



1  
00:00:17,679 --> 00:00:15,589  
good morning everybody hear me okay

2  
00:00:20,470 --> 00:00:17,689  
everybody hear me good

3  
00:00:23,620 --> 00:00:20,480  
my name is Thad Altman I'm president of

4  
00:00:26,259 --> 00:00:23,630  
the astronaut Memorial Foundation this

5  
00:00:29,769 --> 00:00:26,269  
is a very very special day than 50 years

6  
00:00:33,250 --> 00:00:29,779  
ago we lost an American hero standing

7  
00:00:35,530 --> 00:00:33,260  
with me is Senator Tony Hill Tony is a

8  
00:00:38,680 --> 00:00:35,540  
dear friend been a great leader here in

9  
00:00:49,420 --> 00:00:38,690  
the state of Florida he is here to say a

10  
00:00:52,630 --> 00:00:49,430  
few words as well Tony good morning can

11  
00:00:54,579 --> 00:00:52,640  
you hear me in the back I was brother

12  
00:00:58,030 --> 00:00:54,589  
grant I was at a meeting a few weeks ago

13  
00:00:59,469 --> 00:00:58,040

and I asked someone could he hit me in

14

00:01:01,869 --> 00:00:59,479

the back in the guy on the front row

15

00:01:03,219 --> 00:01:01,879

said the guy said he couldn't hear the

16

00:01:06,190 --> 00:01:03,229

guy in the front row say hey you can

17

00:01:07,719 --> 00:01:06,200

have my seat in saying that come on

18

00:01:10,210 --> 00:01:07,729

y'all let's get excited we came to

19

00:01:16,929 --> 00:01:10,220

celebrate the day we came to celebrate a

20

00:01:19,719 --> 00:01:16,939

great hair roll and so first of all I

21

00:01:22,389 --> 00:01:19,729

want to thank said--and and Andrea for

22

00:01:24,069 --> 00:01:22,399

reaching out and making the call how

23

00:01:28,749 --> 00:01:24,079

many people here know that life is all

24

00:01:31,270 --> 00:01:28,759

about relationships well I can tell you

25

00:01:32,800 --> 00:01:31,280

that even though there was on the other

26

00:01:34,870 --> 00:01:32,810

side of the aisle and I was on the other

27

00:01:37,239 --> 00:01:34,880

one but we had a lot of things in common

28

00:01:39,309 --> 00:01:37,249

as we served in the Florida Legislature

29

00:01:43,029 --> 00:01:39,319

and of course he's still there in the

30

00:01:44,200 --> 00:01:43,039

legislature some time general Bolden you

31

00:01:46,929 --> 00:01:44,210

got to know when to hold and when to

32

00:01:48,760 --> 00:01:46,939

fold so we've moved on to some other

33

00:01:50,289 --> 00:01:48,770

things but let me do this because I want

34

00:01:51,550 --> 00:01:50,299

to honor your time and thank you so very

35

00:01:54,459 --> 00:01:51,560

much for coming for this auspicious

36

00:01:56,499 --> 00:01:54,469

occasion that's this morning I want to

37

00:02:00,249 --> 00:01:56,509

recognize a few people from our great

38

00:02:01,989 --> 00:02:00,259

fraternity that is here today again say

39

00:02:04,269 --> 00:02:01,999

thank you so very much for reaching out

40

00:02:07,209 --> 00:02:04,279

to us and letting us be a part of this

41

00:02:09,669 --> 00:02:07,219

historical event we have in the midst

42

00:02:12,490 --> 00:02:09,679

with us today our 40th Grand bachelor

43

00:02:16,360 --> 00:02:12,500

Tony Knox and brother nice will you

44

00:02:22,250 --> 00:02:16,370

stand and want to greet him

45

00:02:24,710 --> 00:02:22,260

also our first grand bachelors brother

46

00:02:27,290 --> 00:02:24,720

David Marin dr. David Marin is here from

47

00:02:31,400 --> 00:02:27,300

Mississippi and we're so glad to have

48

00:02:33,080 --> 00:02:31,410

him and then the former grands didn't

49

00:02:36,260 --> 00:02:33,090

think it was Robin so they showed up as

50

00:02:40,190 --> 00:02:36,270

well so we have a media pass grand

51  
00:02:43,309 --> 00:02:40,200  
basses Andrew is here from New York and

52  
00:02:46,400 --> 00:02:43,319  
we're so glad to have him we have a

53  
00:02:51,009 --> 00:02:46,410  
brother Miller grand bastards Miller's

54  
00:02:57,979 --> 00:02:55,220  
we have also brother past grand Lord is

55  
00:03:00,770 --> 00:02:57,989  
here counselor turning thank you so very

56  
00:03:02,000 --> 00:03:00,780  
much from DC and then we have brother

57  
00:03:08,390 --> 00:03:02,010  
grace

58  
00:03:10,670 --> 00:03:08,400  
thank you so very much and then at our

59  
00:03:12,770 --> 00:03:10,680  
regional and district level we have our

60  
00:03:17,870 --> 00:03:12,780  
district rep is here brother James

61  
00:03:21,860 --> 00:03:17,880  
Sistrunk from Atlanta Georgia we have

62  
00:03:25,970 --> 00:03:21,870  
our state rep here brother Wimbley

63  
00:03:28,520 --> 00:03:25,980

Clifford women II thank you so much and

64

00:03:30,289 --> 00:03:28,530

then I have my co partner who's from

65

00:03:32,539 --> 00:03:30,299

Jacksonville and from the Theta Phi

66

00:03:35,810 --> 00:03:32,549

chapter brother Woodall is here Kevin

67

00:03:38,690 --> 00:03:35,820

Woodall is here thank you so very much

68

00:03:41,569 --> 00:03:38,700

for reaching out we have a past

69

00:03:44,360 --> 00:03:41,579

immediate state rep brother Rutger is

70

00:03:48,349 --> 00:03:44,370

here where's brother Rocco I saw him

71

00:03:54,289 --> 00:03:48,359

early then we have brother Jones jr. who

72

00:03:57,800 --> 00:03:54,299

is here thank you so very much on my way

73

00:03:59,780 --> 00:03:57,810

back in I saw you know sometime we and a

74

00:04:01,099 --> 00:03:59,790

half American commuters say it really

75

00:04:04,190 --> 00:04:01,109

didn't happen unless you had the black

76

00:04:06,380 --> 00:04:04,200

media here well brother Henry is he here

77

00:04:08,960 --> 00:04:06,390

from the west side is there now we know

78

00:04:11,840 --> 00:04:08,970

this is we know this is official sister

79

00:04:14,629 --> 00:04:11,850

Laura and then we have a young man that

80

00:04:16,670 --> 00:04:14,639

kind of wrote the articles and got him

81

00:04:19,460 --> 00:04:16,680

excited and everything about they had

82

00:04:21,170 --> 00:04:19,470

forgot about brother lines a hero they

83

00:04:23,210 --> 00:04:21,180

had forgotten about and his name is Eric

84

00:04:24,330 --> 00:04:23,220

Johnson with the Chicago Crusader where

85

00:04:27,540 --> 00:04:24,340

is Eric

86

00:04:30,180 --> 00:04:27,550

it's an ass alright thank you so very

87

00:04:32,610 --> 00:04:30,190

much again on behalf of our grief return

88

00:04:34,320 --> 00:04:32,620

you were here from our grand basses in a

89

00:04:37,770 --> 00:04:34,330

few minutes but we want to say to you

90

00:04:40,920 --> 00:04:37,780

that into the the Space Center Memorial

91

00:04:49,110 --> 00:04:40,930

Foundation into the chair thank you for

92

00:04:51,120 --> 00:04:49,120

allowing us to participate today Thank

93

00:04:53,310 --> 00:04:51,130

You senator Hill thank you for all your

94

00:04:56,159 --> 00:04:53,320

good work and service to the people of

95

00:04:57,330 --> 00:04:56,169

Florida in our country now working in

96

00:04:59,219 --> 00:04:57,340

Congress

97

00:05:01,170 --> 00:04:59,229

our ceremony will begin with the

98

00:05:04,140 --> 00:05:01,180

presentation of the colors by the Viera

99

00:05:06,540 --> 00:05:04,150

high school ROTC then the national

100

00:05:09,060 --> 00:05:06,550

anthem sung by recording artist Marva

101  
00:06:12,150 --> 00:05:09,070  
King and the invocation provided by

102  
00:06:30,650 --> 00:06:21,470  
oh say can you see by the dawn's early

103  
00:06:35,460 --> 00:06:30,660  
light what so proudly we hail has the

104  
00:06:41,100 --> 00:06:35,470  
twilight's last gleaming whose broad

105  
00:06:52,980 --> 00:06:41,110  
stripes and bright stars through the

106  
00:07:02,220 --> 00:06:52,990  
perilous fight or the ramparts were so

107  
00:07:03,860 --> 00:07:02,230  
gallantly streaming and the Rockets

108  
00:07:09,370 --> 00:07:03,870  
[Music]

109  
00:07:27,490 --> 00:07:16,160  
gave proof through the night that our

110  
00:07:34,600 --> 00:07:32,500  
star-spangled banner

111  
00:07:50,260 --> 00:07:34,610  
[Music]

112  
00:07:50,270 --> 00:07:55,060  
Oh

113  
00:07:55,070 --> 00:07:58,370

bro

114

00:08:35,480 --> 00:08:03,510

[Music]

115

00:08:42,390 --> 00:08:40,020

let us pray eternal God our Father we

116

00:08:44,850 --> 00:08:42,400

thank you so much for this moment in

117

00:08:48,690 --> 00:08:44,860

history we thank you for those who have

118

00:08:52,080 --> 00:08:48,700

come from near and far we pray Heavenly

119

00:08:55,260 --> 00:08:52,090

Father that you would continue to guide

120

00:08:59,040 --> 00:08:55,270

us as a nation continue to allow us to

121

00:09:35,079 --> 00:08:59,050

celebrate as a people and unify us as

122

00:09:35,089 --> 00:09:47,230

thank you you may be seated

123

00:09:54,260 --> 00:09:51,650

in addition to honoring those astronauts

124

00:09:57,110 --> 00:09:54,270

who have made the ultimate sacrifice and

125

00:09:58,910 --> 00:09:57,120

service to their country the astronaut

126

00:10:02,150 --> 00:09:58,920

Memorial has what we call our living

127

00:10:04,700 --> 00:10:02,160

memorial Memorial where we inspire

128

00:10:09,590 --> 00:10:04,710

future rocket scientists and astronauts

129

00:10:12,260 --> 00:10:09,600

engineers technologists the building

130

00:10:14,330 --> 00:10:12,270

that you're in now is an example of this

131

00:10:16,220 --> 00:10:14,340

this is the Center for Space Education

132

00:10:19,100 --> 00:10:16,230

where we have tens of thousands of

133

00:10:22,190 --> 00:10:19,110

students from all over the country come

134

00:10:25,400 --> 00:10:22,200

in and out of this facility and learn

135

00:10:28,160 --> 00:10:25,410

about space experience to visit here and

136

00:10:32,360 --> 00:10:28,170

see space firsthand here at the Kennedy

137

00:10:34,190 --> 00:10:32,370

Space Center this this is part of the

138

00:10:37,040 --> 00:10:34,200

legacy of those astronauts who have

139

00:10:39,680 --> 00:10:37,050

given their lives and our main focus and

140

00:10:43,010 --> 00:10:39,690

mission is to keep the dream alive of

141

00:10:45,740 --> 00:10:43,020

human spaceflight so its students and

142

00:10:48,710 --> 00:10:45,750

teachers alike here to experience that

143

00:10:52,130 --> 00:10:48,720

to be inspired and to see America's

144

00:10:55,040 --> 00:10:52,140

space program I'd like to introduce you

145

00:10:58,130 --> 00:10:55,050

the chairman of the astronaut Memorial

146

00:11:01,010 --> 00:10:58,140

Foundation Eileen Collins Eileen has

147

00:11:03,410 --> 00:11:01,020

flown for Space Shuttle missions she's

148

00:11:05,510 --> 00:11:03,420

the first woman in history to be the

149

00:11:08,030 --> 00:11:05,520

commander of the space shuttle the first

150

00:11:11,570 --> 00:11:08,040

woman in history to land a vehicle back

151  
00:11:12,950 --> 00:11:11,580  
to earth after being in space Eileen has

152  
00:11:14,930 --> 00:11:12,960  
been a tireless leader of our

153  
00:11:22,290 --> 00:11:14,940  
organization has served us extremely

154  
00:11:29,330 --> 00:11:24,560  
[Applause]

155  
00:11:32,810 --> 00:11:29,340  
I thank you that and thank you Tony

156  
00:11:37,610 --> 00:11:32,820  
and also I here I want to thank our

157  
00:11:40,700 --> 00:11:37,620  
Junior Air Force ROTC unit and BBQing

158  
00:11:43,000 --> 00:11:40,710  
and Pastor wash for participating in our

159  
00:11:47,450 --> 00:11:43,010  
ceremony thank you very much

160  
00:11:49,610 --> 00:11:47,460  
so good morning to everyone and on

161  
00:11:53,180 --> 00:11:49,620  
behalf of our president Thad Altman and

162  
00:11:55,190 --> 00:11:53,190  
our board of directors I want to welcome

163  
00:11:59,060 --> 00:11:55,200

everyone here to the astronaut Memorial

164

00:12:01,730 --> 00:11:59,070

Foundation so this morning we're honored

165

00:12:04,580 --> 00:12:01,740

to have with us not only members of our

166

00:12:07,270 --> 00:12:04,590

board of directors but also astronauts

167

00:12:10,280 --> 00:12:07,280

government officials NASA officials and

168

00:12:11,930 --> 00:12:10,290

special guests so I'm going to take a

169

00:12:14,270 --> 00:12:11,940

few minutes to acknowledge some of these

170

00:12:16,030 --> 00:12:14,280

special guests and please stand when I

171

00:12:19,160 --> 00:12:16,040

read your name

172

00:12:26,210 --> 00:12:19,170

former Kennedy Space Center Director Jay

173

00:12:33,580 --> 00:12:26,220

Honeycutt and associate Kennedy Space

174

00:12:36,860 --> 00:12:33,590

Center director Kelvin Manning thank you

175

00:12:37,640 --> 00:12:36,870

and we have a past chairman of our board

176  
00:12:43,470 --> 00:12:37,650  
of directors

177  
00:12:48,780 --> 00:12:46,650  
I dr. Steve Feldman who's a longtime

178  
00:12:52,829 --> 00:12:48,790  
president of the astronaut Memorial

179  
00:13:02,610 --> 00:12:55,470  
Laura Shepard churchly daughter of

180  
00:13:05,460 --> 00:13:02,620  
astronaut Alan Shepard and we have

181  
00:13:14,509 --> 00:13:05,470  
former NASA astronauts here John McBride

182  
00:13:21,210 --> 00:13:18,960  
we have former Air Force mole which is

183  
00:13:22,970 --> 00:13:21,220  
the manned orbiting lab astronaut al

184  
00:13:26,860 --> 00:13:22,980  
Cruz

185  
00:13:29,080 --> 00:13:26,870  
[Applause]

186  
00:13:36,880 --> 00:13:29,090  
and we have a current NASA astronaut

187  
00:13:39,640 --> 00:13:36,890  
Stephanie Wilson and also the many

188  
00:13:41,440 --> 00:13:39,650

members of the Omega sci-fi fraternity

189

00:13:43,930 --> 00:13:41,450

our president with us here today as we

190

00:13:45,850 --> 00:13:43,940

know and they also brought some young

191

00:13:47,500 --> 00:13:45,860

people with them I understand to honor

192

00:13:49,630 --> 00:13:47,510

their fellow fraternity brother Robert

193

00:13:52,300 --> 00:13:49,640

Lawrence so would you please stand at

194

00:13:56,630 --> 00:13:52,310

this time and be recognized it includes

195

00:13:56,640 --> 00:14:04,010

[Applause]

196

00:14:10,190 --> 00:14:07,730

thank you and so finally and very

197

00:14:13,519 --> 00:14:10,200

important I want to recognize some of

198

00:14:15,949 --> 00:14:13,529

our astronaut Memorial Foundation family

199

00:14:17,060 --> 00:14:15,959

members who have a special place in our

200

00:14:19,370 --> 00:14:17,070

hearts

201  
00:14:20,130 --> 00:14:19,380  
Barbara Lawrence sister of Robert

202  
00:14:34,290 --> 00:14:20,140  
Lawrence

203  
00:14:38,620 --> 00:14:34,300  
extended family please rise and be

204  
00:14:38,630 --> 00:14:46,850  
[Applause]

205  
00:14:54,750 --> 00:14:50,970  
and we have Cheryl Chaffee daughter of

206  
00:14:57,350 --> 00:14:54,760  
the Apollo one astronaut Roger Chaffee

207  
00:15:02,280 --> 00:14:57,360  
[Applause]

