  
great new American Enterprise time for

1002  
00:49:43,130 --> 00:49:39,660  
this nation to take a clearly leading

1003  
00:49:46,250 --> 00:49:43,140  
role in space achievement which in many

1004  
00:49:48,410 --> 00:49:46,260  
ways May hold the key to our future

1005  
00:49:50,690 --> 00:49:48,420  
right here on Earth

1006  
00:49:53,089 --> 00:49:50,700  
I'm very very proud of the work that's

1007  
00:49:57,770 --> 00:49:53,099  
being done here and I look forward to

1008  
00:50:00,829 --> 00:49:57,780  
Houston continuing to take this great

1009  
00:50:03,710 --> 00:50:00,839  
nation in the world to new longer

1010  
00:50:07,790 --> 00:50:03,720  
strides in human space exploration to

1011  
00:50:09,589 --> 00:50:07,800  
the Moon to Mars and even Beyond I would

1012  
00:50:11,510 --> 00:50:09,599  
like to Echo some more words that

1013  
00:50:16,910 --> 00:50:11,520

President Kennedy used to close his

1014

00:50:19,910 --> 00:50:16,920

speech 60 years ago he asked I asked for

1015

00:50:21,470 --> 00:50:19,920

God's blessing on the most hazardous the

1016

00:50:24,589 --> 00:50:21,480

most dangerous and The Greatest

1017

00:50:28,190 --> 00:50:24,599

Adventure on which man has ever embarked

1018

00:50:30,890 --> 00:50:28,200

the mission continues thank you Houston

1019

00:50:33,890 --> 00:50:30,900

and now I'd like to introduce

1020

00:50:36,950 --> 00:50:33,900

my good friend Al Green who represents

1021

00:50:39,510 --> 00:50:36,960

Texas 9th congressional district thank

1022

00:50:47,089 --> 00:50:44,809

[Applause]

1023

00:50:50,510 --> 00:50:47,099

Congressman thank you very much for your

1024

00:50:53,450 --> 00:50:50,520

very kind and warm introduction

1025

00:50:59,030 --> 00:50:53,460

to the students who are here today

1026  
00:51:06,680 --> 00:51:04,030  
do you believe we can go to Mars

1027  
00:51:08,690 --> 00:51:06,690  
would you like to go to Mars

1028  
00:51:10,190 --> 00:51:08,700  
[Applause]

1029  
00:51:13,670 --> 00:51:10,200  
well first you're gonna have to listen

1030  
00:51:18,290 --> 00:51:15,950  
friends

1031  
00:51:20,809 --> 00:51:18,300  
President Kennedy

1032  
00:51:22,370 --> 00:51:20,819  
had something unique

1033  
00:51:25,190 --> 00:51:22,380  
the French

1034  
00:51:27,410 --> 00:51:25,200  
call it je ne sais quoi

1035  
00:51:29,450 --> 00:51:27,420  
something very special

1036  
00:51:31,730 --> 00:51:29,460  
it was that something special that made

1037  
00:51:34,309 --> 00:51:31,740  
him very special among the presidents of

1038  
00:51:37,010 --> 00:51:34,319

the United States of America

1039

00:51:39,230 --> 00:51:37,020

and when he

1040

00:51:41,329 --> 00:51:39,240

gave his speech right here at Rice

1041

00:51:44,630 --> 00:51:41,339

University

1042

00:51:47,569 --> 00:51:44,640

he explained to us

1043

00:51:51,109 --> 00:51:47,579

and engendered within us

1044

00:51:53,809 --> 00:51:51,119

a can-do we can do it and it must be

1045

00:51:58,730 --> 00:51:53,819

done attitude

1046

00:52:01,609 --> 00:51:58,740

that permeated the Zeitgeist of his time

1047

00:52:03,530 --> 00:52:01,619

in his inaugural address

1048

00:52:06,530 --> 00:52:03,540

he indicated

1049

00:52:09,770 --> 00:52:06,540

let us go forth to lead the land we love

1050

00:52:12,890 --> 00:52:09,780

asking His blessings and help

1051  
00:52:16,270 --> 00:52:12,900  
but knowing that here on Earth

1052  
00:52:20,210 --> 00:52:16,280  
God's work must truly be our own

1053  
00:52:22,430 --> 00:52:20,220  
he was a believer in getting it done by

1054  
00:52:25,490 --> 00:52:22,440  
putting our hands on whatever issue was

1055  
00:52:29,210 --> 00:52:25,500  
to be done and making sure that we were

1056  
00:52:31,849 --> 00:52:29,220  
successful because we are Americans we

1057  
00:52:33,710 --> 00:52:31,859  
do things we get them done and we will

1058  
00:52:36,390 --> 00:52:33,720  
be the first to do them because we were

1059  
00:52:41,569 --> 00:52:36,400  
the first to go to the Moon

1060  
00:52:44,390 --> 00:52:41,579  
[Applause]

