

Mary W. Jackson



1
00:00:18,870 --> 00:00:16,550
[Music]

2
00:00:20,710 --> 00:00:18,880
i'm nikki giovanni

3
00:00:22,830 --> 00:00:20,720
my poem is quilting

4
00:00:25,910 --> 00:00:22,840
the black eyed pea

5
00:00:28,630 --> 00:00:25,920
congratulations to nasa

6
00:00:31,429 --> 00:00:28,640
we're going to mars for the same reason

7
00:00:34,229 --> 00:00:31,439
marco polo rocketed to china

8
00:00:36,790 --> 00:00:34,239
for the same reason columbus trimmed his

9
00:00:39,590 --> 00:00:36,800
sails on the dream of spices

10
00:00:41,510 --> 00:00:39,600
for the very same reason shackleton was

11
00:00:44,549 --> 00:00:41,520
enchanted with penguins

12
00:00:47,670 --> 00:00:44,559
for the reason we fall in love it's the

13
00:00:49,430 --> 00:00:47,680

only adventure

14

00:00:51,110 --> 00:00:49,440

we're going to mars because we have the

15

00:00:54,950 --> 00:00:51,120

hardware to do it

16

00:00:55,910 --> 00:00:54,960

we have rockets and fuel and money and

17

00:00:59,270 --> 00:00:55,920

stuff

18

00:01:02,470 --> 00:00:59,280

and the only reason nasa is holding back

19

00:01:04,710 --> 00:01:02,480

is they don't know if what they send out

20

00:01:08,550 --> 00:01:04,720

will be what they get back

21

00:01:13,910 --> 00:01:11,750

the trip to mars can only be understood

22

00:01:17,350 --> 00:01:13,920

through black americans i say

23

00:01:19,990 --> 00:01:17,360

the trip to mars can only be understood

24

00:01:22,550 --> 00:01:20,000

through black americans

25

00:01:23,830 --> 00:01:22,560

i'm very proud that the building is

26

00:01:26,870 --> 00:01:23,840

named after

27

00:01:28,390 --> 00:01:26,880

jackson and i'm very proud that she

28

00:01:30,950 --> 00:01:28,400

stood ground

29

00:01:34,230 --> 00:01:30,960

to help us go into space

30

00:01:36,230 --> 00:01:34,240

and this building should stand and does

31

00:01:37,910 --> 00:01:36,240

stand for her

32

00:01:40,789 --> 00:01:37,920

like all people

33

00:01:43,030 --> 00:01:40,799

i am so glad because we need we need to

34

00:01:45,350 --> 00:01:43,040

remember who has helped build this

35

00:01:47,910 --> 00:01:45,360

nation and miss jackson is a part of

36

00:01:49,429 --> 00:01:47,920

that so i congratulate ms jackson and

37

00:01:51,510 --> 00:01:49,439

her family

38

00:01:53,350 --> 00:01:51,520

and all of the people because you don't

39

00:01:55,590 --> 00:01:53,360

sacrifice alone

40

00:01:57,260 --> 00:01:55,600

your family sacrifices with you so

41

00:02:06,709 --> 00:01:57,270

that's wonderful

42

00:02:10,790 --> 00:02:08,469

good afternoon everyone i'm abby

43

00:02:13,910 --> 00:02:10,800

phillips senior political correspondent

44

00:02:16,390 --> 00:02:13,920

and anchor of inside politics sunday it

45

00:02:18,710 --> 00:02:16,400

is my pleasure and honor to be with you

46

00:02:21,030 --> 00:02:18,720

virtually today and to welcome you to

47

00:02:24,790 --> 00:02:21,040

this celebration of the legacy and

48

00:02:26,630 --> 00:02:24,800

achievements of mary w jackson

49

00:02:29,670 --> 00:02:26,640

today we're joined not only by

50

00:02:33,030 --> 00:02:29,680

dignitaries and nasa leaders but also

51
00:02:35,430 --> 00:02:33,040
by members of mary jackson's family and

52
00:02:37,910 --> 00:02:35,440
many more are tuning in virtually as

53
00:02:39,190 --> 00:02:37,920
well so thank you all for being here

54
00:02:43,670 --> 00:02:39,200
today

55
00:02:46,470 --> 00:02:43,680
which we celebrate the extraordinary

56
00:02:48,949 --> 00:02:46,480
life of mary jackson a life lived with

57
00:02:51,270 --> 00:02:48,959
dignity and determination

58
00:02:54,550 --> 00:02:51,280
but today is also a joyous occasion for

59
00:02:57,670 --> 00:02:54,560
women and girls all across this country

60
00:03:00,550 --> 00:02:57,680
from now on this place the nasa

61
00:03:02,790 --> 00:03:00,560
headquarters where american brilliance

62
00:03:06,630 --> 00:03:02,800
and ingenuity thrives

63
00:03:07,830 --> 00:03:06,640

will be named after a black woman

64

00:03:10,070 --> 00:03:07,840

so on this

65

00:03:12,710 --> 00:03:10,080

very special day i want to warmly

66

00:03:15,190 --> 00:03:12,720

welcome you all here to the married w

67

00:03:18,309 --> 00:03:15,200

jackson nasa headquarters and i

68

00:03:21,430 --> 00:03:18,319

personally want to extend my gratitude

69

00:03:24,070 --> 00:03:21,440

to mary jackson for being a pioneer who

70

00:03:26,789 --> 00:03:24,080

changed the way that the world saw the

71

00:03:29,750 --> 00:03:26,799

potential and the capacity of black

72

00:03:31,589 --> 00:03:29,760

people and especially black women in

73

00:03:34,470 --> 00:03:31,599

this country

74

00:03:37,589 --> 00:03:34,480

because of her and because of so many

75

00:03:39,350 --> 00:03:37,599

people and women like her i can be with

76

00:03:41,910 --> 00:03:39,360

you all today

77

00:03:44,470 --> 00:03:41,920

so without further ado please enjoy

78

00:03:48,200 --> 00:03:44,480

today's ceremony and have a great rest

79

00:03:52,149 --> 00:03:50,550

[Applause]

