



1
00:00:45,910 --> 00:00:06,230
hello there 156 center closing center

2
00:00:45,920 --> 00:01:08,710
changed

3
00:01:08,720 --> 00:01:14,469
is

4
00:01:14,479 --> 00:01:33,270
um

5
00:01:33,280 --> 00:01:59,910
foreign

6
00:02:03,190 --> 00:02:01,990
go ahead and execute startup script red

7
00:02:04,709 --> 00:02:03,200
bar chief

8
00:02:06,950 --> 00:02:04,719
go ahead and turn on the hydraulic pump

9
00:02:11,589 --> 00:02:06,960
to low pressure on low ready to run the

10
00:02:17,910 --> 00:02:11,599
spectrum we're ready 54 000 pound upload

11
00:02:17,920 --> 00:02:27,190
needles are up early now

12
00:02:27,200 --> 00:02:37,830
my condition

13
00:02:37,840 --> 00:03:13,030

commanding goes here

14

00:03:13,040 --> 00:03:31,190

area surfaces of 3000 feet

15

00:03:31,200 --> 00:03:39,990

three times the rate they normally do

16

00:03:44,390 --> 00:03:42,309

christchurch is certainly a big part of

17

00:03:45,990 --> 00:03:44,400

the answer both because you have really

18

00:03:48,309 --> 00:03:46,000

good weather here this time of year and

19

00:03:53,509 --> 00:03:48,319

you have some really nice objects in the

20

00:03:59,350 --> 00:03:56,149

i'm personally excited about having

21

00:04:01,350 --> 00:03:59,360

dream chaser here at dryden

22

00:04:03,110 --> 00:04:01,360

i can't think of a better place to be

23

00:04:04,470 --> 00:04:03,120

testing a vehicle like this than

24

00:04:06,390 --> 00:04:04,480

bringing it right out here to the

25

00:04:08,470 --> 00:04:06,400

edwards dry lake bed which is very

26

00:04:09,509 --> 00:04:08,480

historic in its own right

27

00:04:10,630 --> 00:04:09,519

three

28

00:04:27,030 --> 00:04:10,640

two

29

00:04:32,790 --> 00:04:30,070

i have enormous affection for this place

30

00:04:34,469 --> 00:04:32,800

it's people and it's vision for the

31

00:04:36,469 --> 00:04:34,479

future of the world of flight and i

32

00:04:39,909 --> 00:04:36,479

believe that whenever i have the

33

00:04:42,870 --> 00:04:39,919

privilege of visiting here again and

34

00:04:45,510 --> 00:04:42,880

years ahead and ask someone

35

00:04:45,520 --> 00:05:04,150

there'll always be something

36

00:05:07,270 --> 00:05:05,590

ladies and gentlemen can i please have

37

00:05:09,350 --> 00:05:07,280

you stand for the presentation of colors

38

00:05:10,790 --> 00:05:09,360

by the air force edwards air force honor

39

00:05:58,950 --> 00:05:10,800

guard

40

00:06:00,790 --> 00:05:59,830

oh

41

00:06:04,550 --> 00:06:00,800

say

42

00:06:44,870 --> 00:06:04,560

can you see

43

00:06:44,880 --> 00:06:50,309

and the rockets

44

00:06:55,990 --> 00:06:53,029

the bombs bursting

45

00:07:01,510 --> 00:06:58,390

gave proof

46

00:07:07,270 --> 00:07:01,520

through the night

47

00:07:08,070 --> 00:07:07,280

that our flag was still there

48

00:07:09,029 --> 00:07:08,080

oh

49

00:07:29,189 --> 00:07:09,039

say

50

00:08:10,390 --> 00:07:31,150

and the

51
00:08:14,390 --> 00:08:12,230
thank you the national anthem this

52
00:08:15,830 --> 00:08:14,400
morning was performed by kaylee

53
00:08:16,869 --> 00:08:15,840
armstrong granddaughter of neil

54
00:08:18,710 --> 00:08:16,879
armstrong

55
00:08:29,909 --> 00:08:18,720
accompanied by taylor sullivan thank you

56
00:08:32,790 --> 00:08:31,510
good morning i'm david mcbride center

57
00:08:36,870 --> 00:08:32,800
director

58
00:08:39,350 --> 00:08:38,469
before we get started this moment i'd

59
00:08:41,430 --> 00:08:39,360
like to

60
00:08:43,269 --> 00:08:41,440
ask for a moment of silence for one of

61
00:08:45,590 --> 00:08:43,279
our lost heroes

62
00:08:47,829 --> 00:08:45,600
bill dana one of our inspirations our

63
00:08:49,509 --> 00:08:47,839

friend and a friend and colleague of

64

00:08:59,750 --> 00:08:49,519

neil armstrong passed away this past

65

00:09:04,150 --> 00:09:01,750

bill's presence is terribly missed but

66

00:09:06,470 --> 00:09:04,160

his memory and legacy continues with us

67

00:09:07,829 --> 00:09:06,480

here today

68

00:09:09,670 --> 00:09:07,839

welcome and thank you for being with us

69

00:09:11,350 --> 00:09:09,680

today at the outset i'd like to

70

00:09:12,710 --> 00:09:11,360

introduce and welcome our special guest

71

00:09:15,430 --> 00:09:12,720

today

72

00:09:17,430 --> 00:09:15,440

welcome to the dryden family eric dryden

73

00:09:20,150 --> 00:09:17,440

hugh dryden's grandson with his wife

74

00:09:29,750 --> 00:09:20,160

lisa and their children logan matthew

75

00:09:32,870 --> 00:09:31,350

the armstrong family miss janet

76

00:09:36,150 --> 00:09:32,880

armstrong she was part of the exciting

77

00:09:38,310 --> 00:09:36,160

next 15 years here at the center with

78

00:09:41,110 --> 00:09:38,320

neil armstrong's sons rick and mark

79

00:09:52,230 --> 00:09:41,120

armstrong mark's wife wendy and their

80

00:10:01,269 --> 00:09:54,389

neil's sister june and her husband jack

81

00:10:05,910 --> 00:10:03,190

and our special guest grace walker

82

00:10:07,430 --> 00:10:05,920

weissman and the joe walker family

83

00:10:16,829 --> 00:10:07,440

miss judy dana

84

00:10:20,870 --> 00:10:19,190

sabring welcome to our distinguished

85

00:10:22,790 --> 00:10:20,880

guest u.s representative the honorable

86

00:10:30,230 --> 00:10:22,800

kevin mccarthy of california's 23rd

87

00:10:34,310 --> 00:10:31,990

maybe like i'll go to the end and we'll

88

00:10:36,389 --> 00:10:34,320

do one one applause

89

00:10:38,630 --> 00:10:36,399

representing representing u.s senator

90

00:10:42,790 --> 00:10:38,640

dianne feinstein miss elizabeth delgado

91

00:10:47,829 --> 00:10:44,630

california state senator steve knight of

92

00:10:49,430 --> 00:10:47,839

the 21st district

93

00:10:52,949 --> 00:10:49,440

nasa administrator

94

00:10:57,350 --> 00:10:56,389

nasa's chief technologist david miller

95

00:10:59,269 --> 00:10:57,360

nasa's

96

00:11:01,670 --> 00:10:59,279

associate administrator of small office

97

00:11:03,590 --> 00:11:01,680

business programs glen delgado

98

00:11:10,150 --> 00:11:03,600

and the nasa ames deputy center director

99

00:11:14,949 --> 00:11:12,790

locally palmdale mayor jim ledford to

100

00:11:21,030 --> 00:11:14,959

hatchback mayor phil smith and vice

101
00:11:26,389 --> 00:11:23,030
deputy to l.a county supervisor michael

102
00:11:28,550 --> 00:11:26,399
antonovic mr norm hinckley

103
00:11:30,069 --> 00:11:28,560
and from the center from the edwards air

104
00:11:32,389 --> 00:11:30,079
force base community general michael

105
00:11:34,389 --> 00:11:32,399
brewer commander 412 test wing colonel

106
00:11:36,870 --> 00:11:34,399
paul meyer vice commander air force test

107
00:11:39,430 --> 00:11:36,880
center colonel lars hoffman commander

108
00:11:40,630 --> 00:11:39,440
u.s air force test pilot school in the

109
00:11:48,710 --> 00:11:40,640
antelope valley board of trade

110
00:11:53,190 --> 00:11:51,430
we are here today to celebrate and honor

111
00:11:55,269 --> 00:11:53,200
the designation of our center is the

112
00:11:57,430 --> 00:11:55,279
nasa neil a armstrong flight research

113
00:11:59,350 --> 00:11:57,440

center and the western aeronautical test

114

00:12:00,550 --> 00:11:59,360

range at the huel dryden aeronautical

115

00:12:02,230 --> 00:12:00,560

test range

116

00:12:05,190 --> 00:12:02,240

this designation is the result of

117

00:12:06,629 --> 00:12:05,200

congressional resolution 667 championed

118

00:12:08,310 --> 00:12:06,639

by the antelope valley board of trade

119

00:12:10,550 --> 00:12:08,320

and authored by our congressman kevin

120

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