1061  
00:52:46,549 --> 00:52:44,400  
nearly two years later

1062  
00:52:50,030 --> 00:52:46,559  
President Kennedy

1063  
00:52:54,109 --> 00:52:50,040

this was after his inaugural address

1064

00:52:56,150 --> 00:52:54,119

reduce the impossible to the difficult

1065

00:52:59,990 --> 00:52:56,160

and the difficult

1066

00:53:02,210 --> 00:53:00,000

he reduced to a matter of choice

1067

00:53:04,670 --> 00:53:02,220

when he proclaimed

1068

00:53:07,730 --> 00:53:04,680

that we

1069

00:53:10,190 --> 00:53:07,740

choose to go to the moon in this decade

1070

00:53:12,710 --> 00:53:10,200

and do the other things

1071

00:53:15,349 --> 00:53:12,720

not because they are easy

1072

00:53:17,569 --> 00:53:15,359

but because they are hard

1073

00:53:19,549 --> 00:53:17,579

but what he said about going to the moon

1074

00:53:20,870 --> 00:53:19,559

was something that young people across

1075

00:53:22,549 --> 00:53:20,880

the length and breadth of this country

1076

00:53:25,309 --> 00:53:22,559

took to heart

1077

00:53:27,890 --> 00:53:25,319

young people decided that they wanted to

1078

00:53:30,049 --> 00:53:27,900

do the difficult things they decided to

1079

00:53:32,809 --> 00:53:30,059

major in math and physics and

1080

00:53:35,329 --> 00:53:32,819

Engineering because they wanted to show

1081

00:53:37,430 --> 00:53:35,339

assure this country that they too

1082

00:53:38,690 --> 00:53:37,440

believed that we could do the difficult

1083

00:53:40,549 --> 00:53:38,700

things

1084

00:53:43,790 --> 00:53:40,559

these young people

1085

00:53:46,250 --> 00:53:43,800

did these things because they were hard

1086

00:53:48,290 --> 00:53:46,260

and his response President Kennedy's

1087

00:53:51,290 --> 00:53:48,300

response to the naysayers and doubting

1088

00:53:53,930 --> 00:53:51,300

Thomases was captured when he extolled

1089

00:53:56,750 --> 00:53:53,940

by way of Exemplar

1090

00:54:00,109 --> 00:53:56,760

this city of Houston Texas

1091

00:54:01,250 --> 00:54:00,119

this state this country of the United

1092

00:54:04,430 --> 00:54:01,260

States

1093

00:54:08,390 --> 00:54:04,440

was not built by those who waited and

1094

00:54:11,270 --> 00:54:08,400

rested and wished to look behind them

1095

00:54:14,329 --> 00:54:11,280

further he indicated the exploration of

1096

00:54:15,770 --> 00:54:14,339

space will go ahead whether we join in

1097

00:54:18,410 --> 00:54:15,780

it or not

1098

00:54:21,470 --> 00:54:18,420

no nation which expects to be the leader

1099

00:54:25,010 --> 00:54:21,480

of other nations can expect to stay

1100

00:54:29,750 --> 00:54:25,020

behind in the race for space

1101  
00:54:32,930 --> 00:54:29,760  
President Kennedy the great president

1102  
00:54:35,630 --> 00:54:32,940  
the president who led us into space

1103  
00:54:38,950 --> 00:54:35,640  
LED this nation to believe

1104  
00:54:43,370 --> 00:54:38,960  
that although the Magnificent insular

1105  
00:54:46,069 --> 00:54:43,380  
this island that we know as Earth

1106  
00:54:49,309 --> 00:54:46,079  
is our Genesis

1107  
00:54:52,130 --> 00:54:49,319  
our preeminent destitute

1108  
00:54:54,049 --> 00:54:52,140  
my preeminent destiny

1109  
00:54:58,250 --> 00:54:54,059  
is the Stars

1110  
00:55:01,849 --> 00:54:58,260  
are you ready to go to the Stars oh

1111  
00:55:03,589 --> 00:55:01,859  
let's do it it is our preeminent Destiny

1112  
00:55:05,510 --> 00:55:03,599  
God bless you

1113  
00:55:08,150 --> 00:55:05,520

it is now

1114

00:55:10,730 --> 00:55:08,160

my preeminent privilege

1115

00:55:14,210 --> 00:55:10,740

and my superlative pleasure

1116

00:55:16,130 --> 00:55:14,220

to introduce the honorable congresswoman

1117

00:55:18,660 --> 00:55:16,140

Sylvia Garcia

1118

00:55:24,829 --> 00:55:18,670

give her a big hand please

1119

00:55:26,700 --> 00:55:24,839

[Applause]

1120

00:55:28,190 --> 00:55:26,710

thank you congressman

1121

00:55:30,589 --> 00:55:28,200

[Music]

1122

00:55:33,650 --> 00:55:30,599

buenos dias

1123

00:55:38,390 --> 00:55:33,660

hello everybody

1124

00:55:41,630 --> 00:55:38,400

well I was reflecting on the 60 years

1125

00:55:43,849 --> 00:55:41,640

and first I want to thank everybody from

1126  
00:55:45,910 --> 00:55:43,859  
NASA from the receptionists and the

1127  
00:55:47,690 --> 00:55:45,920  
people who helped put people at the Moon

1128  
00:55:52,670 --> 00:55:47,700  
thank you

1129  
00:55:53,990 --> 00:55:52,680  
creativity your Innovation that's gotten

1130  
00:55:56,390 --> 00:55:54,000  
us to the Moon

1131  
00:55:59,569 --> 00:55:56,400  
because the challenge that was made here

1132  
00:56:02,690 --> 00:55:59,579  
six years ago would be an empty

1133  
00:56:05,510 --> 00:56:02,700  
challenge if we did not have the funding

1134  
00:56:07,730 --> 00:56:05,520  
if we did not have the collaboration if

1135  
00:56:11,030 --> 00:56:07,740  
we did not have the Partnerships to get

1136  
00:56:12,170 --> 00:56:11,040  
it done so thank you to the entire NASA

1137  
00:56:16,670 --> 00:56:12,180  
family

1138  
00:56:19,190 --> 00:56:16,680

for doing your best in getting this done

1139

00:56:22,309 --> 00:56:19,200

then I started thinking about when I was

1140

00:56:25,790 --> 00:56:22,319

about the age of all of these students

1141

00:56:26,990 --> 00:56:25,800

I grew up one of ten children in South

1142

00:56:30,230 --> 00:56:27,000

Texas

1143

00:56:34,250 --> 00:56:30,240

and I'm sort of in between the NASA uh

1144

00:56:37,549 --> 00:56:34,260

the space the air station in Kingsville

1145

00:56:40,370 --> 00:56:37,559

in an air station in Corpus Christi

1146

00:56:43,849 --> 00:56:40,380

and I remember many times seeing the

1147

00:56:47,510 --> 00:56:43,859

jets flying we'd rush out of the house

1148

00:56:51,530 --> 00:56:47,520

and just watch the planes go by

1149

00:56:55,250 --> 00:56:51,540

and wonder what it would be like to fly

1150

00:56:59,030 --> 00:56:55,260

now kids today look at the Moon and look

1151  
00:57:02,030 --> 00:56:59,040  
at Mars and wonder what it would like to

1152  
00:57:04,849 --> 00:57:02,040  
walk on the moon and later go on to Mars

1153  
00:57:07,010 --> 00:57:04,859  
that's what this is all about

1154  
00:57:10,190 --> 00:57:07,020  
is dreaming

1155  
00:57:13,130 --> 00:57:10,200  
so while we celebrate 60 years I look

1156  
00:57:16,010 --> 00:57:13,140  
forward to the next 60 to make sure that

1157  
00:57:18,770 --> 00:57:16,020  
we choose to go to the Mars and more

1158  
00:57:22,370 --> 00:57:18,780  
and getting there I want to thank and

1159  
00:57:24,650 --> 00:57:22,380  
celebrate also NASA's commitment to

1160  
00:57:26,450 --> 00:57:24,660  
diversity and inclusion

1161  
00:57:29,450 --> 00:57:26,460  
you heard it

1162  
00:57:32,150 --> 00:57:29,460  
Artemis will have the first woman and

1163  
00:57:34,730 --> 00:57:32,160

the first people or person of color to

1164

00:57:37,970 --> 00:57:34,740

walk on the moon

1165

00:57:41,089 --> 00:57:37,980

that took a long time to do

1166

00:57:42,170 --> 00:57:41,099

we still remember Sally Ride our first

1167

00:57:46,250 --> 00:57:42,180

woman

1168

00:57:48,470 --> 00:57:46,260

we still remember Dr Chang Diaz our

1169

00:57:50,690 --> 00:57:48,480

first Latino

1170

00:57:55,190 --> 00:57:50,700

but we need more

1171

00:57:57,910 --> 00:57:55,200

because just like HISD has kids that

1172

00:58:01,250 --> 00:57:57,920

speak 122 languages

1173

00:58:04,069 --> 00:58:01,260

representing all kinds of countries we

1174

00:58:07,730 --> 00:58:04,079

want to make sure that the moon and Mars

1175

00:58:10,069 --> 00:58:07,740

looks like HISD in Houston

1176

00:58:13,670 --> 00:58:10,079

so thank you NASA for your commitment

1177

00:58:16,430 --> 00:58:13,680

and for your strength and moving forward

1178

00:58:18,710 --> 00:58:16,440

so as I look again and think about those

1179

00:58:22,250 --> 00:58:18,720

years growing up

1180

00:58:24,589 --> 00:58:22,260

all my brothers played football all my

1181

00:58:27,170 --> 00:58:24,599

sisters were cheerleaders

1182

00:58:29,690 --> 00:58:27,180

I was the nerd

1183

00:58:33,470 --> 00:58:29,700

I was not a cheerleader

1184

00:58:35,630 --> 00:58:33,480

but now I may NASA nerd and I cheer for

1185

00:58:38,390 --> 00:58:35,640

NASA

1186

00:58:40,970 --> 00:58:38,400

so all things good

1187

00:58:44,210 --> 00:58:40,980

so again thank you to rice for hosting

1188

00:58:46,910 --> 00:58:44,220

us thank you to all the NASA it is now

1189

00:58:49,430 --> 00:58:46,920

my pleasure to introduce one of my

1190

00:58:51,950 --> 00:58:49,440

colleagues who serves on the committee

1191

00:58:55,410 --> 00:58:51,960

with jurisdiction over NASA and NASA

1192

00:59:02,569 --> 00:58:55,420

funding Lizzie Fletcher

1193

00:59:06,589 --> 00:59:02,579

[Applause]