80

00:03:53,830 --> 00:03:52,159

good afternoon

81

00:03:56,149 --> 00:03:53,840

director clayton

82

00:03:57,670 --> 00:03:56,159

members of the jackson family

83

00:03:59,910 --> 00:03:57,680

dr darden

84

00:04:01,350 --> 00:03:59,920

deputy mayor babers and distinguished

85

00:04:03,429 --> 00:04:01,360

guests

86

00:04:05,509 --> 00:04:03,439

thank you all for joining us today to

87

00:04:06,949 --> 00:04:05,519

honor and celebrate an incredible

88

00:04:09,750 --> 00:04:06,959

history maker

89

00:04:11,990 --> 00:04:09,760

nasa's first black female enter

90

00:04:14,149 --> 00:04:12,000

mary w jackson

91

00:04:17,430 --> 00:04:14,159

with the official naming of the mary w

92

00:04:19,909 --> 00:04:17,440

jackson nasa headquarters today we

93

00:04:21,270 --> 00:04:19,919

ensure that she is a hidden figure no

94

00:04:23,510 --> 00:04:21,280

longer

95

00:04:25,350 --> 00:04:23,520

equal opportunity is the cornerstone of

96

00:04:27,430 --> 00:04:25,360

american democracy

97

00:04:31,590 --> 00:04:27,440

and our diversity is one of our

98

00:04:35,670 --> 00:04:33,430

but throughout our history

99

00:04:39,110 --> 00:04:35,680

too many have been denied the equal

100

00:04:41,430 --> 00:04:39,120

opportunity that our nation stands for

101
00:04:44,550 --> 00:04:41,440
at nasa we are committed to recognizing

102
00:04:46,629 --> 00:04:44,560
and addressing inequities that serve as

103
00:04:49,270 --> 00:04:46,639
barriers to inclusiveness

104
00:04:51,670 --> 00:04:49,280
and equal opportunity

105
00:04:53,110 --> 00:04:51,680
jackson's story is one of incredible

106
00:04:55,189 --> 00:04:53,120
determination

107
00:04:57,030 --> 00:04:55,199
she personified nasa's spirit of

108
00:05:00,150 --> 00:04:57,040
persevering

109
00:05:04,150 --> 00:05:00,160
against all odds providing inspiration

110
00:05:06,310 --> 00:05:04,160
and advancing science and exploration

111
00:05:09,350 --> 00:05:06,320
there's there is no denying that she

112
00:05:10,550 --> 00:05:09,360
faced innumerable challenges

113
00:05:12,870 --> 00:05:10,560

in her work

114

00:05:15,830 --> 00:05:12,880

work that would eventually help send the

115

00:05:17,590 --> 00:05:15,840

first americans to space

116

00:05:20,150 --> 00:05:17,600

today you will hear about the barriers

117

00:05:22,629 --> 00:05:20,160

jackson overcame in a request to push

118

00:05:25,510 --> 00:05:22,639

the bounds of what americans knew to be

119

00:05:28,310 --> 00:05:25,520

possible not least among them were the

120

00:05:30,390 --> 00:05:28,320

barriers she faced because of the color

121

00:05:31,430 --> 00:05:30,400

of her skin

122

00:05:33,990 --> 00:05:31,440

and yet

123

00:05:36,469 --> 00:05:34,000

jackson persevered

124

00:05:38,710 --> 00:05:36,479

she published a dozen papers

125

00:05:42,070 --> 00:05:38,720

most focused on the behavior of boundary

126

00:05:44,230 --> 00:05:42,080

layer of air around airplanes i know

127

00:05:47,110 --> 00:05:44,240

we're still doing research around

128

00:05:50,070 --> 00:05:47,120

boundary layer around vehicles so i know

129

00:05:53,189 --> 00:05:50,080

she was doing cutting edge research

130

00:05:55,350 --> 00:05:53,199

she studied forces on airplane models by

131

00:05:57,270 --> 00:05:55,360

generating winds at almost twice the

132

00:05:59,990 --> 00:05:57,280

speed of sound

133

00:06:03,510 --> 00:06:00,000

in the four by four foot sixty thousand

134

00:06:05,350 --> 00:06:03,520

horsepower supersonic pressure tunnel

135

00:06:08,150 --> 00:06:05,360

she worked to improve commercial

136

00:06:10,870 --> 00:06:08,160

aircraft analyzing data from wind tunnel

137

00:06:12,710 --> 00:06:10,880

experiments and real-world flight

138

00:06:15,510 --> 00:06:12,720

aircraft experiments

139

00:06:18,230 --> 00:06:15,520

at the theoretical aerodynamics branch

140

00:06:21,189 --> 00:06:18,240

of the subsonic panasonic aerodynamics

141

00:06:23,590 --> 00:06:21,199

division at langley and perhaps most

142

00:06:25,189 --> 00:06:23,600

famously her work with other human

143

00:06:27,830 --> 00:06:25,199

computers

144

00:06:28,790 --> 00:06:27,840

many of them black women not only turned

145

00:06:31,670 --> 00:06:28,800

around

146

00:06:34,469 --> 00:06:31,680

the space race but also galvanized

147

00:06:37,510 --> 00:06:34,479

imaginations around the world as to what

148

00:06:40,309 --> 00:06:37,520

we americans can achieve

149

00:06:43,350 --> 00:06:40,319

because of engineers like mary w jackson

150

00:06:45,270 --> 00:06:43,360

america and the world was not only able

151
00:06:48,710 --> 00:06:45,280
to dream of

152
00:06:51,830 --> 00:06:48,720
lending landing among the stars but to

153
00:06:54,790 --> 00:06:51,840
make that dream a reality

154
00:06:56,469 --> 00:06:54,800
jackson worked at nasa for over 30 years

155
00:06:59,270 --> 00:06:56,479
but during her lifetime her

156
00:07:01,510 --> 00:06:59,280
contributions were largely overlooked

157
00:07:02,629 --> 00:07:01,520
she was passed over for management level

158
00:07:05,510 --> 00:07:02,639
promotions

159
00:07:06,469 --> 00:07:05,520
and for perhaps reflecting on her own

160
00:07:08,790 --> 00:07:06,479
path

161
00:07:11,589 --> 00:07:08,800
dedicated herself to ensuring that the

162
00:07:13,510 --> 00:07:11,599
next generation of female and other

163
00:07:16,550 --> 00:07:13,520

minority mathematicians

164

00:07:19,909 --> 00:07:16,560

engineers and scientists did not face

165

00:07:21,830 --> 00:07:19,919

the barriers that she did

166

00:07:24,790 --> 00:07:21,840

president biden has demonstrated his

167

00:07:26,150 --> 00:07:24,800

commitment to racial equality diversity

168

00:07:28,150 --> 00:07:26,160