mccarthy and signed into law by

121

00:12:16,230 --> 00:12:12,639

president obama

122

00:12:18,150 --> 00:12:16,240

public law 11375 in january of this year

123

00:12:19,750 --> 00:12:18,160

administrator bolden director directed

124

00:12:21,350 --> 00:12:19,760

that we implement the name change effect

125

00:12:23,269 --> 00:12:21,360

of march 1st

126

00:12:25,990 --> 00:12:23,279

we're here to honor the contributions of

127

00:12:28,150 --> 00:12:26,000

two men that had significant roles in

128

00:12:29,750 --> 00:12:28,160

placing america as a preeminent world

129

00:12:31,990 --> 00:12:29,760

leader in aerospace

130

00:12:33,670 --> 00:12:32,000

both men provided inspiration in their

131

00:12:35,269 --> 00:12:33,680

actions and in their contributions to

132

00:12:36,949 --> 00:12:35,279

the state and place of aerospace in the

133

00:12:39,269 --> 00:12:36,959

nation today

134

00:12:41,829 --> 00:12:39,279

as long as history is written both men

135

00:12:43,910 --> 00:12:41,839

and their contributions to aeronautics

136

00:12:45,990 --> 00:12:43,920

aerospace and exploration will be

137

00:12:47,750 --> 00:12:46,000

remembered and recalled

138

00:12:49,670 --> 00:12:47,760

while we are changing our name we will

139

00:12:50,949 --> 00:12:49,680

continue to honor the legacy of hiel

140

00:12:55,430 --> 00:12:50,959

dryden

141

00:12:57,190 --> 00:12:55,440

space age and remains one of the world's

142

00:12:58,550 --> 00:12:57,200

pivotal figures in both aeronautics and

143

00:13:00,629 --> 00:12:58,560

space flight

144

00:13:03,190 --> 00:13:00,639

dr dryden when asked about the value of

145

00:13:05,590 --> 00:13:03,200

flight research with respect to the x-15

146

00:13:07,750 --> 00:13:05,600

program stated that the purpose is to

147

00:13:09,110 --> 00:13:07,760

separate the real from the imagine

148

00:13:12,310 --> 00:13:09,120

and make known the overlooked and

149

00:13:14,310 --> 00:13:12,320

unexpected to that end our center

150

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

vision will remain to separate the real

151
00:13:18,069 --> 00:13:16,160
from the imagine through flight

152
00:13:20,389 --> 00:13:18,079
and our mission will remain advancing

153
00:13:21,990 --> 00:13:20,399
technology and science through flight we

154
00:13:24,230 --> 00:13:22,000
will maintain and recommit to the

155
00:13:25,590 --> 00:13:24,240
agency's vision and mission researching

156
00:13:27,990 --> 00:13:25,600
for new heights and revealing the

157
00:13:30,550 --> 00:13:28,000
unknown for the benefit of humankind and

158
00:13:32,389 --> 00:13:30,560
driving advances in science technology

159
00:13:34,629 --> 00:13:32,399
and space exploration to enhance

160
00:13:37,670 --> 00:13:34,639
knowledge education innovation economic

161
00:13:40,790 --> 00:13:37,680
vitality and stewardship of earth

162
00:13:43,350 --> 00:13:40,800
our core values never change safety

163
00:13:45,189 --> 00:13:43,360

excellence teamwork and integrity in all

164

00:13:46,949 --> 00:13:45,199

that we do

165

00:13:49,030 --> 00:13:46,959

it is now my pleasure to introduce

166

00:13:51,189 --> 00:13:49,040

california state senator steve knight

167

00:13:53,030 --> 00:13:51,199

representing the 21st district

168

00:14:07,990 --> 00:13:53,040

steve grew up here on the base and is no

169

00:14:11,189 --> 00:14:09,670

well it is my distinct pleasure to be

170

00:14:12,710 --> 00:14:11,199

here you know you can't drive across the

171

00:14:15,750 --> 00:14:12,720

lake bed without getting a smile on your

172

00:14:17,750 --> 00:14:15,760

face or a tear in your eye

173

00:14:19,990 --> 00:14:17,760

i have a little bit of history out here

174

00:14:21,590 --> 00:14:20,000

and i wanted to introduce someone who's

175

00:14:23,670 --> 00:14:21,600

special to me

176

00:14:25,110 --> 00:14:23,680

we have colonel larry hoffman here who's

177

00:14:27,590 --> 00:14:25,120

one of my dearest friends i grew up with

178

00:14:29,590 --> 00:14:27,600

him out in edwards air force base united

179

00:14:32,310 --> 00:14:29,600

states air force test pilot school

180

00:14:33,750 --> 00:14:32,320

commandant here with his wife jill

181

00:14:35,910 --> 00:14:33,760

and

182

00:14:38,629 --> 00:14:35,920

we know a little bit about growing up at

183

00:14:40,790 --> 00:14:38,639

edwards just like the armstrong family

184

00:14:43,509 --> 00:14:40,800

did and the walker family and mccabe

185

00:14:46,550 --> 00:14:43,519

family and the dana family

186

00:14:48,629 --> 00:14:46,560

this is where history is made

187

00:14:51,910 --> 00:14:48,639

i'm going to use a line my father

188

00:14:54,150 --> 00:14:51,920

made in 1997 on the 30th anniversary of

189

00:14:55,590 --> 00:14:54,160

his flight and the 50th anniversary of

190

00:14:58,389 --> 00:14:55,600

jaeger's flight

191

00:15:00,310 --> 00:14:58,399

was these are the good old days today i

192

00:15:02,069 --> 00:15:00,320

think people believe that things happen

193

00:15:04,230 --> 00:15:02,079

in the 50s and 60s and nothing happens

194

00:15:06,310 --> 00:15:04,240

anymore and he was saying these are the

195

00:15:07,590 --> 00:15:06,320

good old days edwards is where it

196

00:15:09,030 --> 00:15:07,600

happens

197

00:15:10,629 --> 00:15:09,040

nobody

198

00:15:13,430 --> 00:15:10,639

exemplifies that more than neil

199

00:15:15,509 --> 00:15:13,440

armstrong from what he did in

200

00:15:17,750 --> 00:15:15,519

probably one of the most successful

201
00:15:19,910 --> 00:15:17,760
platforms that nasa's ever had

202
00:15:21,509 --> 00:15:19,920
to his one small step

203
00:15:23,430 --> 00:15:21,519
neil armstrong

204
00:15:26,069 --> 00:15:23,440
made america

205
00:15:28,550 --> 00:15:26,079
and i say that not lightly

206
00:15:29,829 --> 00:15:28,560
what we did in the 60s and what he

207
00:15:32,150 --> 00:15:29,839
accomplished

208
00:15:34,870 --> 00:15:32,160
put us on the map it showed what

209
00:15:36,230 --> 00:15:34,880
american ingenuity is and it showed what

210
00:15:38,710 --> 00:15:36,240
we were doing

211
00:15:40,870 --> 00:15:38,720
so i say that

212
00:15:43,110 --> 00:15:40,880
thank you and thank you to uh

213
00:15:44,470 --> 00:15:43,120

congressman mccarthy for making this

214

00:15:47,670 --> 00:15:44,480

happen

215

00:15:49,590 --> 00:15:47,680

this uh this exemplifies this area

216

00:15:51,430 --> 00:15:49,600

and uh and i appreciate everything that

217

00:15:53,189 --> 00:15:51,440

nasa does for us

218

00:15:55,910 --> 00:15:53,199

in that note

219

00:15:58,629 --> 00:15:55,920

i would like to offer a resolution from

220

00:16:01,430 --> 00:15:58,639

the california state senate

221

00:16:02,710 --> 00:16:01,440

in honor of the neil a armstrong flight

222

00:16:05,269 --> 00:16:02,720

research center

223

00:16:07,110 --> 00:16:05,279

and i think that it is fitting that we

224

00:16:09,269 --> 00:16:07,120

name this after

225

00:16:12,150 --> 00:16:09,279

an x-15 pilot

226

00:16:14,230 --> 00:16:12,160

i have a little bit uh in my heart for

227

00:16:16,629 --> 00:16:14,240

all those x-15 pilots

228

00:16:19,350 --> 00:16:16,639

but uh also for someone who took that

229

00:16:34,710 --> 00:16:19,360

small step and that giant leap

230

00:16:38,629 --> 00:16:36,069

at this time it's my pleasure to

231

00:16:40,949 --> 00:16:38,639

introduce united states representative

232

00:16:51,910 --> 00:16:40,959

kevin mccarthy he's our representative

233

00:16:55,990 --> 00:16:54,550

well thank you very much um i first want

234

00:16:58,310 --> 00:16:56,000

to thank david