1194

00:59:08,930 --> 00:59:06,599

thank you so much congresswoman Garcia I

1195

00:59:12,349 --> 00:59:08,940

am so glad to be with all of you today

1196

00:59:15,470 --> 00:59:12,359

on this historic day where we stand

1197

00:59:18,650 --> 00:59:15,480

again where President Kennedy stood 60

1198

00:59:21,950 --> 00:59:18,660

years ago and addressed the assembled

1199

00:59:23,089 --> 00:59:21,960

crowd as well as the nation and the

1200

00:59:26,870 --> 00:59:23,099

world

1201  
00:59:30,970 --> 00:59:26,880  
in that moment he challenged Americans

1202  
00:59:34,309 --> 00:59:30,980  
to continue the work to expand our

1203  
00:59:38,210 --> 00:59:34,319  
understanding of the world around us

1204  
00:59:40,250 --> 00:59:38,220  
and the universe beyond by exploring

1205  
00:59:43,250 --> 00:59:40,260  
space

1206  
00:59:46,789 --> 00:59:43,260  
man in his quest for knowledge and

1207  
00:59:50,270 --> 00:59:46,799  
progress is determined and cannot be

1208  
00:59:53,809 --> 00:59:50,280  
deterred he told the crowd explaining

1209  
00:59:57,650 --> 00:59:53,819  
that no nation which expects to be the

1210  
01:00:02,510 --> 00:59:57,660  
leader of other nations can expect to

1211  
01:00:05,569 --> 01:00:02,520  
stay behind in this race for space

1212  
01:00:08,750 --> 01:00:05,579  
he did so of course as we've heard this

1213  
01:00:11,510 --> 01:00:08,760

morning knowing that the work to bring

1214

01:00:14,210 --> 01:00:11,520

together a broad Coalition of the

1215

01:00:16,609 --> 01:00:14,220

greatest Minds the most Innovative

1216

01:00:17,930 --> 01:00:16,619

thinking and the most committed

1217

01:00:20,390 --> 01:00:17,940

explorers

1218

01:00:23,990 --> 01:00:20,400

would be a challenge

1219

01:00:29,030 --> 01:00:24,000

but we know here in Houston that that is

1220

01:00:31,670 --> 01:00:29,040

the community that we have created here

1221

01:00:34,069 --> 01:00:31,680

and we often remember now as just about

1222

01:00:37,849 --> 01:00:34,079

every single speaker has reminded us

1223

01:00:40,549 --> 01:00:37,859

that he said we chose we choose to go to

1224

01:00:43,430 --> 01:00:40,559

the moon in this decade and to do other

1225

01:00:46,789 --> 01:00:43,440

things not because they are easy

1226

01:00:50,450 --> 01:00:46,799

but because they are hard

1227

01:00:52,510 --> 01:00:50,460

our country and our city

1228

01:00:55,190 --> 01:00:52,520

Space City

1229

01:00:57,289 --> 01:00:55,200

accepted this challenge

1230

01:00:59,870 --> 01:00:57,299

across the country and around the world

1231

01:01:02,410 --> 01:00:59,880

people watched and dreamed and

1232

01:01:05,390 --> 01:01:02,420

celebrated when just a few years later

1233

01:01:07,190 --> 01:01:05,400

Neil Armstrong took the first step on

1234

01:01:09,589 --> 01:01:07,200

the moon

1235

01:01:12,109 --> 01:01:09,599

and most of us here I think all of us

1236

01:01:13,970 --> 01:01:12,119

here know that the first word ever

1237

01:01:17,809 --> 01:01:13,980

spoken from the Moon

1238

01:01:25,130 --> 01:01:22,190

over the last 60 years we have worked

1239

01:01:28,309 --> 01:01:25,140

here here in this city here in this

1240

01:01:32,270 --> 01:01:28,319

University and here at NASA's Johnson

1241

01:01:35,329 --> 01:01:32,280

Space Center to meet this challenge

1242

01:01:36,349 --> 01:01:35,339

to continue the search for knowledge and

1243

01:01:39,950 --> 01:01:36,359

progress

1244

01:01:43,010 --> 01:01:39,960

and to do so as President Kennedy said

1245

01:01:47,089 --> 01:01:43,020

in Pursuit Of Peace

1246

01:01:49,910 --> 01:01:47,099

and we see that reflected so beautifully

1247

01:01:52,670 --> 01:01:49,920

in those who are assembled here today

1248

01:01:55,010 --> 01:01:52,680

the students the NASA alumni the

1249

01:01:57,530 --> 01:01:55,020

community members the people here in

1250

01:01:59,089 --> 01:01:57,540

this community who have taken that

1251  
01:02:05,210 --> 01:01:59,099  
challenge

1252  
01:02:07,670 --> 01:02:05,220  
as Americans to come together for the

1253  
01:02:11,569 --> 01:02:07,680  
good of all mankind

1254  
01:02:13,670 --> 01:02:11,579  
and that remains our challenge

1255  
01:02:16,250 --> 01:02:13,680  
and that is the work of those who are

1256  
01:02:19,190 --> 01:02:16,260  
here today administrator Nelson director

1257  
01:02:23,569 --> 01:02:19,200  
wise president deroche and so many

1258  
01:02:26,569 --> 01:02:23,579  
others whose lives and work reflect this

1259  
01:02:30,349 --> 01:02:26,579  
vision and this commitment

1260  
01:02:32,710 --> 01:02:30,359  
and so today I hope that the 60th

1261  
01:02:36,410 --> 01:02:32,720  
anniversary commemoration

1262  
01:02:39,349 --> 01:02:36,420  
inspires us all to commit ourselves

1263  
01:02:41,990 --> 01:02:39,359

again to this purpose to this Vision

1264

01:02:44,930 --> 01:02:42,000

that President Kennedy laid out right

1265

01:02:48,890 --> 01:02:44,940

here 60 years ago

1266

01:02:50,990 --> 01:02:48,900

to the challenge of doing the learning

1267

01:02:53,270 --> 01:02:51,000

and the leading

1268

01:02:57,230 --> 01:02:53,280

so that together

1269

01:03:01,010 --> 01:02:57,240

we can make progress for all

1270

01:03:04,990 --> 01:03:01,020

and with that I am so proud to introduce

1271

01:03:15,049 --> 01:03:05,000

a man who personifies that Spirit

1272

01:03:21,589 --> 01:03:18,109

thank you thank you so very very much if

1273

01:03:24,589 --> 01:03:21,599

you will let me adopt everything that

1274

01:03:27,170 --> 01:03:24,599

has already been said let me thank you

1275

01:03:31,270 --> 01:03:27,180

all for

1276

01:03:35,289 --> 01:03:31,280

being a fantastic audience 60 years ago

1277

01:03:38,210 --> 01:03:35,299

uh president roach it was hot and steamy

1278

01:03:42,109 --> 01:03:38,220

administrative why it was not easy

1279

01:03:44,630 --> 01:03:42,119

people were sweating it was hot

1280

01:03:47,210 --> 01:03:44,640

but the very fact that you all have been

1281

01:03:48,349 --> 01:03:47,220

here and listened to one person after

1282

01:03:52,430 --> 01:03:48,359

another

1283

01:03:54,650 --> 01:03:52,440

it signifies it has not been easy but

1284

01:03:57,770 --> 01:03:54,660

you have chosen to be a part of this

1285

01:04:01,309 --> 01:03:57,780

audience and that's what Houston is all

1286

01:04:05,809 --> 01:04:01,319

about we endure the heat we endure the

1287

01:04:08,569 --> 01:04:05,819

steam we fan we sweat but in the end we

1288

01:04:10,609 --> 01:04:08,579

make it happen so to my council members

1289

01:04:13,490 --> 01:04:10,619

councilman Cameron councilmember

1290

01:04:17,450 --> 01:04:13,500

Robinson to NASA to the Johnson Space

1291

01:04:20,390 --> 01:04:17,460

Center to Rice University the professors

1292

01:04:23,990 --> 01:04:20,400

and the staff now let's move forward

1293

01:04:27,470 --> 01:04:24,000

this is a different city than 60 years

1294

01:04:30,589 --> 01:04:27,480

ago we are more diverse we are even

1295

01:04:32,809 --> 01:04:30,599

smarter we are more prepared and we're

1296

01:04:35,329 --> 01:04:32,819

ready to make it happen now let's go

1297

01:04:37,250 --> 01:04:35,339

back to the Moon let's go to the Mars

1298

01:04:44,510 --> 01:04:37,260

and I'll see you down the road let's

1299

01:04:44,520 --> 01:04:48,589

[Applause]