208  
00:15:11,550 --> 00:15:02,290  
and Kathy scoby Fulghum daughter of

209  
00:15:15,960 --> 00:15:11,560  
challenger commander dick Scobee so

210  
00:15:17,460 --> 00:15:15,970  
thank you all for joining us today so

211  
00:15:21,690 --> 00:15:17,470  
I'm just gonna make a few very brief

212  
00:15:24,570 --> 00:15:21,700  
remarks before we start the program we

213  
00:15:27,720 --> 00:15:24,580

are here to remember in honor Major

214

00:15:30,740 --> 00:15:27,730

Robert Lawrence jr. United States Air

215

00:15:33,900 --> 00:15:30,750

Force for his service to our country and

216

00:15:36,870 --> 00:15:33,910

his contributions to aviation and space

217

00:15:38,460 --> 00:15:36,880

exploration we have many wonderful

218

00:15:40,800 --> 00:15:38,470

speakers here today which will be

219

00:15:42,540 --> 00:15:40,810

introduced later so I'm going to keep my

220

00:15:44,520 --> 00:15:42,550

comments short but it's very important

221

00:15:46,500 --> 00:15:44,530

for me to share with you the mission of

222

00:15:51,210 --> 00:15:46,510

the astronaut Memorial Foundation it

223

00:15:53,610 --> 00:15:51,220

reads we honor and memorialize those

224

00:15:57,270 --> 00:15:53,620

astronauts who have sacrificed their

225

00:16:01,190 --> 00:15:57,280

lives for the nation and for the space

226

00:16:04,710 --> 00:16:01,200

program by sponsoring the National Space

227

00:16:08,270 --> 00:16:04,720

Memorial mirror and by implementing

228

00:16:12,060 --> 00:16:08,280

innovative technology education programs

229

00:16:13,950 --> 00:16:12,070

so we honor our astronaut members by

230

00:16:16,460 --> 00:16:13,960

using their life's inspiration an

231

00:16:21,960 --> 00:16:16,470

example to better prepare for the future

232

00:16:24,690 --> 00:16:21,970

their lives tell us stories and our

233

00:16:27,320 --> 00:16:24,700

memorial members are role models and we

234

00:16:29,520 --> 00:16:27,330

ensure that they will not be forgotten

235

00:16:33,450 --> 00:16:29,530

so today we're telling the story of

236

00:16:37,080 --> 00:16:33,460

Robert H Lawrence jr. we admire him and

237

00:16:39,660 --> 00:16:37,090

we admire his choices in life in the

238

00:16:43,530 --> 00:16:39,670

courage that he had to seek out those

239

00:16:47,400 --> 00:16:43,540

choices and I'm sure he was inspired by

240

00:16:51,060 --> 00:16:47,410

President John Kennedy in 1962 when he

241

00:16:52,980 --> 00:16:51,070

used these words we choose to go to the

242

00:16:55,860 --> 00:16:52,990

moon in this decade and do the other

243

00:16:57,610 --> 00:16:55,870

things not because they are easy but

244

00:17:01,610 --> 00:16:57,620

because they are hard

245

00:17:03,889 --> 00:17:01,620

in Robert Lawrence's life example has

246

00:17:07,010 --> 00:17:03,899

and will continue to inspire and

247

00:17:20,360 --> 00:17:07,020

encourage young people young and old to

248

00:17:22,970 --> 00:17:20,370

reach further dreams I want to tell you

249

00:17:26,449 --> 00:17:22,980

a story this is a story about a man a

250

00:17:29,960 --> 00:17:26,459

great man he was a sign he was a brother

251  
00:17:32,270 --> 00:17:29,970  
he was a husband a father he devoted his

252  
00:17:37,250 --> 00:17:32,280  
life and he worked hard to make a

253  
00:17:39,530 --> 00:17:37,260  
difference for you for me for us when

254  
00:17:41,660 --> 00:17:39,540  
Robert Lawrence came in to the Air Force

255  
00:17:45,950 --> 00:17:41,670  
when he chose to get in the end to the

256  
00:17:47,720 --> 00:17:45,960  
Air Force ROTC the US was in turmoil in

257  
00:17:50,180 --> 00:17:47,730  
those days we were fighting each other

258  
00:17:53,810 --> 00:17:50,190  
in the streets of the Civil Rights era

259  
00:17:56,150 --> 00:17:53,820  
was at its height Vietnam was raging it

260  
00:17:58,190 --> 00:17:56,160  
was not a very popular thing for a young

261  
00:18:00,799 --> 00:17:58,200  
african-american to say okay I'm gonna

262  
00:18:02,990 --> 00:18:00,809  
accept my commission and go fight for

263  
00:18:05,270 --> 00:18:03,000

this country for Robert Lawrence to

264

00:18:08,210 --> 00:18:05,280

succeed he had to be better better than

265

00:18:10,070 --> 00:18:08,220

the best and he was well the fact that

266

00:18:13,580 --> 00:18:10,080

major Lawrence has an Air Force pilot

267

00:18:15,770 --> 00:18:13,590

had a PhD meant that he was already a

268

00:18:17,540 --> 00:18:15,780

cut above to be accepted to the mold

269

00:18:19,850 --> 00:18:17,550

program at that time was also a great

270

00:18:22,240 --> 00:18:19,860

accomplishment the mold program was a

271

00:18:25,310 --> 00:18:22,250

highly selective highly classified

272

00:18:28,580 --> 00:18:25,320

program and only very few had picked

273

00:18:29,960 --> 00:18:28,590

people Goggin if you look back he was

274

00:18:32,600 --> 00:18:29,970

considered to be one of the best jet

275

00:18:34,940 --> 00:18:32,610

pilots that they had we know that he

276

00:18:37,040 --> 00:18:34,950

would have flown shuttle he would have

277

00:18:39,320 --> 00:18:37,050

had a lengthy career and what it had

278

00:18:41,810 --> 00:18:39,330

multiple missions had it not been for

279

00:18:44,360 --> 00:18:41,820

that tragic accident I was the the

280

00:18:46,430 --> 00:18:44,370

beneficiary of the technique that their

281

00:18:48,410 --> 00:18:46,440

Robert Lawrence helped to develop in the

282

00:18:50,000 --> 00:18:48,420

f-104 when he was a test pilot at

283

00:18:51,590 --> 00:18:50,010

Edwards and it was called the final

284

00:18:54,530 --> 00:18:51,600

Flair maneuver and it's what it's the

285

00:18:57,440 --> 00:18:54,540

way that we landed every single space

286

00:18:59,840 --> 00:18:57,450

shuttle in the 135 flights that we flew

287

00:19:01,850 --> 00:18:59,850

it was really hard to learn and it ended

288

00:19:04,669 --> 00:19:01,860

as a matter of fact because his student

289

00:19:05,630 --> 00:19:04,679

didn't appropriately execute it that day

290

00:19:08,419 --> 00:19:05,640

he lost his life

291

00:19:10,280 --> 00:19:08,429

a great American great pilot would have

292

00:19:12,470 --> 00:19:10,290

been a great astronaut we lost him way

293

00:19:14,299 --> 00:19:12,480

too soon being an Omega is something

294

00:19:16,610 --> 00:19:14,309

very special I think you know Robert

295

00:19:18,680 --> 00:19:16,620

Lawrence probably knew it very well and

296

00:19:20,540 --> 00:19:18,690

probably is what caused him to become an

297

00:19:22,820 --> 00:19:20,550

Omega we have something that's called

298

00:19:24,530 --> 00:19:22,830

our cardinal principles and

299

00:19:26,990 --> 00:19:24,540

we look at scholarship perseverance

300

00:19:30,410 --> 00:19:27,000

manhood and uplift Robert Lawrence his

301  
00:19:33,080 --> 00:19:30,420  
life was one of perseverance everybody

302  
00:19:35,630 --> 00:19:33,090  
who was worthy to be the first will

303  
00:19:38,000 --> 00:19:35,640  
remind you that's not the most important

304  
00:19:40,820 --> 00:19:38,010  
thing the most important thing is that

305  
00:19:43,610 --> 00:19:40,830  
you're not the last that yours was only

306  
00:19:46,190 --> 00:19:43,620  
the beginning of the legacy Bob Lawrence

307  
00:19:48,830 --> 00:19:46,200  
can now look down upon us and he can see

308  
00:19:51,080 --> 00:19:48,840  
any number of african-americans women

309  
00:19:53,300 --> 00:19:51,090  
and other people of color who have

310  
00:19:55,790 --> 00:19:53,310  
followed him into the astronaut office

311  
00:19:58,600 --> 00:19:55,800  
where he blazed the trail we consider

312  
00:20:03,070 --> 00:19:58,610  
major Lawrence's as a as a partner as

313  
00:20:05,930 --> 00:20:03,080

one who who went in to the military and

314

00:20:09,650 --> 00:20:05,940

continued his career fighting for his

315

00:20:13,010 --> 00:20:09,660

country training and learning and being

316

00:20:15,230 --> 00:20:13,020

a test pilot and providing the data and

317

00:20:17,540 --> 00:20:15,240

the resources to help to invent the

318

00:20:19,850 --> 00:20:17,550

space shuttle and most certainly he was

319

00:20:23,660 --> 00:20:19,860

a patriot because he died he died

320

00:20:25,910 --> 00:20:23,670

serving our country we still live in the

321

00:20:28,640 --> 00:20:25,920

greatest country in the world we are

322

00:20:32,870 --> 00:20:28,650

taught all the time that our our purpose

323

00:20:34,790 --> 00:20:32,880

in life is to serve other people we have

324

00:20:37,520 --> 00:20:34,800

a saying friendship is essential to the

325

00:20:40,430 --> 00:20:37,530

soul that says it's not about me it's

326

00:20:43,910 --> 00:20:40,440

about the people around me it's about

327

00:20:46,040 --> 00:20:43,920

taking in other people and bringing them

328

00:20:48,680 --> 00:20:46,050

into into our circle of brothers and

329

00:20:51,410 --> 00:20:48,690

sisters because friendship is essential

330

00:20:52,730 --> 00:20:51,420

to who we are that's what makes us so

331

00:20:54,130 --> 00:20:52,740

different from other people around the

332

00:20:57,470 --> 00:20:54,140

world

333

00:21:00,560 --> 00:20:57,480

major Robert Lawrence was a man a man

334

00:21:03,290 --> 00:21:00,570

who loved God a man who believed in his

335

00:21:07,610 --> 00:21:03,300

country a man who had hope for the

336

00:21:15,840 --> 00:21:07,620

future then now and for tomorrow

337

00:21:15,850 --> 00:21:39,620

[Music]

338

00:21:50,750 --> 00:21:46,030

[Applause]

339

00:21:55,200 --> 00:21:53,039

special thanks to the Omega sci-fi

340

00:21:57,570 --> 00:21:55,210

fraternity for their assistance and that

341

00:22:00,900 --> 00:21:57,580

video in Benjamin Crump it's beautifully

342

00:22:05,600 --> 00:22:00,910

done out for this great American Hero

343

00:22:08,580 --> 00:22:05,610

I'd like to introduce Robert Cabana

344

00:22:09,690 --> 00:22:08,590

Robert Cabana is the director of the

345

00:22:12,090 --> 00:22:09,700

Kennedy Space Center

346

00:22:14,180 --> 00:22:12,100

he had the unenviable task of

347

00:22:16,919 --> 00:22:14,190

successfully flying out the shuttle

348

00:22:19,260 --> 00:22:16,929

until its last mission and he's leading

349

00:22:22,200 --> 00:22:19,270

our way to a new generation of

350

00:22:26,070 --> 00:22:22,210

spaceflight he's a visionary he's a

351

00:22:29,760 --> 00:22:26,080

great leader marine Bob Cabana flew

352

00:22:31,649 --> 00:22:29,770

Space Shuttle former shuttle pilot and

353

00:22:39,650 --> 00:22:31,659

we're very fortunate to have him here

354

00:22:45,390 --> 00:22:42,390

thank you fed boy what a great video

355

00:22:48,180 --> 00:22:45,400

that was good morning and thank you so

356

00:22:50,310 --> 00:22:48,190

much for coming out today to honor major

357

00:22:51,300 --> 00:22:50,320

Robert Lawrence and welcome to the

358

00:22:54,170 --> 00:22:51,310

Kennedy Space Center

359

00:22:58,290 --> 00:22:54,180

America's let's make that the world's

360

00:22:59,940 --> 00:22:58,300

pre-eminent multi-user spaceport this is

361

00:23:02,400 --> 00:22:59,950

a really exciting year coming up for

362

00:23:05,310 --> 00:23:02,410

NASA in KSC hopefully we'll get a couple

363

00:23:08,670 --> 00:23:05,320

test flights off this year on both

364

00:23:11,490 --> 00:23:08,680

Boeing and SpaceX Boeing with the

365

00:23:13,670 --> 00:23:11,500

Starliner on an Atlas 5 in SpaceX with

366

00:23:16,620 --> 00:23:13,680

the crew Dragon on a on a falcon 9

367

00:23:18,960 --> 00:23:16,630

testing their vehicles to send crews to

368

00:23:19,920 --> 00:23:18,970

the International Space Station and this

369

00:23:21,780 --> 00:23:19,930

year we're going to have all the

370

00:23:23,730 --> 00:23:21,790

infrastructure in place we'll be ready

371

00:23:26,070 --> 00:23:23,740

to start processing getting ready for

372

00:23:28,500 --> 00:23:26,080

launch the Space Launch System and the

373

00:23:30,480 --> 00:23:28,510

Orion capsule that's going to take us

374

00:23:32,640 --> 00:23:30,490

back to the moon and on to Mars one day

375

00:23:35,190 --> 00:23:32,650

and that'll all happen that test flight

376

00:23:39,390 --> 00:23:35,200

hopefully in late 2019 so a very

377

00:23:42,030 --> 00:23:39,400

exciting time major Lawrence truly was a

378

00:23:45,270 --> 00:23:42,040

hero I mean he was he was first he set

379

00:23:47,400 --> 00:23:45,280

the stage for what was to come and we'll

380

00:23:50,550 --> 00:23:47,410

hear more about the MOL astronauts and

381

00:23:55,080 --> 00:23:50,560

in major Lawrence but what a great

382

00:23:58,800 --> 00:23:55,090

example 25 years ago today in fact I was

383

00:24:01,410 --> 00:23:58,810

on orbit with America's first African

384

00:24:03,900 --> 00:24:01,420

American astronaut to fly in space guy

385

00:24:06,960 --> 00:24:03,910

Bluford and it was the last classified

386

00:24:08,970 --> 00:24:06,970

mission for the shuttle STS 53 and we

387

00:24:12,120 --> 00:24:08,980

came home yesterday but what a pleasure

388

00:24:16,020 --> 00:24:12,130

was to fly with guy and I know there are

389

00:24:18,360 --> 00:24:16,030

many folks that major Lawrence and guy

390

00:24:21,000 --> 00:24:18,370

Bluford guys like Charlie Bolden you

391

00:24:24,060 --> 00:24:21,010

know they were examples for those that

392

00:24:26,510 --> 00:24:24,070

followed when people ask me what was the

393

00:24:29,820 --> 00:24:26,520

major contribution of the Space Shuttle

394

00:24:32,310 --> 00:24:29,830

to America's space program and it

395

00:24:35,340 --> 00:24:32,320

accomplished so many things in its

396

00:24:37,170 --> 00:24:35,350

30-year history but I tell him it

397

00:24:38,910 --> 00:24:37,180

brought diversity to America's space

398

00:24:42,480 --> 00:24:38,920

program if you look at that first group

399

00:24:46,710 --> 00:24:42,490

of shuttle astronauts in 1978 there were

400

00:24:49,950 --> 00:24:46,720

black white Hispanic Asian men women it

401  
00:24:51,960 --> 00:24:49,960  
was a truly diverse astronaut program it

402  
00:24:53,070 --> 00:24:51,970  
was no longer just white military test

403  
00:24:55,800 --> 00:24:53,080  
pilots

404  
00:24:58,740 --> 00:24:55,810  
with a few white scientists thrown in at

405  
00:25:01,800 --> 00:24:58,750  
the end it set the stage for everybody

406  
00:25:03,720 --> 00:25:01,810  
to be able to fly in space and and

407  
00:25:06,750 --> 00:25:03,730  
that's what it's all about it's being

408  
00:25:08,700 --> 00:25:06,760  
able to explore beyond our boundaries to

409  
00:25:12,000 --> 00:25:08,710  
work together as a diverse team to come

410  
00:25:15,470 --> 00:25:12,010  
to the best answer and future Lawrence

411  
00:25:19,650 --> 00:25:15,480  
you know he took that first step had he

412  
00:25:21,660 --> 00:25:19,660  
not been lost 50 years ago he would have

413  
00:25:24,630 --> 00:25:21,670

ended up as one of the mole astronauts

414

00:25:26,100 --> 00:25:24,640

it came to NASA and became an astronaut

415

00:25:28,590 --> 00:25:26,110

and like Bob Crippen he would have been

416

00:25:31,980 --> 00:25:28,600

flying on a space shuttle also and I

417

00:25:33,690 --> 00:25:31,990

feel I am disappointed I never got the

418

00:25:38,100 --> 00:25:33,700

chance to know him but having read about

419

00:25:41,370 --> 00:25:38,110

him he certainly was a fine man it's my

420

00:25:43,530 --> 00:25:41,380

pleasure now to introduce who I think is

421

00:25:45,840 --> 00:25:43,540

truly one of the finest gentlemen I've

422

00:25:50,760 --> 00:25:45,850

ever known he's been introduced as the

423

00:25:54,000 --> 00:25:50,770

Honorable mr. Bolden major general

424

00:25:56,280 --> 00:25:54,010

Bolden but I'd like to just call him my

425

00:25:59,430 --> 00:25:56,290

friend Charlie Charlie was the 12th

426  
00:26:02,190 --> 00:25:59,440  
administrator of NASA he graduated from

427  
00:26:05,310 --> 00:26:02,200  
the United States Naval Academy in 1968

428  
00:26:06,900 --> 00:26:05,320  
a distinguished test pilot a combat

429  
00:26:09,120 --> 00:26:06,910  
veteran in Vietnam with over a hundred

430  
00:26:14,220 --> 00:26:09,130  
missions he was selected for the

431  
00:26:16,530 --> 00:26:14,230  
astronaut program in 1980 and got pilot

432  
00:26:19,800 --> 00:26:16,540  
and command a total of four Space

433  
00:26:23,190 --> 00:26:19,810  
Shuttle missions altogether and I can't

434  
00:26:27,110 --> 00:26:23,200  
think of a finer individual to be able

435  
00:26:30,600 --> 00:26:27,120  
to introduce and recognize today our

436  
00:26:38,510 --> 00:26:30,610  
former NASA Administrator Major General

437  
00:26:42,800 --> 00:26:40,580  
[Applause]