235

00:16:59,910 --> 00:16:58,320

not only for making this happen today

236

00:17:02,949 --> 00:16:59,920

but for the leadership of nasa he's

237

00:17:05,270 --> 00:17:02,959

never forgotten where we come from

238

00:17:07,110 --> 00:17:05,280

you know he takes the

239

00:17:08,710 --> 00:17:07,120

legacy of the past and applies it to a

240

00:17:10,069 --> 00:17:08,720

changing future and that's what we're

241

00:17:12,470 --> 00:17:10,079

all looking for

242

00:17:14,470 --> 00:17:12,480

i also want to thank kathy hart for the

243

00:17:16,230 --> 00:17:14,480

antelope valley board of trade

244

00:17:17,990 --> 00:17:16,240

they kept this fire burning for nine

245

00:17:19,110 --> 00:17:18,000

years

246

00:17:21,350 --> 00:17:19,120

and that takes a great deal of

247

00:17:23,270 --> 00:17:21,360

responsibility to make happen

248

00:17:25,750 --> 00:17:23,280

i want to honor that

249

00:17:27,350 --> 00:17:25,760

charles bolden's here we thank you for

250

00:17:28,789 --> 00:17:27,360

your work we thank you for what you're

251

00:17:30,789 --> 00:17:28,799

going to do in the future

252

00:17:33,669 --> 00:17:30,799

we appreciate you coming here and seeing

253

00:17:35,750 --> 00:17:33,679

the capabilities that we have as well

254

00:17:38,470 --> 00:17:35,760

a special thanks to

255

00:17:41,110 --> 00:17:38,480

state senator steve knight

256

00:17:42,870 --> 00:17:41,120

you think about the legacy that he knows

257

00:17:45,029 --> 00:17:42,880

about where he's been and what he

258

00:17:46,549 --> 00:17:45,039

continues to carry on he's been a great

259

00:17:47,830 --> 00:17:46,559

part of making this happen

260

00:17:52,470 --> 00:17:47,840

to be here today it took an act of

261

00:17:56,470 --> 00:17:54,150

you know what the little sad part i had

262

00:17:58,630 --> 00:17:56,480

to pass it twice

263

00:18:01,350 --> 00:17:58,640

we got it through the house one time

264

00:18:02,710 --> 00:18:01,360

and the senate in the senate wisdom kind

265

00:18:04,630 --> 00:18:02,720

of ran out of time

266

00:18:06,230 --> 00:18:04,640

so we passed it again but with

267

00:18:07,590 --> 00:18:06,240

everything you hear about washington i'm

268

00:18:09,750 --> 00:18:07,600

very proud to say

269

00:18:16,789 --> 00:18:09,760

nobody voted against it

270

00:18:22,070 --> 00:18:19,190

so here today to honor two men

271

00:18:23,990 --> 00:18:22,080

they're amazing accomplishments

272

00:18:25,750 --> 00:18:24,000

it's the neil a armstrong

273

00:18:28,789 --> 00:18:25,760

flight research center

274

00:18:30,470 --> 00:18:28,799

and the hu drill uh dryden aeronautic

275

00:18:33,270 --> 00:18:30,480

test range

276

00:18:35,190 --> 00:18:33,280

we all know the history of both men

277

00:18:38,470 --> 00:18:35,200

but what's most ironic when you sit here

278

00:18:40,070 --> 00:18:38,480

and think of neil armstrong

279

00:18:42,310 --> 00:18:40,080

you wonder in somebody's life that they

280

00:18:44,070 --> 00:18:42,320

make a difference

281

00:18:45,909 --> 00:18:44,080

well it's not just everybody in america

282

00:18:49,190 --> 00:18:45,919

but everybody in the world where were

283

00:18:51,029 --> 00:18:49,200

you july 20th 1969

284

00:18:52,950 --> 00:18:51,039

everybody was watching

285

00:18:55,190 --> 00:18:52,960

everybody was wondering

286

00:18:57,190 --> 00:18:55,200

his famous quote but then when he put

287

00:18:59,430 --> 00:18:57,200

that footstep down

288

00:19:02,870 --> 00:18:59,440

and he made that footprint on the moon

289

00:19:06,710 --> 00:19:04,950

the legacy that lasted

290

00:19:09,110 --> 00:19:06,720

but what we're here today before he put

291

00:19:12,070 --> 00:19:09,120

that footprint down on the moon he put a

292

00:19:13,830 --> 00:19:12,080

footprint down right here

293

00:19:15,590 --> 00:19:13,840

you look at the two

294

00:19:18,150 --> 00:19:15,600

instruments next to me

295

00:19:19,990 --> 00:19:18,160

conceptual he was a part of it before we

296

00:19:23,750 --> 00:19:20,000

even got there

297

00:19:26,630 --> 00:19:23,760

the 24-hour 2400 hours that he flew

298

00:19:28,549 --> 00:19:26,640

seven years that he was apart

299

00:19:30,789 --> 00:19:28,559

but to me that he never forgot where he

300

00:19:32,470 --> 00:19:30,799

came from

301
00:19:33,909 --> 00:19:32,480
he knew what he was doing for mankind

302
00:19:37,270 --> 00:19:33,919
but he also we knew what he was doing

303
00:19:39,510 --> 00:19:37,280
for everybody else but in that in that

304
00:19:40,950 --> 00:19:39,520
video that we saw

305
00:19:44,710 --> 00:19:40,960
i'm very taken by what he said on the

306
00:19:46,710 --> 00:19:44,720
50th anniversary of 1996

307
00:19:51,669 --> 00:19:46,720
when he talked about

308
00:19:53,029 --> 00:19:51,679
he said my years here were wonderful

309
00:19:56,230 --> 00:19:53,039
years

310
00:19:58,549 --> 00:19:56,240
dryden was a most unusual place

311
00:20:00,789 --> 00:19:58,559
it's enormous curiosity

312
00:20:03,830 --> 00:20:00,799
wonderful intensity

313
00:20:07,350 --> 00:20:03,840

an unbelievable willingness to attempt

314

00:20:09,669 --> 00:20:07,360

the impossible here

315

00:20:11,990 --> 00:20:09,679

if you wonder what our quest is today to

316

00:20:13,830 --> 00:20:12,000

never lose sight

317

00:20:15,669 --> 00:20:13,840

to be able to get the quest of the

318

00:20:17,190 --> 00:20:15,679

impossible

319

00:20:19,990 --> 00:20:17,200

and that's what we still drive us here

320

00:20:22,870 --> 00:20:20,000

today

321

00:20:24,950 --> 00:20:22,880

before neil armstrong was here

322

00:20:26,390 --> 00:20:24,960

you had you dryden

323

00:20:28,310 --> 00:20:26,400

think of the accomplishments that he

324

00:20:30,230 --> 00:20:28,320

made think of the

325

00:20:33,430 --> 00:20:30,240

history that he put forward

326

00:20:36,070 --> 00:20:33,440

he helped develop the p51 mustang

327

00:20:37,990 --> 00:20:36,080

the x-15 aircraft that launched

328

00:20:42,149 --> 00:20:38,000

when nasa was created in 58 dryden

329

00:20:47,750 --> 00:20:44,230

that's pioneering that's setting a

330

00:20:49,510 --> 00:20:47,760

framework so others could propel

331

00:20:51,909 --> 00:20:49,520

unfortunately passed away of cancer in

332

00:20:54,630 --> 00:20:51,919

1965 just a few years before he could

333

00:20:56,070 --> 00:20:54,640

fulfill in the apollo 11 mission but we

334

00:20:57,750 --> 00:20:56,080

will never forget him

335

00:20:59,750 --> 00:20:57,760

and today we're here to honor the legacy

336

00:21:01,909 --> 00:20:59,760

of the two men

337

00:21:04,950 --> 00:21:01,919

but not just honor them continue that

338

00:21:06,870 --> 00:21:04,960

footprint for the next generation

339

00:21:09,029 --> 00:21:06,880

so we could go further

340

00:21:10,870 --> 00:21:09,039

and continue to lead the entire world

341

00:21:24,070 --> 00:21:10,880

when it comes to space thank you and god

342

00:21:27,350 --> 00:21:25,510

at this time i'd like to introduce the

343

00:21:29,510 --> 00:21:27,360

honorable charles f bolden charlie

344

00:21:31,669 --> 00:21:29,520

bolden to us administrator of national

345

00:21:33,750 --> 00:21:31,679

aeronautics and space administration

346

00:21:35,990 --> 00:21:33,760

his 34-year career with the marine corps

347

00:21:37,830 --> 00:21:36,000

included 14 years as a member of the

348

00:21:39,669 --> 00:21:37,840

nasa astronaut office

349

00:21:41,350 --> 00:21:39,679

after joining the office in 1980 he

350

00:21:44,549 --> 00:21:41,360

traveled to orbit four times aboard the

351