and inclusion

169

00:07:29,589 --> 00:07:28,160

and as black history month comes to a

170

00:07:31,990 --> 00:07:29,599

close

171

00:07:34,469 --> 00:07:32,000

we must remember it's not enough only to

172

00:07:37,110 --> 00:07:34,479

honor the accomplishments and sacrifices

173

00:07:38,790 --> 00:07:37,120

of previous generations and heroes like

174

00:07:41,270 --> 00:07:38,800

mary jackson

175

00:07:42,950 --> 00:07:41,280

we must aim for the future

176
00:07:45,589 --> 00:07:42,960
laying the foundation for a diverse

177
00:07:48,150 --> 00:07:45,599
workforce and strengthening our culture

178
00:07:50,710 --> 00:07:48,160
of inclusion and equity

179
00:07:53,510 --> 00:07:50,720
today and every day

180
00:07:56,550 --> 00:07:53,520
and we must ensure that we celebrate

181
00:07:59,270 --> 00:07:56,560
and commend the contributions made every

182
00:08:02,869 --> 00:07:59,280
day by the incredible men and women who

183
00:08:06,469 --> 00:08:05,189
it's critical to the sets of our agency

184
00:08:08,550 --> 00:08:06,479
and our future

185
00:08:11,909 --> 00:08:08,560
that we do the work necessary to give

186
00:08:15,110 --> 00:08:11,919
everyone the tools they need to succeed

187
00:08:16,790 --> 00:08:15,120
and to ensure no american talent goes

188
00:08:19,029 --> 00:08:16,800

untapped

189

00:08:21,430 --> 00:08:19,039

it's not just the right thing to do

190

00:08:22,950 --> 00:08:21,440

nasa and the scientific community will

191

00:08:24,830 --> 00:08:22,960

be better for it

192

00:08:27,589 --> 00:08:24,840

because diversity ensures multiple

193

00:08:29,990 --> 00:08:27,599

viewpoints new ways of thinking

194

00:08:32,550 --> 00:08:30,000

and new solutions to problems once

195

00:08:34,870 --> 00:08:32,560

thought unsolvable

196

00:08:38,310 --> 00:08:34,880

like mary w jackson i've been honored to

197

00:08:40,550 --> 00:08:38,320

serve as at nasa for over 30 years

198

00:08:42,870 --> 00:08:40,560

and i know firsthand that many of the

199

00:08:45,269 --> 00:08:42,880

agencies incredible milestones

200

00:08:48,470 --> 00:08:45,279

would have been impossible without the

201
00:08:51,269 --> 00:08:48,480
countless contributions of engineers

202
00:08:53,269 --> 00:08:51,279
mathematicians and scientists

203
00:08:55,030 --> 00:08:53,279
like jackson who persevered in the face

204
00:08:58,070 --> 00:08:55,040
of adversity

205
00:09:00,230 --> 00:08:58,080
who refused to accept the status quo

206
00:09:02,949 --> 00:09:00,240
and who brought our dreams

207
00:09:05,509 --> 00:09:02,959
from the realm of the imaginary

208
00:09:07,590 --> 00:09:05,519
to re into reality

209
00:09:10,310 --> 00:09:07,600
and i just want to reflect on

210
00:09:12,230 --> 00:09:10,320
the last year which has been a really

211
00:09:14,870 --> 00:09:12,240
challenging year

212
00:09:17,030 --> 00:09:14,880
and just express my gratitude to the

213
00:09:17,829 --> 00:09:17,040

leadership at nasa

214

00:09:20,070 --> 00:09:17,839

for

215

00:09:22,389 --> 00:09:20,080

the conversations we've had

216

00:09:24,870 --> 00:09:22,399

starting last spring around diversity

217

00:09:27,430 --> 00:09:24,880

equity inclusion and the challenges that

218

00:09:31,030 --> 00:09:27,440

african americans face in this country

219

00:09:32,310 --> 00:09:31,040

today and within nasa we all live in our

220

00:09:34,790 --> 00:09:32,320

bubbles

221

00:09:38,389 --> 00:09:34,800

and those conversations have been

222

00:09:44,470 --> 00:09:41,990

heartfelt and genuine

223

00:09:46,070 --> 00:09:44,480

director clayton turner has participated

224

00:09:48,470 --> 00:09:46,080

in those

225

00:09:49,990 --> 00:09:48,480

samara times of king our general counsel

226

00:09:51,110 --> 00:09:50,000

glenn delgado our associate

227

00:09:52,630 --> 00:09:51,120

administrator for small business

228

00:09:55,509 --> 00:09:52,640

programs

229

00:09:57,430 --> 00:09:55,519

and just have given me appreciation for

230

00:09:59,910 --> 00:09:57,440

the challenges that african-americans

231

00:10:02,150 --> 00:09:59,920

face and what we need to do

232

00:10:04,389 --> 00:10:02,160

to start to overcome them and it's work

233

00:10:06,069 --> 00:10:04,399

that i know i'm committed to doing an

234

00:10:07,750 --> 00:10:06,079

agency's leader to commit leaders are

235

00:10:09,190 --> 00:10:07,760

committed to doing not only now but into

236

00:10:09,990 --> 00:10:09,200

the future and it's probably work we're

237

00:10:12,230 --> 00:10:10,000

going to

238

00:10:15,030 --> 00:10:12,240

work on for the rest of our lives and uh

239

00:10:16,069 --> 00:10:15,040

to make not only nasa a more

240

00:10:17,829 --> 00:10:16,079

diverse

241

00:10:20,150 --> 00:10:17,839

equitable inclusive place but also the

242

00:10:21,829 --> 00:10:20,160

nation so i thank i thank nasa

243

00:10:23,190 --> 00:10:21,839

leadership for their leadership and

244

00:10:25,590 --> 00:10:23,200

getting through these difficult times of

245

00:10:27,990 --> 00:10:25,600

having those really difficult but

246

00:10:29,750 --> 00:10:28,000

critical conversations

247

00:10:32,630 --> 00:10:29,760

my hope is that when we are safely able

248

00:10:34,790 --> 00:10:32,640

to return to work in person walking

249

00:10:37,030 --> 00:10:34,800

through the doors of the mary w jackson

250

00:10:39,350 --> 00:10:37,040

nasa headquarters each morning will

251
00:10:41,910 --> 00:10:39,360
inspire us all to push forward and

252
00:10:44,230 --> 00:10:41,920
continue to break barriers

253
00:10:46,230 --> 00:10:44,240
and now it's my pleasure to welcome the

254
00:10:48,470 --> 00:10:46,240
district of columbia deputy mayor for

255
00:10:49,829 --> 00:10:48,480
operations and infrastructure lucinda