1300

01:04:58,030 --> 01:04:51,390

foreign

1301  
01:04:58,040 --> 01:05:02,289  
[Music]

1302  
01:05:07,250 --> 01:05:05,150  
British Explorer George Mallory

1303  
01:05:09,829 --> 01:05:07,260  
who was to die

1304  
01:05:11,450 --> 01:05:09,839  
on Mount Everest was asked why did he

1305  
01:05:13,670 --> 01:05:11,460  
want to climb it

1306  
01:05:16,370 --> 01:05:13,680  
he said because it is there

1307  
01:05:18,710 --> 01:05:16,380  
well space is there and the moon and the

1308  
01:05:20,690 --> 01:05:18,720  
planets are there and new hopes for

1309  
01:05:22,849 --> 01:05:20,700  
knowledge and peace are there and

1310  
01:05:25,309 --> 01:05:22,859  
therefore as we set sail

1311  
01:05:28,130 --> 01:05:25,319  
we ask God blessings on the most

1312  
01:05:34,460 --> 01:05:28,140  
hazardous and dangerous and Greatest

1313  
01:05:42,230 --> 01:05:39,170

[Music]

1314

01:05:44,870 --> 01:05:42,240

we set sail on this new scene

1315

01:05:48,710 --> 01:05:44,880

because there is new knowledge to be

1316

01:05:52,130 --> 01:05:48,720

gained and new rights to be won and they

1317

01:05:53,670 --> 01:05:52,140

must be won and used for the progress of

1318

01:05:58,849 --> 01:05:53,680

all people

1319

01:06:04,430 --> 01:06:01,370

space and related Industries are

1320

01:06:06,049 --> 01:06:04,440

generating new demand and investment and

1321

01:06:08,870 --> 01:06:06,059

skilled personality

1322

01:06:10,609 --> 01:06:08,880

growth of our science and education will

1323

01:06:13,010 --> 01:06:10,619

be enriched by new knowledge of our

1324

01:06:16,069 --> 01:06:13,020

universe and environment

1325

01:06:23,569 --> 01:06:16,079

to solve these Mysteries to solve them

1326

01:06:29,450 --> 01:06:26,510

hello again so for nearly 22 years

1327

01:06:31,609 --> 01:06:29,460

humans have lived and worked in space in

1328

01:06:34,130 --> 01:06:31,619

a continuous unbroken streak to test new

1329

01:06:36,349 --> 01:06:34,140

technologies conduct scientific research

1330

01:06:40,130 --> 01:06:36,359

and learn what it takes to explore deep

1331

01:06:42,049 --> 01:06:40,140

space at the moon and eventually Mars

1332

01:06:44,089 --> 01:06:42,059

at this very moment

1333

01:06:46,010 --> 01:06:44,099

this work is ongoing about the

1334

01:06:49,609 --> 01:06:46,020

International Space Station

1335

01:06:51,730 --> 01:06:49,619

let's now travel 250 miles straight up

1336

01:06:54,289 --> 01:06:51,740

to hear the crew of expedition 67

1337

01:06:58,010 --> 01:06:54,299

reflect on this particular moment in

1338

01:07:01,309 --> 01:06:59,390

greetings from the International Space

1339

01:07:03,589 --> 01:07:01,319

Station to all of you at Rice stadium in

1340

01:07:06,170 --> 01:07:03,599

Houston I'm NASA astronaut Chell England

1341

01:07:08,690 --> 01:07:06,180

joined by my crewmates and fellow NASA

1342

01:07:11,029 --> 01:07:08,700

astronauts Bob Hines and Jessica Watkins

1343

01:07:14,809 --> 01:07:11,039

as well as European Space Agency

1344

01:07:17,630 --> 01:07:14,819

astronaut Samantha Christopher ready

1345

01:07:19,250 --> 01:07:17,640

we are honored to join the 60th

1346

01:07:22,130 --> 01:07:19,260

anniversary celebration of John F

1347

01:07:24,170 --> 01:07:22,140

Kennedy's historic moonshot speech today

1348

01:07:26,750 --> 01:07:24,180

is a day to reflect on how far we have

1349

01:07:28,910 --> 01:07:26,760

come and to reaffirm our commitment to

1350

01:07:30,049 --> 01:07:28,920

the exploration of space for the benefit

1351

01:07:32,630 --> 01:07:30,059

of all

1352

01:07:34,789 --> 01:07:32,640

the Apollo program was an awe-inspiring

1353

01:07:37,069 --> 01:07:34,799

example of what we are capable of when

1354

01:07:39,529 --> 01:07:37,079

we commit our talents and resources to a

1355

01:07:42,109 --> 01:07:39,539

complex goal we are proud to continue

1356

01:07:43,970 --> 01:07:42,119

that bold tradition today with more than

1357

01:07:46,849 --> 01:07:43,980

two decades of continuous presence

1358

01:07:48,829 --> 01:07:46,859

aboard the International Space Station

1359

01:07:50,870 --> 01:07:48,839

work we're doing here on station Builds

1360

01:07:52,670 --> 01:07:50,880

on the Apollo program and helps to

1361

01:07:55,010 --> 01:07:52,680

prepare us for the next chapter in human

1362

01:07:57,049 --> 01:07:55,020

history under the Artemis program

1363

01:07:59,089 --> 01:07:57,059

we'll return to the moon and from there

1364

01:08:00,349 --> 01:07:59,099

we'll prepare for human exploration of

1365

01:08:02,750 --> 01:08:00,359

Mars

1366

01:08:04,910 --> 01:08:02,760

as a test bed for deep space exploration

1367

01:08:06,710 --> 01:08:04,920

the station is helping us learn how to

1368

01:08:09,049 --> 01:08:06,720

keep astronauts healthy during long

1369

01:08:11,510 --> 01:08:09,059

duration space travel and demonstrating

1370

01:08:14,089 --> 01:08:11,520

Technologies for human and robotic

1371

01:08:16,550 --> 01:08:14,099

exploration Beyond low earth orbit

1372

01:08:18,890 --> 01:08:16,560

International collaboration is what made

1373

01:08:21,530 --> 01:08:18,900

the dream of a scientific and Commercial

1374

01:08:23,570 --> 01:08:21,540

orbital laboratory a reality

1375

01:08:25,370 --> 01:08:23,580

the remarkable achievements of the

1376

01:08:28,610 --> 01:08:25,380

International Space Station are made

1377

01:08:31,189 --> 01:08:28,620

possible by the diversity of talents and

1378

01:08:34,550 --> 01:08:31,199

experience International Partners bring

1379

01:08:36,470 --> 01:08:34,560

to the project with Artemis NASA and its

1380

01:08:38,390 --> 01:08:36,480

International Partners will build on the

1381

01:08:41,329 --> 01:08:38,400

Decades of collaboration to press

1382

01:08:43,430 --> 01:08:41,339

forward to the next Frontier and land

1383

01:08:46,010 --> 01:08:43,440

the first woman and the first person of

1384

01:08:47,749 --> 01:08:46,020

color on the surface of the Moon our

1385

01:08:49,789 --> 01:08:47,759

long-term goal has always been to send

1386

01:08:51,890 --> 01:08:49,799

humans to Mars and the Moon is an

1387

01:08:53,809 --> 01:08:51,900

important step on that Journey with the

1388

01:08:55,370 --> 01:08:53,819

experience we gain through Artemis we

1389

01:08:58,070 --> 01:08:55,380

will establish sustainable human

1390

01:09:00,890 --> 01:08:58,080

Transportation habitation infrastructure

1391

01:09:03,229 --> 01:09:00,900

operations and science that enables deep

1392

01:09:05,630 --> 01:09:03,239

space exploration as we celebrate

1393

01:09:07,309 --> 01:09:05,640

President Kennedy's historic speech we

1394

01:09:09,410 --> 01:09:07,319

are reminded that we count on the Next

1395

01:09:12,349 --> 01:09:09,420

Generation to carry on the passion of

1396

01:09:14,510 --> 01:09:12,359

exploration we need you the next

1397

01:09:17,090 --> 01:09:14,520

generation of scientists engineers

1398

01:09:19,610 --> 01:09:17,100

explorers and other stem professionals

1399

01:09:21,349 --> 01:09:19,620

to join us in the excitement and make

1400

01:09:23,209 --> 01:09:21,359

this dream possible

1401

01:09:25,550 --> 01:09:23,219

the Apollo generation laid the

1402

01:09:27,470 --> 01:09:25,560

foundation of exploration the Artemis

1403

01:09:39,870 --> 01:09:27,480

program will now carry us to the Moon

1404

01:09:45,890 --> 01:09:43,970

[Applause]