438  
00:26:45,410 --> 00:26:42,810

thank you very much Bob for your very

439

00:26:46,970 --> 00:26:45,420

kind remarks and for the brothers in the

440

00:26:49,760 --> 00:26:46,980

house here particularly those in gamma

441

00:26:52,930 --> 00:26:49,770

nu I hope you noticed that prospective

442

00:26:56,750 --> 00:26:52,940

brother Cabana is wearing his purple tie

443

00:26:59,480 --> 00:26:56,760

if you did not notice that I don't know

444

00:27:03,440 --> 00:26:59,490

what he's campaigning or not but check

445

00:27:05,390 --> 00:27:03,450

him out you know Bob I do want to thank

446

00:27:06,590 --> 00:27:05,400

you very much for for hosting this for

447

00:27:08,120 --> 00:27:06,600

the Kennedy Space Center and the

448

00:27:09,820 --> 00:27:08,130

astronaut Memorial Foundation

449

00:27:11,660 --> 00:27:09,830

another person I want to thank is

450

00:27:21,380 --> 00:27:11,670

Barbara

451  
00:27:24,070 --> 00:27:21,390  
personal dedication and sacrifice in

452  
00:27:27,590 --> 00:27:24,080  
helping to establish in in cement Bob's

453  
00:27:31,520 --> 00:27:27,600  
memory and legacy along with Bob's late

454  
00:27:35,030 --> 00:27:31,530  
wife Barbara the two of you sacrificed

455  
00:27:38,330 --> 00:27:35,040  
through the early years of Bob's time in

456  
00:27:40,550 --> 00:27:38,340  
the Air Force and I believe it was the

457  
00:27:42,740 --> 00:27:40,560  
two of you that provided the wind under

458  
00:27:44,860 --> 00:27:42,750  
his wings when there were many times

459  
00:27:47,090 --> 00:27:44,870  
that he may have felt pretty much alone

460  
00:27:52,450 --> 00:27:47,100  
so thank you very much for being here

461  
00:27:57,580 --> 00:27:55,900  
we owe you and informally Barbara an

462  
00:27:59,770 --> 00:27:57,590  
extreme debt of gratitude for never

463  
00:28:01,900 --> 00:27:59,780

giving up on the quest to gain the

464

00:28:03,880 --> 00:28:01,910

well-deserved recognition of major

465

00:28:06,820 --> 00:28:03,890

Robert Lawrence jr. and America

466

00:28:09,520 --> 00:28:06,830

America's first black astronaut when we

467

00:28:12,580 --> 00:28:09,530

think of Bob Lawrence man of Omega who

468

00:28:14,200 --> 00:28:12,590

lived the life his life following the

469

00:28:16,350 --> 00:28:14,210

cardinal principles of our beloved

470

00:28:19,840 --> 00:28:16,360

fraternity manhood scholarship

471

00:28:24,160 --> 00:28:19,850

perseverance and uplift his leadership

472

00:28:26,890 --> 00:28:24,170

was recognized early in his days at in

473

00:28:30,280 --> 00:28:26,900

the Air Force ROTC program at Bradley

474

00:28:34,240 --> 00:28:30,290

University where he was selected cadet

475

00:28:36,370 --> 00:28:34,250

commander now I know a lot of you in

476  
00:28:38,620 --> 00:28:36,380  
here don't recognize the significance of

477  
00:28:44,650 --> 00:28:38,630  
that but but you got to remember this

478  
00:28:49,030 --> 00:28:44,660  
was 1955 1956 and Peoria Illinois was

479  
00:28:52,060 --> 00:28:49,040  
not exactly the the far north and yet

480  
00:28:53,800 --> 00:28:52,070  
Bob Lawrence in this pre Civil Rights

481  
00:28:54,340 --> 00:28:53,810  
era was selected to be the cadet

482  
00:28:58,270 --> 00:28:54,350  
commander

483  
00:29:01,420 --> 00:28:58,280  
so that spoke unbelievable words about

484  
00:29:03,310 --> 00:29:01,430  
his leadership ability he was undeterred

485  
00:29:07,060 --> 00:29:03,320  
by segregation and discrimination that

486  
00:29:08,860 --> 00:29:07,070  
he would find at every turn he went on

487  
00:29:11,890 --> 00:29:08,870  
to become an Air Force pilot at the age

488  
00:29:13,870 --> 00:29:11,900

of 21 a test pilot and air force manned

489

00:29:15,190 --> 00:29:13,880

orbiting laboratory or mold astronaut

490

00:29:17,710 --> 00:29:15,200

you'll hear probably hear more about

491

00:29:20,020 --> 00:29:17,720

that later at the age of 32 and when I

492

00:29:21,910 --> 00:29:20,030

talk about diversity and discrimination

493

00:29:24,850 --> 00:29:21,920

I could not help but notice generally

494

00:29:28,180 --> 00:29:24,860

the picture of you and and Don Peterson

495

00:29:30,640 --> 00:29:28,190

and Robert and and I forgot who your

496

00:29:33,660 --> 00:29:30,650

fourth member of the class was but but

497

00:29:36,460 --> 00:29:33,670

Don Peterson loves to tell stories about

498

00:29:41,080 --> 00:29:36,470

traveling through the south with Bob

499

00:29:45,790 --> 00:29:41,090

Lawrence and being asked if are you all

500

00:29:48,820 --> 00:29:45,800

from the CIA or the FBI because people

501  
00:29:51,160 --> 00:29:48,830  
were not accustomed to seeing a white

502  
00:29:53,530 --> 00:29:51,170  
and a black together in those days

503  
00:29:55,990 --> 00:29:53,540  
that's what it was like on the way to

504  
00:29:57,850 --> 00:29:56,000  
becoming a test pilot and astronaut Bob

505  
00:30:00,250 --> 00:29:57,860  
had earned a PhD in physical chemistry

506  
00:30:03,820 --> 00:30:00,260  
from the Ohio State University that in

507  
00:30:05,800 --> 00:30:03,830  
itself was exceptional that in excel in

508  
00:30:11,410 --> 00:30:05,810  
itself was exceptional

509  
00:30:14,110 --> 00:30:11,420  
I could be wrong but until guy Bluford

510  
00:30:17,710 --> 00:30:14,120  
came into the astronaut office I don't

511  
00:30:21,100 --> 00:30:17,720  
think we had another pilot who had a PhD

512  
00:30:25,020 --> 00:30:21,110  
so those are rare beams most of us are

513  
00:30:27,940 --> 00:30:25,030

just we like to smell fuel and go fast

514

00:30:31,210 --> 00:30:27,950

at the time of his death in an f-104

515

00:30:33,010 --> 00:30:31,220

space flight training its space training

516

00:30:35,350 --> 00:30:33,020

flight he was involved in the

517

00:30:37,480 --> 00:30:35,360

development of the final maneuver that

518

00:30:39,970 --> 00:30:37,490

would become a critical part of space

519

00:30:42,610 --> 00:30:39,980

shuttle landing techniques called the

520

00:30:45,160 --> 00:30:42,620

flare had he lived to see the end of the

521

00:30:48,040 --> 00:30:45,170

mole program he would have without any

522

00:30:50,110 --> 00:30:48,050

doubt in my mind become a NASA astronaut

523

00:30:52,240 --> 00:30:50,120

and been a candidate to travel to space

524

00:30:54,340 --> 00:30:52,250

and the space shuttle program as did

525

00:30:57,430 --> 00:30:54,350

several of his fellow mole crew members

526  
00:30:59,860 --> 00:30:57,440  
on this day when we celebrate the 50th

527  
00:31:02,230 --> 00:30:59,870  
anniversary of the ultimate sacrifice of

528  
00:31:05,410 --> 00:31:02,240  
major Robert H Lawrence jr. to this

529  
00:31:09,190 --> 00:31:05,420  
country it's important to remember his

530  
00:31:13,030 --> 00:31:09,200  
legacy that he was as you saw in the

531  
00:31:16,390 --> 00:31:13,040  
tribute film to him just a little while

532  
00:31:19,390 --> 00:31:16,400  
ago he was the first but he was not the

533  
00:31:22,540 --> 00:31:19,400  
last he is one of the Giants on whose

534  
00:31:24,730 --> 00:31:22,550  
shoulders I stand he established the

535  
00:31:27,220 --> 00:31:24,740  
foundation on which guy Bluford fred

536  
00:31:30,190 --> 00:31:27,230  
gregory the late dr. Ron McNair dr. May

537  
00:31:34,180 --> 00:31:30,200  
Jemison several others of us in this

538  
00:31:36,060 --> 00:31:34,190

room Eileen Collins he is the foundation

539

00:31:40,660 --> 00:31:36,070

on whom we stand

540

00:31:41,910 --> 00:31:40,670

he was the first but definitely not the

541

00:31:44,980 --> 00:31:41,920

last

542

00:31:48,940 --> 00:31:44,990

it's my now my pleasure to introduce to

543

00:31:51,220 --> 00:31:48,950

you our 40th grand basileus brother

544

00:31:52,480 --> 00:31:51,230

Antonio Knox and and brother Knox has a

545

00:31:55,900 --> 00:31:52,490

long bio

546

00:31:57,490 --> 00:31:55,910

and I'm not gonna read that whole bio to

547

00:31:58,900 --> 00:31:57,500

you but there are some highlights that I

548

00:32:01,510 --> 00:31:58,910

want to give you because I think they

549

00:32:03,100 --> 00:32:01,520

speak to the man he is the deputy

550

00:32:05,350 --> 00:32:03,110

administrator of the North Carolina

551  
00:32:07,510 --> 00:32:05,360  
credit union division today he's a

552  
00:32:09,880 --> 00:32:07,520  
graduate of North Carolina State

553  
00:32:12,370 --> 00:32:09,890  
University where he attended the UNC

554  
00:32:15,430 --> 00:32:12,380  
school of banking and as a certified

555  
00:32:17,410 --> 00:32:15,440  
state credit union supervisor his office

556  
00:32:18,740 --> 00:32:17,420  
today is responsible for regulating the

557  
00:32:21,680 --> 00:32:18,750  
industry that

558  
00:32:24,530 --> 00:32:21,690  
over two million members and thirty

559  
00:32:27,230 --> 00:32:24,540  
billion dollars in assets in North

560  
00:32:29,270 --> 00:32:27,240  
Carolina prior to becoming a regulator

561  
00:32:32,750 --> 00:32:29,280  
he was the vice president in Regional

562  
00:32:36,290 --> 00:32:32,760  
Manager at North Carolina federal SNL

563  
00:32:38,660 --> 00:32:36,300

and a VP an assistant vice president at

564

00:32:40,910 --> 00:32:38,670

branch bank branch banking and Trust

565

00:32:43,430 --> 00:32:40,920

Company he has been the financial

566

00:32:45,230 --> 00:32:43,440

industry for 35 years

567

00:32:48,410 --> 00:32:45,240

brother Knox has been a member of Omega

568

00:32:49,910 --> 00:32:48,420

sci-fi fraternity for 39 years

569

00:32:52,400 --> 00:32:49,920

he's a charter member of the Kappa

570

00:32:56,080 --> 00:32:52,410

lambda chapter at North Carolina State

571

00:32:58,730 --> 00:32:56,090

University initiated in spring of 78

572

00:33:01,700 --> 00:32:58,740

brother Knox is known as a community

573

00:33:03,470 --> 00:33:01,710

champion he has coached youth sports for

574

00:33:05,990 --> 00:33:03,480

30 years served on the board of

575

00:33:08,330 --> 00:33:06,000

directors of many organizations and task

576  
00:33:11,240 --> 00:33:08,340  
forces for the City of Raleigh in North

577  
00:33:13,000 --> 00:33:11,250  
Carolina State University he served as

578  
00:33:15,440 --> 00:33:13,010  
the chairman of the Chancellor's

579  
00:33:18,710 --> 00:33:15,450  
Advisory Committee at NC State for

580  
00:33:20,930 --> 00:33:18,720  
several years his passion his passion is

581  
00:33:25,010 --> 00:33:20,940  
working with youth and serving as a

582  
00:33:26,840 --> 00:33:25,020  
volunteer at the garner Road YMCA where

583  
00:33:29,120 --> 00:33:26,850  
he has been the chairman of the board

584  
00:33:32,870 --> 00:33:29,130  
for many years and fought to keep it as

585  
00:33:35,270 --> 00:33:32,880  
a heritage YMCA the youth sports he has

586  
00:33:37,100 --> 00:33:35,280  
coached in youth sports he has coached a

587  
00:33:39,710 --> 00:33:37,110  
number of championship teams but he is

588  
00:33:43,070 --> 00:33:39,720

most proud of the chance he had to coach

589

00:33:45,140 --> 00:33:43,080

his son Tony jr. and his teammates to

590

00:33:50,180 --> 00:33:45,150

several national finishes in AAU

591

00:33:53,300 --> 00:33:50,190

basketball there have been many awards

592

00:33:55,580 --> 00:33:53,310

presented to brother Knox he was

593

00:33:58,010 --> 00:33:55,590

recently awarded spectacular spectacular

594

00:34:00,230 --> 00:33:58,020

magazines community service Man of the

595

00:34:03,080 --> 00:34:00,240

Year and has been given the key to

596

00:34:06,170 --> 00:34:03,090

several cities he's a member of st.

597

00:34:09,290 --> 00:34:06,180

Matthews AME where he has been a trustee

598

00:34:11,570 --> 00:34:09,300

and served as in the George a Parker men

599

00:34:14,119 --> 00:34:11,580

of men's club and is now a member of the

600

00:34:17,419 --> 00:34:14,129

stewardship board brother Knox I got a

601  
00:34:19,940 --> 00:34:17,429  
Tele this part I'd be in trouble brother

602  
00:34:23,810 --> 00:34:19,950  
Knox is married to Angela Knox in his

603  
00:34:27,050 --> 00:34:23,820  
two children Antoinette Knox he good in

604  
00:34:30,710 --> 00:34:27,060  
her husband Brian and an aunt Antonio

605  
00:34:32,909 --> 00:34:30,720  
Knox jr. in September 2014 his first

606  
00:34:36,669 --> 00:34:32,919  
grandchild autumn and his

607  
00:34:38,620 --> 00:34:36,679  
breelan were born who was born in August

608  
00:34:41,919 --> 00:34:38,630  
2016

609  
00:34:44,290 --> 00:34:41,929  
both have stolen his heart so I'm very

610  
00:34:46,180 --> 00:34:44,300  
proud to present to you at this time the

611  
00:34:48,790 --> 00:34:46,190  
fortieth grand basileus of my fraternity

612  
00:34:58,660 --> 00:34:48,800  
Omega sci fi fraternity brother Anthony

613  
00:35:01,840 --> 00:34:58,670

o Knox thank you

614

00:35:05,560 --> 00:35:01,850

giving honor to God and my Lord and

615

00:35:09,880 --> 00:35:05,570

Savior Jesus Christ to the Lawrence

616

00:35:12,820 --> 00:35:09,890

family friends make a man and all

617

00:35:18,610 --> 00:35:12,830

invited guess it's been a long time

618

00:35:21,820 --> 00:35:18,620

coming but those who believe in the

619

00:35:24,880 --> 00:35:21,830

Warren who orders our steps knew that

620

00:35:28,830 --> 00:35:24,890

this day would come and though we didn't

621

00:35:32,470 --> 00:35:28,840

know here he knew that this recognition

622

00:35:35,200 --> 00:35:32,480

would come and then what time could be

623

00:35:38,380 --> 00:35:35,210

better than what's going on now as

624

00:35:40,150 --> 00:35:38,390

brother Bolden said we stand on the

625

00:35:42,490 --> 00:35:40,160

shoulders of many and I stand here on

626

00:35:44,710 --> 00:35:42,500

the shoulders of all the former Grand

627

00:35:47,170 --> 00:35:44,720

bosses before me that have been

628

00:35:49,450 --> 00:35:47,180

introduced and our fraternity we say

629

00:35:51,370 --> 00:35:49,460

that we are one and the Grand officers

630

00:35:53,530 --> 00:35:51,380

that are here and the brothers from the

631

00:35:58,900 --> 00:35:53,540

chapters that are here in in Florida got

632

00:36:00,850 --> 00:35:58,910

a here to represent a mega Syfy it's an

633

00:36:03,700 --> 00:36:00,860

honor and a privilege for us to have

634

00:36:04,690 --> 00:36:03,710

this opportunity to participate thanks

635

00:36:07,870 --> 00:36:04,700

to the family

636

00:36:10,420 --> 00:36:07,880

thank you brother Hill and thank you for

637

00:36:14,290 --> 00:36:10,430

NASA for all giving us this chance to be

638

00:36:17,020 --> 00:36:14,300

a part of this while the documentary has

639

00:36:19,740 --> 00:36:17,030

had says much of what I had anticipated

640

00:36:23,740 --> 00:36:19,750

saying and brother Bolden said the rest

641

00:36:26,980 --> 00:36:23,750

but because of the man that brother

642

00:36:30,100 --> 00:36:26,990

Lawrence was that we could talk from now

643

00:36:33,220 --> 00:36:30,110

on and still not tell it all you know

644

00:36:35,950 --> 00:36:33,230

the fact that he was a scholar he

645

00:36:39,640 --> 00:36:35,960

continued today to inspire others in our

646

00:36:42,340 --> 00:36:39,650

STEM program Lee Willis leaves over at

647

00:36:43,720 --> 00:36:42,350

NASA as we have a stem program that's

648

00:36:46,950 --> 00:36:43,730

been recognized by a number of

649

00:36:49,780 --> 00:36:46,960

universities and his universe Ohio State

650

00:36:52,270 --> 00:36:49,790

recognized our STEM program and sponsor

651  
00:36:56,740 --> 00:36:52,280  
the program this year and invited them

652  
00:36:59,590 --> 00:36:56,750  
back to Ohio State to sponsor so even

653  
00:37:03,880 --> 00:36:59,600  
though he's not here physically he

654  
00:37:07,180 --> 00:37:03,890  
continues to inspire our fourth car the

655  
00:37:08,920 --> 00:37:07,190  
principle of uplift when I look over and

656  
00:37:11,859 --> 00:37:08,930  
I see the young man

657  
00:37:14,980 --> 00:37:11,869  
it lets me know that he's continuing to

658  
00:37:19,240 --> 00:37:14,990  
inspire others to do that live their

659  
00:37:22,000 --> 00:37:19,250  
dream when I see mr. Skye and when I see

660  
00:37:24,430 --> 00:37:22,010  
the other astronauts that are here it

661  
00:37:27,339 --> 00:37:24,440  
lets me know that he's continued to

662  
00:37:30,490 --> 00:37:27,349  
inspire and they had those shoulders to

663  
00:37:33,819 --> 00:37:30,500

stand on and as men of Omega our

664

00:37:36,640 --> 00:37:33,829

obligation it's our obligation to make

665

00:37:38,980 --> 00:37:36,650

life better for others and what better

666

00:37:41,230 --> 00:37:38,990

way to do that than to be an inspiration

667

00:37:45,280 --> 00:37:41,240

to allow our young people to live out

668

00:37:47,370 --> 00:37:45,290

their dream we're fortunate we're

669

00:37:50,710 --> 00:37:47,380

fortunate as brother Lawrence Kane and

670

00:37:53,470 --> 00:37:50,720

Frederick Gregory and Ron McNair

671

00:37:56,260 --> 00:37:53,480

and brother Bolden and others to

672

00:38:00,190 --> 00:37:56,270

continue his legacy to continue inspire

673

00:38:04,000 --> 00:38:00,200

our young people and as the world turns

674

00:38:07,059 --> 00:38:04,010

change is created every day and because

675

00:38:09,670 --> 00:38:07,069

of the work that he did because of the

676

00:38:12,339 --> 00:38:09,680

risk that he took because of the fact

677

00:38:14,670 --> 00:38:12,349

that he was willing to risk his life to

678

00:38:17,140 --> 00:38:14,680

go out and make a difference for others

679

00:38:21,280 --> 00:38:17,150

people are learning and having that

680

00:38:24,099 --> 00:38:21,290

opportunity today I think his legacy is

681

00:38:26,140 --> 00:38:24,109

one that every man will envy every man

682

00:38:29,140 --> 00:38:26,150

would love to be able to say that even

683

00:38:31,900 --> 00:38:29,150

while I'm not there I'm inspiring others

684

00:38:35,530 --> 00:38:31,910

and I'm making a difference and creating

685

00:38:38,559 --> 00:38:35,540

positive change so I know there's much

686

00:38:41,020 --> 00:38:38,569

to do today so I won't belabor this even

687

00:38:43,630 --> 00:38:41,030

though I enjoyed learning it and then I

688

00:38:46,620 --> 00:38:43,640

could continue to talk about it because

689

00:38:49,240 --> 00:38:46,630

it was it was just that much to know and

690

00:38:51,490 --> 00:38:49,250

thank you to the family thank you for

691

00:38:53,230 --> 00:38:51,500

sharing him and thank you for allowing

692

00:38:55,390 --> 00:38:53,240

him to do the things that he did and

693

00:38:57,430 --> 00:38:55,400

supporting him because we know that

694

00:39:00,670 --> 00:38:57,440

during the times that he had those

695

00:39:03,549 --> 00:39:00,680

accomplishments there was was obstacles

696

00:39:05,289 --> 00:39:03,559

larger than some people could handle but

697

00:39:07,960 --> 00:39:05,299

through his cardinal principles and

698

00:39:10,599 --> 00:39:07,970

learning a Tamilian life and through his

699

00:39:15,400 --> 00:39:10,609

family support he was able to achieve

700

00:39:18,420 --> 00:39:15,410

and still continues to inspire so Tony I

701  
00:39:21,130 --> 00:39:18,430  
think you for allowing us to participate

702  
00:39:22,480 --> 00:39:21,140  
these things don't happen without their

703  
00:39:26,140 --> 00:39:22,490  
being

704  
00:39:29,099 --> 00:39:26,150  
some support and if you would if you're

705  
00:39:32,680 --> 00:39:29,109  
the person that I should present this to

706  
00:39:34,690 --> 00:39:32,690  
if you would come forward I would like

707  
00:39:45,460 --> 00:39:34,700  
to make a presentation and brothers

708  
00:39:46,990 --> 00:39:45,470  
would you please stand on behalf of the

709  
00:39:49,870 --> 00:39:47,000  
men of Omega so Phi fraternity

710  
00:39:51,819 --> 00:39:49,880  
incorporated it's indeed an honor for us

711  
00:39:56,319 --> 00:39:51,829  
to be able to participate with the

712  
00:39:59,170 --> 00:39:56,329  
sponsorship for this memorial service we

713  
00:40:02,710 --> 00:39:59,180

can be happier and we're honored to be

714

00:40:04,750 --> 00:40:02,720

able to do as we serve and continue to

715

00:40:18,130 --> 00:40:04,760

recognize our brother major Robert

716

00:40:23,630 --> 00:40:20,570

well thank you so much and I was a

717

00:40:25,430 --> 00:40:23,640

little bit unexpected and today these

718

00:40:27,770 --> 00:40:25,440

Omega sci-fi guys are amazing

719

00:40:36,230 --> 00:40:27,780

they're amazing I'm gonna tell you this

720

00:40:39,410 --> 00:40:36,240

will be not and I love that theme of our

721

00:40:41,450 --> 00:40:39,420

video this will not be the last this

722

00:40:45,170 --> 00:40:41,460

will not be the last you guys represent

723

00:40:47,150 --> 00:40:45,180

the future thank you like to introduce

724

00:40:50,390 --> 00:40:47,160

you another great individual that you've

725

00:40:53,530 --> 00:40:50,400

heard was listening to him of Winston

726

00:40:57,710 --> 00:40:53,540

Scott he we know that Robert Lawrence

727

00:41:02,110 --> 00:40:57,720

enjoyed jazz his sister Barbara let us

728

00:41:04,970 --> 00:41:02,120

know that and so Winston's band here has

729

00:41:09,800 --> 00:41:04,980

put together some music and in honor of

730

00:41:11,120 --> 00:41:09,810

him and Winston is he here right good

731

00:41:14,180 --> 00:41:11,130

right there good okay good I want to be

732

00:41:17,990 --> 00:41:14,190

sure Winston former Shuttle astronaut

733

00:41:20,870 --> 00:41:18,000

naval aviator Winston flew to Space

734

00:41:25,040 --> 00:41:20,880

Shuttle missions did a evl extra

735

00:41:26,750 --> 00:41:25,050

spacewalk as us laymen know he's been a

736

00:41:28,220 --> 00:41:26,760

leader in this community led the state

737

00:41:30,560 --> 00:41:28,230

of Florida space initiative space

738

00:41:32,360 --> 00:41:30,570

Florida did a wonderful job there he's

739

00:41:34,610 --> 00:41:32,370

head of aerospace engineering for a

740

00:41:37,430 --> 00:41:34,620

great university Florida Institute of

741

00:41:39,530 --> 00:41:37,440

Technology who has classes here that we

742

00:41:42,410 --> 00:41:39,540

love if IT one of the great technical

743

00:41:43,520 --> 00:41:42,420

schools of our country and he's a good

744

00:41:51,859 --> 00:41:43,530

musician too

745

00:41:57,720 --> 00:41:56,099

thank you as the band comes forward just

746

00:41:59,280 --> 00:41:57,730

give me one moment to say something

747

00:42:02,490 --> 00:41:59,290

first of all it's an honor to be here

748

00:42:04,849 --> 00:42:02,500

and we play music all the time but this

749

00:42:09,030 --> 00:42:04,859

is a very very special occasion for me

750

00:42:11,430 --> 00:42:09,040

this is December 8th December 5th

751  
00:42:13,950 --> 00:42:11,440  
three days ago was the 20th anniversary

752  
00:42:15,720 --> 00:42:13,960  
of when we landed from 16 days in orbit

753  
00:42:18,150 --> 00:42:15,730  
aboard the space shuttle Columbia and

754  
00:42:20,430 --> 00:42:18,160  
that was this is a wonderful

755  
00:42:22,530 --> 00:42:20,440  
life-changing event from me but it would

756  
00:42:24,089 --> 00:42:22,540  
not have happened without trailblazers

757  
00:42:26,309 --> 00:42:24,099  
like major Robert Lawrence so he is

758  
00:42:34,760 --> 00:42:26,319  
indeed an honor to dedicate this number

759  
00:42:39,480 --> 00:42:37,470  
and while they're setting up I do want

760  
00:42:41,370 --> 00:42:39,490  
to introduce a few local elected

761  
00:42:43,980 --> 00:42:41,380  
officials and state officials state

762  
00:42:50,069 --> 00:42:43,990  
representative Randy Fein is here with

763  
00:42:51,809 --> 00:42:50,079

us I saw Matt Susan school board member

764

00:42:54,329 --> 00:42:51,819

who's worked so hard and helped with

765

00:42:58,079 --> 00:42:54,339

those with some of high school students

766

00:42:59,970 --> 00:42:58,089

we have here and a very special person

767

00:43:06,690 --> 00:42:59,980

who's really helped AMF a lot Lisa

768

00:43:10,950 --> 00:43:06,700

Cullen our tax collector you know this

769

00:43:12,839 --> 00:43:10,960

all began with the vision of creating a

770

00:43:14,490 --> 00:43:12,849

specialty license tag which has funded

771

00:43:16,319 --> 00:43:14,500

all this and made this all possible and

772

00:43:18,359 --> 00:43:16,329

least is the one who sells that to the

773

00:43:19,440 --> 00:43:18,369

public so those of you or Florida

774

00:43:22,829 --> 00:43:19,450

residents have yet bought your

775

00:43:28,500 --> 00:43:22,839

Challenger Columbia license tag contact

776  
00:43:35,220 --> 00:43:28,510  
your local tax collector I'll turn to

777  
00:43:35,230 --> 00:43:48,880  
[Music]

778  
00:43:57,740 --> 00:43:52,990  
let me take a trip on a rocket ship

779  
00:44:01,960 --> 00:43:57,750  
we'll have a pleasant afternoon kiss the

780  
00:44:03,390 --> 00:44:01,970  
world goodbye ran away with my

781  
00:44:09,599 --> 00:44:03,400  
destination

782  
00:44:18,920 --> 00:44:14,469  
well what will you get

783  
00:44:35,400 --> 00:44:18,930  
running on the laser

784  
00:44:45,180 --> 00:44:39,700  
we will still honor raise my beer

785  
00:44:45,190 --> 00:44:49,500  
look the break let's go

786  
00:44:59,080 --> 00:44:56,040  
[Music]

787  
00:45:36,940 --> 00:44:59,090  
[Applause]

788  
00:45:36,950 --> 00:45:45,120

we're still in my robe up in a Louboutin

789

00:45:52,370 --> 00:45:48,940

hello I'm the brave let go

790

00:45:54,760 --> 00:45:52,380

the nation

791

00:45:59,310 --> 00:45:54,770

there's winners

792

00:45:59,880 --> 00:45:59,320

[Music]

793

00:46:06,870 --> 00:45:59,890

yah

794

00:46:07,230 --> 00:46:06,880

[Music]

795

00:46:08,950 --> 00:46:07,240

[Applause]

796

00:46:38,270 --> 00:46:08,960

[Music]