00:21:46,549 --> 00:21:44,559

space shuttle between 1986 and 1994

352

00:21:48,470 --> 00:21:46,559

commanding two of those missions

353

00:21:50,310 --> 00:21:48,480

charlie was confirmed nasa administrator

354

00:21:57,750 --> 00:21:50,320

july 2009

355

00:22:02,710 --> 00:22:00,310

thanks very much david um it's quite a

356

00:22:04,789 --> 00:22:02,720

pleasure to be here and um

357

00:22:06,870 --> 00:22:04,799

senator knight thank you very much for

358

00:22:08,549 --> 00:22:06,880

your comments i we were just

359

00:22:11,110 --> 00:22:08,559

saying i said you know i didn't realize

360

00:22:13,830 --> 00:22:11,120

your dad had been an f-15 pilot he said

361

00:22:16,070 --> 00:22:13,840

oh yes and we have some friends in

362

00:22:17,669 --> 00:22:16,080

common who uh

363

00:22:19,750 --> 00:22:17,679

senator knight probably has some real

364

00:22:21,270 --> 00:22:19,760

good memories like my son reminds me why

365

00:22:23,029 --> 00:22:21,280

can't i do what you used to do you

366

00:22:24,630 --> 00:22:23,039

probably say why can't you do what your

367

00:22:27,029 --> 00:22:24,640

dad used to do is because your dad and

368

00:22:29,430 --> 00:22:27,039

me and other people we were crazy

369

00:22:31,750 --> 00:22:29,440

and uh and so we try to keep you all

370

00:22:33,990 --> 00:22:31,760

from doing the things that we did

371

00:22:35,590 --> 00:22:34,000

um

372

00:22:37,350 --> 00:22:35,600

congresswoman mccarthy i cannot thank

373

00:22:40,870 --> 00:22:37,360

you enough for this entire crowd for

374

00:22:42,549 --> 00:22:40,880

your tenacity tenacity and really

375

00:22:44,070 --> 00:22:42,559

leading the charge on bringing us here

376

00:22:45,510 --> 00:22:44,080

today as you said this took an act of

377

00:22:47,029 --> 00:22:45,520

congress and

378

00:22:49,669 --> 00:22:47,039

so be it

379

00:22:52,390 --> 00:22:49,679

but i i thank you for coming out members

380

00:22:53,990 --> 00:22:52,400

of the dryden and armstrong family

381

00:22:57,110 --> 00:22:54,000

thanks to all of you for being here with

382

00:22:59,110 --> 00:22:57,120

us today this this is your day um i also

383

00:23:01,270 --> 00:22:59,120

want to take an opportunity to recognize

384

00:23:03,190 --> 00:23:01,280

one of members of my staff who who was

385

00:23:04,950 --> 00:23:03,200

overlooked but that's uh associate

386

00:23:06,950 --> 00:23:04,960

administrator for communications david

387

00:23:08,789 --> 00:23:06,960

weaver and he plays a very key role

388

00:23:10,870 --> 00:23:08,799

david raise your at least raise your

389

00:23:14,310 --> 00:23:10,880

hand yeah and then the other person who

390

00:23:16,390 --> 00:23:14,320

i don't think left marie where are you

391

00:23:17,669 --> 00:23:16,400

marie fullerton

392

00:23:19,029 --> 00:23:17,679

there's marie

393

00:23:21,350 --> 00:23:19,039

i want to acknowledge the presence of

394

00:23:24,070 --> 00:23:21,360

marie fullerton the widow of gordon

395

00:23:25,669 --> 00:23:24,080

fullerton who was uh a mentor of mine

396

00:23:28,230 --> 00:23:25,679

when i first got to houston in the

397

00:23:30,549 --> 00:23:28,240

astronaut office and and gordo reed he

398

00:23:32,950 --> 00:23:30,559

did what what not too many people do and

399

00:23:34,789 --> 00:23:32,960

what not enough people do uh he left the

400

00:23:37,270 --> 00:23:34,799

astronaut program came back to his roots

401
00:23:39,990 --> 00:23:37,280
came back out here out here to to

402
00:23:41,909 --> 00:23:40,000
edwards and dryden and uh and continued

403
00:23:44,070 --> 00:23:41,919
his legacy and and

404
00:23:51,190 --> 00:23:44,080
so marie it's really special to have you

405
00:23:54,950 --> 00:23:53,590
today it's um i'm joining everyone else

406
00:23:57,750 --> 00:23:54,960
because it's our opportunity to

407
00:23:59,430 --> 00:23:57,760
recognize two icons of aerospace

408
00:24:01,510 --> 00:23:59,440
engineering and excellence

409
00:24:03,830 --> 00:24:01,520
from hugh dryden's experiences and work

410
00:24:05,430 --> 00:24:03,840
with airplanes when when the field was

411
00:24:07,830 --> 00:24:05,440
really in its infancy to neil

412
00:24:10,230 --> 00:24:07,840
armstrong's work as a test pilot in

413
00:24:13,269 --> 00:24:10,240

historic footsteps on the moon

414

00:24:15,269 --> 00:24:13,279

these two tell pioneer field it sustains

415

00:24:16,870 --> 00:24:15,279

us today in ways that could hardly have

416

00:24:18,310 --> 00:24:16,880

have been imagined

417

00:24:19,990 --> 00:24:18,320

hugh dryden was considered an

418

00:24:21,990 --> 00:24:20,000

aeronautical genius

419

00:24:24,789 --> 00:24:22,000

who pushed the boundaries of high-speed

420

00:24:26,789 --> 00:24:24,799

flight beginning in 1931

421

00:24:28,789 --> 00:24:26,799

dryden's expertise at the national

422

00:24:32,070 --> 00:24:28,799

advisory committee for aeronautics or

423

00:24:34,310 --> 00:24:32,080

naca and then nasa established america's

424

00:24:36,310 --> 00:24:34,320

leadership in space and organized the

425

00:24:37,430 --> 00:24:36,320

research that led to our first steps in

426
00:24:39,750 --> 00:24:37,440
space

427
00:24:41,269 --> 00:24:39,760
his organizational leadership was at the

428
00:24:43,430 --> 00:24:41,279
root of neil armstrong's most

429
00:24:47,190 --> 00:24:43,440
spectacular flight achievements from the

430
00:24:48,230 --> 00:24:47,200
x-15 to his 1969 first footsteps on the

431
00:24:51,269 --> 00:24:48,240
moon

432
00:24:53,350 --> 00:24:51,279
if president johnson's eulogy uh in

433
00:24:55,669 --> 00:24:53,360
president johnson's eulogy for dryden he

434
00:24:58,230 --> 00:24:55,679
said and i quote hugh dryden's death

435
00:25:00,630 --> 00:24:58,240
ended nearly 50 years of single-minded

436
00:25:02,149 --> 00:25:00,640
devotion and effort by one of the most

437
00:25:03,909 --> 00:25:02,159
distinguished civil servants this

438
00:25:05,909 --> 00:25:03,919

country has ever known

439

00:25:08,870 --> 00:25:05,919

beloved by all his associates and

440

00:25:11,029 --> 00:25:08,880

respected throughout the world dr dryden

441

00:25:12,789 --> 00:25:11,039

more than any other man led us into the

442

00:25:14,390 --> 00:25:12,799

age of jet aircraft and space

443

00:25:16,390 --> 00:25:14,400

exploration

444

00:25:18,789 --> 00:25:16,400

president obama on the occasion of neil

445

00:25:20,950 --> 00:25:18,799

armstrong's passing said and i quote

446

00:25:23,110 --> 00:25:20,960

future generations will draw inspiration

447

00:25:25,110 --> 00:25:23,120

from his spirit of discovery

448

00:25:27,510 --> 00:25:25,120

humble composure and pioneering

449

00:25:29,430 --> 00:25:27,520

leadership in setting a bold new course

450

00:25:31,190 --> 00:25:29,440

for space exploration

451

00:25:33,269 --> 00:25:31,200

the imprint he left on the surface of

452

00:25:35,430 --> 00:25:33,279

the moon and the story of human history

453

00:25:37,430 --> 00:25:35,440

is matched only by the extraordinary

454

00:25:39,590 --> 00:25:37,440

mark he left on the hearts of all

455

00:25:41,909 --> 00:25:39,600

americans unquote

456

00:25:43,590 --> 00:25:41,919

this wonderful center continues to blaze

457

00:25:45,430 --> 00:25:43,600

new trails in aeronautics and the

458

00:25:46,789 --> 00:25:45,440

technologies that support our path to

459

00:25:49,029 --> 00:25:46,799

mars

460

00:25:50,870 --> 00:25:49,039

its earth science work has immediate

461

00:25:51,909 --> 00:25:50,880

value for understanding our changing

462

00:25:53,990 --> 00:25:51,919

planet

463

00:25:55,830 --> 00:25:54,000