1405

01:09:48,229 --> 01:09:45,900

good morning

1406

01:09:50,090 --> 01:09:48,239

at the time of President Kennedy's

1407

01:09:53,630 --> 01:09:50,100

speech

1408

01:09:55,550 --> 01:09:53,640

I was a candidate as a French Air Force

1409

01:09:59,030 --> 01:09:55,560

Academy

1410

01:10:00,229 --> 01:09:59,040

like many other young people on the

1411

01:10:05,090 --> 01:10:00,239

planet

1412

01:10:08,689 --> 01:10:05,100

I understood that a new era of space

1413

01:10:11,990 --> 01:10:08,699

exploration had began

1414

01:10:15,110 --> 01:10:12,000

I understood that fantastic doors were

1415

01:10:18,709 --> 01:10:15,120

quickly opening over our heads

1416

01:10:20,229 --> 01:10:18,719

and I realized that our brains would

1417

01:10:23,750 --> 01:10:20,239

impose

1418

01:10:26,649 --> 01:10:23,760

afross and sacrifices roses

1419

01:10:30,649 --> 01:10:26,659

[Music]

1420

01:10:32,689 --> 01:10:30,659

one phrase in President Kennedy's speech

1421

01:10:35,750 --> 01:10:32,699

remained in my mind

1422

01:10:39,290 --> 01:10:35,760

and helped sometimes

1423

01:10:44,689 --> 01:10:39,300

if this capsuled history

1424

01:10:48,229 --> 01:10:44,699

of our progress teaches us anything

1425

01:10:50,630 --> 01:10:48,239

it is that man in his quest for

1426

01:10:52,729 --> 01:10:50,640

knowledge and progress

1427

01:10:55,970 --> 01:10:52,739

is determined

1428

01:10:59,390 --> 01:10:55,980

and cannot be deterred

1429

01:11:00,649 --> 01:10:59,400

thanks to president Bruce to space

1430

01:11:04,070 --> 01:11:00,659

exploration

1431

01:11:06,850 --> 01:11:04,080

each of us in the drug

1432

01:11:11,750 --> 01:11:06,860

got his or hair

1433

01:11:17,630 --> 01:11:14,630

I was not alive when President Kennedy

1434

01:11:20,450 --> 01:11:17,640

made his speech here in this Stadium

1435

01:11:24,110 --> 01:11:20,460

but I was a four-year-old living in

1436

01:11:27,709 --> 01:11:24,120

Houston when we first walked on the moon

1437

01:11:30,830 --> 01:11:27,719

I remember being in my backyard with my

1438

01:11:32,090 --> 01:11:30,840

parents and my older sister looking up

1439

01:11:34,250 --> 01:11:32,100

at the Moon

1440

01:11:35,689 --> 01:11:34,260

that was rising over the roof of our

1441

01:11:38,090 --> 01:11:35,699

house

1442

01:11:43,250 --> 01:11:38,100

I remember my parents saying something

1443

01:11:46,910 --> 01:11:43,260

to the effect of we have people there

1444

01:11:49,910 --> 01:11:46,920

it was then that I decided I wanted to

1445

01:11:54,649 --> 01:11:51,890

the part of President Kennedy's speech

1446

01:12:00,410 --> 01:11:56,630

is that a chronic line

1447

01:12:03,169 --> 01:12:00,420

about doing things because they are hard

1448

01:12:04,729 --> 01:12:03,179

but then it's the next phrase

1449

01:12:08,570 --> 01:12:04,739

he said

1450

01:12:12,410 --> 01:12:08,580

because that goal will serve to organize

1451  
01:12:14,149 --> 01:12:12,420  
and measure the best of our energies and

1452  
01:12:16,310 --> 01:12:14,159  
our skills

1453  
01:12:18,950 --> 01:12:16,320  
it was certainly true then

1454  
01:12:22,490 --> 01:12:18,960  
it is still true now

1455  
01:12:25,189 --> 01:12:22,500  
big difficult challenges demand the best

1456  
01:12:29,450 --> 01:12:25,199  
of our energies and our skills

1457  
01:12:36,490 --> 01:12:33,110  
the future of humanity

1458  
01:12:40,970 --> 01:12:36,500  
School space exploration

1459  
01:12:43,490 --> 01:12:40,980  
depends on the strong acceptance of

1460  
01:12:47,030 --> 01:12:43,500  
ethical values

1461  
01:12:49,729 --> 01:12:47,040  
that should already Drive our

1462  
01:12:51,590 --> 01:12:49,739  
civilization

1463  
01:12:54,169 --> 01:12:51,600

all of us

1464

01:12:58,130 --> 01:12:54,179

based Travelers

1465

01:13:00,649 --> 01:12:58,140

can witness that the more we claim

1466

01:13:02,930 --> 01:13:00,659

the more we forget

1467

01:13:04,729 --> 01:13:02,940

about the struggles

1468

01:13:07,250 --> 01:13:04,739

or nurse

1469

01:13:09,770 --> 01:13:07,260

and the more we feel

1470

01:13:14,149 --> 01:13:09,780

The Fragile sorrow

1471

01:13:17,689 --> 01:13:14,159

of our beautiful home planet

1472

01:13:21,649 --> 01:13:17,699

the full beauty of the Earth

1473

01:13:24,050 --> 01:13:21,659

appears with distance

1474

01:13:28,310 --> 01:13:24,060

and we can appreciate

1475

01:13:29,630 --> 01:13:28,320

thanks to the Amazing Discoveries of the

1476

01:13:34,810 --> 01:13:29,640

herbal

1477

01:13:39,350 --> 01:13:37,850

jean-loo you are right about the beauty

1478

01:13:42,290 --> 01:13:39,360

of the Earth

1479

01:13:45,470 --> 01:13:42,300

looking down from the space station

1480

01:13:47,990 --> 01:13:45,480

one has a unique vantage point to take

1481

01:13:52,490 --> 01:13:48,000

in the wonders of our planet

1482

01:13:55,990 --> 01:13:52,500

the continents the oceans the clouds

1483

01:13:59,630 --> 01:13:56,000

you can see that we are all one together

1484

01:14:02,330 --> 01:13:59,640

on our precious and yes

1485

01:14:05,270 --> 01:14:02,340

our fragile Earth

1486

01:14:08,450 --> 01:14:05,280

turning one's gaze to the Stars you can

1487

01:14:11,030 --> 01:14:08,460

feel the enormity of the universe

1488

01:14:12,590 --> 01:14:11,040

you know that we need to continue to

1489

01:14:15,110 --> 01:14:12,600

explore

1490

01:14:16,729 --> 01:14:15,120

and we need to continue it

1491

01:14:18,470 --> 01:14:16,739

in peace

1492

01:14:22,010 --> 01:14:18,480

and harmony

1493

01:14:30,050 --> 01:14:26,270

that's that's us all Preserve

1494

01:14:35,270 --> 01:14:30,060

the beauty of our planet

1495

01:14:37,550 --> 01:14:35,280

and get ready to pursue on the same ship

1496

01:14:38,470 --> 01:14:37,560

the Fantastic

1497

01:14:43,490 --> 01:14:38,480

Odyssey

1498

01:14:47,270 --> 01:14:45,770

and we are doing that

1499

01:14:49,250 --> 01:14:47,280

right now

1500

01:14:53,090 --> 01:14:49,260

on a launch pad at the Kennedy Space

1501

01:14:56,510 --> 01:14:53,100

Center is our first Artemis rocket

1502

01:14:58,610 --> 01:14:56,520

very soon we'll be launching once more

1503

01:15:00,470 --> 01:14:58,620

towards the Moon

1504

01:15:04,610 --> 01:15:00,480

NASA is working with our commercial

1505

01:15:07,550 --> 01:15:04,620

partners and international Partners to

1506

01:15:09,530 --> 01:15:07,560

establish the first long-term Presence

1507

01:15:11,149 --> 01:15:09,540

at the Moon

1508

01:15:13,550 --> 01:15:11,159

jointly

1509

01:15:16,370 --> 01:15:13,560

we will venture out into our solar

1510

01:15:20,209 --> 01:15:16,380

system to explore

1511

01:15:22,550 --> 01:15:20,219

and see and understand

1512

01:15:27,290 --> 01:15:22,560

we will do it together

1513

01:15:32,149 --> 01:15:28,790

space

1514

01:15:35,090 --> 01:15:32,159

is a peaceful place where International

1515

01:15:37,490 --> 01:15:35,100

cooperation

1516

01:15:41,030 --> 01:15:37,500

is a success

1517

01:15:42,830 --> 01:15:41,040

and this is a kind of a drug

1518

01:15:44,570 --> 01:15:42,840

just ask

1519

01:15:47,270 --> 01:15:44,580

politicians

1520

01:15:52,130 --> 01:15:47,280

why spaceships

1521

01:15:55,790 --> 01:15:52,140

such as their atmospheric colleagues

1522

01:16:00,110 --> 01:15:55,800

don't drop a flight plan

1523

01:16:01,729 --> 01:16:00,120

before flying over so many foreign

1524

01:16:06,470 --> 01:16:01,739

countries

1525

01:16:09,950 --> 01:16:06,480

sometimes not so friendly

1526  
01:16:12,770 --> 01:16:09,960  
thanks America

1527  
01:16:14,810 --> 01:16:12,780  
for your International

1528  
01:16:19,130 --> 01:16:14,820  
cooperation

1529  
01:16:22,970 --> 01:16:21,229  
and thank you

1530  
01:16:27,229 --> 01:16:22,980  
and thanks to all our International

1531  
01:16:29,990 --> 01:16:27,239  
Partners who are with us on this journey

1532  
01:16:35,110 --> 01:16:30,000  
and now it is my honor to introduce our

1533  
01:16:35,120 --> 01:16:38,930  
[Applause]