797

00:46:42,560 --> 00:46:40,220

I guess I'm gonna have to do it and

798

00:46:45,020 --> 00:46:42,570

that's what jazz is all about it's

799

00:46:46,730 --> 00:46:45,030

ad-libbing I will just simply introduce

800

00:46:51,500 --> 00:46:46,740

our next speaker the distinguished oh

801  
00:46:55,460 --> 00:46:51,510  
you what come on if you don't I'll step

802  
00:46:57,200 --> 00:46:55,470  
in and take I was enjoying the music so

803  
00:47:00,200 --> 00:46:57,210  
good i won the next piece I want you all

804  
00:47:03,920 --> 00:47:00,210  
to keep going I'd like to also introduce

805  
00:47:06,020 --> 00:47:03,930  
the president fi T Winston's employer

806  
00:47:14,990 --> 00:47:06,030  
dr. Dwayne McKay is here with us today

807  
00:47:16,700 --> 00:47:15,000  
as I saw him earlier well I think we

808  
00:47:20,570 --> 00:47:16,710  
should have the first jazz performance

809  
00:47:25,300 --> 00:47:20,580  
in space and send Winston back up there

810  
00:47:32,330 --> 00:47:28,520  
we are very honored to have us with us

811  
00:47:35,240 --> 00:47:32,340  
who an individual who probably knew

812  
00:47:36,830 --> 00:47:35,250  
Robert Lawrence more than anyone that's

813  
00:47:39,250 --> 00:47:36,840

his sister Barbara Lawrence who's an

814

00:47:43,130 --> 00:47:39,260

amazing individual in and of herself

815

00:47:45,320 --> 00:47:43,140

she's a native of Chicago she has

816

00:47:47,870 --> 00:47:45,330

started her personal professional career

817

00:47:50,180 --> 00:47:47,880

as a social worker in Chicago she's

818

00:47:52,960 --> 00:47:50,190

taught social studies and Chicago

819

00:47:55,340 --> 00:47:52,970

secondary schools moved to New York City

820

00:47:58,010 --> 00:47:55,350

to work for a nonprofit agency

821

00:48:01,550 --> 00:47:58,020

specializing in college counseling and

822

00:48:05,920 --> 00:48:01,560

admissions for minority students she was

823

00:48:09,020 --> 00:48:05,930

a college professor she established the

824

00:48:10,970 --> 00:48:09,030

and she served on many many boards one

825

00:48:13,610 --> 00:48:10,980

most notably she was a senior staff

826

00:48:15,980 --> 00:48:13,620

member on to new york city charter

827

00:48:16,900 --> 00:48:15,990

revision commissions in the city of new

828

00:48:22,400 --> 00:48:16,910

york

829

00:48:24,410 --> 00:48:22,410

she taught University and in New York

830

00:48:26,660 --> 00:48:24,420

City teaching undergraduate courses and

831

00:48:29,780 --> 00:48:26,670

political science went on to become

832

00:48:33,320 --> 00:48:29,790

director of admissions and deputy to the

833

00:48:38,360 --> 00:48:33,330

school where she taught she's served

834

00:48:40,400 --> 00:48:38,370

honorably as a member of the trustees of

835

00:48:43,340 --> 00:48:40,410

the Culinary Institute of America and

836

00:48:46,850 --> 00:48:43,350

has been a remarkable member of the

837

00:48:47,940 --> 00:48:46,860

astronaut Memorial Foundation as a board

838

00:48:51,660 --> 00:48:47,950

member and a member

839

00:48:55,200 --> 00:48:51,670

our trustees she is a doer a giver a

840

00:48:58,040 --> 00:48:55,210

supporter she has served as a leader and

841

00:49:01,290 --> 00:48:58,050

has always been there for us

842

00:49:02,870 --> 00:49:01,300

Barbara please give her a rounding

843

00:49:26,050 --> 00:49:02,880

applause and welcome to there

844

00:49:31,790 --> 00:49:29,120

thank you everybody it's a pleasure to

845

00:49:35,960 --> 00:49:31,800

be here and I wanted a welcome you all

846

00:49:42,520 --> 00:49:35,970

here and I want to especially thank bad

847

00:49:45,950 --> 00:49:42,530

the AMF Omega sci-fi for sponsoring this

848

00:49:48,710 --> 00:49:45,960

momentous occasion I am truly honored by

849

00:49:52,790 --> 00:49:48,720

your efforts and I appreciate all that

850

00:49:57,680 --> 00:49:52,800

you have done I'm going to talk a little

851

00:50:00,320 --> 00:49:57,690

bit about my life with my brother this

852

00:50:02,570 --> 00:50:00,330

short period of time that I shared with

853

00:50:04,910 --> 00:50:02,580

him exclusively before he was married

854

00:50:07,460 --> 00:50:04,920

before he became a full-time member of

855

00:50:10,880 --> 00:50:07,470

the military were the special years that

856

00:50:13,820 --> 00:50:10,890

I think were formative for him I'm the

857

00:50:16,010 --> 00:50:13,830

older of two children and I'm older by

858

00:50:16,610 --> 00:50:16,020

18 months so you can all figure out how

859

00:50:20,030 --> 00:50:16,620

old I am

860

00:50:25,070 --> 00:50:20,040

okay as if the gray hair alone wasn't a

861

00:50:27,020 --> 00:50:25,080

tip for the first I would say 12 years

862

00:50:27,770 --> 00:50:27,030

of our lives we were it was as if we

863

00:50:30,020 --> 00:50:27,780

were twins

864

00:50:32,720 --> 00:50:30,030

we were always together we did

865

00:50:35,300 --> 00:50:32,730

everything together we played baseball

866

00:50:41,240 --> 00:50:35,310

together has anybody here ever heard of

867

00:50:44,630 --> 00:50:41,250

piggy move up well this is the baseball

868

00:50:47,810 --> 00:50:44,640

game you played if you had three at

869

00:50:51,320 --> 00:50:47,820

least three as many as five or more

870

00:50:55,250 --> 00:50:51,330

players you needed a hitter a picture

871

00:50:57,910 --> 00:50:55,260

and a fielder the more players you had

872

00:51:01,370 --> 00:50:57,920

you could add a catcher whatever and as

873

00:51:03,640 --> 00:51:01,380

the hitter hit the ball each person

874

00:51:07,820 --> 00:51:03,650

moved to the next position

875

00:51:11,060 --> 00:51:07,830

piggy move up so everybody got a chance

876

00:51:13,070 --> 00:51:11,070

to play I was the only girl on the team

877

00:51:14,860 --> 00:51:13,080

because I was always with my brother and

878

00:51:17,650 --> 00:51:14,870

I did what he did

879

00:51:20,330 --> 00:51:17,660

it wasn't easy I'm going to tell you

880

00:51:23,510 --> 00:51:20,340

even then it wasn't easy being the only

881

00:51:26,180 --> 00:51:23,520

girl but it was supportive of what my

882

00:51:27,920 --> 00:51:26,190

brother did so I did it now there are

883

00:51:32,060 --> 00:51:27,930

three pillars in our lives that I would

884

00:51:34,490 --> 00:51:32,070

like to stress one was our family we've

885

00:51:34,900 --> 00:51:34,500

heard talk about me but the key persons

886

00:51:38,529 --> 00:51:34,910

were

887

00:51:41,440 --> 00:51:38,539

parents the second pillar was our

888

00:51:44,049 --> 00:51:41,450

schools and the third pillar was our

889

00:51:49,210 --> 00:51:44,059

church I'll talk about each of these

890

00:51:52,900 --> 00:51:49,220

separately on the evening of December

891

00:51:55,599 --> 00:51:52,910

7th 1941 my parents and my brother and I

892

00:51:58,210 --> 00:51:55,609

were listening to the radio and we heard

893

00:52:01,089 --> 00:51:58,220

the monumental broadcast an announcement

894

00:52:03,370 --> 00:52:01,099

by Franklin President Franklin Roosevelt

895

00:52:05,890 --> 00:52:03,380

that the Japanese had bombed Pearl

896

00:52:11,319 --> 00:52:05,900

Harbor and that that day would live as a

897

00:52:14,260 --> 00:52:11,329

day or Infami infamy our folks were

898

00:52:16,569 --> 00:52:14,270

visibly upset but we were kids we didn't

899

00:52:19,510 --> 00:52:16,579

quite understand why but we came to

900

00:52:22,630 --> 00:52:19,520

understand why my father was drafted in

901  
00:52:25,870 --> 00:52:22,640  
the United States Army as were two of

902  
00:52:27,910 --> 00:52:25,880  
his three brothers all of whom had

903  
00:52:29,529 --> 00:52:27,920  
active duty service my father was in the

904  
00:52:31,750 --> 00:52:29,539  
European theater my uncles were in the

905  
00:52:34,059 --> 00:52:31,760  
Pacific Theater but it meant that they

906  
00:52:36,339 --> 00:52:34,069  
had to leave the home that left my

907  
00:52:39,579 --> 00:52:36,349  
mother with two children to take care of

908  
00:52:43,569 --> 00:52:39,589  
she did not work at the time but she got

909  
00:52:46,029 --> 00:52:43,579  
a job an interesting experiment and

910  
00:52:49,539 --> 00:52:46,039  
integration with the Department of the

911  
00:52:52,630 --> 00:52:49,549  
army she and seven other black women

912  
00:52:54,430 --> 00:52:52,640  
were hired to work at the quartermaster

913  
00:52:57,160 --> 00:52:54,440

Depot at the 5th army headquarters in

914

00:53:00,190 --> 00:52:57,170

Chicago they were a pioneering group and

915

00:53:02,920 --> 00:53:00,200

it wasn't easy for them but they

916

00:53:04,750 --> 00:53:02,930

persevered and they made indelible

917

00:53:07,299 --> 00:53:04,760

impressions and my mother went on to a

918

00:53:09,519 --> 00:53:07,309

40-year career in the company and

919

00:53:11,589 --> 00:53:09,529

government service ending up at the

920

00:53:13,450 --> 00:53:11,599

Department of Justice Immigration and

921

00:53:15,609 --> 00:53:13,460

Naturalization Service where she served

922

00:53:17,260 --> 00:53:15,619

with a great distinction such that when

923

00:53:19,240 --> 00:53:17,270

she retired they asked her to come back

924

00:53:22,029 --> 00:53:19,250

and help administer the change in the

925

00:53:26,620 --> 00:53:22,039

immigration law she said no 40 years is

926

00:53:28,690 --> 00:53:26,630

another but she had to go to work so we

927

00:53:29,349 --> 00:53:28,700

needed somebody to take care of us while

928

00:53:31,660 --> 00:53:29,359

she was away

929

00:53:34,289 --> 00:53:31,670

my maternal grandmother stepped into

930

00:53:37,269 --> 00:53:34,299

those shoes and my paternal grandfather

931

00:53:40,930 --> 00:53:37,279

also became a very supportive and

932

00:53:42,789 --> 00:53:40,940

crucial influence in our lives while we

933

00:53:47,450 --> 00:53:42,799

lived at home we spent at least two

934

00:53:54,840 --> 00:53:51,600

he was our first intellectual experience

935

00:53:57,930 --> 00:53:54,850

he had an extensive library including a

936

00:54:00,690 --> 00:53:57,940

set of encyclopedias and so after dinner

937

00:54:03,300 --> 00:54:00,700

we would always read he would read to us

938

00:54:05,100 --> 00:54:03,310

either books he chose books we chose if

939

00:54:07,590 --> 00:54:05,110

we had a question about something you

940

00:54:10,440 --> 00:54:07,600

would say well let's look it up and to

941

00:54:13,380 --> 00:54:10,450

the encyclopedias we would go he taught

942

00:54:15,630 --> 00:54:13,390

us how to play games for example one of

943

00:54:18,030 --> 00:54:15,640

the things we we're a little we learned

944

00:54:20,910 --> 00:54:18,040

was pick up sticks how many people here

945

00:54:22,650 --> 00:54:20,920

have played pick up sticks yeah it's a

946

00:54:25,710 --> 00:54:22,660

great way to develop hand-eye

947

00:54:28,560 --> 00:54:25,720

coordination your little hands trying to

948

00:54:31,830 --> 00:54:28,570

balance and pick up without moving these

949

00:54:36,300 --> 00:54:31,840

sticks he taught us how to play Chinese

950

00:54:38,010 --> 00:54:36,310

checkers and then checkers the point I'm

951  
00:54:41,040 --> 00:54:38,020  
making here is it we were always

952  
00:54:43,590 --> 00:54:41,050  
learning something and the emphasis was

953  
00:54:50,360 --> 00:54:43,600  
on learning something and accomplishing

954  
00:54:54,690 --> 00:54:50,370  
something developing a skill later on

955  
00:54:56,730 --> 00:54:54,700  
when the war ended my dad came home he

956  
00:54:59,310 --> 00:54:56,740  
was had been severely affected by the

957  
00:55:01,890 --> 00:54:59,320  
war and he and my mother ultimately

958  
00:55:05,310 --> 00:55:01,900  
separated but we were very fortunate and

959  
00:55:07,530 --> 00:55:05,320  
having a new person appear in our lives

960  
00:55:10,320 --> 00:55:07,540  
as a father figure with my stepfather

961  
00:55:13,290 --> 00:55:10,330  
Charles Duncan and he continued the same

962  
00:55:16,620 --> 00:55:13,300  
tradition of teaching us things learning

963  
00:55:19,620 --> 00:55:16,630

things they taught also not only things

964

00:55:23,580 --> 00:55:19,630

but principles and precepts they were

965

00:55:25,680 --> 00:55:23,590

very much into character building how

966

00:55:28,770 --> 00:55:25,690

many times have we all heard your word

967

00:55:32,580 --> 00:55:28,780

is your bond you do what you say you're

968

00:55:35,460 --> 00:55:32,590

going to do you have an obligation also

969

00:55:38,070 --> 00:55:35,470

to do things that reflect well not only

970

00:55:42,180 --> 00:55:38,080

on yourself but on your family on your

971

00:55:48,010 --> 00:55:42,190

community and for us on black people we

972

00:55:53,710 --> 00:55:51,640

Dada's we called Charles Duncan taught

973

00:55:56,290 --> 00:55:53,720

us how to play chess and whatever

974

00:55:58,960 --> 00:55:56,300

happened with one happened with both if

975

00:55:59,920 --> 00:55:58,970

Bob did something I did it I did

976

00:56:02,620 --> 00:55:59,930

something he did it

977

00:56:05,020 --> 00:56:02,630

so we were an equal-opportunity family

978

00:56:07,030 --> 00:56:05,030

my mother said if you eat you need to

979

00:56:09,520 --> 00:56:07,040

know how to cook so he became a great

980

00:56:11,650 --> 00:56:09,530

cake baker he watched her he listened he

981

00:56:13,120 --> 00:56:11,660

paid attention to what she said and she

982

00:56:15,359 --> 00:56:13,130

had her favorite set of wooden bowls

983

00:56:17,770 --> 00:56:15,369

that she had gotten from her own mother

984

00:56:19,839 --> 00:56:17,780

he would make the cake in the wooden

985

00:56:24,609 --> 00:56:19,849

bowls test the temperature in the oven

986

00:56:26,950 --> 00:56:24,619

and bake the cake it was always good she

987

00:56:29,640 --> 00:56:26,960

said you wear shirts you need to know

988

00:56:32,740 --> 00:56:29,650

how to iron them well guess what he did

989

00:56:34,599 --> 00:56:32,750

he got the collar he got the cuffs and

990

00:56:37,900 --> 00:56:34,609

then he just pressed the front of the

991

00:56:39,790 --> 00:56:37,910

shirt because he always had to wear a

992

00:56:43,210 --> 00:56:39,800

jacket so he said nobody will see the

993

00:56:46,240 --> 00:56:43,220

rest of his book my mother said no no no

994

00:56:50,620 --> 00:56:46,250

you do the job you do the whole job you

995

00:56:53,470 --> 00:56:50,630

don't have step okay all right the other

996

00:56:55,540 --> 00:56:53,480

thing we learned to do we played my dad

997

00:56:59,230 --> 00:56:55,550

taught us chess and they taught us

998

00:57:01,390 --> 00:56:59,240

bridge and we learned to play bridge bob

999

00:57:03,790 --> 00:57:01,400

became very good at both chess and

1000

00:57:05,980 --> 00:57:03,800

bridge and he played them both for the

1001  
00:57:11,560 --> 00:57:05,990  
rest of his life he was very good at

1002  
00:57:14,109 --> 00:57:11,570  
both me not so much but I could stumble

1003  
00:57:16,570 --> 00:57:14,119  
along what the principle of the bridge

1004  
00:57:20,170 --> 00:57:16,580  
game was was to learn how to count to

1005  
00:57:22,960 --> 00:57:20,180  
learn how to pay attention you could

1006  
00:57:25,390 --> 00:57:22,970  
then tell who played what card what cars

1007  
00:57:27,460 --> 00:57:25,400  
were outstanding which hand was likely

1008  
00:57:29,950 --> 00:57:27,470  
to hold the remaining cards and so you

1009  
00:57:32,230 --> 00:57:29,960  
were able to assess your chance of

1010  
00:57:35,170 --> 00:57:32,240  
success and the outcome of the game it

1011  
00:57:38,770 --> 00:57:35,180  
was all about learning the same thing

1012  
00:57:41,109 --> 00:57:38,780  
was true with the chest as you all know

1013  
00:57:44,140 --> 00:57:41,119

it's a game that requires a great deal

1014

00:57:45,940 --> 00:57:44,150

of thought and skill but we made the

1015

00:57:48,870 --> 00:57:45,950

investment because that's what we were

1016

00:57:52,140 --> 00:57:48,880

taught to do learn how to do things

1017

00:57:55,150 --> 00:57:52,150

think about what you do stick with it

1018

00:57:56,270 --> 00:57:55,160

persevere these are lessons you learn it

1019

00:57:59,480 --> 00:57:56,280

from childhood

1020

00:58:03,680 --> 00:57:59,490

I want to move on to the school part

1021

00:58:06,020 --> 00:58:03,690

well before I depart my mother wanted us

1022

00:58:09,560 --> 00:58:06,030

to learn to play a musical instrument so

1023

00:58:13,010 --> 00:58:09,570

we had appealed at piano she had bought

1024

00:58:15,410 --> 00:58:13,020

a piano during the war she had arranged

1025

00:58:18,080 --> 00:58:15,420

for us to take music lessons at one of

1026

00:58:22,160 --> 00:58:18,090

the downtown conservatories so we would

1027

00:58:24,710 --> 00:58:22,170

troupe off once a week to a lesson but

1028

00:58:26,990 --> 00:58:24,720

we also it was expected we would

1029

00:58:28,790 --> 00:58:27,000

practice every day at least an hour a

1030

00:58:31,370 --> 00:58:28,800

day so when we came home from school we

1031

00:58:34,340 --> 00:58:31,380

had a routine but practice for one hour

1032

00:58:39,140 --> 00:58:34,350

was part of that routine I did it

1033

00:58:41,720 --> 00:58:39,150

diligently but not enthusiastically vibe

1034

00:58:44,990 --> 00:58:41,730

did it diligently and enthusiastically

1035

00:58:47,360 --> 00:58:45,000

such that one day he's on his way to a

1036

00:58:49,370 --> 00:58:47,370

music lesson some of you may have heard

1037

00:58:51,170 --> 00:58:49,380

this story before he's on his way to the

1038

00:58:54,050 --> 00:58:51,180

music lesson and he's about to be late

1039

00:58:57,170 --> 00:58:54,060

and he dashes for in those days it was a

1040

00:58:59,690 --> 00:58:57,180

trolley to go downtown to take his

1041

00:59:02,570 --> 00:58:59,700

lesson and he gets hit by a car as he's

1042

00:59:05,120 --> 00:59:02,580

crossing the street he picks himself up

1043

00:59:06,440 --> 00:59:05,130

dusts himself off and keeps running for

1044

00:59:08,290 --> 00:59:06,450

the trolley and the man who hit him

1045

00:59:11,600 --> 00:59:08,300

stopped he said stop stop little boy

1046

00:59:14,270 --> 00:59:11,610

stop are you hurt he said no I'm not

1047

00:59:15,830 --> 00:59:14,280

hurt he said he said do you want me to

1048

00:59:17,600 --> 00:59:15,840

take you to the doctors no I have to go

1049

00:59:21,410 --> 00:59:17,610

to my music lesson if I miss my lesson

1050

00:59:25,760 --> 00:59:21,420

my mother will kill me so off you went

1051  
00:59:27,320 --> 00:59:25,770  
the men stayed at our house he waited

1052  
00:59:29,570 --> 00:59:27,330  
for one of our parents to come home

1053  
00:59:31,370 --> 00:59:29,580  
because he wanted to be sure that Bob

1054  
00:59:33,560 --> 00:59:31,380  
had not been hurt now this is a

1055  
00:59:35,450 --> 00:59:33,570  
responsible person my mother got home

1056  
00:59:38,120 --> 00:59:35,460  
first and he explained her what happened

1057  
00:59:40,310 --> 00:59:38,130  
by then Bob got back from music lesson

1058  
00:59:41,450 --> 00:59:40,320  
she said well are you all right Bob he

1059  
00:59:44,900 --> 00:59:41,460  
said I'm fine

1060  
00:59:48,710 --> 00:59:44,910  
and she said well thank you sir for

1061  
00:59:51,470 --> 00:59:48,720  
being so attentive but he's all right he

1062  
00:59:55,040 --> 00:59:51,480  
said that's remarkable his main concern

1063  
00:59:57,890 --> 00:59:55,050

was to go to his class so that you would

1064

01:00:00,800 --> 00:59:57,900

not be disappointed and she said well

1065

01:00:01,930 --> 01:00:00,810

that's the kind of boy is very

1066

01:00:05,440 --> 01:00:01,940

responsible

1067

01:00:09,460 --> 01:00:05,450

the man said you

1068

01:00:12,280 --> 01:00:09,470

have a remarkable child and that was

1069

01:00:14,290 --> 01:00:12,290

sort of the tenor of his life he was a

1070

01:00:17,770 --> 01:00:14,300

remarkable child he learned to play the

1071

01:00:22,030 --> 01:00:17,780