and it also supports our broader science

464

00:25:58,310 --> 00:25:55,840

portfolio and the human space flight

465

00:26:00,149 --> 00:25:58,320

program which even now is reaching for

466

00:26:01,669 --> 00:26:00,159

new destinations

467

00:26:03,750 --> 00:26:01,679

i know hugh dryden would have been

468

00:26:05,750 --> 00:26:03,760

amazed at the range of activities this

469

00:26:08,149 --> 00:26:05,760

center is involved in now

470

00:26:10,070 --> 00:26:08,159

neil armstrong would be proud

471

00:26:11,909 --> 00:26:10,080

to be so intimately connected to this

472

00:26:16,230 --> 00:26:11,919

center where he served as a research

473

00:26:18,549 --> 00:26:16,240

pilot from 1955 to 1962 and was part of

474

00:26:21,029 --> 00:26:18,559

the team that conceptualized and tested

475

00:26:22,830 --> 00:26:21,039

the lunar landing training vehicle

476

00:26:25,590 --> 00:26:22,840

neil may be remembered best as an

477

00:26:28,549 --> 00:26:25,600

astronaut but he never forgot his navy

478

00:26:30,950 --> 00:26:28,559

roots and naval aviation heritage as he

479

00:26:32,950 --> 00:26:30,960

lived out his life as an active member

480

00:26:34,390 --> 00:26:32,960

of the golden eagles

481

00:26:37,350 --> 00:26:34,400

i cannot think

482

00:26:39,590 --> 00:26:37,360

of a more appropriate way to honor neil

483

00:26:41,510 --> 00:26:39,600

who broadened our understanding and

484

00:26:42,870 --> 00:26:41,520

achievements in aeronautics and space

485

00:26:44,710 --> 00:26:42,880

exploration

486

00:26:48,710 --> 00:26:44,720

then to name this center for him where

487

00:26:50,470 --> 00:26:48,720

he worked at his first passion aviation

488

00:26:52,630 --> 00:26:50,480

similarly the center's western

489

00:26:55,269 --> 00:26:52,640

aeronautical test range becomes the huel

490

00:26:56,870 --> 00:26:55,279

dryden aeronautical test range

491

00:26:58,070 --> 00:26:56,880

it's a place where the planes of

492

00:27:00,310 --> 00:26:58,080

tomorrow

493

00:27:02,710 --> 00:27:00,320

so passionately studied and promoted by

494

00:27:04,710 --> 00:27:02,720

hugh dryden from his childhood onward

495

00:27:08,149 --> 00:27:04,720

take flight toward the future

496

00:27:09,510 --> 00:27:08,159

and i will take the the the i'll take

497

00:27:11,510 --> 00:27:09,520

the opportunity to

498

00:27:12,470 --> 00:27:11,520

come off my script here to say something

499

00:27:14,789 --> 00:27:12,480

about

500

00:27:17,909 --> 00:27:14,799

uh what this naming means to the

501
00:27:20,070 --> 00:27:17,919
employees at uh at the dryden test range

502
00:27:22,310 --> 00:27:20,080
you know up until now uh its name was

503
00:27:23,669 --> 00:27:22,320
the western flight test range or

504
00:27:27,110 --> 00:27:23,679
something like that

505
00:27:28,870 --> 00:27:27,120
uh when i talk to folk out here

506
00:27:32,389 --> 00:27:28,880
they talk of the excitement of the

507
00:27:34,389 --> 00:27:32,399
employees at the dryden test range

508
00:27:37,269 --> 00:27:34,399
and finally being able to identify with

509
00:27:39,990 --> 00:27:37,279
an american icon and an aviation pioneer

510
00:27:42,789 --> 00:27:40,000
so that's a big deal for the folk who

511
00:27:45,190 --> 00:27:42,799
are now at the dryden test range

512
00:27:52,149 --> 00:27:45,200
both dryden and armstrong you can you

513
00:27:56,389 --> 00:27:54,470

both dryden and armstrong are pioneers

514

00:27:58,870 --> 00:27:56,399

whose contributions to nasa and our

515

00:28:00,630 --> 00:27:58,880

nation are unequaled this renaming is a

516

00:28:03,590 --> 00:28:00,640

fitting tribute that honors both their

517

00:28:05,669 --> 00:28:03,600

legacies uh and before i present the

518

00:28:07,430 --> 00:28:05,679

first montage to the to the dryden

519

00:28:10,630 --> 00:28:07,440

family i do want to take an opportunity

520

00:28:12,789 --> 00:28:10,640

to to talk about why we're here

521

00:28:14,149 --> 00:28:12,799

and why hugh dryden and neil armstrong

522

00:28:15,350 --> 00:28:14,159

came here they weren't thinking about

523

00:28:16,870 --> 00:28:15,360

themselves they weren't even thinking

524

00:28:18,389 --> 00:28:16,880

about that day

525

00:28:19,510 --> 00:28:18,399

they were thinking about the distant

526
00:28:20,950 --> 00:28:19,520
future

527
00:28:22,549 --> 00:28:20,960
and uh

528
00:28:24,230 --> 00:28:22,559
you know eric

529
00:28:25,510 --> 00:28:24,240
thank you for representing your family

530
00:28:27,269 --> 00:28:25,520
and i know you're going to come up in a

531
00:28:29,190 --> 00:28:27,279
moment but but i want to thank you for

532
00:28:30,549 --> 00:28:29,200
bringing you know logan matthew and

533
00:28:32,389 --> 00:28:30,559
tristan out to

534
00:28:33,830 --> 00:28:32,399
to have an opportunity to be here to

535
00:28:36,630 --> 00:28:33,840
celebrate

536
00:28:38,630 --> 00:28:36,640
their great granddad this is a big deal

537
00:28:41,029 --> 00:28:38,640
guys

538
00:28:42,070 --> 00:28:41,039

i know i i asked i think now let me see

539

00:28:43,350 --> 00:28:42,080

you're

540

00:28:49,269 --> 00:28:43,360

matthew

541

00:28:50,870 --> 00:28:49,279

what brings you out here today and i

542

00:28:52,549 --> 00:28:50,880

didn't know who he was

543

00:28:53,990 --> 00:28:52,559

and he was really quiet he didn't say

544

00:28:56,630 --> 00:28:54,000

anything i said yeah i know your mom

545

00:28:59,110 --> 00:28:56,640

said you had to come he said yeah

546

00:29:01,510 --> 00:28:59,120

well matthew this is why your mom said

547

00:29:03,669 --> 00:29:01,520

you have to come because this is a big

548

00:29:06,389 --> 00:29:03,679

day for the dryden family so thanks very

549

00:29:08,070 --> 00:29:06,399

much for listening to your mom uh logan

550

00:29:10,389 --> 00:29:08,080

and tristan thanks to you all for

551
00:29:11,909 --> 00:29:10,399
listening to your mom and being here uh

552
00:29:14,070 --> 00:29:11,919
thanks to all of you in the dryden

553
00:29:16,470 --> 00:29:14,080
family and now i'd like to present a

554
00:29:18,710 --> 00:29:16,480
montage to the dryden family uh with the

555
00:29:23,669 --> 00:29:18,720
signed bill uh that that senator

556
00:29:23,679 --> 00:29:27,909
yeah you never know uh

557
00:29:32,070 --> 00:29:29,909
and let me tell you that was not a plug

558
00:29:35,510 --> 00:29:32,080
that was not in anything because i i get

559
00:29:38,070 --> 00:29:35,520
in big trouble if i do that so that was

560
00:29:39,990 --> 00:29:38,080
a slip

561
00:29:41,510 --> 00:29:40,000
but eric if you would come up right now

562
00:30:04,470 --> 00:29:41,520
i'd like to make a presentation to you

563
00:30:07,830 --> 00:30:05,990

well i'd like to thank

564

00:30:09,750 --> 00:30:07,840

the administrator and all of nasa for

565

00:30:12,070 --> 00:30:09,760

inviting our family here

566

00:30:13,830 --> 00:30:12,080

we certainly have enjoyed uh spending

567

00:30:15,909 --> 00:30:13,840

the day with the armstrong family

568

00:30:18,310 --> 00:30:15,919

yesterday and touring this amazing

569

00:30:19,830 --> 00:30:18,320

facility uh

570

00:30:21,990 --> 00:30:19,840

i've never been here before i was too

571

00:30:24,950 --> 00:30:22,000

young when the first dedication

572

00:30:26,950 --> 00:30:24,960

ceremony took place

573

00:30:27,909 --> 00:30:26,960

it has been an absolute honor

574

00:30:30,310 --> 00:30:27,919

to

575

00:30:32,549 --> 00:30:30,320

share the dryden name

576

00:30:34,710 --> 00:30:32,559

with this amazing test facility

577

00:30:35,830 --> 00:30:34,720

and all of the employees here at nasa