1534  
01:16:43,270 --> 01:16:41,570  
thank you Shannon

1535  
01:16:45,830 --> 01:16:43,280  
all right

1536  
01:16:50,090 --> 01:16:45,840  
we are going

1537  
01:16:52,550 --> 01:16:50,100  
now as JFK declared 60 years ago

1538  
01:16:55,010 --> 01:16:52,560

we are choosing to go

1539

01:16:57,890 --> 01:16:55,020

and we're going together we're going

1540

01:17:00,890 --> 01:16:57,900

because of our unified goal and the

1541

01:17:03,470 --> 01:17:00,900

strength that comes from our diversity

1542

01:17:06,530 --> 01:17:03,480

the impact of Apollo and the achievement

1543

01:17:09,709 --> 01:17:06,540

of bold exploration goals has rippled

1544

01:17:11,750 --> 01:17:09,719

out in ways that would be impossible to

1545

01:17:14,149 --> 01:17:11,760

precisely measure

1546

01:17:17,209 --> 01:17:14,159

we not only went to the Moon

1547

01:17:19,550 --> 01:17:17,219

but we are not looking at stars form in

1548

01:17:22,610 --> 01:17:19,560

the earliest parts of our universe we're

1549

01:17:24,530 --> 01:17:22,620

flying helicopters on Mars

1550

01:17:27,649 --> 01:17:24,540

and we're using advancements in

1551

01:17:31,189 --> 01:17:27,659

technology and science to understand our

1552

01:17:36,709 --> 01:17:34,310

NASA has also changed we've moved

1553

01:17:38,149 --> 01:17:36,719

forward we're more inclusive we're more

1554

01:17:40,790 --> 01:17:38,159

diverse

1555

01:17:44,030 --> 01:17:40,800

we have a whole generation

1556

01:17:45,649 --> 01:17:44,040

a few thousand of those are here with us

1557

01:17:49,070 --> 01:17:45,659

today and they were really smart they

1558

01:17:52,689 --> 01:17:51,169

yeah anyway they're with us today

1559

01:17:55,490 --> 01:17:52,699

including

1560

01:17:58,790 --> 01:17:55,500

our next and final speaker

1561

01:18:03,050 --> 01:17:58,800

the talented and accomplished Houston

1562

01:18:06,830 --> 01:18:03,060

youth Poet Laureate Avion Hogans

1563

01:18:08,390 --> 01:18:06,840

now anyone that is 21 years old or

1564

01:18:10,729 --> 01:18:08,400

younger

1565

01:18:12,950 --> 01:18:10,739

for their entire life

1566

01:18:16,189 --> 01:18:12,960

people have been living and working

1567

01:18:18,189 --> 01:18:16,199

aboard the International Space Station

1568

01:18:22,729 --> 01:18:18,199

for them

1569

01:18:25,370 --> 01:18:22,739

Humanity as a space-bearing species is

1570

01:18:27,709 --> 01:18:25,380

just a part of what we do

1571

01:18:29,810 --> 01:18:27,719

I had the extreme Good Fortune to fly

1572

01:18:30,830 --> 01:18:29,820

four space shuttle missions as a NASA

1573

01:18:32,990 --> 01:18:30,840

astronaut

1574

01:18:33,950 --> 01:18:33,000

and I often get asked which one was my

1575

01:18:37,130 --> 01:18:33,960

favorite

1576

01:18:38,990 --> 01:18:37,140

and it and it's easy it was my last one

1577

01:18:41,689 --> 01:18:39,000

the First Assembly mission of the

1578

01:18:44,270 --> 01:18:41,699

International Space Station and and one

1579

01:18:47,030 --> 01:18:44,280

of my crewmates rice Alum Dr Jim Newman

1580

01:18:50,450 --> 01:18:47,040

is here in the audience today

1581

01:18:53,570 --> 01:18:50,460

since November 2nd of 2000

1582

01:18:55,189 --> 01:18:53,580

humans have been continually living and

1583

01:18:58,490 --> 01:18:55,199

working in space

1584

01:18:59,810 --> 01:18:58,500

that's significant it impacts the way we

1585

01:19:02,930 --> 01:18:59,820

see the world

1586

01:19:06,890 --> 01:19:02,940

it's why I always encourage people to

1587

01:19:09,169 --> 01:19:06,900

get out look up watch it Fly overhead

1588

01:19:10,910 --> 01:19:09,179

now if you missed it at 5 30 this

1589

01:19:11,990 --> 01:19:10,920

morning I doubt most of you are out

1590

01:19:17,450 --> 01:19:12,000

there

1591

01:19:20,149 --> 01:19:17,460

four-minute opportunity at 8 30 this

1592

01:19:22,970 --> 01:19:20,159

evening as it comes over Houston

1593

01:19:25,729 --> 01:19:22,980

I love to watch it pass over and know

1594

01:19:28,550 --> 01:19:25,739

that my friends are up there advancing

1595

01:19:31,430 --> 01:19:28,560

Technologies we need for the new Artemis

1596

01:19:33,530 --> 01:19:31,440

missions to the moon and Paving our way

1597

01:19:35,870 --> 01:19:33,540

to the Future

1598

01:19:37,189 --> 01:19:35,880

today's students those here with us

1599

01:19:39,350 --> 01:19:37,199

today

1600

01:19:41,750 --> 01:19:39,360

and in classrooms throughout the country

1601  
01:19:45,890 --> 01:19:41,760  
and around the world

1602  
01:19:47,510 --> 01:19:45,900  
have not seen us send people to the Moon

1603  
01:19:50,930 --> 01:19:47,520  
yeah

1604  
01:19:53,930 --> 01:19:50,940  
but they will we are going

1605  
01:19:56,209 --> 01:19:53,940  
we are going to explore the unknown

1606  
01:19:58,430 --> 01:19:56,219  
what is life like on the South Pole of

1607  
01:20:00,890 --> 01:19:58,440  
the moon what can we learn from the

1608  
01:20:01,970 --> 01:20:00,900  
formation of our own Planet by being on

1609  
01:20:04,790 --> 01:20:01,980  
the moon

1610  
01:20:07,189 --> 01:20:04,800  
how can we live further away from Earth

1611  
01:20:09,110 --> 01:20:07,199  
our goals are ambitious

1612  