256
00:10:53,910 --> 00:10:49,839
babers

257
00:10:55,829 --> 00:10:53,920
science in business from johns hopkins

258
00:10:57,990 --> 00:10:55,839
university and a bachelor's of

259
00:11:00,710 --> 00:10:58,000
industrial engineering from the georgia

260
00:11:02,790 --> 00:11:00,720
institute of technology she started her

261
00:11:05,190 --> 00:11:02,800
career as an officer in the military and

262
00:11:08,310 --> 00:11:05,200
held senior level positions at amtrak

263
00:11:09,670 --> 00:11:08,320

and dc dmv before she was appointed as

264

00:11:11,269 --> 00:11:09,680

deputy mayor

265

00:11:12,470 --> 00:11:11,279

for operations and infrastructure in

266

00:11:32,790 --> 00:11:12,480

2019

267

00:11:32,800 --> 00:11:42,389

so

268

00:11:45,430 --> 00:11:44,470

thank you steve

269

00:11:47,750 --> 00:11:45,440

hello

270

00:11:49,990 --> 00:11:47,760

i'm lucinda babers deputy mayor of

271

00:11:52,150 --> 00:11:50,000

operations and infrastructure for the

272

00:11:55,590 --> 00:11:52,160

district of columbia

273

00:11:56,990 --> 00:11:55,600

on behalf of mayor muriel bowser and the

274

00:12:00,470 --> 00:11:57,000

more than

275

00:12:04,150 --> 00:12:00,480

705 000 residents of the district

276

00:12:06,710 --> 00:12:04,160

which will soon be the 51st state

277

00:12:10,949 --> 00:12:06,720

i am pleased

278

00:12:14,069 --> 00:12:10,959

to be with you on this very special day

279

00:12:16,629 --> 00:12:14,079

i bring greetings to all attendees in

280

00:12:19,509 --> 00:12:16,639

this great slate of speakers

281

00:12:20,710 --> 00:12:19,519

who will share the legacy of mary w

282

00:12:23,990 --> 00:12:20,720

jackson

283

00:12:25,910 --> 00:12:24,000

her beloved family members and friends

284

00:12:29,829 --> 00:12:25,920

her nasa family

285

00:12:31,910 --> 00:12:29,839

elected officials and many more

286

00:12:34,230 --> 00:12:31,920

and i love the different forms this

287

00:12:36,870 --> 00:12:34,240

tribute is taking

288

00:12:40,629 --> 00:12:36,880

from the profound poetry of nikki

289

00:12:43,430 --> 00:12:40,639

giavatti to the inspiring art

290

00:12:46,310 --> 00:12:43,440

of african american women commissioned

291

00:12:48,470 --> 00:12:46,320

by events dc

292

00:12:52,310 --> 00:12:48,480

it's most fitting that on the close of

293

00:12:54,389 --> 00:12:52,320

black history month and on the cusp of

294

00:12:58,069 --> 00:12:54,399

women's history month

295

00:13:04,389 --> 00:13:00,949

renaming of this building to the mary w

296

00:13:07,190 --> 00:13:04,399

jackson nasa headquarters

297

00:13:09,990 --> 00:13:07,200

as i walked toward the building along

298

00:13:12,069 --> 00:13:10,000

hidden figures way this afternoon

299

00:13:14,310 --> 00:13:12,079

i reflected

300

00:13:16,949 --> 00:13:14,320

on how thanks to the paths

301
00:13:18,069 --> 00:13:16,959
laid by mary jackson and countless

302
00:13:20,470 --> 00:13:18,079
others

303
00:13:23,190 --> 00:13:20,480
the world is a much different place

304
00:13:25,190 --> 00:13:23,200
than it was 70 years ago

305
00:13:27,030 --> 00:13:25,200
when miss jackson was first hired by

306
00:13:28,230 --> 00:13:27,040
nasa

307
00:13:29,750 --> 00:13:28,240
then

308
00:13:32,230 --> 00:13:29,760
segregation

309
00:13:34,790 --> 00:13:32,240
and discriminatory practices were the

310
00:13:37,350 --> 00:13:34,800
rule of the day

311
00:13:39,269 --> 00:13:37,360
the fight for freedom occurred not just

312
00:13:43,110 --> 00:13:39,279
in the streets

313
00:13:46,949 --> 00:13:43,120

but as ms jackson's life showed it also

314

00:13:49,750 --> 00:13:46,959

took place within the system

315

00:13:52,150 --> 00:13:49,760

she turned it inside out

316

00:13:54,470 --> 00:13:52,160

so that more african americans and women

317

00:13:55,990 --> 00:13:54,480

could excel

318

00:13:57,990 --> 00:13:56,000

as a result

319

00:14:01,509 --> 00:13:58,000

successful black women

320

00:14:05,829 --> 00:14:01,519

are no longer hidden figures

321

00:14:07,110 --> 00:14:05,839

we are very visible monuments to success

322

00:14:10,470 --> 00:14:07,120

we include

323

00:14:13,990 --> 00:14:10,480

the vice president of the united states

324

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

the mayor of the district of columbia

325

00:14:19,110 --> 00:14:15,680

and even me

326

00:14:21,910 --> 00:14:19,120

a deputy mayor who like mary jackson is

327

00:14:25,030 --> 00:14:21,920

a southern girl with big dreams to make

328

00:14:26,870 --> 00:14:25,040

this world a better place

329

00:14:29,030 --> 00:14:26,880

in closing

330

00:14:31,430 --> 00:14:29,040

it is most fitting that miss jackson's

331

00:14:33,030 --> 00:14:31,440

legacy includes her name on this

332

00:14:35,829 --> 00:14:33,040

building

333

00:14:38,150 --> 00:14:35,839

in the heart of the nation's capital

334

00:14:39,110 --> 00:14:38,160

one of the most diverse cities in the

335

00:14:41,230 --> 00:14:39,120

nation

336

00:14:43,910 --> 00:14:41,240

and home to strong leadership by

337

00:14:45,710 --> 00:14:43,920

african-american women in all walks of

338

00:14:48,470 --> 00:14:45,720

life

339

00:14:51,189 --> 00:14:48,480

african-american girls now know they can

340

00:14:53,829 --> 00:14:51,199

reach the moon and stars due to miss

341

00:14:58,870 --> 00:14:56,150

now i would like to introduce our next

342

00:15:02,310 --> 00:14:58,880

speaker congressman bobby scott

343

00:15:05,030 --> 00:15:02,320

who will be appearing via video

344

00:15:07,189 --> 00:15:05,040

representative scott has represented

345

00:15:11,110 --> 00:15:07,199

virginia's third congressional district

346

00:15:13,750 --> 00:15:11,120

in the u.s house since 1993.