578

00:30:37,669 --> 00:30:35,840

for the

579

00:30:39,830 --> 00:30:37,679

past 38 years

580

00:30:43,909 --> 00:30:39,840

i knew my grandfather for

581

00:30:45,510 --> 00:30:43,919

five months before he passed away

582

00:30:46,870 --> 00:30:45,520

i do know that he would be extremely

583

00:30:49,190 --> 00:30:46,880

proud

584

00:30:51,430 --> 00:30:49,200

and honored to

585

00:30:55,430 --> 00:30:51,440

pass the torch so to speak

586

00:30:56,870 --> 00:30:55,440

to an amazing engineer test pilot

587

00:30:58,310 --> 00:30:56,880

astronaut

588

00:31:01,430 --> 00:30:58,320

a true

589

00:31:03,190 --> 00:31:01,440

aerospace pioneer neil armstrong thank

590

00:31:13,830 --> 00:31:03,200

you very much for allowing us to share

591

00:31:16,630 --> 00:31:15,590

eric thanks very much for your remarks

592

00:31:18,870 --> 00:31:16,640

and

593

00:31:20,230 --> 00:31:18,880

as i get ready to move to the to the

594

00:31:21,990 --> 00:31:20,240

armstrong family

595

00:31:23,669 --> 00:31:22,000

kelly i want to thank you again you know

596

00:31:27,190 --> 00:31:23,679

kaylee and i were together in anacortes

597

00:31:29,110 --> 00:31:27,200

washington jesus a month or two ago

598

00:31:32,230 --> 00:31:29,120

uh when kaylee also sang the national

599

00:31:35,350 --> 00:31:32,240

anthem at the at the christening of of

600

00:31:36,950 --> 00:31:35,360

uh a naval research vessel named for her

601
00:31:39,830 --> 00:31:36,960
dad and it was at that time that i

602
00:31:41,669 --> 00:31:39,840
learned of her incredible voice

603
00:31:44,230 --> 00:31:41,679
and it was even better today so i know

604
00:31:46,470 --> 00:31:44,240
you're i was watching your father beam

605
00:31:48,230 --> 00:31:46,480
uh with pride as you saying they

606
00:31:50,630 --> 00:31:48,240
sometimes she told me they sing together

607
00:31:52,230 --> 00:31:50,640
i think she got it from him so so kaylee

608
00:31:54,630 --> 00:31:52,240
thank you very much

609
00:31:56,070 --> 00:31:54,640
i um i i'm gonna sort of close out

610
00:31:58,549 --> 00:31:56,080
because i have a letter from president

611
00:32:00,389 --> 00:31:58,559
obama commemorating this occasion and

612
00:32:02,310 --> 00:32:00,399
the contributions of these two men to

613
00:32:04,630 --> 00:32:02,320

our national life that i'd like to read

614

00:32:05,990 --> 00:32:04,640

now and um and

615

00:32:07,269 --> 00:32:06,000

the letter is actually on one of the

616

00:32:09,909 --> 00:32:07,279

plaques i'm going to present so i'm

617

00:32:11,350 --> 00:32:09,919

reading from that from my paper

618

00:32:13,269 --> 00:32:11,360

and i quote

619

00:32:15,830 --> 00:32:13,279

i extend my warmest wishes to the

620

00:32:17,830 --> 00:32:15,840

armstrong family and all those gathered

621

00:32:19,750 --> 00:32:17,840

at the ul dryden flight research center

622

00:32:21,990 --> 00:32:19,760

in edwards california

623

00:32:24,230 --> 00:32:22,000

as as it becomes the neil a armstrong

624

00:32:26,149 --> 00:32:24,240

flight research center with one small

625

00:32:28,310 --> 00:32:26,159

step neil armstrong captured the hope

626

00:32:31,269 --> 00:32:28,320

and resolve of our nation making a

627

00:32:33,669 --> 00:32:31,279

historic milestone for mankind he helped

628

00:32:35,990 --> 00:32:33,679

renew america's commitment to innovation

629

00:32:37,990 --> 00:32:36,000

and exploration as he and his colleagues

630

00:32:39,430 --> 00:32:38,000

at nasa pushed the very boundaries of

631

00:32:41,430 --> 00:32:39,440

science in space

632

00:32:43,909 --> 00:32:41,440

they showed us that anything is possible

633

00:32:45,990 --> 00:32:43,919

with enough drive and imagination and

634

00:32:47,190 --> 00:32:46,000

that the sky is no limit for what we can

635

00:32:49,110 --> 00:32:47,200

achieve

636

00:32:51,350 --> 00:32:49,120

a true american hero

637

00:32:52,310 --> 00:32:51,360

kneel reflected the best of our nation's

638

00:32:55,110 --> 00:32:52,320

spirit

639

00:32:57,110 --> 00:32:55,120

not only in space but also here on earth

640

00:32:59,350 --> 00:32:57,120

he served with uneven unwavering

641

00:33:02,389 --> 00:32:59,360

patriotism in the korean war and applied

642

00:33:04,470 --> 00:33:02,399

his talents to public service at nasa

643

00:33:07,269 --> 00:33:04,480

his leadership in business and academia

644

00:33:09,430 --> 00:33:07,279

empowered so many to use science as a

645

00:33:11,590 --> 00:33:09,440

means to reach their dreams and his

646

00:33:14,789 --> 00:33:11,600

powerful example continues to challenge

647

00:33:16,710 --> 00:33:14,799

us all to set our sights on new horizons

648

00:33:18,950 --> 00:33:16,720

i was pleased to sign into law the

649

00:33:21,269 --> 00:33:18,960

legislation that renamed this special

650

00:33:24,230 --> 00:33:21,279

facility where neil armstrong once

651
00:33:25,750 --> 00:33:24,240
worked in his honor and i am pleased to

652
00:33:28,310 --> 00:33:25,760
join in celebrating the legacy of

653
00:33:30,710 --> 00:33:28,320
another aerospace icon who paved the way

654
00:33:32,870 --> 00:33:30,720
for neal and so many others as the

655
00:33:35,350 --> 00:33:32,880
western aeronautical test range recently

656
00:33:38,310 --> 00:33:35,360
became the hugh l dryden aeronautical

657
00:33:41,350 --> 00:33:38,320
test range congratulations to the entire

658
00:33:43,990 --> 00:33:41,360
armstrong family may this rededication

659
00:33:46,710 --> 00:33:44,000
rededicated center inspire all those

660
00:33:49,190 --> 00:33:46,720
committed to reaching ever higher sign

661
00:33:51,669 --> 00:33:49,200
barack obama now i'd like to present

662
00:33:53,190 --> 00:33:51,679
this montage to the armstrong family

663
00:33:54,549 --> 00:33:53,200

with the president's signed letter and

664

00:33:56,470 --> 00:33:54,559

rick and mark i think both of you are

665

00:34:41,190 --> 00:33:56,480

going to come up they're going to do a

666

00:34:45,829 --> 00:34:43,669

we're grateful to be here today

667

00:34:47,510 --> 00:34:45,839

in the celebration with administrator

668

00:34:50,310 --> 00:34:47,520

bolden

669

00:34:52,389 --> 00:34:50,320

distinguished members of government

670

00:34:53,829 --> 00:34:52,399

and the families of dryden

671

00:34:55,349 --> 00:34:53,839

and thompson

672

00:34:56,790 --> 00:34:55,359

and walker

673

00:34:58,950 --> 00:34:56,800

and fullerton

674

00:35:03,190 --> 00:34:58,960

and dana

675

00:35:05,190 --> 00:35:03,200

and so many others past and present

676
00:35:07,030 --> 00:35:05,200
that make this flight research center

677
00:35:09,109 --> 00:35:07,040
the inspiring place

678
00:35:15,990 --> 00:35:09,119
that it has been

679
00:35:19,750 --> 00:35:17,829
in 1939

680
00:35:22,230 --> 00:35:19,760
a brilliant mathematician and

681
00:35:23,829 --> 00:35:22,240
aerodynamics researcher by the name of

682
00:35:26,390 --> 00:35:23,839
hugh dryden

683
00:35:29,990 --> 00:35:26,400
became a member of the national advisory

684
00:35:32,550 --> 00:35:30,000
committee for aeronautics

685
00:35:34,630 --> 00:35:32,560
about the same time

686
00:35:37,109 --> 00:35:34,640
that a young boy from ohio

687
00:35:39,829 --> 00:35:37,119
was learning to build model airplanes

688
00:35:42,630 --> 00:35:39,839

out of paper and balsa wood

689

00:35:44,470 --> 00:35:42,640

and using an x-acto knife

690

00:35:47,430 --> 00:35:44,480

to make small alterations in the

691

00:35:53,030 --> 00:35:49,829

from that time onward

692

00:35:56,150 --> 00:35:53,040

both shared the same goal

693

00:35:57,589 --> 00:35:56,160