01:20:12,830 --> 01:20:09,120  
it's not easy

1613  
01:20:15,229 --> 01:20:12,840

but we can accomplish hard things we

1614

01:20:17,390 --> 01:20:15,239

dare Mighty things

1615

01:20:19,729 --> 01:20:17,400

we are so close to launching the first

1616

01:20:22,310 --> 01:20:19,739

Artemis Mission with our Mega Moon

1617

01:20:25,970 --> 01:20:22,320

rocket the space launch system in the

1618

01:20:27,770 --> 01:20:25,980

Orion crew capsule with four astronauts

1619

01:20:30,110 --> 01:20:27,780

we're going to put those spacecraft

1620

01:20:32,750 --> 01:20:30,120

through a rigorous Mission without crew

1621

01:20:35,930 --> 01:20:32,760

in the extreme environment of deep space

1622

01:20:37,910 --> 01:20:35,940

to prove we're ready to fly crew on the

1623

01:20:41,209 --> 01:20:37,920

Artemis 2 mission

1624

01:20:43,250 --> 01:20:41,219

on this first Artemis Mission Orion will

1625

01:20:46,010 --> 01:20:43,260

fly further from Earth than any

1626

01:20:47,630 --> 01:20:46,020

spacecraft built for humans has ever

1627

01:20:50,990 --> 01:20:47,640

flown

1628

01:20:53,209 --> 01:20:51,000

and stay in space longer without docking

1629

01:20:56,209 --> 01:20:53,219

to a space station

1630

01:20:59,090 --> 01:20:56,219

then any ship has ever done before

1631

01:21:01,910 --> 01:20:59,100

and then it will return home faster and

1632

01:21:03,830 --> 01:21:01,920

hotter than ever before

1633

01:21:07,250 --> 01:21:03,840

astronauts on their first flight aboard

1634

01:21:09,530 --> 01:21:07,260

the Orion spacecraft on Artemis II

1635

01:21:11,149 --> 01:21:09,540

will lead the way so we can lay on the

1636

01:21:14,149 --> 01:21:11,159

first woman and the first person of

1637

01:21:17,390 --> 01:21:14,159

color on the moon on Artemis 3.

1638

01:21:20,209 --> 01:21:17,400

these early missions will enable future

1639

01:21:23,209 --> 01:21:20,219

lunar surface missions preparing us to

1640

01:21:26,149 --> 01:21:23,219

send astronauts to Mars

1641

01:21:29,209 --> 01:21:26,159

you are living in an incredible time for

1642

01:21:32,930 --> 01:21:29,219

human space flight and I hope that you

1643

01:21:35,930 --> 01:21:32,940

are as excited about it as I am

1644

01:21:38,870 --> 01:21:35,940

the scientific discoveries will make

1645

01:21:41,510 --> 01:21:38,880

on these missions will enable Humanity

1646

01:21:44,510 --> 01:21:41,520

to learn more about our universe

1647

01:21:46,250 --> 01:21:44,520

and Artemis is just one part of what

1648

01:21:50,330 --> 01:21:46,260

we're doing at NASA

1649

01:21:53,030 --> 01:21:50,340

we have a place for you no matter what

1650

01:21:54,649 --> 01:21:53,040

come join us it doesn't matter what

1651  
01:21:57,110 --> 01:21:54,659  
you're passionate about it just matters

1652  
01:22:00,709 --> 01:21:57,120  
that you're passionate that's where it

1653  
01:22:06,530 --> 01:22:03,910  
Evian I am so looking forward to you

1654  
01:22:08,810 --> 01:22:06,540  
sharing your poem with us I can't wait

1655  
01:22:11,330 --> 01:22:08,820  
to hear what poems you're going to write

1656  
01:22:13,370 --> 01:22:11,340  
and compose after the first woman and

1657  
01:22:15,169 --> 01:22:13,380  
first person of color step down on the

1658  
01:22:17,330 --> 01:22:15,179  
surface of the Moon

1659  
01:22:19,250 --> 01:22:17,340  
so let's keep charging

1660  
01:22:20,870 --> 01:22:19,260  
but don't forget

1661  
01:22:23,630 --> 01:22:20,880  
keep looking up

1662  
01:22:24,770 --> 01:22:23,640  
see the stars and look for the space

1663  
01:22:26,930 --> 01:22:24,780

station

1664

01:22:27,950 --> 01:22:26,940

and wave hello to those astronauts up

1665

01:22:30,350 --> 01:22:27,960

there

1666

01:22:31,610 --> 01:22:30,360

as we go to the moon and further with

1667

01:22:33,170 --> 01:22:31,620

Artemis

1668

01:22:41,390 --> 01:22:33,180

thank you

1669

01:22:42,770 --> 01:22:41,400

[Applause]

1670

01:22:46,729 --> 01:22:42,780

I want to thank all of our speakers

1671

01:22:49,970 --> 01:22:46,739

today the message is loud and clear we

1672

01:22:53,570 --> 01:22:52,070

so let us continue to encourage our

1673

01:22:56,330 --> 01:22:53,580

present and future generation of

1674

01:22:57,950 --> 01:22:56,340

explorers we know that the Curiosity of

1675

01:22:59,570 --> 01:22:57,960

curiosity and passion will help us to

1676

01:23:01,070 --> 01:22:59,580

achieve the next step in space

1677

01:23:03,050 --> 01:23:01,080

exploration

1678

01:23:05,149 --> 01:23:03,060

giving life and continuing the legacy of

1679

01:23:07,130 --> 01:23:05,159

President Kennedy's work

1680

01:23:09,350 --> 01:23:07,140

I know of no better way to close this

1681

01:23:11,030 --> 01:23:09,360

program than from a member of this the

1682

01:23:13,070 --> 01:23:11,040

Artemis generation

1683

01:23:15,890 --> 01:23:13,080

it gives me great pleasure to introduce

1684

01:23:17,930 --> 01:23:15,900

Avalon Hogans Houston's youth Poet

1685

01:23:19,910 --> 01:23:17,940

Laureate and our proud Rice University

1686

01:23:22,550 --> 01:23:19,920

freshman who will give a special

1687

01:23:27,410 --> 01:23:22,560

rendition of our poem the skyline of

1688

01:23:34,430 --> 01:23:30,110

[Applause]