piano and he was very very good at it he

1072

01:00:24,490 --> 01:00:22,040

learned it wasn't just notes and I had

1073

01:00:27,099 --> 01:00:24,500

hoped that we might have heard one of

1074

01:00:28,720 --> 01:00:27,109

the recital pieces that he played it was

1075

01:00:31,270 --> 01:00:28,730

interesting because it was Chopin's

1076

01:00:34,770 --> 01:00:31,280

military march military as it's called

1077

01:00:37,990 --> 01:00:34,780

and he loved it and he played it

1078

01:00:39,400 --> 01:00:38,000

throughout his piano playing days when

1079

01:00:42,160 --> 01:00:39,410

he went to Europe he didn't have a piano

1080

01:00:43,420 --> 01:00:42,170

to play so he stopped and I think while

1081

01:00:46,000 --> 01:00:43,430

he was in the Air Force he didn't have a

1082

01:00:48,190 --> 01:00:46,010

piano so he didn't play anymore one of

1083

01:00:52,390 --> 01:00:48,200

my regrets is that his son Tracy never

1084

01:00:55,990 --> 01:00:52,400

heard him play the piano but I did and

1085

01:00:59,530 --> 01:00:56,000

he was very good in any case again

1086

01:01:02,470 --> 01:00:59,540

playing the piano taught discipline that

1087

01:01:04,599 --> 01:01:02,480

practice makes perfect you don't get

1088

01:01:06,810 --> 01:01:04,609

something for nothing you make an

1089

01:01:11,050 --> 01:01:06,820

investment

1090

01:01:14,859 --> 01:01:11,060

moving on to school we were fortunate in

1091

01:01:19,990 --> 01:01:14,869

that we grew up in Chicago during the

1092

01:01:23,170 --> 01:01:20,000

war it was amazing that the city we had

1093

01:01:24,220 --> 01:01:23,180

we experienced rationing we experienced

1094

01:01:27,190 --> 01:01:24,230

blackouts

1095

01:01:29,589 --> 01:01:27,200

we had Victory Garden because everybody

1096

01:01:32,460 --> 01:01:29,599

was committed to the war effort and

1097

01:01:36,970 --> 01:01:32,470

doing what you needed to do to help

1098

01:01:40,359 --> 01:01:36,980

America win the war we grew up with an

1099

01:01:41,980 --> 01:01:40,369

emphasis on patriotism and service we

1100

01:01:44,380 --> 01:01:41,990

were proud of our Father and his

1101

01:01:47,650 --> 01:01:44,390

brothers for their military service and

1102

01:01:50,290 --> 01:01:47,660

believe it in schools I'm somewhat

1103

01:01:54,069 --> 01:01:50,300

surprised that the direction things have

1104

01:01:55,420 --> 01:01:54,079

taken but we stood up with saluting the

1105

01:01:59,440 --> 01:01:55,430

flag and singing the national anthem

1106

01:02:02,280 --> 01:01:59,450

every day patriotism was something that

1107

01:02:05,530 --> 01:02:02,290

was built in us and we appreciate it

1108

01:02:07,990 --> 01:02:05,540

even though the Society was not perfect

1109

01:02:12,680 --> 01:02:08,000

we appreciated the opportunities that we

1110

01:02:15,740 --> 01:02:12,690

had we got wonderful public education

1111

01:02:17,720 --> 01:02:15,750

and in fact one of the few sources of

1112

01:02:21,200 --> 01:02:17,730

discontent between my sister-in-law and

1113

01:02:24,380 --> 01:02:21,210

my brother when the time came to put

1114

01:02:28,010 --> 01:02:24,390

their child in school was she wanted a

1115

01:02:30,410 --> 01:02:28,020

private school and he wanted public he

1116

01:02:32,630 --> 01:02:30,420

said I got a great education in public

1117

01:02:35,210 --> 01:02:32,640

schools she said but they're not the

1118

01:02:37,849 --> 01:02:35,220

same they're not like they used to be

1119

01:02:40,970 --> 01:02:37,859

when you went until we have to send him

1120

01:02:44,839 --> 01:02:40,980

to a private school anyway my point was

1121

01:02:47,329 --> 01:02:44,849

we got great public education we went to

1122

01:02:49,099 --> 01:02:47,339

schools that were racially mixed so we

1123

01:02:51,230 --> 01:02:49,109

learned how to get along with everybody

1124

01:02:55,670 --> 01:02:51,240

and everybody got along with everybody

1125

01:03:00,859 --> 01:02:55,680

the teachers with no exception were

1126

01:03:04,010 --> 01:03:00,869

always white that did not matter because

1127

01:03:06,500 --> 01:03:04,020

they were dedicated they loved what they

1128

01:03:08,960 --> 01:03:06,510

did they were competent at it and they

1129

01:03:12,890 --> 01:03:08,970

encouraged us they not only taught us

1130

01:03:16,250 --> 01:03:12,900

but they appreciated us as people so we

1131

01:03:19,339 --> 01:03:16,260

grew up in that environment moving

1132

01:03:22,910 --> 01:03:19,349

through the world that was a real world

1133

01:03:26,029 --> 01:03:22,920

mixed with different people of all kinds

1134

01:03:29,660 --> 01:03:26,039

my brother's best friend in elementary

1135

01:03:31,670 --> 01:03:29,670

school was ping Tom if you're from

1136

01:03:34,339 --> 01:03:31,680

Chicago you know the ping Tom name

1137

01:03:37,039 --> 01:03:34,349

because he became the informal mayor of

1138

01:03:45,430 --> 01:03:37,049

Chinatown he went on to Harvard Harvard

1139

01:03:47,990 --> 01:03:45,440

Law School smart and rich very rich

1140

01:03:50,660 --> 01:03:48,000

Walter Moy was another of our friends

1141

01:03:52,760 --> 01:03:50,670

the day my brother was killed and it was

1142

01:03:57,079 --> 01:03:52,770

on the news the first person to bound

1143

01:03:59,150 --> 01:03:57,089

into our house was Walter Moy so these

1144

01:04:01,220 --> 01:03:59,160

were lasting relationships there were

1145

01:04:03,799 --> 01:04:01,230

real relationships and they taught us

1146

01:04:06,950 --> 01:04:03,809

valuable lessons about life that we were

1147

01:04:10,510 --> 01:04:06,960

each able to use as we moved through our

1148

01:04:16,950 --> 01:04:13,730

Bob learned things in

1149

01:04:18,900 --> 01:04:16,960

secondary school that stood him well in

1150

01:04:22,440 --> 01:04:18,910

good stead for the rest of his academic

1151  
01:04:25,530 --> 01:04:22,450  
career when we went to high school you

1152  
01:04:27,480 --> 01:04:25,540  
chose our curriculum ours was at our

1153  
01:04:29,640 --> 01:04:27,490  
parents insistence the college

1154  
01:04:31,859 --> 01:04:29,650  
preparatory curriculum which meant that

1155  
01:04:34,319 --> 01:04:31,869  
you started with a foreign language and

1156  
01:04:39,780 --> 01:04:34,329  
different Sciences and so forth Bob

1157  
01:04:42,900 --> 01:04:39,790  
chose German German we had German

1158  
01:04:43,500 --> 01:04:42,910  
friends but he chose German as his

1159  
01:04:48,030 --> 01:04:43,510  
language

1160  
01:04:52,050 --> 01:04:48,040  
I chose French he said well German is

1161  
01:04:53,819 --> 01:04:52,060  
the language of the sciences okay now

1162  
01:04:56,370 --> 01:04:53,829  
maybe he was interested in science

1163  
01:04:59,819 --> 01:04:56,380

because as it as he was growing up he

1164

01:05:03,060 --> 01:04:59,829

got erector sets and chemistry sets and

1165

01:05:04,950 --> 01:05:03,070

my stepfather and Bob would perform

1166

01:05:07,020 --> 01:05:04,960

little experiments on the chemistry sets

1167

01:05:10,880 --> 01:05:07,030

and they got progressively more

1168

01:05:12,089 --> 01:05:10,890

sophisticated as they as he got older

1169

01:05:15,900 --> 01:05:12,099

anyway

1170

01:05:18,150 --> 01:05:15,910

he studied German and his chemistry

1171

01:05:22,020 --> 01:05:18,160

teacher was one of his most important

1172

01:05:24,180 --> 01:05:22,030

influences mr. Sullivan he loved mr.

1173

01:05:26,910 --> 01:05:24,190

Sullivan mr. Sullivan loved him and

1174

01:05:28,890 --> 01:05:26,920

spent time with him I mean nobody was

1175

01:05:30,420 --> 01:05:28,900

clock-watching in those days teachers

1176

01:05:32,490 --> 01:05:30,430

spent time after school with the

1177

01:05:35,700 --> 01:05:32,500

students that they wanted to encourage

1178

01:05:38,099 --> 01:05:35,710

and support he went on to Bradley and

1179

01:05:41,190 --> 01:05:38,109

majored in chemistry and chemistry

1180

01:05:44,550 --> 01:05:41,200

majors at Bradley had to take German for

1181

01:05:46,230 --> 01:05:44,560

four years so he developed a facility

1182

01:05:48,930 --> 01:05:46,240

for the language which was partly

1183

01:05:50,940 --> 01:05:48,940

responsible for the reason he was sent

1184

01:05:54,329 --> 01:05:50,950

as part of that initial group to train

1185

01:05:57,000 --> 01:05:54,339

the retrain the German Air Force now one

1186

01:06:01,050 --> 01:05:57,010

of the stories that he told me this is

1187

01:06:04,079 --> 01:06:01,060

no secondhand story there had been a

1188

01:06:07,050 --> 01:06:04,089

number of fatal accidents at first to

1189

01:06:11,069 --> 01:06:07,060

that work air force base first years it

1190

01:06:15,210 --> 01:06:11,079

was called and being analytical he said

1191

01:06:18,079 --> 01:06:15,220

why is this happening the best pilots

1192

01:06:21,900 --> 01:06:18,089

are being sent here to train these young

1193

01:06:23,050 --> 01:06:21,910

men and we know they're qualified so why

1194

01:06:25,290 --> 01:06:23,060

is it happening

1195

01:06:27,790 --> 01:06:25,300

and he thought and you said I know why

1196

01:06:32,140 --> 01:06:27,800

because we're teaching them in English

1197

01:06:34,750 --> 01:06:32,150

and they don't have time at the speed of

1198

01:06:37,480 --> 01:06:34,760

which they are traveling to translate

1199

01:06:40,720 --> 01:06:37,490

the commands from England English to

1200

01:06:44,730 --> 01:06:40,730

German and then execute they need to be

1201

01:06:46,930 --> 01:06:44,740

taught in their native language a

1202

01:06:49,930 --> 01:06:46,940

recommendation he made to the base

1203

01:06:52,030 --> 01:06:49,940

commander who said well you know what

1204

01:06:54,660 --> 01:06:52,040

that means that means of all of our

1205

01:06:57,940 --> 01:06:54,670

instructors will have to be bilingual

1206

01:07:03,520 --> 01:06:57,950

and my brother said I bet he reported to

1207

01:07:05,800 --> 01:07:03,530

me is it yeah and so the language of

1208

01:07:07,690 --> 01:07:05,810

instruction was changed for which he

1209

01:07:09,340 --> 01:07:07,700

received recommendation by the German

1210

01:07:12,730 --> 01:07:09,350

government it was an important

1211

01:07:15,400 --> 01:07:12,740

innovation and this just like he had

1212

01:07:20,680 --> 01:07:15,410

been well taught that was one of his

1213

01:07:23,650 --> 01:07:20,690

motivations to teach well he came home

1214

01:07:26,230 --> 01:07:23,660

from Germany and the Germans as we all

1215

01:07:30,010 --> 01:07:26,240

know reconstructed their airforce then

1216

01:07:32,470 --> 01:07:30,020

there a military might today he came

1217

01:07:35,260 --> 01:07:32,480

home to go to Ohio State University

1218

01:07:38,320 --> 01:07:35,270

where he studied for and received a PhD

1219

01:07:40,950 --> 01:07:38,330

in physical chemistry and as dr. white

1220

01:07:44,020 --> 01:07:40,960

will tell you that's not just chemistry

1221

01:07:47,800 --> 01:07:44,030

that's something special in chemistry a

1222

01:07:49,780 --> 01:07:47,810

very arduous part of the discipline but

1223

01:07:55,930 --> 01:07:49,790

he did get a PhD in physical chemistry

1224

01:07:58,360 --> 01:07:55,940

and when he graduated and there's a

1225

01:08:00,700 --> 01:07:58,370

photograph of him with the president of

1226

01:08:02,440 --> 01:08:00,710

Ohio State who usually always confers

1227

01:08:06,820 --> 01:08:02,450

the PhD when you get hooded that's a

1228

01:08:10,750 --> 01:08:06,830

special thing my mother said to my

1229

01:08:13,360 --> 01:08:10,760

mother said him well what is your

1230

01:08:17,559 --> 01:08:13,370

favorite thing the air force or

1231

01:08:18,789 --> 01:08:17,569

chemistry and he said I'm the luckiest

1232

01:08:22,210 --> 01:08:18,799

man in the world

1233

01:08:28,450 --> 01:08:22,220

because I get to do the two things

1234

01:08:32,170 --> 01:08:28,460

the most chemistry and flying the two

1235

01:08:35,890 --> 01:08:32,180

things I love you didn't say my wife my

1236

01:08:41,830 --> 01:08:35,900

son my mother my sister the two things I

1237

01:08:43,800 --> 01:08:41,840

love most chemistry and flying that

1238

01:08:47,620 --> 01:08:43,810

gives you kind of a sense of his

1239

01:08:50,200 --> 01:08:47,630

patriotism he loved his country he loved

1240

01:08:52,360 --> 01:08:50,210

the opportunity to serve it and he

1241

01:08:56,200 --> 01:08:52,370

understood something that whatever he

1242

01:08:59,230 --> 01:08:56,210

did was important to those who came

1243

01:09:02,560 --> 01:08:59,240

after because you as we were taught you

1244

01:09:06,220 --> 01:09:02,570

lead by example not only is your words

1245

01:09:08,680 --> 01:09:06,230

your bond but what you do speaks volumes

1246

01:09:09,970 --> 01:09:08,690

for who you are it's not what you say

1247

01:09:14,640 --> 01:09:09,980

it's what you do

1248

01:09:17,890 --> 01:09:14,650

I am truly proud to have been his sister

1249

01:09:20,860 --> 01:09:17,900

when he when he graduated from college

1250

01:09:24,130 --> 01:09:20,870

and went into the military our paths

1251

01:09:27,640 --> 01:09:24,140

diverged he had his life to live and I

1252

01:09:30,310 --> 01:09:27,650

left glad mine and except for trips when

1253

01:09:32,350 --> 01:09:30,320

he came home on vacations and visits I

1254

01:09:35,890 --> 01:09:32,360

didn't get to spend much time with him

1255

01:09:38,320 --> 01:09:35,900

but what I have are the memories of our

1256

01:09:40,510 --> 01:09:38,330

childhood the memories of our growing up

1257

01:09:43,210 --> 01:09:40,520

and the knowledge of the kind of person

1258

01:09:45,370 --> 01:09:43,220

he was the reason he led his life the

1259

01:09:46,240 --> 01:09:45,380

way he did and what he was able to

1260

01:09:48,190 --> 01:09:46,250

accomplish

1261

01:09:49,450 --> 01:09:48,200

he never was interested in being the

1262

01:09:52,480 --> 01:09:49,460

first of anything

1263

01:09:55,540 --> 01:09:52,490

he was only being interested in being

1264

01:09:59,170 --> 01:09:55,550

given an opportunity to do what he could

1265

01:10:04,960 --> 01:09:59,180

do and the Air Force gave him that

1266

01:10:07,150 --> 01:10:04,970

opportunity I don't want to belabor at

1267

01:10:08,170 --> 01:10:07,160

that point but he really did love his

1268

01:10:12,280 --> 01:10:08,180

time in the military

1269

01:10:14,320 --> 01:10:12,290

the third thing the third force was our

1270

01:10:16,950 --> 01:10:14,330

church we grew up as Christian

1271

01:10:21,640 --> 01:10:16,960

Scientists and some of you may have

1272

01:10:23,830 --> 01:10:21,650

ideas about what that means but I can

1273

01:10:25,570 --> 01:10:23,840

tell you it doesn't mean quite what the

1274

01:10:27,220 --> 01:10:25,580

public perception of it is

1275

01:10:29,530 --> 01:10:27,230

oh you're those people who don't go to

1276

01:10:32,320 --> 01:10:29,540

doctors listen nobody keeps a medical

1277

01:10:36,530 --> 01:10:32,330

profession and business any more than me

1278

01:10:39,650 --> 01:10:36,540

so that's not true but there's a there's

1279

01:10:42,680 --> 01:10:39,660

a habit of mind that we because it's a

1280

01:10:45,530 --> 01:10:42,690

kind of intellectual religion we were

1281

01:10:47,270 --> 01:10:45,540

always taught to question one of the big

1282

01:10:49,130 --> 01:10:47,280

questions we used to ask our Sunday

1283

01:10:52,370 --> 01:10:49,140

School teachers which drove them

1284

01:10:54,740 --> 01:10:52,380

absolutely mad unsure well if everything

1285

01:11:03,860 --> 01:10:54,750

is good that was created where did it

1286

01:11:05,840 --> 01:11:03,870

evil come from hmm it's not as if it

1287

01:11:10,310 --> 01:11:05,850

doesn't exist so how do you reconcile

1288

01:11:14,750 --> 01:11:10,320

your notion of good with the appearance

1289

01:11:16,310 --> 01:11:14,760

and reality of evil we talked through we

1290

01:11:17,950 --> 01:11:16,320

in Christian Science you go to Sunday

1291

01:11:22,010 --> 01:11:17,960

School till you're 20

1292

01:11:28,480 --> 01:11:22,020

okay Sunday school they got you when

1293

01:11:34,460 --> 01:11:30,920

socialized into some of the values of

1294

01:11:36,230 --> 01:11:34,470

the church but also we learned lots of

1295

01:11:37,850 --> 01:11:36,240

things about the real world the

1296

01:11:40,520 --> 01:11:37,860

Christian Science Monitor which some of

1297

01:11:43,760 --> 01:11:40,530

you may know is a nationally known and

1298

01:11:45,560 --> 01:11:43,770

highly regarded newspaper it is separate

1299

01:11:47,360 --> 01:11:45,570

from the church it's published by the

1300

01:11:49,520 --> 01:11:47,370

Christian Science publishing society but

1301

01:11:54,260 --> 01:11:49,530

it is not an organ of the church there

1302

01:11:57,680 --> 01:11:54,270

is no editorial involvement every Sunday

1303

01:12:01,610 --> 01:11:57,690

school was responsible for having a

1304

01:12:04,340 --> 01:12:01,620

monitor youth forum that meant the kids

1305

01:12:06,740 --> 01:12:04,350

in the Sunday school up to 20 not such

1306

01:12:09,710 --> 01:12:06,750

kids could participate in the youth

1307

01:12:16,120 --> 01:12:09,720

forum and it was devoted to the study of

1308

01:12:20,480 --> 01:12:16,130

current affairs so our church was a

1309

01:12:22,940 --> 01:12:20,490

quote colored church in the city of

1310

01:12:24,380 --> 01:12:22,950

Chicago it was the only one all the

1311

01:12:27,290 --> 01:12:24,390

other churches were white but that

1312

01:12:30,830 --> 01:12:27,300

didn't matter because when we had the

1313

01:12:33,890 --> 01:12:30,840

monitor Youth Forum meetings we met with

1314

01:12:36,860 --> 01:12:33,900

kids from other churches and we would

1315

01:12:38,450 --> 01:12:36,870

also have contests on the knowledge of

1316

01:12:40,100 --> 01:12:38,460

current affairs because that's what we

1317

01:12:41,339 --> 01:12:40,110

did we discussed current events as

1318

01:12:44,640 --> 01:12:41,349

reported in the news

1319

01:12:46,500 --> 01:12:44,650

and then we meet and discuss it was a

1320

01:12:48,510 --> 01:12:46,510

wonderful opportunity and here we are

1321

01:12:50,939 --> 01:12:48,520

the kids would come to our church we

1322

01:12:53,280 --> 01:12:50,949

would go to their churches so again it

1323

01:12:56,569 --> 01:12:53,290

was an opportunity to interact with

1324

01:12:59,189 --> 01:12:56,579

different people from all over the city

1325

01:13:01,500 --> 01:12:59,199

representing different ethnicities and

1326

01:13:04,350 --> 01:13:01,510

cultures and we all got along and we

1327

01:13:06,720 --> 01:13:04,360

learn things from each other so these

1328

01:13:10,530 --> 01:13:06,730

were the pillars that helped shape our

1329

01:13:16,050 --> 01:13:10,540

lives knowing others working with others

1330

01:13:20,430 --> 01:13:16,060

getting along with others I think the

1331

01:13:25,680 --> 01:13:20,440

person that you see up here reflected

1332

01:13:28,200 --> 01:13:25,690

well all those values and principles I'm

1333

01:13:31,220 --> 01:13:28,210

only sorry that he didn't have an

1334

01:13:36,510 --> 01:13:31,230

opportunity to work a little bit longer

1335

01:13:38,110 --> 01:13:36,520

but I think his job was well done thank

1336

01:14:20,950 --> 01:13:38,120

you

1337

01:14:28,860 --> 01:14:24,850

Wow that was amazing that was absolutely

1338

01:14:31,450 --> 01:14:28,870

one of the best bio presentations

1339

01:14:34,180 --> 01:14:31,460

inspirational talks I've ever heard what

1340

01:14:36,670 --> 01:14:34,190

a remarkable woman what a remarkable man

1341

01:14:41,560 --> 01:14:36,680

two incredible Americans

1342

01:14:46,330 --> 01:14:41,570

I'd like to introduce to you dr. Herman

1343

01:14:49,180 --> 01:14:46,340

white jr. CEO scientists he is going to

1344

01:14:52,030 --> 01:14:49,190

have a presentation for us looking

1345

01:14:56,290 --> 01:14:52,040

forward to it dr. white are you please

1346

01:15:02,530 --> 01:14:59,970

[Applause]