347

00:15:15,829 --> 00:15:13,760

he is the first african-american elected

348

00:15:18,389 --> 00:15:15,839

to congress from virginia since

349

00:15:20,949 --> 00:15:18,399

reconstruction and only the second

350

00:15:23,030 --> 00:15:20,959

african-american elected to congress in

351

00:15:25,750 --> 00:15:23,040

virginia's history

352

00:15:29,030 --> 00:15:25,760

ladies and gentlemen i present to you

353

00:15:31,509 --> 00:15:29,040

representative bobby scott

354

00:15:33,269 --> 00:15:31,519

i met mary jackson in the early 1970s

355

00:15:35,189 --> 00:15:33,279

after i came back from law school and

356

00:15:38,150 --> 00:15:35,199

was invited to serve on the advisory

357

00:15:39,829 --> 00:15:38,160

board of the local continental societies

358

00:15:41,910 --> 00:15:39,839

the women's organization providing

359

00:15:44,870 --> 00:15:41,920

services to children particularly those

360

00:15:47,110 --> 00:15:44,880

with special needs i kind of knew that

361

00:15:49,030 --> 00:15:47,120

mary jackson worked at nasa but just

362

00:15:51,670 --> 00:15:49,040

like everybody else she was a hidden

363

00:15:54,470 --> 00:15:51,680

figure in terms of the contributions she

364

00:15:56,710 --> 00:15:54,480

made to the space program president john

365

00:15:58,790 --> 00:15:56,720

f kennedy said something like a nation

366

00:16:01,749 --> 00:15:58,800

reveals itself not only by those it

367

00:16:03,670 --> 00:16:01,759

produces but also by those that honors

368

00:16:05,749 --> 00:16:03,680

and those it remembers

369

00:16:11,189 --> 00:16:05,759

naming this building after mary jackson

370

00:16:15,110 --> 00:16:12,949

good afternoon

371

00:16:16,870 --> 00:16:15,120

acting administrator jerzik

372

00:16:18,790 --> 00:16:16,880

deputy mayor bears

373

00:16:20,389 --> 00:16:18,800

members of the jackson family

374

00:16:22,389 --> 00:16:20,399

distinguished guests

375

00:16:24,310 --> 00:16:22,399

my name is clayton turner i'm the

376

00:16:26,389 --> 00:16:24,320

director of nasa's langley research

377

00:16:28,230 --> 00:16:26,399

center in hampton virginia

378

00:16:29,990 --> 00:16:28,240

it's my honor and privilege to share

379

00:16:33,030 --> 00:16:30,000

some thoughts about someone who was a

380

00:16:34,230 --> 00:16:33,040

true pioneer for our agency and our

381

00:16:35,910 --> 00:16:34,240

nation

382

00:16:39,110 --> 00:16:35,920

we're here to pay tribute to a person

383

00:16:41,110 --> 00:16:39,120

who blazed trails but didn't boast

384

00:16:43,189 --> 00:16:41,120

a high achiever who never sought

385

00:16:45,829 --> 00:16:43,199

attention or accolades

386

00:16:47,990 --> 00:16:45,839

instead she used her success to help

387

00:16:49,269 --> 00:16:48,000

countless others to follow in her

388

00:16:50,949 --> 00:16:49,279

footsteps

389

00:16:51,990 --> 00:16:50,959

she helped others find their path

390

00:16:55,430 --> 00:16:52,000

forward

391

00:16:57,749 --> 00:16:55,440

mary winston jackson was a hero

392

00:16:59,189 --> 00:16:57,759

looking back on her remarkable life we

393

00:17:00,470 --> 00:16:59,199

can see some of the roots of her

394

00:17:04,230 --> 00:17:00,480

greatness

395

00:17:06,230 --> 00:17:04,240

born april 9 1921 in hampton virginia

396

00:17:07,829 --> 00:17:06,240

she was a daughter of frank and ella

397

00:17:10,230 --> 00:17:07,839

scott winston

398

00:17:11,909 --> 00:17:10,240

her family was active at bethel amy

399

00:17:14,230 --> 00:17:11,919

church in hampton

400

00:17:16,870 --> 00:17:14,240

mary attended the all black george p

401
00:17:18,630 --> 00:17:16,880
phoenix training school and graduate

402
00:17:20,549 --> 00:17:18,640
with honors

403
00:17:22,789 --> 00:17:20,559
from there she entered

404
00:17:25,189 --> 00:17:22,799
what was then hampton institute now

405
00:17:27,990 --> 00:17:25,199
hampton university where she joined

406
00:17:31,510 --> 00:17:28,000
alpha kappa alpha sorority

407
00:17:35,029 --> 00:17:31,520
mary graduated in 1942 with degrees in

408
00:17:37,350 --> 00:17:35,039
both mathematics and physical sciences

409
00:17:39,590 --> 00:17:37,360
mary tried various jobs before finding

410
00:17:40,870 --> 00:17:39,600
her place where she would ultimately

411
00:17:42,870 --> 00:17:40,880
make her mark

412
00:17:44,470 --> 00:17:42,880
she worked as a teacher

413
00:17:45,750 --> 00:17:44,480

a receptionist

414

00:17:47,750 --> 00:17:45,760

a bookkeeper

415

00:17:49,430 --> 00:17:47,760

and was a homemaker for a while after

416

00:17:52,470 --> 00:17:49,440

the birth of her son

417

00:17:55,590 --> 00:17:52,480

but mary wasn't done she had more to do

418

00:17:57,029 --> 00:17:55,600

her turning point came in 1951.