1689

01:23:37,250 --> 01:23:34,440

hello my name is Avalon Hogans along

1690

01:23:39,530 --> 01:23:37,260

with being Houston's youth Poet Laureate

1691

01:23:41,149 --> 01:23:39,540

I am also a freshman here at Rice

1692

01:23:44,030 --> 01:23:41,159

University

1693

01:23:46,910 --> 01:23:44,040

I wrote a poem entitled skyline of mine

1694

01:23:50,090 --> 01:23:46,920

it's about Houston as a native

1695

01:23:53,330 --> 01:23:50,100

houstonian many things make me proud to

1696

01:23:55,729 --> 01:23:53,340

live here I am proud to attend the six

1697

01:23:58,370 --> 01:23:55,739

best school in the nation

1698

01:24:01,310 --> 01:23:58,380

I am proud to be here today to

1699

01:24:04,790 --> 01:24:01,320

commemorate such a Monumental occasion

1700

01:24:06,290 --> 01:24:04,800

I feel a special connection with NASA my

1701

01:24:09,470 --> 01:24:06,300

grandmother worked there for many years

1702

01:24:11,570 --> 01:24:09,480

as a government worker and even received

1703

01:24:14,450 --> 01:24:11,580

a letter from President Obama before her

1704

01:24:17,450 --> 01:24:14,460

retirement honoring her work at NASA

1705

01:24:20,630 --> 01:24:17,460

my grandmother inspires me daily to be

1706

01:24:22,689 --> 01:24:20,640

resilient and to follow my dreams and I

1707

01:24:24,830 --> 01:24:22,699

see this also in the city of Houston

1708

01:24:28,189 --> 01:24:24,840

that's what's so great about Houston

1709

01:24:31,790 --> 01:24:28,199

it's full of talented hard-working

1710

01:24:34,910 --> 01:24:31,800

individuals who Inspire one another

1711

01:24:37,490 --> 01:24:34,920

this inspired my poem skyline of mine

1712

01:24:39,050 --> 01:24:37,500

which is about how the people make this

1713

01:24:42,050 --> 01:24:39,060

city so bright

1714

01:24:45,350 --> 01:24:42,060

I was born and raised here in the fourth

1715

01:24:47,590 --> 01:24:45,360

ward area as a shy kid who loved to

1716

01:24:51,410 --> 01:24:47,600

write but was scared to speak her mind

1717

01:24:54,050 --> 01:24:51,420

but as I got older I uncovered more and

1718

01:24:56,630 --> 01:24:54,060

more about how truly unique and

1719

01:24:57,890 --> 01:24:56,640

beautiful Houston's art and culture is

1720

01:25:01,030 --> 01:24:57,900

here

1721

01:25:04,910 --> 01:25:01,040

it has been impossible to deny my own

1722

01:25:07,970 --> 01:25:04,920

aspirations Houston is full of creation

1723

01:25:09,890 --> 01:25:07,980

and Innovation from the Museum District

1724

01:25:12,050 --> 01:25:09,900

to the med center to our own

1725

01:25:13,430 --> 01:25:12,060

neighborhoods and the stadium we're in

1726

01:25:16,669 --> 01:25:13,440

right now

1727

01:25:19,070 --> 01:25:16,679

I feel so proud to grown up to be a

1728

01:25:21,229 --> 01:25:19,080

Houston artist I hope one day I can

1729

01:25:24,350 --> 01:25:21,239

Inspire others to shine and reach for

1730

01:25:30,350 --> 01:25:27,169

skyline of mine

1731

01:25:32,169 --> 01:25:30,360

my heart beats along to the foot traffic

1732

01:25:34,810 --> 01:25:32,179

of downtown

1733

01:25:37,310 --> 01:25:34,820

sidewalks guide me to my potential

1734

01:25:40,370 --> 01:25:37,320

skyscrapers point me to my Limitless

1735

01:25:44,209 --> 01:25:40,380

limits I hold my head high because I'm

1736

01:25:46,790 --> 01:25:44,219

H-Town bound our culture so influential

1737

01:25:51,709 --> 01:25:46,800

paints such a beautiful and diverse

1738

01:25:55,430 --> 01:25:51,719

image my city Sparks hope my city gives

1739

01:25:58,430 --> 01:25:55,440

light my City's my only home and locally

1740

01:26:01,189 --> 01:25:58,440

made my cities my birth Riot I've seen

1741

01:26:04,129 --> 01:26:01,199

fireworks out my window I've imagined my

1742

01:26:07,070 --> 01:26:04,139

own Afro-American dream I've seen

1743

01:26:09,729 --> 01:26:07,080

Thunder out my window I've watched

1744

01:26:13,270 --> 01:26:09,739

flooded Gloom drain back to gleam

1745

01:26:16,610 --> 01:26:13,280

Houston strong we rebuilt our Legacy

1746

01:26:19,370 --> 01:26:16,620

Brick by Brick we regenerated our home

1747

01:26:21,770 --> 01:26:19,380

the days were long and dark and

1748

01:26:25,129 --> 01:26:21,780

hurricane Harvey but Houston hope

1749

01:26:28,610 --> 01:26:25,139

doesn't drown it floats the days where

1750

01:26:31,970 --> 01:26:28,620

long and dark last year when Texas snow

1751

01:26:35,870 --> 01:26:31,980

turned to power gone but as the freeze

1752

01:26:39,850 --> 01:26:35,880

froze over we huddled in closer leaning

1753

01:26:43,550 --> 01:26:39,860

on our community to keep us powering on

1754

01:26:47,689 --> 01:26:43,560

dressed to impress my home is the most

1755

01:26:51,410 --> 01:26:47,699

diverse in the nation Beyonce blessed my

1756

01:26:54,229 --> 01:26:51,420

home is the heart of aspiration but the

1757

01:26:57,229 --> 01:26:54,239

art is in the artist and the food is in

1758

01:26:59,209 --> 01:26:57,239

the cook the singer is in the song and

1759

01:27:01,970 --> 01:26:59,219

the author is in the book

1760

01:27:05,030 --> 01:27:01,980

it's the people who make this place

1761

01:27:08,810 --> 01:27:05,040

worth praising it's the culture that

1762

01:27:11,330 --> 01:27:08,820

makes this place so amazing who says you

1763

01:27:12,950 --> 01:27:11,340

can't see stars in the city they're

1764

01:27:15,649 --> 01:27:12,960

coming down the highway they're running

1765

01:27:18,530 --> 01:27:15,659

through the park who says Stars don't

1766

01:27:21,530 --> 01:27:18,540

shine as bright in the city in Houston

1767

01:27:24,350 --> 01:27:21,540

Space City nickname we can see stars and

1768

01:27:27,410 --> 01:27:24,360

the light ends in the dark Houston we

1769

01:27:30,830 --> 01:27:27,420

have a problem at our houstonians can

1770

01:27:33,410 --> 01:27:30,840

solve it home to the wisest and kindness

1771

01:27:36,410 --> 01:27:33,420

you'll ever meet shout out to the first

1772

01:27:39,350 --> 01:27:36,420

gen students at Rice University

1773

01:27:42,410 --> 01:27:39,360

growing up and living in Houston has

1774

01:27:45,169 --> 01:27:42,420

taught me so much about having pride and

1775

01:27:46,550 --> 01:27:45,179

I'm so proud to live under this Skylight

1776

01:27:51,630 --> 01:27:46,560

of mine

1777

01:27:51,640 --> 01:27:55,310

[Applause]

1778

01:27:59,149 --> 01:27:57,350

I actually didn't think it was possible

1779

01:28:01,250 --> 01:27:59,159

to get goosebumps in this temperature

1780

01:28:03,410 --> 01:28:01,260

but um thank you Avalon that was

1781

01:28:05,149 --> 01:28:03,420

fantastic that was a beautiful way to

1782

01:28:07,850 --> 01:28:05,159

honor the ideals and Visions for Houston

1783

01:28:09,590 --> 01:28:07,860

so before leaving the stage to the

1784

01:28:11,930 --> 01:28:09,600

rights marching out band I want to thank

1785

01:28:14,090 --> 01:28:11,940

you all for being our guest at this very

1786

01:28:16,850 --> 01:28:14,100

special celebration and to remind you

1787

01:28:19,430 --> 01:28:16,860

that the future in space starts with you

1788

01:28:22,820 --> 01:28:19,440

please enjoy the exhibit space and have

1789

01:28:25,300 --> 01:28:22,830

a safe journey home thank you all