1347

01:15:06,879 --> 01:15:02,540

good morning and thank you very much for

1348

01:15:08,410 --> 01:15:06,889

inviting me here I am going to probably

1349

01:15:11,700 --> 01:15:08,420

say some things that have already been

1350

01:15:14,740 --> 01:15:11,710

said before but I've been told that

1351

01:15:16,620 --> 01:15:14,750

repetition is just fine when you're

1352

01:15:19,209 --> 01:15:16,630

talking about something that's great as

1353

01:15:23,260 --> 01:15:19,219

the person that we're talking about this

1354

01:15:26,379 --> 01:15:23,270

morning this is a slide presentation

1355

01:15:29,109 --> 01:15:26,389

that's part of what we actually did at

1356

01:15:32,919 --> 01:15:29,119

the University Bradley University in

1357

01:15:34,780 --> 01:15:32,929

Peoria I was the memorial lecturer for

1358

01:15:39,010 --> 01:15:34,790

that for that event that's the 50th

1359

01:15:41,470 --> 01:15:39,020

anniversary of of major Lawrence's

1360

01:15:44,350 --> 01:15:41,480

passing so what you see here is

1361

01:15:45,609 --> 01:15:44,360

basically some ideas that I had this is

1362

01:15:47,890 --> 01:15:45,619

a different perspective

1363

01:15:49,780 --> 01:15:47,900

the perspective is not just in terms of

1364

01:15:52,209 --> 01:15:49,790

what a person has done but the

1365

01:15:53,859 --> 01:15:52,219

preparation that was responsible for

1366

01:15:56,229 --> 01:15:53,869

getting him to the point where they made

1367

01:15:58,750 --> 01:15:56,239

the call to say major Lawrence come walk

1368

01:16:01,120 --> 01:15:58,760

in space with us and that requires a

1369

01:16:03,910 --> 01:16:01,130

great deal of effort a great deal of

1370

01:16:05,680 --> 01:16:03,920

work sometimes perseverance and a great

1371

01:16:07,510 --> 01:16:05,690

deal of vision with regard to young

1372

01:16:09,310 --> 01:16:07,520

people when I was talking to the

1373

01:16:11,560 --> 01:16:09,320

students at Bradley University it was

1374

01:16:14,770 --> 01:16:11,570

basically a speech to those students

1375

01:16:16,930 --> 01:16:14,780

because you do not know what talents

1376

01:16:19,120 --> 01:16:16,940

you're going to need when it's time for

1377

01:16:22,300 --> 01:16:19,130

you to actually do the work learning

1378

01:16:24,520 --> 01:16:22,310

German was not necessarily an absolute

1379

01:16:26,080 --> 01:16:24,530

thing that was required but it was

1380

01:16:27,760 --> 01:16:26,090

something that actually changed the

1381

01:16:31,149 --> 01:16:27,770

dynamics of how you actually teach

1382

01:16:33,220 --> 01:16:31,159

German fliers to fly in the next slide

1383

01:16:35,200 --> 01:16:33,230

basically you will see essentially all

1384

01:16:37,419 --> 01:16:35,210

of these topics this is the life of

1385

01:16:40,089 --> 01:16:37,429

major Lawrence and I I have some

1386

01:16:42,669 --> 01:16:40,099

photographs in here that have some

1387

01:16:46,000 --> 01:16:42,679

younger photographs of individuals who

1388

01:16:49,540 --> 01:16:46,010

are in this room so forgive me before I

1389

01:16:52,180 --> 01:16:49,550

even start I know that you know you're

1390

01:16:54,609 --> 01:16:52,190

individuals who walk in space so I have

1391

01:16:56,859 --> 01:16:54,619

to be really special and and careful

1392

01:16:58,839 --> 01:16:56,869

about that let me just get my talk up

1393

01:17:01,000 --> 01:16:58,849

here I'm sorry about that point okay

1394

01:17:03,160 --> 01:17:01,010

here we go

1395

01:17:06,490 --> 01:17:03,170

so major Lawrence and this is a little

1396

01:17:07,810 --> 01:17:06,500

bit more of a history perspective as you

1397

01:17:11,020 --> 01:17:07,820

can see

1398

01:17:12,910 --> 01:17:11,030

a very dynamic man and in the next slide

1399

01:17:14,859 --> 01:17:12,920

you see essentially the historical

1400

01:17:16,479 --> 01:17:14,869

summary now this is the same sort of

1401

01:17:18,939 --> 01:17:16,489

information that you have actually

1402

01:17:21,510 --> 01:17:18,949

already heard about he was born October

1403

01:17:24,089 --> 01:17:21,520

2nd on the south side of Chicago

1404

01:17:27,669 --> 01:17:24,099

graduated from high school and then

1405

01:17:31,419 --> 01:17:27,679

elected as the cadet commander of the

1406

01:17:33,040 --> 01:17:31,429

Air Force ROTC in 1955 graduated Bradley

1407

01:17:36,399 --> 01:17:33,050

University with a degree in chemistry

1408

01:17:39,550 --> 01:17:36,409

and an inner flight an active duty in

1409

01:17:41,140 --> 01:17:39,560

West Germany he returned to the United

1410

01:17:43,240 --> 01:17:41,150

States and started graduate school at

1411

01:17:46,000 --> 01:17:43,250

the Ohio State University in physical

1412

01:17:48,939 --> 01:17:46,010

chemistry and got a PhD in physical

1413

01:17:52,089 --> 01:17:48,949

chemistry not to demean anybody's

1414

01:17:54,939 --> 01:17:52,099

training but sometimes I have been asked

1415

01:17:56,800 --> 01:17:54,949

about people who are interested in going

1416

01:17:58,959 --> 01:17:56,810

into the astronaut corps and what kind

1417

01:18:01,660 --> 01:17:58,969

of training you need to be able to do

1418

01:18:04,419 --> 01:18:01,670

that and I always go back to the time of

1419

01:18:07,270 --> 01:18:04,429

thinking about major Lawrence to say you

1420

01:18:09,490 --> 01:18:07,280

might want to think of getting a PhD and

1421

01:18:12,310 --> 01:18:09,500

they said well why do I need that it's

1422

01:18:15,729 --> 01:18:12,320

because Robert Lawrence got one it's

1423

01:18:19,270 --> 01:18:15,739

it's it's pretty simple and in fact if

1424

01:18:20,859 --> 01:18:19,280

you look at the next slide well the next

1425

01:18:22,899 --> 01:18:20,869

few the next slide where you see

1426

01:18:24,280 --> 01:18:22,909

essentially it's light I'm going to go

1427

01:18:26,410 --> 01:18:24,290

through these a little fast because each

1428

01:18:28,270 --> 01:18:26,420

one of these I want to highlight but I

1429

01:18:30,580 --> 01:18:28,280

don't want to delay belabor this too

1430

01:18:33,550 --> 01:18:30,590

often too long but when you actually

1431

01:18:35,229 --> 01:18:33,560

look at the graduate program and the

1432

01:18:37,390 --> 01:18:35,239

graduate studies that he actually did

1433

01:18:40,510 --> 01:18:37,400

most of the training that was actually

1434

01:18:44,050 --> 01:18:40,520

done in the next slide you will see I

1435

01:18:47,050 --> 01:18:44,060

think Barbara mentioned the the ceremony

1436

01:18:52,540 --> 01:18:47,060

for awarding the PhD and that's the next

1437

01:18:54,609 --> 01:18:52,550

slide after this that one as you can see

1438

01:18:55,689 --> 01:18:54,619

he's getting his PhD in physical

1439

01:18:59,709 --> 01:18:55,699

chemistry

1440

01:19:01,240 --> 01:18:59,719

he was the first astronaut trained in

1441

01:19:03,010 --> 01:19:01,250

chemistry now many of the other

1442

01:19:05,589 --> 01:19:03,020

astronauts and I have the list of the

1443

01:19:08,109 --> 01:19:05,599

first 17 I'm going to ask your

1444

01:19:10,030 --> 01:19:08,119

forgiveness again and I looked at the

1445

01:19:11,709 --> 01:19:10,040

backgrounds of all individuals who

1446

01:19:14,430 --> 01:19:11,719

actually had been chosen in that first

1447

01:19:17,589 --> 01:19:14,440

17 groups of people exceptional

1448

01:19:20,380 --> 01:19:17,599

exceptional individuals many from our

1449

01:19:22,540 --> 01:19:20,390

national academies many who are

1450

01:19:25,000 --> 01:19:22,550

trained and aeronautical engineering

1451

01:19:26,950 --> 01:19:25,010

trained in mechanical engineering there

1452

01:19:29,650 --> 01:19:26,960

were two physicists I have to point that

1453

01:19:33,190 --> 01:19:29,660

out you know and there were also

1454

01:19:35,920 --> 01:19:33,200

individuals who were in in various areas

1455

01:19:38,860 --> 01:19:35,930

of science but there was one

1456

01:19:40,750 --> 01:19:38,870

undergraduate in chemistry and one PhD

1457

01:19:44,050 --> 01:19:40,760

in chemistry and that was Robert

1458

01:19:45,640 --> 01:19:44,060

Lawrence and you might ask if I studied

1459

01:19:48,910 --> 01:19:45,650

chemistry would I think about actually

1460

01:19:51,430 --> 01:19:48,920

flying in space well perhaps not in the

1461

01:19:53,200 --> 01:19:51,440

early days of the Apollo program many of

1462

01:19:56,080 --> 01:19:53,210

us in the academic community would ask

1463

01:19:58,120 --> 01:19:56,090

the questions about whether in fact you

1464

01:20:00,250 --> 01:19:58,130

had to have a particular background to

1465

01:20:02,260 --> 01:20:00,260

go to the moon and one of the things

1466

01:20:03,250 --> 01:20:02,270

that came up was that you might want to

1467

01:20:05,470 --> 01:20:03,260

be a geologist

1468

01:20:08,380 --> 01:20:05,480

after all you you're looking at an area

1469

01:20:10,840 --> 01:20:08,390

that no one had explored before but in

1470

01:20:14,170 --> 01:20:10,850

essence my attitude on it was that you

1471

01:20:18,640 --> 01:20:14,180

had to be an explorer Explorer the next

1472

01:20:23,020 --> 01:20:18,650

slide shows you some of the news reports

1473

01:20:26,050 --> 01:20:23,030

that identified and as Barbara said we

1474

01:20:28,750 --> 01:20:26,060

were called Negroes then the first Negro

1475

01:20:31,390 --> 01:20:28,760

astronaut and when you think about that

1476

01:20:33,100 --> 01:20:31,400

the work that actually is done by

1477

01:20:35,950 --> 01:20:33,110

individuals to train themselves

1478

01:20:39,250 --> 01:20:35,960

academically and otherwise is extremely

1479

01:20:41,650 --> 01:20:39,260

important but this university was very

1480

01:20:44,440 --> 01:20:41,660

very excited about the fact that one of

1481

01:20:46,540 --> 01:20:44,450

their alumni had actually been chosen to

1482

01:20:49,990 --> 01:20:46,550

be trained in the in the military

1483

01:20:53,290 --> 01:20:50,000

astronaut Corp Bradley University in the

1484

01:20:55,000 --> 01:20:53,300

next slide will it's is is interesting

1485

01:20:57,010 --> 01:20:55,010

in the sense that I look at that

1486

01:21:00,280 --> 01:20:57,020

University somewhat like the university

1487

01:21:03,550 --> 01:21:00,290

that well the town that I grew up in and

1488

01:21:05,740 --> 01:21:03,560

the and the Institute that in fact was

1489

01:21:08,070 --> 01:21:05,750

the basis of many of my academic

1490

01:21:10,840 --> 01:21:08,080

experiences

1491

01:21:13,600 --> 01:21:10,850

Lydia Bradley who's founded the

1492

01:21:15,730 --> 01:21:13,610

University with a develop on motivated

1493

01:21:18,010 --> 01:21:15,740

to provide practical knowledge in the

1494

01:21:21,930 --> 01:21:18,020

arts and sciences was not unlike the

1495

01:21:24,790 --> 01:21:21,940

University in Tuskegee Alabama and

1496

01:21:27,730 --> 01:21:24,800

Tuskegee also was a place that provided

1497

01:21:30,310 --> 01:21:27,740

a knowledge and some practical

1498

01:21:32,680 --> 01:21:30,320

experience for independent living by

1499

01:21:33,580 --> 01:21:32,690

people who had actually had not act did

1500

01:21:36,010 --> 01:21:33,590

not have access to

1501

01:21:38,680 --> 01:21:36,020

academic training but it was also the

1502

01:21:42,149 --> 01:21:38,690

home of the Tuskegee Airmen and the Army

1503

01:21:44,470 --> 01:21:42,159

Air Corps in during World War two and

1504

01:21:47,859 --> 01:21:44,480

personally I would like to believe that

1505

01:21:49,930 --> 01:21:47,869

in 1985 when when Robert Lawrence was

1506

01:21:52,120 --> 01:21:49,940

born and going to college in the mid

1507

01:21:54,490 --> 01:21:52,130

1950s and all the accomplishments that

1508

01:21:57,189 --> 01:21:54,500

he had he might very well have thought

1509

01:21:59,320 --> 01:21:57,199

about the Tuskegee Airmen during that

1510

01:22:02,080 --> 01:21:59,330

time I certainly know that I did and

1511

01:22:04,479 --> 01:22:02,090

everyone in my community did the the

1512

01:22:05,919 --> 01:22:04,489

work that those individuals did was

1513

01:22:08,830 --> 01:22:05,929

absolutely amazing

1514

01:22:11,350 --> 01:22:08,840

but remember in the next slide this

1515

01:22:14,280 --> 01:22:11,360

photograph of the people who were called

1516

01:22:17,290 --> 01:22:14,290

Tuskegee Airmen I basically called them

1517

01:22:19,720 --> 01:22:17,300

pioneers these were individuals who

1518

01:22:21,339 --> 01:22:19,730

actually took it upon themselves to go

1519

01:22:24,310 --> 01:22:21,349

out and do something that number one

1520

01:22:26,820 --> 01:22:24,320

everyone said you can't do you shouldn't

1521

01:22:30,220 --> 01:22:26,830

be able to do we're not gonna let you do

1522

01:22:33,040 --> 01:22:30,230

but they did it anyway this is in fact

1523

01:22:35,169 --> 01:22:33,050

the characteristics of a pioneer when

1524

01:22:37,510 --> 01:22:35,179

Robert Lawrence was actually chosen for

1525

01:22:39,729 --> 01:22:37,520

the man orbital laboratory and this is

1526

01:22:41,950 --> 01:22:39,739

in the next slide you'll see essentially

1527

01:22:43,689 --> 01:22:41,960

sort of an artistic picture of it

1528

01:22:46,479 --> 01:22:43,699

originally referred to as the man

1529

01:22:47,890 --> 01:22:46,489

orbiting orbiting laboratory was part of

1530

01:22:50,169 --> 01:22:47,900

the manned spaceflight program of the

1531

01:22:52,419 --> 01:22:50,179

Air Force replacing the military space

1532

01:22:54,520 --> 01:22:52,429

plane project the NASA's concepts of the

1533

01:22:56,830 --> 01:22:54,530

main of the manned space station was

1534

01:22:59,020 --> 01:22:56,840

used as a reconnaissance purposes you

1535

01:23:02,100 --> 01:22:59,030

can see essentially the place where the

1536

01:23:04,780 --> 01:23:02,110

individuals would be in that in that

1537

01:23:07,870 --> 01:23:04,790

system as well as a I think Gemini 3

1538

01:23:10,479 --> 01:23:07,880

links to Gemini 3 capsule in terms of

1539

01:23:16,209 --> 01:23:10,489

the the transport system to get back and

1540

01:23:18,129 --> 01:23:16,219

forth the next slide is a more of a you

1541

01:23:19,720 --> 01:23:18,139

know the the the pictures that you saw

1542

01:23:22,300 --> 01:23:19,730

up there earlier and Barbara mentioned

1543

01:23:25,330 --> 01:23:22,310

this to say how did we get these guys to

1544

01:23:27,790 --> 01:23:25,340

smile but this is a few seconds after

1545

01:23:29,169 --> 01:23:27,800

that photograph so here you see and some

1546

01:23:31,180 --> 01:23:29,179

of those individuals are here and I'm

1547

01:23:33,609 --> 01:23:31,190

I'm very honored to even be in the same

1548

01:23:35,620 --> 01:23:33,619

room with them but they look like

1549

01:23:39,339 --> 01:23:35,630

they're really happy and that's also a

1550

01:23:42,600 --> 01:23:39,349

characteristics of pioneers the the next

1551

01:23:44,479 --> 01:23:42,610

slide shows you essentially the f-104

1552

01:23:49,430 --> 01:23:44,489

starfighter that

1553

01:23:53,779 --> 01:23:49,440

Lawrence was a real pioneer and and

1554

01:23:55,279 --> 01:23:53,789

working with and and flying now the next

1555

01:23:59,049 --> 01:23:55,289

slide tells you something about the

1556

01:24:01,279 --> 01:23:59,059

posthumous recognition that it usually

1557

01:24:04,060 --> 01:24:01,289

provided to many people who give their

1558

01:24:08,959 --> 01:24:04,070

lives and who commit to various things

1559

01:24:11,060 --> 01:24:08,969

in our society particularly from a point

1560

01:24:12,859 --> 01:24:11,070

of view of not really knowing what's

1561

01:24:15,799 --> 01:24:12,869

going to happen in the in the future and

1562

01:24:18,379 --> 01:24:15,809

what you see of course are this the

1563

01:24:21,049 --> 01:24:18,389

various types of recognition that many

1564

01:24:23,000 --> 01:24:21,059

of the folks who we know and many of the

1565

01:24:25,430 --> 01:24:23,010

pioneers that we have in our country and

1566

01:24:28,399 --> 01:24:25,440

around the world for that matter usually

1567

01:24:32,149 --> 01:24:28,409

acquire the naming of lecture halls the

1568

01:24:36,049 --> 01:24:32,159

naming of schools the naming of various

1569

01:24:39,709 --> 01:24:36,059

lecture ships student scholarships and

1570

01:24:46,120 --> 01:24:39,719

so forth in December 8th 1997 that

1571

01:24:48,500 --> 01:24:46,130

family of Lawrence was successful in

1572

01:24:50,330 --> 01:24:48,510

inscribing and having his name inscribed

1573

01:24:52,069 --> 01:24:50,340

on the space mirror memorial here at the

1574

01:24:54,259 --> 01:24:52,079

Kennedy Space Center and that was a

1575

01:24:56,569 --> 01:24:54,269

great day I think for the whole family

1576

01:24:59,660 --> 01:24:56,579

and certainly for the memory of major

1577

01:25:02,540 --> 01:24:59,670

Lawrence let me point out that when we

1578

01:25:04,700 --> 01:25:02,550

think about recognition and it's

1579

01:25:06,350 --> 01:25:04,710

important to know this the reason that

1580

01:25:09,350 --> 01:25:06,360

we're here today is because we do not

1581

01:25:12,739 --> 01:25:09,360

allow those who pioneered and started

1582

01:25:14,839 --> 01:25:12,749

things to be forgotten it is important

1583

01:25:16,549 --> 01:25:14,849

and it's important from the point of

1584

01:25:19,250 --> 01:25:16,559

view of looking in the eyes of young

1585

01:25:21,140 --> 01:25:19,260

people and asking them what is it that

1586

01:25:23,810 --> 01:25:21,150

you want to do where do you want to go

1587

01:25:25,700 --> 01:25:23,820

in your life they can look back on other

1588

01:25:27,979 --> 01:25:25,710

people's lives and say I want to follow

1589

01:25:30,890 --> 01:25:27,989

that path well that path is usually

1590

01:25:34,220 --> 01:25:30,900

closed it's usually closed but that's

1591

01:25:36,529 --> 01:25:34,230

okay because the the road that they open

1592

01:25:38,419 --> 01:25:36,539

up and making that path makes it a lot

1593

01:25:41,089 --> 01:25:38,429

easier I think for the young people and

1594

01:25:44,899 --> 01:25:41,099

to some extent the effort that was put

1595

01:25:47,600 --> 01:25:44,909

in and the success for having dr.