419

00:17:59,590 --> 00:17:57,039

she accepted a position as a

420

00:18:01,830 --> 00:17:59,600

mathematician with the national advisory

421

00:18:03,350 --> 00:18:01,840

committee for aeronautics nasa's

422

00:18:05,830 --> 00:18:03,360

precursor

423

00:18:07,270 --> 00:18:05,840

as part of the segregated west area

424

00:18:09,430 --> 00:18:07,280

computers

425

00:18:11,909 --> 00:18:09,440

after two years mary took a computing

426
00:18:14,630 --> 00:18:11,919
position in langley's four foot by four

427
00:18:17,190 --> 00:18:14,640
foot supersonic pressure tunnel

428
00:18:19,590 --> 00:18:17,200
there she got hands-on experience

429
00:18:21,510 --> 00:18:19,600
and she excelled

430
00:18:23,590 --> 00:18:21,520
her boss encouraged her to enter a

431
00:18:26,310 --> 00:18:23,600
training program that would allow her to

432
00:18:27,430 --> 00:18:26,320
earn a promotion from mathematician to

433
00:18:30,070 --> 00:18:27,440
engineer

434
00:18:32,230 --> 00:18:30,080
what happened next is now well known

435
00:18:34,789 --> 00:18:32,240
because hampton public schools

436
00:18:36,950 --> 00:18:34,799
were segregated at the time mary had to

437
00:18:39,590 --> 00:18:36,960
petition the city for the right to take

438
00:18:42,470 --> 00:18:39,600

classes alongside white students

439

00:18:44,470 --> 00:18:42,480

thanks to what was described as a quiet

440

00:18:46,789 --> 00:18:44,480

but commanding nature

441

00:18:49,110 --> 00:18:46,799

she got the petition approved

442

00:18:53,350 --> 00:18:49,120

jackson became nasa's first

443

00:18:55,990 --> 00:18:53,360

african-american female engineer in 1958

444

00:18:58,789 --> 00:18:56,000

and i want to just set that for context

445

00:19:00,630 --> 00:18:58,799

i was one year old when that happened so

446

00:19:04,070 --> 00:19:00,640

she set the groundwork

447

00:19:06,070 --> 00:19:04,080

even then by 1975 she had written

448

00:19:08,310 --> 00:19:06,080

numerous technical publications for the

449

00:19:09,830 --> 00:19:08,320

agency and proven her merit as an

450

00:19:14,070 --> 00:19:09,840

engineer

451
00:19:15,190 --> 00:19:14,080
then in 1979 she made a bold and heroic

452
00:19:17,110 --> 00:19:15,200
change

453
00:19:19,510 --> 00:19:17,120
instead of continuing her successful

454
00:19:22,150 --> 00:19:19,520
engineering career she took a reduction

455
00:19:24,150 --> 00:19:22,160
in grade to work in the area of equal

456
00:19:25,990 --> 00:19:24,160
opportunity

457
00:19:29,029 --> 00:19:26,000
after training at nasa headquarters she

458
00:19:30,870 --> 00:19:29,039
returned to langley to look and took the

459
00:19:31,909 --> 00:19:30,880
position of federal women's program

460
00:19:34,549 --> 00:19:31,919
manager

461
00:19:36,830 --> 00:19:34,559
in that role she enabled the hiring and

462
00:19:40,549 --> 00:19:36,840
promotion of a new generation of female

463
00:19:42,549 --> 00:19:40,559

mathematicians engineers and scientists

464

00:19:44,470 --> 00:19:42,559

mary w jackson was a pioneer in

465

00:19:46,310 --> 00:19:44,480

diversity and inclusion

466

00:19:49,590 --> 00:19:46,320

in policy yes

467

00:19:52,950 --> 00:19:49,600

but even more importantly in action

468

00:19:57,430 --> 00:19:52,960

she retired from nasa in 1985

469

00:19:59,830 --> 00:19:57,440

she passed away on february 11 2005.

470

00:20:01,669 --> 00:19:59,840

mary w jackson was a pioneer who dared

471

00:20:05,110 --> 00:20:01,679

to challenge convention

472

00:20:07,430 --> 00:20:05,120

she had the courage to fight inequality

473

00:20:10,630 --> 00:20:07,440

and when she emerged victorious

474

00:20:12,549 --> 00:20:10,640

she spread the benefits far and wide

475

00:20:14,310 --> 00:20:12,559

throughout her life she made a positive

476

00:20:15,350 --> 00:20:14,320

impact in the lives of her fellow

477

00:20:17,430 --> 00:20:15,360

citizens

478

00:20:18,549 --> 00:20:17,440

she was active in the girl scouts for

479

00:20:21,669 --> 00:20:18,559

decades

480

00:20:24,230 --> 00:20:21,679

influencing thousands of young women

481

00:20:26,149 --> 00:20:24,240

the recognition we celebrate today

482

00:20:29,430 --> 00:20:26,159

is appropriate because mary jackson

483

00:20:32,630 --> 00:20:29,440

remains an inspiration her perseverance

484

00:20:34,870 --> 00:20:32,640

her empathy her desire to lift us all

485

00:20:37,029 --> 00:20:34,880

she inspired others to excel and to

486

00:20:38,870 --> 00:20:37,039

break through barriers that is the

487

00:20:41,830 --> 00:20:38,880

spirit of nasa

488

00:20:44,710 --> 00:20:41,840

mary jackson chose to lead by example

489

00:20:45,909 --> 00:20:44,720

and at nasa today we strive to emulate

490

00:20:48,390 --> 00:20:45,919

her vision

491

00:20:50,950 --> 00:20:48,400

passion and commitment

492

00:20:53,430 --> 00:20:50,960

we celebrate that bright future that she

493

00:20:55,990 --> 00:20:53,440

pushed for so profoundly mary's

494

00:20:58,630 --> 00:20:56,000

accomplishments were sky high but her

495

00:21:00,549 --> 00:20:58,640

feet were planted firmly on the ground

496

00:21:03,110 --> 00:21:00,559

in her community

497

00:21:05,350 --> 00:21:03,120

she knew that nothing great can be built

498

00:21:07,350 --> 00:21:05,360

without a solid foundation

499

00:21:09,990 --> 00:21:07,360

so she rolled up her sleeves and she

500

00:21:12,789 --> 00:21:10,000

built the best foundation possible

501
00:21:14,630 --> 00:21:12,799
we honor mary winston jackson by adding

502
00:21:16,630 --> 00:21:14,640
to that foundation

503
00:21:19,190 --> 00:21:16,640
this headquarters building bearing her

504
00:21:21,830 --> 00:21:19,200
name will be a shining symbol of her

505
00:21:23,350 --> 00:21:21,840
will to push beyond barriers for the

506
00:21:26,710 --> 00:21:23,360
benefit of all

507
00:21:29,190 --> 00:21:26,720
her example will guide us together

508
00:21:36,470 --> 00:21:29,200
as we reach for new heights to reveal

509
00:21:41,190 --> 00:21:38,630
so now i have the honor of introducing

510
00:21:43,110 --> 00:21:41,200
our next speaker

511
00:21:45,270 --> 00:21:43,120
langley's formerly hidden figure

512
00:21:47,750 --> 00:21:45,280
christine darden

513
00:21:50,390 --> 00:21:47,760

christine joined the agency as a human

514

00:21:53,029 --> 00:21:50,400

computer in 1967.