to design airplanes that would go higher

694

00:36:01,990 --> 00:35:57,599

and faster

695

00:36:07,510 --> 00:36:05,109

hugh helped to create and define

696

00:36:09,990 --> 00:36:07,520

this amazing place

697

00:36:11,910 --> 00:36:10,000

a center for excellence

698

00:36:15,190 --> 00:36:11,920

where the where this sort of flight

699

00:36:18,069 --> 00:36:15,200

research could be achieved

700

00:36:19,990 --> 00:36:18,079

but he would need pilots

701
00:36:21,910 --> 00:36:20,000
meanwhile

702
00:36:24,470 --> 00:36:21,920
neil came to the conclusion

703
00:36:27,270 --> 00:36:24,480
that he would need to become a pilot

704
00:36:30,550 --> 00:36:27,280
to really understand how to design a

705
00:36:35,510 --> 00:36:33,910
so you see it is right and good

706
00:36:40,550 --> 00:36:35,520
that these two men

707
00:36:44,870 --> 00:36:42,790
may this center flourish

708
00:36:45,990 --> 00:36:44,880
as long as we have the dreams to fly

709
00:36:48,470 --> 00:36:46,000
faster

710
00:36:50,470 --> 00:36:48,480
and farther than ever before

711
00:37:13,349 --> 00:36:50,480
and to make real

712
00:37:16,710 --> 00:37:14,950
on behalf of the family

713
00:37:18,710 --> 00:37:16,720

i would like to thank you all for very

714

00:37:20,150 --> 00:37:18,720

much for coming out to the desert this

715

00:37:22,550 --> 00:37:20,160

morning

716

00:37:25,349 --> 00:37:22,560

the renaming of this facility to the

717

00:37:27,670 --> 00:37:25,359

nasa armstrong flight research center

718

00:37:31,510 --> 00:37:27,680

touches directly on two of dad's

719

00:37:32,950 --> 00:37:31,520

passions flying and engineering

720

00:37:34,950 --> 00:37:32,960

if you could have just worked a golf

721

00:37:39,670 --> 00:37:34,960

course in there somewhere

722

00:37:42,630 --> 00:37:41,829

in preparation for this event i've been

723

00:37:44,710 --> 00:37:42,640

uh

724

00:37:47,190 --> 00:37:44,720

reading a few books on the work that

725

00:37:49,109 --> 00:37:47,200

went on here back in the day

726

00:37:50,710 --> 00:37:49,119

one phrase i've encountered a number of

727

00:37:52,550 --> 00:37:50,720

times was

728

00:37:55,430 --> 00:37:52,560

has to do with an airplane that has a

729

00:37:57,430 --> 00:37:55,440

low lift drag ratio

730

00:37:59,829 --> 00:37:57,440

and i remembered something from when i

731

00:38:03,030 --> 00:37:59,839

was about 10.

732

00:38:05,030 --> 00:38:03,040

on dad's desk in our house in houston

733

00:38:06,470 --> 00:38:05,040

sitting amongst the various airplane

734

00:38:09,589 --> 00:38:06,480

models

735

00:38:11,349 --> 00:38:09,599

was a white block on a stand

736

00:38:14,630 --> 00:38:11,359

it had two little rectangles sticking

737

00:38:17,670 --> 00:38:14,640

out of the side kind of like wings

738

00:38:22,150 --> 00:38:19,270

on the on the end of the

739

00:38:25,349 --> 00:38:22,160

of the block were the letters l slash d

740

00:38:28,950 --> 00:38:27,349

i asked him what that meant

741

00:38:33,910 --> 00:38:28,960

and he said

742

00:38:37,109 --> 00:38:35,990

that explanation made no sense to me at

743

00:38:40,950 --> 00:38:37,119

the time

744

00:38:45,990 --> 00:38:43,670

of course dad is typically thought of

745

00:38:48,069 --> 00:38:46,000

as a pilot and an astronaut but as he

746

00:38:52,150 --> 00:38:48,079

has said on a number of times

747

00:38:54,470 --> 00:38:52,160

he considered himself an engineer first

748

00:38:56,470 --> 00:38:54,480

in one speech he said

749

00:38:59,510 --> 00:38:56,480

science is about what is

750

00:39:01,589 --> 00:38:59,520

engineering is about what can be

751

00:39:03,829 --> 00:39:01,599

i can assure you that he applied that

752

00:39:05,750 --> 00:39:03,839

engineering methodology to many things

753

00:39:07,750 --> 00:39:05,760

in his life

754

00:39:10,790 --> 00:39:07,760

for example

755

00:39:12,790 --> 00:39:10,800

when we lived up in juniper hills

756

00:39:15,829 --> 00:39:12,800

there are a number of stories about dad

757

00:39:17,910 --> 00:39:15,839

and his various cars

758

00:39:20,310 --> 00:39:17,920

one in particular has to do with the 47

759

00:39:22,069 --> 00:39:20,320

dodge that he found broken down by the

760

00:39:23,510 --> 00:39:22,079

side of the road

761

00:39:25,750 --> 00:39:23,520

it turned out that it belonged to

762

00:39:28,390 --> 00:39:25,760

someone here on the base and he found

763

00:39:30,470 --> 00:39:28,400

him and bought it for fifty dollars

764

00:39:32,950 --> 00:39:30,480

he intended to rebuild the engine and

765

00:39:35,030 --> 00:39:32,960

used it to carpool to work

766

00:39:36,390 --> 00:39:35,040

it was a good plan

767

00:39:37,910 --> 00:39:36,400

however

768

00:39:39,349 --> 00:39:37,920

according to my mom

769

00:39:43,349 --> 00:39:39,359

dad didn't really know much about

770

00:39:46,710 --> 00:39:44,870

perhaps he thought that he was an

771

00:39:50,550 --> 00:39:46,720

engineer and

772

00:40:04,630 --> 00:39:51,270

he

773

00:40:07,910 --> 00:40:04,640

newspaper

774

00:40:11,510 --> 00:40:07,920

on the floor in our house

775

00:40:12,790 --> 00:40:11,520

in the order that they came off

776

00:40:15,589 --> 00:40:12,800

that way he knew how to put it back

777

00:40:19,829 --> 00:40:17,510

no problem well

778

00:40:21,430 --> 00:40:19,839

it was a pretty small house

779

00:40:22,309 --> 00:40:21,440

it's more of a cabin

780

00:40:26,870 --> 00:40:22,319

and

781

00:40:31,990 --> 00:40:29,670

think things on the floor yeah

782

00:40:33,349 --> 00:40:32,000

i have no doubt that i was admonished

783

00:40:36,230 --> 00:40:33,359

frequently

784

00:40:37,990 --> 00:40:36,240

not to touch anything because if i the

785

00:40:40,069 --> 00:40:38,000

parts got out of order and all that was

786

00:40:41,589 --> 00:40:40,079

going to be bad

787

00:40:45,030 --> 00:40:41,599

to this day

788

00:40:49,190 --> 00:40:45,040

if i see something on a towel

789

00:40:49,200 --> 00:40:53,910

even if i put it there

790

00:40:57,670 --> 00:40:55,750

how long did this whole operation take

791

00:40:59,750 --> 00:40:57,680

you might have

792

00:41:02,309 --> 00:40:59,760

about a year

793

00:41:04,390 --> 00:41:02,319

so that might qualify as a miracle

794

00:41:06,390 --> 00:41:04,400

as far as i'm concerned or maybe it's

795

00:41:10,550 --> 00:41:06,400

just another example of looking at

796

00:41:14,390 --> 00:41:12,390

as you saw in the clip dad liked to come

797

00:41:15,510 --> 00:41:14,400

here now and then and just hang out and

798

00:41:18,069 --> 00:41:15,520

talk about

799

00:41:20,470 --> 00:41:18,079

what was what was going on what was new

800

00:41:23,670 --> 00:41:20,480

and i like to think with this renaming

801

00:41:25,670 --> 00:41:23,680

that it will be even easier for him to

802

00:41:27,990 --> 00:41:25,680

keep track of what's going on in the

803

00:41:30,309 --> 00:41:28,000

world of flight research

804

00:41:32,150 --> 00:41:30,319

i also hope it will inspire others

805

00:41:35,109 --> 00:41:32,160

particularly young people

806

00:41:37,910 --> 00:41:35,119

to want to learn more about the stem

807

00:41:40,069 --> 00:41:37,920

fields so that one day they can achieve

808

00:41:42,710 --> 00:41:40,079

great things just as those here at the

809

00:41:45,829 --> 00:41:42,720

flight research center have been doing

810

00:41:49,910 --> 00:41:46,829

i'd like to

811

00:41:52,069 --> 00:41:49,920

close with this a year or so ago i was

812

00:41:54,390 --> 00:41:52,079

talking with my with my daughter about

813

00:41:55,750 --> 00:41:54,400

dad she was about 12.