1596

01:25:51,080 --> 01:25:47,610

Lawrence major Lawrence mr. Lawrence

1597

01:25:53,390 --> 01:25:51,090

recognized here in the memorial wall is

1598

01:25:56,509 --> 01:25:53,400

one that I think we should be very very

1599

01:25:57,140 --> 01:25:56,519

proud of and very very concerned happy

1600

01:25:59,030 --> 01:25:57,150

with

1601

01:26:03,050 --> 01:25:59,040

let me point out in the next couple of

1602

01:26:06,680 --> 01:26:03,060

slides that he was also recognized as a

1603

01:26:08,960 --> 01:26:06,690

Distinguished Alumni in June of 1968 at

1604

01:26:17,180 --> 01:26:08,970

Bratton University that's two slides

1605

01:26:18,890 --> 01:26:17,190

from now and the next slide and this

1606

01:26:20,660 --> 01:26:18,900

this is something that happens with a

1607

01:26:22,640 --> 01:26:20,670

lot of universities around the around

1608

01:26:25,420 --> 01:26:22,650

the world to recognize the

1609

01:26:29,780 --> 01:26:25,430

accomplishments of their of their

1610

01:26:31,670 --> 01:26:29,790

graduates the next slide and the next

1611

01:26:35,390 --> 01:26:31,680

two slides actually I want to just

1612

01:26:37,310 --> 01:26:35,400

finish by saying something very I'm an

1613

01:26:39,500 --> 01:26:37,320

academic so you know I smash atoms for a

1614

01:26:41,510 --> 01:26:39,510

living and I worked at a the world's

1615

01:26:43,820 --> 01:26:41,520

highest energy particle accelerators so

1616

01:26:46,490 --> 01:26:43,830

you know I'm usually in my head more

1617

01:26:49,670 --> 01:26:46,500

than talking to people but I'm very very

1618

01:26:53,720 --> 01:26:49,680

happy to look at this particular process

1619

01:26:57,140 --> 01:26:53,730

what you see here is a list and with

1620

01:26:58,880 --> 01:26:57,150

incredible respect of the 17 individuals

1621

01:27:01,070 --> 01:26:58,890

who are part of the mold program I

1622

01:27:04,820 --> 01:27:01,080

consider these individuals to be

1623

01:27:06,740 --> 01:27:04,830

pioneers as well the idea of actually

1624

01:27:09,440 --> 01:27:06,750

being trained and what it meant to be

1625

01:27:11,900 --> 01:27:09,450

trained and live in space with something

1626

01:27:13,640 --> 01:27:11,910

entirely different than the kind of

1627

01:27:16,430 --> 01:27:13,650

pioneering that we saw and thought about

1628

01:27:19,190 --> 01:27:16,440

in the past some of the individuals that

1629

01:27:21,740 --> 01:27:19,200

you see on this list are here I know I

1630

01:27:24,410 --> 01:27:21,750

identified a number of individuals here

1631

01:27:29,180 --> 01:27:24,420

some of whom are in the room but I

1632

01:27:32,000 --> 01:27:29,190

identified commander truly specifically

1633

01:27:35,750 --> 01:27:32,010

because commander truly is in Group one

1634

01:27:37,910 --> 01:27:35,760

and major Lawrence is in group 3 and a

1635

01:27:39,830 --> 01:27:37,920

number of seven of slightly more than

1636

01:27:42,800 --> 01:27:39,840

seven actually of the individuals that

1637

01:27:45,380 --> 01:27:42,810

were part of this list went on to be a

1638

01:27:47,570 --> 01:27:45,390

part of the space transport system the

1639

01:27:51,140 --> 01:27:47,580

space shuttle program and I have no

1640

01:27:53,060 --> 01:27:51,150

doubt in my mind that had had major

1641

01:27:55,610 --> 01:27:53,070

Lawrence survived he would have probably

1642

01:27:59,480 --> 01:27:55,620

been a part of that transition as well

1643

01:28:01,160 --> 01:27:59,490

but I I know I note Richard truly

1644

01:28:04,190 --> 01:28:01,170

particularly because he was the

1645

01:28:06,890 --> 01:28:04,200

commander in the next slide you'll see a

1646

01:28:08,690 --> 01:28:06,900

copy of my flight cover of this of the

1647

01:28:10,550 --> 01:28:08,700

STS eight which is the first night

1648

01:28:13,010 --> 01:28:10,560

launch of the space shuttle and I

1649

01:28:15,590 --> 01:28:13,020

tene 83 and the next slide will show you

1650

01:28:17,330 --> 01:28:15,600

well the next couple of slides will show

1651

01:28:20,450 --> 01:28:17,340

you essentially what that group of

1652

01:28:22,760 --> 01:28:20,460

individuals look like it's its imprint

1653

01:28:25,070 --> 01:28:22,770

it's important to recognize the fact

1654

01:28:27,590 --> 01:28:25,080

that it was mentioned earlier about this

1655

01:28:29,390 --> 01:28:27,600

particular historic flight in terms of

1656

01:28:31,400 --> 01:28:29,400

the sociology that's important in our

1657

01:28:33,740 --> 01:28:31,410

country and the participation that

1658

01:28:35,600 --> 01:28:33,750

people have there are people like Diane

1659

01:28:38,450 --> 01:28:35,610

Bluford there are people like Robert

1660

01:28:40,820 --> 01:28:38,460

Lawrence who are pioneers they will go

1661

01:28:42,830 --> 01:28:40,830

the extra distance they will take that

1662

01:28:46,280 --> 01:28:42,840

step out where no one has stepped before

1663

01:28:49,640 --> 01:28:46,290

and actually show the way for us in the

1664

01:28:52,580 --> 01:28:49,650

next slide on that night I was really

1665

01:28:53,300 --> 01:28:52,590

honored to have met it wasn't general

1666

01:28:56,660 --> 01:28:53,310

Bowden them

1667

01:28:58,520 --> 01:28:56,670

this is 1983 the first night launch of

1668

01:29:00,650 --> 01:28:58,530

space shuttle and so I had a chance to

1669

01:29:03,170 --> 01:29:00,660

talk in at length with with general

1670

01:29:05,150 --> 01:29:03,180

Bolden and and and I was motivated then

1671

01:29:08,720 --> 01:29:05,160

I said well I I think it's time for me

1672

01:29:10,490 --> 01:29:08,730

to go up to but there was a difference

1673

01:29:13,130 --> 01:29:10,500

in terms of that that the shuttle

1674

01:29:14,900 --> 01:29:13,140

actually was scheduled for two for 9:30

1675

01:29:15,290 --> 01:29:14,910

and it actually went off at 2:30 in the

1676  
01:29:17,780 --> 01:29:15,300  
morning

1677  
01:29:19,780 --> 01:29:17,790  
there are some other in the next slide

1678  
01:29:21,650 --> 01:29:19,790  
you will see there are other

1679  
01:29:25,880 --> 01:29:21,660  
african-americans who are part of the

1680  
01:29:29,390 --> 01:29:25,890  
space program this is from the a mural

1681  
01:29:31,190 --> 01:29:29,400  
at the Lambert International Airport in

1682  
01:29:33,440 --> 01:29:31,200  
st. Louis Missouri is much larger than

1683  
01:29:37,040 --> 01:29:33,450  
this but as you can see there's a major

1684  
01:29:40,150 --> 01:29:37,050  
Lawrence there general Bowden and a

1685  
01:29:41,800 --> 01:29:40,160  
number of other individuals my friend

1686  
01:29:45,290 --> 01:29:41,810  
Ron McNair

1687  
01:29:48,520 --> 01:29:45,300  
who is also a physicist I want to just

1688  
01:29:51,260 --> 01:29:48,530

mention just briefly on the next slide a

1689

01:29:53,630 --> 01:29:51,270

incomplete list of african-americans who

1690

01:29:55,490 --> 01:29:53,640

and NASA actually puts this slide

1691

01:29:57,320 --> 01:29:55,500

together I got it from their website of

1692

01:30:00,830 --> 01:29:57,330

African Americans who are astronauts

1693

01:30:03,530 --> 01:30:00,840

these individuals benefit from the fact

1694

01:30:06,230 --> 01:30:03,540

that Robert Lawrence took that step and

1695

01:30:09,710 --> 01:30:06,240

said yes I will be trained and I will go

1696

01:30:12,140 --> 01:30:09,720

and I will be an astronaut I am really

1697

01:30:14,300 --> 01:30:12,150

honored to have known a number of these

1698

01:30:17,000 --> 01:30:14,310

individuals and the next slide

1699

01:30:20,420 --> 01:30:17,010

I will show you certainly may Jameson

1700

01:30:22,560 --> 01:30:20,430

when we were in South Africa motivating

1701

01:30:25,980 --> 01:30:22,570

in her case young women

1702

01:30:28,620 --> 01:30:25,990

in South Africa to concern to consider

1703

01:30:30,450 --> 01:30:28,630

technology as a career this is a

1704

01:30:32,970 --> 01:30:30,460

worldwide thing I think our country

1705

01:30:35,160 --> 01:30:32,980

leads the world in terms of making sure

1706

01:30:37,590 --> 01:30:35,170

that people understand that there are

1707

01:30:41,040 --> 01:30:37,600

paths in life and we actually are

1708

01:30:45,270 --> 01:30:41,050

pioneers as a as a country let me finish

1709

01:30:49,130 --> 01:30:45,280

by saying that as general Bolden said

1710

01:30:51,900 --> 01:30:49,140

earlier what was going on inside of the

1711

01:30:54,690 --> 01:30:51,910

the country during the time that he

1712

01:30:56,790 --> 01:30:54,700

actually passed away and I want to make

1713

01:30:59,550 --> 01:30:56,800

just two points in the next slide you

1714

01:31:02,730 --> 01:30:59,560

will see essentially a quote that was

1715

01:31:05,640 --> 01:31:02,740

made by a person at a community college

1716

01:31:08,010 --> 01:31:05,650

but read by Jhumpa by Jim Lovell

1717

01:31:10,350 --> 01:31:08,020

commander of Apollo 13 while many would

1718

01:31:12,030 --> 01:31:10,360

consider them exclusive Jackson notes

1719

01:31:13,590 --> 01:31:12,040

there are many interesting parallels

1720

01:31:16,470 --> 01:31:13,600

between the civil rights movement and

1721

01:31:18,260 --> 01:31:16,480

the space program in the 1957 while the

1722

01:31:20,490 --> 01:31:18,270

nation was torn by the interaction

1723

01:31:22,680 --> 01:31:20,500

integration of the Little Rock Schools

1724

01:31:26,040 --> 01:31:22,690

the country was also galvanized by the

1725

01:31:28,140 --> 01:31:26,050

launch of the Sputnik in 1962 while the

1726

01:31:31,290 --> 01:31:28,150

Freedom Riders were registering votes in

1727

01:31:33,240 --> 01:31:31,300

South John Glenn bound us all by

1728

01:31:35,190 --> 01:31:33,250

orbiting the earth and at the end of the

1729

01:31:37,770 --> 01:31:35,200

1960's Americans walked on the moon

1730

01:31:39,570 --> 01:31:37,780

while also mounting the loss of Martin

1731

01:31:40,860 --> 01:31:39,580

Luther King and throughout the entire

1732

01:31:42,900 --> 01:31:40,870

civil rights movement there were African

1733

01:31:46,410 --> 01:31:42,910

Americans also involved in a space

1734

01:31:48,120 --> 01:31:46,420

program I want to just sort of say that

1735

01:31:50,130 --> 01:31:48,130

when you look at the perspective of

1736

01:31:52,140 --> 01:31:50,140

people who start out and get their

1737

01:31:54,710 --> 01:31:52,150

training and do work in science

1738

01:31:59,340 --> 01:31:54,720

technology engineering mathematics

1739

01:32:02,340 --> 01:31:59,350

society aerospace work you have to

1740

01:32:06,000 --> 01:32:02,350

remember that sometimes it's a lonely

1741

01:32:08,160 --> 01:32:06,010

lonely effort because now there are

1742

01:32:10,560 --> 01:32:08,170

people who are living in space literally

1743

01:32:14,100 --> 01:32:10,570

living in space but what do we see on

1744

01:32:16,170 --> 01:32:14,110

news programs is usually about some

1745

01:32:18,930 --> 01:32:16,180

sociological issue that we will not

1746

01:32:22,290 --> 01:32:18,940

resolve but the idea that we actually

1747

01:32:24,900 --> 01:32:22,300

have people from our planet living in

1748

01:32:28,410 --> 01:32:24,910

space around our planet doesn't make the

1749

01:32:33,240 --> 01:32:28,420

news anymore so I love I implore you

1750

01:32:36,270 --> 01:32:33,250

hunt out those particular reports be

1751

01:32:36,599 --> 01:32:36,280

very conscious of the fact that we PI

1752

01:32:39,239 --> 01:32:36,609

and

1753

01:32:41,549 --> 01:32:39,249

we'll actually do things without having

1754

01:32:43,739 --> 01:32:41,559

a great deal of recognition but that we

1755

01:32:45,659 --> 01:32:43,749

have to remember the Robert Lawrence's

1756

01:32:47,790 --> 01:32:45,669

of the world who actually did that

1757

01:32:50,939 --> 01:32:47,800

pioneering and we have to keep their

1758

01:32:54,479 --> 01:32:50,949

memory very very fresh in our in our

1759

01:32:57,209 --> 01:32:54,489

memory so the last two slides actually

1760

01:32:59,849 --> 01:32:57,219

are photographs artistic photographs and

1761

01:33:02,459 --> 01:32:59,859

I think they're very great let me thank

1762

01:33:04,560 --> 01:33:02,469

dr. Barbara Lawrence for suggesting my

1763

01:33:06,419 --> 01:33:04,570

being here today and I'm grateful to the

1764

01:33:08,639 --> 01:33:06,429

astronaut Memorial Foundation for the

1765

01:33:10,860 --> 01:33:08,649

opportunity to speak and participate in

1766

01:33:23,020 --> 01:33:10,870

this ceremony thank you very much

1767

01:33:49,010 --> 01:33:26,150

now on my program I have Winston Scott's

1768

01:33:53,570 --> 01:33:51,380

as the bank um comes forward let me do

1769

01:33:55,970 --> 01:33:53,580

one more thing real quick if you go on

1770

01:33:58,640 --> 01:33:55,980

google and put any of your names in

1771

01:34:00,710 --> 01:33:58,650

there something may come up some of you

1772

01:34:03,380 --> 01:34:00,720

have a little bit some of you have a lot

1773

01:34:04,850 --> 01:34:03,390

but if you google Marva King more stuff

1774

01:34:07,250 --> 01:34:04,860

will come up and you have time to read

1775

01:34:09,440 --> 01:34:07,260

more importantly most stuff will come up

1776

01:34:10,910 --> 01:34:09,450

then you have time to listen to we're

1777

01:34:14,150 --> 01:34:10,920

very very privileged to have their

1778

01:34:38,170 --> 01:34:14,160

national recording star Marva King

1779

01:35:33,440 --> 01:34:59,140

[Music]

1780

01:36:49,020 --> 01:35:33,450

in other words you please read

1781

01:36:56,040 --> 01:36:53,830

amongst the staff let me see what spring

1782

01:37:21,590 --> 01:36:56,050

you like all

1783

01:37:21,600 --> 01:37:28,930

you

1784

01:37:59,410 --> 01:37:38,780

[Music]

1785

01:37:59,410 --> 01:38:27,649

[Applause]