515

00:21:55,270 --> 00:21:53,039

over a 40-year nasa career she took on

516

00:21:58,630 --> 00:21:55,280

leadership roles including technical

517

00:22:01,350 --> 00:21:58,640

leader of nasa's sonic boom group in the

518

00:22:03,830 --> 00:22:01,360

high speed research program and director

519

00:22:05,430 --> 00:22:03,840

of the aero arrow performing center

520

00:22:08,310 --> 00:22:05,440

program office

521

00:22:10,390 --> 00:22:08,320

she was the first african-american woman

522

00:22:12,870 --> 00:22:10,400

at langley to be promoted to the senior

523

00:22:14,870 --> 00:22:12,880

executive service for the non-nassar

524

00:22:18,070 --> 00:22:14,880

government folks senior executive

525

00:22:20,149 --> 00:22:18,080

service is the highest civilian rank in

526
00:22:21,990 --> 00:22:20,159
the government

527
00:22:24,310 --> 00:22:22,000
she authored many publications in the

528
00:22:27,590 --> 00:22:24,320
field of high lift wing design and

529
00:22:29,350 --> 00:22:27,600
supersonic flow flap design sonic boom

530
00:22:31,110 --> 00:22:29,360
prediction and sonic boom

531
00:22:33,110 --> 00:22:31,120
miniaturization

532
00:22:34,950 --> 00:22:33,120
this is the work we use today in efforts

533
00:22:38,470 --> 00:22:34,960
like the low boom flight demonstrator

534
00:22:39,270 --> 00:22:38,480
mission and experimental x-59 aircraft

535
00:22:40,870 --> 00:22:39,280
so

536
00:22:42,710 --> 00:22:40,880
if you want to look outside and see the

537
00:22:44,950 --> 00:22:42,720
work that christine darden started it's

538
00:22:47,830 --> 00:22:44,960

right outside in our lobby

539

00:22:50,789 --> 00:22:47,840

in 1991 she received the nasa equal

540

00:22:52,470 --> 00:22:50,799

opportunity medal and in 1995 she

541

00:22:55,190 --> 00:22:52,480

received the nasa outstanding

542

00:22:58,050 --> 00:22:55,200

achievement medal please welcome

543

00:23:21,510 --> 00:22:58,060

christine darden

544

00:23:21,520 --> 00:23:24,950

good afternoon

545

00:23:28,630 --> 00:23:27,590

director turner acting administrator

546

00:23:31,510 --> 00:23:28,640

jersey

547

00:23:33,590 --> 00:23:31,520

members of the jackson family and other

548

00:23:35,590 --> 00:23:33,600

distinguished guests

549

00:23:38,789 --> 00:23:35,600

it's an indeed an honor for me to be

550

00:23:39,909 --> 00:23:38,799

here today as nasa recognizes mary w

551
00:23:42,870 --> 00:23:39,919
jackson

552
00:23:46,230 --> 00:23:42,880
in this very auspicious way for her work

553
00:23:48,470 --> 00:23:46,240
within nasa and her efforts in mentoring

554
00:23:50,310 --> 00:23:48,480
and guiding so many young people in this

555
00:23:52,470 --> 00:23:50,320
country

556
00:23:55,830 --> 00:23:52,480
i'm the fourth hidden figure in margot

557
00:23:57,110 --> 00:23:55,840
shetly's book hidden figures i was not

558
00:24:00,310 --> 00:23:57,120
in the movie

559
00:24:01,830 --> 00:24:00,320
i came to nasa about 24 years after

560
00:24:05,269 --> 00:24:01,840
dorothy vaughn

561
00:24:07,830 --> 00:24:05,279
16 years after mary jackson and 14 years

562
00:24:10,470 --> 00:24:07,840
after katherine johnson

563
00:24:13,510 --> 00:24:10,480

two things i like to remember about my

564

00:24:14,870 --> 00:24:13,520

introduction to the space program were

565

00:24:18,630 --> 00:24:14,880

one

566

00:24:20,710 --> 00:24:18,640

my assigned october 5th 1956

567

00:24:23,029 --> 00:24:20,720

to get the morning newspaper into the

568

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

school library down in asheville north

569

00:24:27,590 --> 00:24:24,640

carolina

570

00:24:30,390 --> 00:24:27,600

the headline was soviet's fire earth

571

00:24:34,390 --> 00:24:30,400

satellite into space it's circling the

572

00:24:37,510 --> 00:24:34,400

globe at 18 000 miles per hour and has

573

00:24:39,669 --> 00:24:37,520

made four crossings over the us in the

574

00:24:41,909 --> 00:24:39,679

last 24 hours

575

00:24:45,350 --> 00:24:41,919

of course that was sputnik

576

00:24:47,510 --> 00:24:45,360

i was then a senior in high school

577

00:24:49,350 --> 00:24:47,520

the second occasion was in spring of

578

00:24:51,269 --> 00:24:49,360

1962

579

00:24:53,029 --> 00:24:51,279

when along with catherine johnson's

580

00:24:56,230 --> 00:24:53,039

daughter joellette

581

00:24:58,870 --> 00:24:56,240

and mary jackson's niece anne winston

582

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

we all stood along queen street near

583

00:25:02,950 --> 00:25:00,559

hampton institute

584

00:25:04,070 --> 00:25:02,960

to view one of john glenn's victory

585

00:25:07,110 --> 00:25:04,080

parades

586

00:25:09,990 --> 00:25:07,120

after he successfully orbited the earth

587

00:25:11,990 --> 00:25:10,000

and his say returned to the earth

588

00:25:14,470 --> 00:25:12,000

the three of us were seniors and

589

00:25:16,789 --> 00:25:14,480

classmates at hampton institute

590

00:25:19,750 --> 00:25:16,799

soon to become graduates in the class of

591

00:25:21,990 --> 00:25:19,760

1962.