814

00:41:57,190 --> 00:41:55,760

and she said

815

00:41:58,870 --> 00:41:57,200

you know one thing i remember about

816

00:42:01,190 --> 00:41:58,880

grandpa neil

817

00:42:03,990 --> 00:42:01,200

every time an airplane flew over he

818

00:42:27,670 --> 00:42:04,000

would look up at it

819

00:42:31,190 --> 00:42:29,270

thank you thank you to

820

00:42:33,510 --> 00:42:31,200

senator knight congressman mccarthy

821

00:42:34,470 --> 00:42:33,520

general bolden the armstrong and dryden

822

00:42:36,150 --> 00:42:34,480

families

823

00:42:38,630 --> 00:42:36,160

also want to take a moment to thank

824

00:42:39,910 --> 00:42:38,640

another group the air force museum they

825

00:42:42,870 --> 00:42:39,920

went through a lot of effort to get the

826

00:42:45,109 --> 00:42:42,880

replica x-15 put together for this event

827

00:42:52,150 --> 00:42:45,119

so thank you to their efforts and the

828

00:42:56,630 --> 00:42:54,069

like our air force counterparts at murak

829

00:42:58,470 --> 00:42:56,640

and later edwards air force base

830

00:43:01,349 --> 00:42:58,480

through the years this place this center

831

00:43:03,990 --> 00:43:01,359

has gone through many many name changes

832

00:43:06,069 --> 00:43:04,000

it was founded as the national national

833

00:43:08,470 --> 00:43:06,079

advisory committee for aeronautics naca

834

00:43:10,470 --> 00:43:08,480

langley memorial laboratory murak field

835

00:43:12,309 --> 00:43:10,480

unit in 1946

836

00:43:14,069 --> 00:43:12,319

this was langley's high-speed flight

837

00:43:16,309 --> 00:43:14,079

station fueled to advance the

838

00:43:18,630 --> 00:43:16,319

postulation that man could in fact

839

00:43:20,069 --> 00:43:18,640

travel faster than the speed of sound

840

00:43:22,150 --> 00:43:20,079

since that time

841

00:43:24,150 --> 00:43:22,160

we've been called for naca the murak

842

00:43:26,390 --> 00:43:24,160

blight test unit the high speed plate

843

00:43:27,349 --> 00:43:26,400

research station the high-speed flight

844

00:43:29,190 --> 00:43:27,359

station

845

00:43:31,030 --> 00:43:29,200

after the establishment of nasa we were

846

00:43:33,589 --> 00:43:31,040

called the flight research center in

847

00:43:36,470 --> 00:43:33,599

1976 we were very honored to be named

848

00:43:39,030 --> 00:43:36,480

the ql dryden flight research center

849

00:43:41,190 --> 00:43:39,040

subsequently the ames research center ul

850

00:43:42,950 --> 00:43:41,200

dryden flight research facility

851
00:43:44,470 --> 00:43:42,960
back to the huel dryden flight research

852
00:43:46,630 --> 00:43:44,480
center and now we are honored to be

853
00:43:48,309 --> 00:43:46,640
called the neil a armstrong flight

854
00:43:50,309 --> 00:43:48,319
research center

855
00:43:51,349 --> 00:43:50,319
this change is an immense honor for the

856
00:43:52,870 --> 00:43:51,359
center

857
00:43:54,710 --> 00:43:52,880
neil armstrong was the first man to

858
00:43:57,430 --> 00:43:54,720
stand on the moon he was also an

859
00:43:59,829 --> 00:43:57,440
engineer a research test pilot

860
00:44:01,670 --> 00:43:59,839
at this center for naca and nasa

861
00:44:04,790 --> 00:44:01,680
throughout our history with naca and

862
00:44:06,470 --> 00:44:04,800
nasa are ties to the agency and name of

863
00:44:09,430 --> 00:44:06,480

change but throughout all the changes

864

00:44:11,990 --> 00:44:09,440

the work we do remains consistent

865

00:44:14,470 --> 00:44:12,000

we feel fulfill a national need for our

866

00:44:17,030 --> 00:44:14,480

capabilities and competencies our role

867

00:44:18,950 --> 00:44:17,040

throughout the our history is and has

868

00:44:20,870 --> 00:44:18,960

been the integration of complex flight

869

00:44:23,750 --> 00:44:20,880

systems in their safe test and flight

870

00:44:25,430 --> 00:44:23,760

operations though we've diversified from

871

00:44:27,109 --> 00:44:25,440

our traditional aeronautics base the

872

00:44:29,910 --> 00:44:27,119

work we continue to do in science and

873

00:44:31,510 --> 00:44:29,920

space exploration utilizes our abilities

874

00:44:33,190 --> 00:44:31,520

to understand the problem and its

875

00:44:36,230 --> 00:44:33,200

connection to flight and understand the

876
00:44:38,710 --> 00:44:36,240
vehicle and to safely clear the envelope

877
00:44:41,030 --> 00:44:38,720
so to you in the back the employees of

878
00:44:42,790 --> 00:44:41,040
dryden and now the armstrong team

879
00:44:44,950 --> 00:44:42,800
we have the ability to make complex

880
00:44:46,230 --> 00:44:44,960
systems work safely and that will not

881
00:44:48,069 --> 00:44:46,240
change

882
00:44:50,069 --> 00:44:48,079
the successful completion of our mission

883
00:44:51,670 --> 00:44:50,079
requires all of you working as a in a

884
00:44:53,670 --> 00:44:51,680
coordinated manner

885
00:44:55,829 --> 00:44:53,680
pilots and engineers mechanics and

886
00:44:58,309 --> 00:44:55,839
technicians administrative finance

887
00:44:59,990 --> 00:44:58,319
facilities legal acquisition security

888
00:45:00,710 --> 00:45:00,000

and communications it requires all of

889

00:45:02,470 --> 00:45:00,720

you

890

00:45:04,710 --> 00:45:02,480

to fulfill our mission

891

00:45:07,750 --> 00:45:04,720

so to you the current employees

892

00:45:08,870 --> 00:45:07,760

of armstrong its retired alumni

893

00:45:10,550 --> 00:45:08,880

and the future

894

00:45:11,670 --> 00:45:10,560

employees whose careers have not yet

895

00:45:12,950 --> 00:45:11,680

begun

896

00:45:15,430 --> 00:45:12,960

you will be remembered for the

897

00:45:17,510 --> 00:45:15,440

contributions to the advancement of

898

00:45:19,430 --> 00:45:17,520

aerospace and our care for the planet

899

00:45:22,069 --> 00:45:19,440

earth and our exploration for the solar

900

00:45:24,390 --> 00:45:22,079

system of beyond your contributions and

901
00:45:25,990 --> 00:45:24,400
impacts will be felt now is the time for

902
00:45:28,550 --> 00:45:26,000
change and now is the time to commit to

903
00:45:29,670 --> 00:45:28,560
our existing vision missions and values

904
00:45:32,950 --> 00:45:29,680
we fly

905
00:45:35,190 --> 00:45:32,960
we explore we measure we reveal and we

906
00:45:36,870 --> 00:45:35,200
discover the overlooked and unexpected

907
00:45:46,870 --> 00:45:36,880
for the benefit of the nation and for

908
00:45:50,309 --> 00:45:48,390
at this time i'd like to invite everyone

909
00:45:52,630 --> 00:45:50,319
to join us outside out in front of the

910
00:45:55,510 --> 00:45:52,640
building 4 800. we'll have a flyby and a

911
00:45:56,790 --> 00:45:55,520
commemorative unveiling of our new sign

912
00:45:58,230 --> 00:45:56,800
if you'll

913
00:46:00,550 --> 00:45:58,240

leave through the the doors to your

914

00:46:02,069 --> 00:46:00,560

right came in come leave the way you

915

00:46:04,150 --> 00:46:02,079

came in and gather out front in front of

916

00:46:06,230 --> 00:46:04,160

the white x1e

917

00:46:08,630 --> 00:46:06,240

be careful on the on the loose rocks