1786

01:38:38,180 --> 01:38:29,570

well thank you Marvel well that's

1787

01:38:39,830 --> 01:38:38,190

fantastic very special well in the

1788

01:38:42,890 --> 01:38:39,840

pictures that we solve the members of

1789

01:38:45,490 --> 01:38:42,900

the manned orbiting lab upon the screen

1790

01:38:48,020 --> 01:38:45,500

one of those individuals is here to

1791

01:38:49,700 --> 01:38:48,030

speak with us and it's a gentleman whose

1792

01:38:52,399 --> 01:38:49,710

resume is so long would be here the rest

1793

01:38:55,490 --> 01:38:52,409

of the afternoon but he he truly is an

1794

01:38:57,490 --> 01:38:55,500

American Hero he served with Robert

1795

01:39:01,479 --> 01:38:57,500

Lawrence on the man orbiting lab program

1796

01:39:04,640 --> 01:39:01,489

he led the Strategic Defense Initiative

1797

01:39:07,250 --> 01:39:04,650

that under President Reagan for the

1798

01:39:11,330 --> 01:39:07,260

defense of our national national assets

1799

01:39:15,350 --> 01:39:11,340

our national safety he 49 missions in

1800

01:39:18,709 --> 01:39:15,360

Southeast Asia to Major General James

1801  
01:39:20,050 --> 01:39:18,719  
Abramson Lieutenant General James

1802  
01:39:28,820 --> 01:39:20,060  
Everson

1803  
01:39:36,990 --> 01:39:33,270  
all of us that are here Auto first thing

1804  
01:39:40,920 --> 01:39:37,000  
just one minute about Bob and the

1805  
01:39:44,250 --> 01:39:40,930  
relationship that here we are there's

1806  
01:39:48,210 --> 01:39:44,260  
many many people some that I know some

1807  
01:39:52,830 --> 01:39:48,220  
good friends some absolute strangers and

1808  
01:39:55,800 --> 01:39:52,840  
we are all connected in a way built

1809  
01:39:59,070 --> 01:39:55,810  
around what Bob contributed and what he

1810  
01:40:03,240 --> 01:39:59,080  
did and I want to talk about our class

1811  
01:40:07,110 --> 01:40:03,250  
our test pilot class where all of us

1812  
01:40:10,050 --> 01:40:07,120  
came in as strangers none of us knew the

1813  
01:40:13,290 --> 01:40:10,060

team that was there none of us knew

1814

01:40:18,360 --> 01:40:13,300

those who were competing for the manned

1815

01:40:22,740 --> 01:40:18,370

orbiting laboratory before and what we

1816

01:40:27,600 --> 01:40:22,750

did we all came to Edwards Air Force

1817

01:40:31,320 --> 01:40:27,610

Base now I like scribe Edwards in one

1818

01:40:32,550 --> 01:40:31,330

way there is no place in the continental

1819

01:40:38,370 --> 01:40:32,560

United States

1820

01:40:39,750 --> 01:40:38,380

that is further from anywhere it's in

1821

01:40:44,760 --> 01:40:39,760

the high desert

1822

01:40:47,370 --> 01:40:44,770

north of Los Angeles and it is really an

1823

01:40:52,080 --> 01:40:47,380

isolated place the reason that it's

1824

01:40:56,010 --> 01:40:52,090

there is that there are these being big

1825

01:41:01,070 --> 01:40:56,020

dry lakes and the best one to land an

1826

01:41:05,460 --> 01:41:01,080

airplane or a space shuttle or other

1827

01:41:09,180 --> 01:41:05,470

aeronautical vehicles is the dry lake

1828

01:41:14,070 --> 01:41:09,190

and Edwards know it's dry most of the

1829

01:41:17,550 --> 01:41:14,080

time and the reason that it makes a

1830

01:41:20,430 --> 01:41:17,560

smooth sandy hard sand surface is

1831

01:41:24,210 --> 01:41:20,440

because sometimes in a year

1832

01:41:27,780 --> 01:41:24,220

it'll get wet and the wind up there is

1833

01:41:32,150 --> 01:41:27,790

so profound sometimes that it just

1834

01:41:35,899 --> 01:41:32,160

serves to finish the surface on the lake

1835

01:41:38,060 --> 01:41:35,909

so the x-15 was flown from

1836

01:41:42,529 --> 01:41:38,070

that area so it could land on the lake

1837

01:41:45,620 --> 01:41:42,539

many other vehicles amazing vehicles

1838

01:41:50,000 --> 01:41:45,630

were flown there and at Edwards is the

1839

01:41:53,810 --> 01:41:50,010

Air Force test pilot school and we were

1840

01:41:58,879 --> 01:41:53,820

all selected along with another group to

1841

01:42:02,149 --> 01:41:58,889

be an amazing class there we had more

1842

01:42:07,580 --> 01:42:02,159

advanced degrees than all of the

1843

01:42:12,979 --> 01:42:07,590

instructors and all of these all of the

1844

01:42:17,509 --> 01:42:12,989

staff and at the place we produced more

1845

01:42:20,540 --> 01:42:17,519

general officers with more stars out of

1846

01:42:21,439 --> 01:42:20,550

that class than ever had been there

1847

01:42:24,439 --> 01:42:21,449

before

1848

01:42:27,020 --> 01:42:24,449

and and people talked about what Bob

1849

01:42:29,299 --> 01:42:27,030

could have done and would have done but

1850

01:42:33,799 --> 01:42:29,309

I want to concentrate on what he really

1851

01:42:38,179 --> 01:42:33,809

did with us and for us as students at

1852

01:42:41,469 --> 01:42:38,189

the Air Force test pilot school now what

1853

01:42:45,649 --> 01:42:41,479

did we do there was a tough tough

1854

01:42:48,859 --> 01:42:45,659

academic program and obviously Bob with

1855

01:42:54,790 --> 01:42:48,869

bringing in one of two PhDs in that

1856

01:42:59,359 --> 01:42:54,800

class was great intellect a coach for us

1857

01:43:02,000 --> 01:42:59,369

and helped us in many ways academically

1858

01:43:04,879 --> 01:43:02,010

but the best part of the school was

1859

01:43:08,629 --> 01:43:04,889

flying every machine different machine

1860

01:43:11,089 --> 01:43:08,639

good and bad that we ever had a chance

1861

01:43:16,819 --> 01:43:11,099

to get wouldn't have had a chance to get

1862

01:43:20,390 --> 01:43:16,829

our hands on in any other venue now

1863

01:43:23,060 --> 01:43:20,400

there is I'll have to say a Navy test

1864

01:43:27,949 --> 01:43:23,070

pilot school and since I'm going to be

1865

01:43:31,040 --> 01:43:27,959

followed by Bob Crippen he may want to

1866

01:43:33,949 --> 01:43:31,050

find out that that's a unique place as

1867

01:43:36,370 --> 01:43:33,959

well but that's a little closer to

1868

01:43:40,690 --> 01:43:36,380

civilization Bob and

1869

01:43:44,350 --> 01:43:40,700

and we have rarely got out so we worked

1870

01:43:48,940 --> 01:43:44,360

incredibly hard we lived in a little

1871

01:43:52,060 --> 01:43:48,950

kind of a group of small old hot

1872

01:43:56,230 --> 01:43:52,070

one-story houses that were where the

1873

01:43:59,890 --> 01:43:56,240

student body was living and we were all

1874

01:44:03,510 --> 01:43:59,900

kind of together bunched together there

1875

01:44:06,220 --> 01:44:03,520

were other houses around where the

1876

01:44:09,400 --> 01:44:06,230

instructors lived and other people who

1877

01:44:12,400 --> 01:44:09,410

worked and lived and contributed that

1878

01:44:15,100 --> 01:44:12,410

Edwards live all one story I'll

1879

01:44:18,790 --> 01:44:15,110

emphasize that later come back to the

1880

01:44:21,730 --> 01:44:18,800

one story Bob lived around the corner

1881

01:44:24,790 --> 01:44:21,740

Bob and Barbara live just kind of around

1882

01:44:27,370 --> 01:44:24,800

the corner from me and he happened to

1883

01:44:31,180 --> 01:44:27,380

have two children just about the same

1884

01:44:34,390 --> 01:44:31,190

ages as my two children and they went to

1885

01:44:39,310 --> 01:44:34,400

school together at a little school on

1886

01:44:42,840 --> 01:44:39,320

the base because it was an eternal ride

1887

01:44:46,240 --> 01:44:42,850

to get off the base to go to any school

1888

01:44:50,080 --> 01:44:46,250

and they played together we had lots of

1889

01:44:53,140 --> 01:44:50,090

things that went on and some fairly

1890

01:44:57,580 --> 01:44:53,150

unique that you wouldn't have gotten by

1891

01:45:01,720 --> 01:44:57,590

the way the decor and the architecture

1892

01:45:06,240 --> 01:45:01,730

of the yards and all that was desert

1893

01:45:10,030 --> 01:45:06,250

basic which meant that there were a few

1894

01:45:10,660 --> 01:45:10,040

animal skulls in the front yard of here

1895

01:45:14,890 --> 01:45:10,670

and there

1896

01:45:18,850 --> 01:45:14,900

there were cactus of course not much

1897

01:45:21,760 --> 01:45:18,860

green at all I happen to have in my back

1898

01:45:25,540 --> 01:45:21,770

yard because my wife really worked at it

1899

01:45:29,050 --> 01:45:25,550

a little bit of grass and a fenced yard

1900

01:45:31,960 --> 01:45:29,060

and one of the challenges that Bob's

1901

01:45:36,520 --> 01:45:31,970

children and my children together they

1902

01:45:39,810 --> 01:45:36,530

discovered a huge desert tortoise kind

1903

01:45:42,550 --> 01:45:39,820

of walking behind one of the houses you

1904

01:45:44,669 --> 01:45:42,560

may have been running but nobody could

1905

01:45:48,580 --> 01:45:44,679

tell at a corner

1906

01:45:51,430 --> 01:45:48,590

and they were able to maneuver this

1907

01:45:54,430 --> 01:45:51,440

toward us in a way through my back gate

1908

01:45:57,040 --> 01:45:54,440

and get him in there and of course he

1909

01:46:00,189 --> 01:45:57,050

found grass that was really unusual for

1910

01:46:03,669 --> 01:46:00,199

this desert tortoise and one of the

1911

01:46:06,879 --> 01:46:03,679

issues Bob and I had were to explain to

1912

01:46:10,719 --> 01:46:06,889

our kids that you can't keep this

1913

01:46:13,180 --> 01:46:10,729

tortoise you have to return him back to

1914

01:46:15,819 --> 01:46:13,190

where you really lived and work maybe he

1915

01:46:18,759 --> 01:46:15,829

had babies or a wife or something

1916

01:46:22,450 --> 01:46:18,769

somewhere and so we explained that Bob

1917

01:46:25,049 --> 01:46:22,460

was instrumental in in persuading my

1918

01:46:32,200 --> 01:46:25,059

kids who were particularly stubborn

1919

01:46:36,790 --> 01:46:32,210

about the whole process as we worked the

1920

01:46:39,450 --> 01:46:36,800

class work together and Bob was as I

1921

01:46:43,660 --> 01:46:39,460

mentioned a leader in our academic

1922

01:46:46,810 --> 01:46:43,670

efforts but he was also terrific to fly

1923

01:46:50,529 --> 01:46:46,820

with he was a great pilot

1924

01:46:54,879 --> 01:46:50,539

we had some airplanes and in the top

1925

01:46:58,029 --> 01:46:54,889

picture up there as on the nose section

1926

01:47:04,060 --> 01:46:58,039

of a 104 but that's a one place one out

1927

01:47:06,549 --> 01:47:04,070

for we had some to place 104 so in our

1928

01:47:09,729 --> 01:47:06,559

missions we were either solo in it and

1929

01:47:15,700 --> 01:47:09,739

maybe flying in formation one in chase

1930

01:47:18,189 --> 01:47:15,710

and one doing a series of tests or if we

1931

01:47:21,250 --> 01:47:18,199

had a two-place mission we were doing

1932

01:47:25,120 --> 01:47:21,260

some special maneuvers that had been

1933

01:47:29,489 --> 01:47:25,130

invented not as student maneuvers but to

1934

01:47:32,979 --> 01:47:29,499

train people in some of the new kinds of

1935

01:47:37,400 --> 01:47:32,989

vehicles that were coming and these were

1936

01:47:39,950 --> 01:47:37,410

essentially wingless lifting bodies

1937

01:47:43,880 --> 01:47:39,960

and one of the really great maneuvers a

1938

01:47:47,510 --> 01:47:43,890

strange one with these two airplanes was

1939

01:47:49,610 --> 01:47:47,520

to get at about 12,000 feet and when you

1940

01:47:52,010 --> 01:47:49,620

look down it looked like you were right

1941

01:47:54,530 --> 01:47:52,020

over the end of runway then you would

1942

01:47:57,170 --> 01:47:54,540

drop the gear and drop all the drag

1943

01:48:01,910 --> 01:47:57,180

devices on the machine put the machine

1944

01:48:04,700 --> 01:48:01,920

in and in your minimum throttle setting

1945

01:48:08,030 --> 01:48:04,710

and point it straight down and then

1946

01:48:10,550 --> 01:48:08,040

practice a landing and that was part of

1947

01:48:14,390 --> 01:48:10,560

Bob's contribution to learning in a

1948

01:48:20,390 --> 01:48:14,400

shuttle landing and in terms of all of

1949

01:48:22,130 --> 01:48:20,400

those techniques so we got to fly a lot

1950

01:48:26,000 --> 01:48:22,140

together

1951

01:48:28,520 --> 01:48:26,010

I remember just about every flight you

1952

01:48:31,220 --> 01:48:28,530

know we were all eager to go and Bob

1953

01:48:35,090 --> 01:48:31,230

would come out with me and we we'd go

1954

01:48:40,580 --> 01:48:35,100

out to the airplane and bothered be

1955

01:48:44,620 --> 01:48:40,590

strolling along very calmly he not no

1956

01:48:48,230 --> 01:48:44,630

one has mentioned that one of his unique

1957

01:48:53,420 --> 01:48:48,240

abilities was to be calm in every

1958

01:48:57,970 --> 01:48:53,430

circumstance even when his fellow pilot

1959

01:49:00,950 --> 01:48:57,980

on the mission was going nuts with

1960

01:49:06,380 --> 01:49:00,960

getting all ready for the mission and he

1961

01:49:08,510 --> 01:49:06,390

usually had a quote to like always walk

1962

01:49:10,790 --> 01:49:08,520

slow but never turn and look back

1963

01:49:12,590 --> 01:49:10,800

because something really bad may be

1964

01:49:17,800 --> 01:49:12,600

right back there and you're better off

1965

01:49:23,480 --> 01:49:17,810

not knowing it but so he taught us and

1966

01:49:25,880 --> 01:49:23,490

he helped us in what perhaps is the one

1967

01:49:28,899 --> 01:49:25,890

thing that has been inferred and talked

1968

01:49:32,159 --> 01:49:28,909

to and Barbara talked

1969

01:49:36,549 --> 01:49:32,169

a little bit about it but not directly

1970

01:49:42,219 --> 01:49:36,559

Bob's inspiration and we've all used the

1971

01:49:46,479 --> 01:49:42,229

word inspiration but Bob's humanity bob

1972

01:49:50,620 --> 01:49:46,489

was a PhD a leader in everything he did

1973

01:49:55,529 --> 01:49:50,630

he was a team builder he did all of

1974

01:49:59,679 --> 01:49:55,539

these things with just being a terrific

1975

01:50:06,689 --> 01:49:59,689

human being with the characteristics

1976

01:50:11,439 --> 01:50:06,699

that make people love respect admire and

1977

01:50:13,899 --> 01:50:11,449

in the end emulate now some of the

1978

01:50:17,799 --> 01:50:13,909

things that were emulated were not

1979

01:50:21,429 --> 01:50:17,809

always good we had a class that was in

1980

01:50:26,319 --> 01:50:21,439

fact one that had we carried on a

1981

01:50:29,350 --> 01:50:26,329

tradition out there because Edwards was

1982

01:50:32,770 --> 01:50:29,360

so isolated we had parties all the time

1983

01:50:38,109 --> 01:50:32,780

on Saturday nights not Sunday night he

1984

01:50:40,509 --> 01:50:38,119

had to fly Monday morning and and we get

1985

01:50:44,679 --> 01:50:40,519

together and we had all kinds of things

1986

01:50:47,830 --> 01:50:44,689

now once in a while there are men and

1987

01:50:50,979 --> 01:50:47,840

you know you could we want to compete we

1988

01:50:55,870 --> 01:50:50,989

had a couple of Navy people in our group

1989

01:50:58,839 --> 01:50:55,880

there maybe was it's just a tad too much

1990

01:51:04,839 --> 01:50:58,849

alcohol that was passing back and forth

1991

01:51:07,659 --> 01:51:04,849

or if the party went really late and if

1992

01:51:09,689 --> 01:51:07,669

it went really late combined with just a

1993

01:51:12,899 --> 01:51:09,699

little too much alcohol

1994

01:51:17,339 --> 01:51:12,909

there was a tradition all these were

1995

01:51:21,100 --> 01:51:17,349

one-story houses and if we had an

1996

01:51:23,379 --> 01:51:21,110

instructor and academic instructor or

1997

01:51:28,359 --> 01:51:23,389

anybody else who is really making it

1998

01:51:32,080 --> 01:51:28,369

tough we would get ladders from our

1999

01:51:35,709 --> 01:51:32,090

garages and late at night we would sneak

2000

01:51:39,039 --> 01:51:35,719

down the street to their house place the

2001

01:51:42,719 --> 01:51:39,049

ladders on different sides of the

2002

01:51:48,839 --> 01:51:42,729

climb up on the roof and do what was

2003

01:51:52,179 --> 01:51:48,849

familiarly called the roof stomp so

2004

01:51:54,519 --> 01:51:52,189

after everybody's asleep all of a sudden

2005

01:51:57,699 --> 01:51:54,529

there's a screaming and yelling on the

2006

01:52:01,059 --> 01:51:57,709

roof and people stomping at our feet and

2007

01:52:04,839 --> 01:52:01,069

making all this terrific noise and then

2008

01:52:07,809 --> 01:52:04,849

the trick was to disappear very very

2009

01:52:10,959 --> 01:52:07,819

quickly get your ladder and run off in

2010

01:52:14,099 --> 01:52:10,969

different directions so they don't know

2011

01:52:18,250 --> 01:52:14,109

which students were involved in that

2012

01:52:24,069 --> 01:52:18,260

particular exercise I'm not going to say

2013

01:52:35,109 --> 01:52:24,079

that bob was a leader in all of that but

2014

01:52:44,259 --> 01:52:35,119

he was a participant Bob's example of

2015

01:52:48,429 --> 01:52:44,269

course was what we all miss so badly and

2016

01:52:50,739 --> 01:52:48,439

it was his human example and the kind of

2017

01:52:55,419 --> 01:52:50,749

a man that he was and you've described

2018

01:52:59,009 --> 01:52:55,429

the things that that often are not fully

2019

01:53:03,399 --> 01:52:59,019

understood and what is courage what is

2020

01:53:08,139 --> 01:53:03,409

determination what is the real will of

2021

01:53:11,679 --> 01:53:08,149

human beings to break through the

2022

01:53:14,919 --> 01:53:11,689

challenge is the racial challenges that

2023

01:53:17,649 --> 01:53:14,929

were occurring at the time that Bob came

2024

01:53:23,139 --> 01:53:17,659

in the airforce and exceeded in all

2025

01:53:29,309 --> 01:53:23,149

those ways that ended on that one day

2026

01:53:32,819 --> 01:53:29,319

but it didn't end it really didn't end

2027

01:53:37,359 --> 01:53:32,829

the three of us in that bottom picture

2028

01:53:39,429 --> 01:53:37,369

on the one on this side was a really

2029

01:53:42,939 --> 01:53:39,439

amazing leader we called him our boy

2030

01:53:46,569 --> 01:53:42,949

Colonel he was our class commander Don

2031

01:53:49,209 --> 01:53:46,579

Peterson is on the other side of the

2032

01:53:52,240 --> 01:53:49,219

real star in that picture and I'm the

2033

01:53:55,270 --> 01:53:52,250

one who is so uncomfortable trying to

2034

01:53:57,430 --> 01:53:55,280

smile there and of course you just look

2035

01:54:02,470 --> 01:53:57,440

there and you look and Bob is the one

2036

01:54:04,740 --> 01:54:02,480

with the best genuine terrific smile for

2037

01:54:11,410 --> 01:54:04,750

everybody and that's the way it worked

2038

01:54:17,320 --> 01:54:11,420

Bob smiled he helped he was the best of

2039

01:54:23,740 --> 01:54:17,330

a human being and his best was better

2040

01:54:29,920 --> 01:54:23,750

than many of other people's best and so

2041

01:54:30,320 --> 01:54:29,930

what he gave us made us all better thank

2042

01:54:41,580 --> 01:54:30,330

you

2043

01:54:47,290 --> 01:54:43,930

I'd like to introduce another one of

2044

01:54:51,070 --> 01:54:47,300

Robert Lawrence's classmate and fellow

2045

01:54:53,500 --> 01:54:51,080

astronaut at the man orbiting lab

2046

01:54:56,890 --> 01:54:53,510

program Bob Crippen Robert Crippen the

2047

01:54:59,830 --> 01:54:56,900

first pilot the first astronaut to fly

2048

01:55:01,209 --> 01:54:59,840

space shuttle flew for missions was

2049

01:55:03,280 --> 01:55:01,219

commander of three missions

2050

01:55:06,670 --> 01:55:03,290

he served here at the astronaut

2051  
01:55:08,290 --> 01:55:06,680  
memorials our Chairman he was the head

2052  
01:55:10,080 --> 01:55:08,300  
of the Kennedy Space Center he was the

2053  
01:55:12,459 --> 01:55:10,090  
director of the Kennedy Space Center

2054  
01:55:15,390 --> 01:55:12,469  
real American hero and an amazing

2055  
01:55:18,790 --> 01:55:15,400  
astronaut and honored to have you here

2056  
01:55:18,800 --> 01:55:27,660  
[Applause]

2057  
01:55:33,850 --> 01:55:31,300  
Thank You Thad and a bug yes the Navy

2058  
01:55:35,740 --> 01:55:33,860  
has a great test pilot school it's at

2059  
01:55:38,290 --> 01:55:35,750  
Patuxent River but I was one of the Navy

2060  
01:55:42,130 --> 01:55:38,300  
guys they got lost and I went to Edwards

2061  
01:55:45,610 --> 01:55:42,140  
where you went but well it's a real

2062  
01:55:50,170 --> 01:55:45,620  
pleasure for me to be asked to speak at

2063  
01:55:54,790 --> 01:55:50,180

this event today Bob Lawrence's death

2064

01:55:59,350 --> 01:55:54,800

and an f-104 dead words was a terrible

2065

01:56:02,979 --> 01:55:59,360

accident I was privileged to know this

2066

01:56:06,070 --> 01:56:02,989

brilliant young man and he had a great

2067

01:56:10,390 --> 01:56:06,080

future of an ahead of him if he had not

2068

01:56:13,150 --> 01:56:10,400

been lost 50 years ago today bob was

2069

01:56:16,780 --> 01:56:13,160

great he graduated from high school at

2070

01:56:20,620 --> 01:56:16,790

16 he received a Bachelor of Science

2071

01:56:23,459 --> 01:56:20,630

degree in chemistry at 20 and he joined

2072

01:56:27,939 --> 01:56:23,469

the Air Force out of his ROTC program

2073

01:56:30,520 --> 01:56:27,949

and then he earned his wings and we

2074

01:56:35,620 --> 01:56:30,530

don't ever as tour in Germany came back

2075

01:56:39,370 --> 01:56:35,630

to Ohio State to get a PhD so he was

2076

01:56:41,050 --> 01:56:39,380

definitely on a fast track I met Bob

2077

01:56:43,930 --> 01:56:41,060

when he attended the test pilot school

2078

01:56:45,729 --> 01:56:43,940

out at Edwards and was selected as an

2079

01:56:49,360 --> 01:56:45,739

astronaut on the manned orbiting

2080

01:56:51,670 --> 01:56:49,370

laboratory and well bob was selected in

2081

01:56:54,970 --> 01:56:51,680

the third group we have the picture of

2082

01:57:00,010 --> 01:56:54,980

here along with Abe I have been selected

2083

01:57:02,200 --> 01:57:00,020

in the second group with Bob's ph.d he

2084

01:57:05,650 --> 01:57:02,210

was definitely the smartest person that

2085

01:57:10,360 --> 01:57:05,660

we had in the curve more importantly was

2086

01:57:12,729 --> 01:57:10,370

his personality as they pointed out in

2087

01:57:16,060 --> 01:57:12,739

that bottom picture he really had an

2088

01:57:18,600 --> 01:57:16,070

infectious smile you couldn't help but

2089

01:57:20,979 --> 01:57:18,610

like the guy with first time you met him

2090

01:57:26,500 --> 01:57:20,989

yes he was the first african-american

2091

01:57:28,090 --> 01:57:26,510

selected to fly in space and if it had

2092

01:57:31,420 --> 01:57:28,100

really happened that he had flown he

2093

01:57:35,080 --> 01:57:31,430

would have been famous that actually

2094

01:57:36,310 --> 01:57:35,090

worried the security people on the

2095

01:57:37,280 --> 01:57:36,320

manned orbiting laboratory program

2096

01:57:40,460 --> 01:57:37,290

because it

2097

01:57:42,590 --> 01:57:40,470

was highly classified and he was so

2098

01:57:45,500 --> 01:57:42,600

visible they really wanted all of us

2099

01:57:50,060 --> 01:57:45,510

crew members to be invisible especially

2100

01:57:53,570 --> 01:57:50,070

we went out to contractors the mission

2101  
01:57:59,150 --> 01:57:53,580  
of mo L was only Declassified like two

2102  
01:58:08,960 --> 01:57:59,160  
years ago and our mission was to spy on

2103  
01:58:12,410 --> 01:58:08,970  
Russia that never happened but Bob was

2104  
01:58:16,370 --> 01:58:12,420  
going through the early phrases phase of

2105  
01:58:19,210 --> 01:58:16,380  
mo I training when they graduated from

2106  
01:58:22,700 --> 01:58:19,220  
the test pilot school it took a while to

2107  
01:58:25,730 --> 01:58:22,710  
to vet members that were selected for mo

2108  
01:58:28,910 --> 01:58:25,740  
I for their security clearance so they

2109  
01:58:32,090 --> 01:58:28,920  
had an advanced course at edwards which

2110  
01:58:36,230 --> 01:58:32,100  
they were going through and during that

2111  
01:58:42,140 --> 01:58:36,240  
face it's sometimes hard to get flight

2112  
01:58:45,500 --> 01:58:42,150  
time and bob wanted to go fly and he

2113  
01:58:48,110 --> 01:58:45,510

managed to talk one of the instructors

2114

01:58:51,230 --> 01:58:48,120

out of a flight that he was going to

2115

01:58:53,300 --> 01:58:51,240

take with a new instructor that was just

2116

01:58:56,540 --> 01:58:53,310

learning how to fly these approaches

2117

01:58:59,780 --> 01:58:56,550

that Abe described which were low L over

2118

01:59:02,120 --> 01:58:59,790

D or lift-to-drag approaches and this

2119

01:59:05,540 --> 01:59:02,130

instructor new instructor had gone out

2120

01:59:07,940 --> 01:59:05,550

and he had kind of screwed up so they

2121

01:59:09,620 --> 01:59:07,950

were didn't give a reef light and the

2122

01:59:12,590 --> 01:59:09,630

instructor had been with him that day

2123

01:59:16,130 --> 01:59:12,600

was going to do it but Bob being well

2124

01:59:20,110 --> 01:59:16,140

versed in those approaches talked the

2125

01:59:26,870 --> 01:59:23,720

they described the approach that was

2126  
01:59:29,210 --> 01:59:26,880  
probably the toughest one to fly that

2127  
01:59:31,160 --> 01:59:29,220  
were trying to simulate what we call

2128  
01:59:33,890 --> 01:59:31,170  
lifting bodies were like and there were

2129  
01:59:40,040 --> 01:59:33,900  
a couple of ones being tested over at

2130  
01:59:42,980 --> 01:59:40,050  
NASA and it is the f-104 it's got a

2131  
01:59:46,190 --> 01:59:42,990  
pretty streamlined airplane but when you

2132  
01:59:48,470 --> 01:59:46,200  
do what Abe described and you drop the

2133  
01:59:49,959 --> 01:59:48,480  
landing gear put the flaps full down put

2134  
01:59:55,270 --> 01:59:49,969  
speed brakes out

2135  
01:59:57,459 --> 01:59:55,280  
it has a lot of drag and that did a

2136  
02:00:00,040 --> 01:59:57,469  
pretty good simulation now the Space

2137  
02:00:05,259 --> 02:00:00,050  
Shuttle when it comes in it's got a

2138  
02:00:06,969 --> 02:00:05,269

glide slope of about 19 degrees with the

2139

02:00:10,930 --> 02:00:06,979

approach that we were talking about for

2140

02:00:14,859 --> 02:00:10,940

the dirty yellow birdie you're coming in

2141

02:00:17,680 --> 02:00:14,869

at about 25 degrees and knowing when to

2142

02:00:19,870 --> 02:00:17,690

flare and how hard to flare is a real

2143

02:00:22,140 --> 02:00:19,880

challenge sometimes and that's what the

2144

02:00:27,009 --> 02:00:22,150

instructor knew instructor had been

2145

02:00:28,959 --> 02:00:27,019

having a problem with well fifty years

2146

02:00:34,509 --> 02:00:28,969

ago today they were doing one of those

2147

02:00:39,819 --> 02:00:34,519

approaches and the guy misjudged his

2148

02:00:42,899 --> 02:00:39,829

flare he hit the runway very hard toward

2149

02:00:47,850 --> 02:00:42,909

the landing gear off burst into flame

2150

02:00:52,930 --> 02:00:47,860

bounced up the new guy in the front seat

2151  
02:00:55,149 --> 02:00:52,940  
ejected Bob ejected also but by that

2152  
02:01:02,469 --> 02:00:55,159  
time the attitude and the altitude were

2153  
02:01:05,080 --> 02:01:02,479  
such that it was not survivable the guy

2154  
02:01:12,489 --> 02:01:05,090  
that got out he was hurt pretty severely

2155  
02:01:15,489 --> 02:01:12,499  
also we had 14 crew members left at that

2156  
02:01:16,719 --> 02:01:15,499  
time we all attended the funeral in

2157  
02:01:20,890 --> 02:01:16,729  
Chicago

2158  
02:01:23,080 --> 02:01:20,900  
that's where I met Barbara the program

2159  
02:01:26,379 --> 02:01:23,090  
was canceled two years later

2160  
02:01:30,850 --> 02:01:26,389  
June 10th 1969 one of the lowest days of

2161  
02:01:36,969 --> 02:01:30,860  
my life it went away for various reasons

2162  
02:01:41,169 --> 02:01:36,979  
political financial technical but it so

2163  
02:01:45,549 --> 02:01:41,179

happened that NASA decided that they

2164

02:01:47,259 --> 02:01:45,559

could use some of the crew and even

2165

02:01:49,479 --> 02:01:47,269

though they didn't have any flights till

2166

02:01:51,700 --> 02:01:49,489

something they were working on called a

2167

02:01:56,709 --> 02:01:51,710

space shuttle which was about a decade

2168

02:01:59,409 --> 02:01:56,719

down the road they offered everybody

2169

02:02:01,989 --> 02:01:59,419

that was 35 and under

2170

02:02:05,349 --> 02:02:01,999

the opportunity to come to NASA in the

2171

02:02:12,579 --> 02:02:05,359

astronaut office Abe was 36 he was

2172

02:02:14,259 --> 02:02:12,589

really po2 the 35 though was a number

2173

02:02:19,779 --> 02:02:14,269

they'd been using for their when they

2174

02:02:23,709 --> 02:02:19,789

were selecting new people Bob would have

2175

02:02:25,349 --> 02:02:23,719

been under 35 at the cancellation so he

2176  
02:02:29,409 --> 02:02:25,359  
would have been offered the opportunity

2177  
02:02:31,869 --> 02:02:29,419  
to go to NASA and fly eventually on a

2178  
02:02:34,199 --> 02:02:31,879  
space shuttle and I'm sure he would have

2179  
02:02:38,729 --> 02:02:34,209  
taken him up on it

2180  
02:02:42,939 --> 02:02:38,739  
if he had he would have been the first

2181  
02:02:46,329 --> 02:02:42,949  
black person to fly in space and he

2182  
02:02:50,349 --> 02:02:46,339  
would have been famous and he still

2183  
02:02:53,920 --> 02:02:50,359  
famous with a lot of us and he is still

2184  
02:03:08,160 --> 02:02:53,930  
missed today thank you

2185  
02:03:14,530 --> 02:03:12,550  
Thank You Robert Crippen thank you I'd

2186  
02:03:17,350 --> 02:03:14,540  
like to thank all of you for coming to

2187  
02:03:20,410 --> 02:03:17,360  
honor major Robert Lawrence jr. and his

2188  
02:03:23,290 --> 02:03:20,420

family as you can see this is a

2189

02:03:26,680 --> 02:03:23,300

remarkable human being and it was a

2190

02:03:28,930 --> 02:03:26,690

remarkable loss but he's still with us

2191

02:03:31,060 --> 02:03:28,940

he's still inspiring and his

2192

02:03:33,990 --> 02:03:31,070

accomplishments will inspire many in the

2193

02:03:36,730 --> 02:03:34,000

future and he made a major contribution

2194

02:03:40,690 --> 02:03:36,740

to America's space human spaceflight

2195

02:03:43,360 --> 02:03:40,700

program so even after 50 years of that

2196

02:03:47,800 --> 02:03:43,370

tragic accident his memory moved his

2197

02:03:51,880 --> 02:03:47,810

memory continues and will grow his

2198

02:03:54,870 --> 02:03:51,890

passion for knowledge people in space is

2199

02:04:01,060 --> 02:03:58,570

as we transition in the ending of this

2200

02:04:03,130 --> 02:04:01,070

ceremony like to give a few little

2201  
02:04:08,020 --> 02:04:03,140  
directions a life for the family members

2202  
02:04:11,320 --> 02:04:08,030  
first to walk and begin to walk out to

2203  
02:04:13,240 --> 02:04:11,330  
the astronaut memorial space mirror some

2204  
02:04:16,300 --> 02:04:13,250  
memorial that we have just east of year

2205  
02:04:17,950 --> 02:04:16,310  
where we have engraved 25 American

2206  
02:04:22,750 --> 02:04:17,960  
heroes astronauts that have lost their

2207  
02:04:24,400 --> 02:04:22,760  
lives on mission and training so I'd

2208  
02:04:25,750 --> 02:04:24,410  
like to ask the families the first our

2209  
02:04:27,940 --> 02:04:25,760  
special guests than our families the

2210  
02:04:32,650 --> 02:04:27,950  
first rise and begin to walk we have

2211  
02:04:35,710 --> 02:04:32,660  
individuals that will help escort and

2212  
02:04:37,900 --> 02:04:35,720  
then as a family members start to leave