592

00:25:24,470 --> 00:25:22,000

after falling in love with physical

593

00:25:26,830 --> 00:25:24,480

science in the ninth grade and playing

594

00:25:29,909 --> 00:25:26,840

geometry during my junior year in high

595

00:25:33,350 --> 00:25:29,919

school i came to hampton institute with

596

00:25:35,669 --> 00:25:33,360

hopes of becoming a mathematician

597

00:25:37,750 --> 00:25:35,679

my dad called and suggested that i

598

00:25:41,269 --> 00:25:37,760

change that to teacher education in

599

00:25:42,630 --> 00:25:41,279

mathematics and physics which i did

600

00:25:45,190 --> 00:25:42,640

to do both

601
00:25:48,549 --> 00:25:45,200
i took many extra high-level math

602
00:25:49,990 --> 00:25:48,559
courses just before i graduated to start

603
00:25:52,310 --> 00:25:50,000
teaching

604
00:25:55,029 --> 00:25:52,320
my mother at that time told me that i

605
00:25:56,549 --> 00:25:55,039
needed to learn to speak up and talk to

606
00:25:58,630 --> 00:25:56,559
people

607
00:26:01,269 --> 00:25:58,640
speaking up led me to virginia state

608
00:26:04,310 --> 00:26:01,279
college two or three years later where i

609
00:26:07,350 --> 00:26:04,320
did research in aerosol physics and got

610
00:26:11,110 --> 00:26:07,360
a master's degree in applied mathematics

611
00:26:13,510 --> 00:26:11,120
i was then hired by nasa i was assigned

612
00:26:14,630 --> 00:26:13,520
to the re-entry physics branch

613
00:26:18,070 --> 00:26:14,640

at

614

00:26:20,390 --> 00:26:18,080

of the high-speed aerodynamics division

615

00:26:21,590 --> 00:26:20,400

this was at the beginning of the apollo

616

00:26:23,909 --> 00:26:21,600

program

617

00:26:25,750 --> 00:26:23,919

i was working with several ladies who

618

00:26:27,590 --> 00:26:25,760

had worked with mary in the west

619

00:26:30,390 --> 00:26:27,600

computers

620

00:26:33,269 --> 00:26:30,400

speaking up again a few years later

621

00:26:35,510 --> 00:26:33,279

led me to a 20-year korean supersonic

622

00:26:37,029 --> 00:26:35,520

wing and flap design and sonic boom

623

00:26:40,070 --> 00:26:37,039

minimization

624

00:26:41,830 --> 00:26:40,080

and a doctorate and mechanical engineer

625

00:26:44,149 --> 00:26:41,840

hearing in addition to several

626
00:26:46,870 --> 00:26:44,159
leadership positions

627
00:26:49,110 --> 00:26:46,880
when i first met mary i learned that she

628
00:26:51,750 --> 00:26:49,120
was the first african-american female

629
00:26:54,070 --> 00:26:51,760
engineer at langley and that she spent

630
00:26:56,630 --> 00:26:54,080
quite a bit of time speaking to school

631
00:26:57,590 --> 00:26:56,640
students in hampton and newport news

632
00:27:00,870 --> 00:26:57,600
schools

633
00:27:03,190 --> 00:27:00,880
what kind of jobs were available at nasa

634
00:27:06,310 --> 00:27:03,200
how did one prepare for them

635
00:27:09,510 --> 00:27:06,320
those school talks were profitable i've

636
00:27:11,909 --> 00:27:09,520
heard several langley employees say that

637
00:27:15,830 --> 00:27:11,919
they became engineers because they heard

638
00:27:17,590 --> 00:27:15,840

talks from employees just like mary

639

00:27:20,149 --> 00:27:17,600

about that time

640

00:27:22,789 --> 00:27:20,159

many african-american professionals at

641

00:27:25,909 --> 00:27:22,799

langley learned that a black technical

642

00:27:27,830 --> 00:27:25,919

society had a state charter in the city

643

00:27:30,070 --> 00:27:27,840

of hampton

644

00:27:32,789 --> 00:27:30,080

mary and catherine along with the rest

645

00:27:35,669 --> 00:27:32,799

of us got together and renewed that

646

00:27:36,950 --> 00:27:35,679

charter and activated the chapter at

647

00:27:39,269 --> 00:27:36,960

langley

648

00:27:41,430 --> 00:27:39,279

working with students was the primary

649

00:27:43,510 --> 00:27:41,440

target of the national technical

650

00:27:45,830 --> 00:27:43,520

association

651
00:27:47,269 --> 00:27:45,840
math contests were sponsored for middle

652
00:27:49,830 --> 00:27:47,279
school students

653
00:27:53,350 --> 00:27:49,840
to help the students with math skills

654
00:27:55,990 --> 00:27:53,360
and confidence in taking tests

655
00:27:58,070 --> 00:27:56,000
sat tutorials were sponsored for high

656
00:27:59,350 --> 00:27:58,080
school students who were approaching

657
00:28:02,149 --> 00:27:59,360
graduation

658
00:28:04,710 --> 00:28:02,159
to help them with test taking skills

659
00:28:06,710 --> 00:28:04,720
knowledge and confidence

660
00:28:10,070 --> 00:28:06,720
one of the largest programs was the

661
00:28:13,029 --> 00:28:10,080
annual technical symposium for college

662
00:28:15,909 --> 00:28:13,039
students in hbcus

663
00:28:17,510 --> 00:28:15,919

in virginia north carolina maryland and

664

00:28:19,830 --> 00:28:17,520

d.c

665

00:28:20,950 --> 00:28:19,840

students gave technical talks on

666

00:28:23,750 --> 00:28:20,960

research

667

00:28:27,510 --> 00:28:23,760

and work they had done during the summer

668

00:28:29,190 --> 00:28:27,520

internship programs or positions

669

00:28:30,470 --> 00:28:29,200

they were judged and they were given

670

00:28:33,510 --> 00:28:30,480

awards

671

00:28:35,990 --> 00:28:33,520

the professors from the hbcus

672

00:28:41,190 --> 00:28:36,000

who had

673

00:28:44,230 --> 00:28:41,200

symposium and who brought many other

674

00:28:47,269 --> 00:28:44,240

students to the symposium

675

00:28:49,350 --> 00:28:47,279

they loved the symposium that we had

676
00:28:51,590 --> 00:28:49,360
the students learned to give technical

677
00:28:54,070 --> 00:28:51,600
talks and won prizes

678
00:28:56,310 --> 00:28:54,080
the colleges were impressed about the

679
00:28:58,710 --> 00:28:56,320
impact on their students

680
00:29:01,750 --> 00:28:58,720
and several colleges sent students to

681
00:29:03,830 --> 00:29:01,760
that symposium by the busload

682
00:29:05,510 --> 00:29:03,840
another very special thing i noticed

683
00:29:08,310 --> 00:29:05,520
about mary

684
00:29:11,430 --> 00:29:08,320
was how she reached out to and mentored

685
00:29:13,830 --> 00:29:11,440
the new african-american employees

686
00:29:15,830 --> 00:29:13,840
often when i was speaking with them they

687
00:29:18,310 --> 00:29:15,840
would speak of having been invited to

688
00:29:20,549 --> 00:29:18,320

mary's home for dinner

689

00:29:23,190 --> 00:29:20,559

she made a very special effort to meet

690

00:29:26,149 --> 00:29:23,200

these young aerospace engineers to

691

00:29:28,950 --> 00:29:26,159

welcome them to show them hospitality

692

00:29:30,789 --> 00:29:28,960

and to give them advice

693

00:29:33,350 --> 00:29:30,799

mary did not just

694

00:29:35,750 --> 00:29:33,360

do that for langley employees but to

695

00:29:39,029 --> 00:29:35,760

young people all around her

696

00:29:41,510 --> 00:29:39,039

those in the girl scouts those at church

697

00:29:43,590 --> 00:29:41,520

those in her neighborhood

698

00:29:45,029 --> 00:29:43,600

because of mary's work in the federal

699

00:29:47,350 --> 00:29:45,039

woman's program

700

00:29:49,750 --> 00:29:47,360

i too got a promotion

701
00:29:52,389 --> 00:29:49,760
and i read about it in the back of the

702
00:29:55,350 --> 00:29:52,399
book hidden figures

703
00:29:56,230 --> 00:29:55,360
and now i wish to ask everyone to join

704
00:30:12,230 --> 00:29:56,240
me

705
00:30:15,750 --> 00:30:12,240
historic occasion as nasa

706
00:30:18,630 --> 00:30:15,760
the inspirer of so many dreams

707
00:30:21,190 --> 00:30:18,640
renames its headquarters building for

708
00:30:23,110 --> 00:30:21,200
mary winston jackson

709
00:30:26,310 --> 00:30:23,120
the pioneering engineer

710
00:30:28,149 --> 00:30:26,320
who helped to make those dreams possible

711
00:30:31,590 --> 00:30:28,159
with her beautiful heart

712
00:30:33,029 --> 00:30:31,600
and with her brilliant mind

713
00:30:34,789 --> 00:30:33,039

may her name

714

00:30:36,950 --> 00:30:34,799

as well as her legacy

715

00:30:39,590 --> 00:30:36,960

forever be a reminder

716

00:30:40,710 --> 00:30:39,600

to all those who enter these mighty

717

00:30:42,310 --> 00:30:40,720

doors

718

00:30:45,190 --> 00:30:42,320

that we

719

00:30:46,789 --> 00:30:45,200

as a people have only been able to touch

720

00:30:48,830 --> 00:30:46,799

the stars

721

00:30:51,669 --> 00:30:48,840

because of ancestors like

722

00:30:55,590 --> 00:30:51,679

her who had the courage

723

00:30:59,269 --> 00:30:55,600

who had the resilience to overcome every

724

00:31:02,630 --> 00:30:59,279

obstacle placed in their way

725

00:31:05,669 --> 00:31:02,640

a trailblazer who empowered women and

726

00:31:08,630 --> 00:31:05,679

persons of color and who lifted the gaze

727

00:31:11,029 --> 00:31:08,640

of humanity to the heavens

728

00:31:12,470 --> 00:31:11,039

mary jackson's awesome record of

729

00:31:15,190 --> 00:31:12,480

achievement

730

00:31:18,389 --> 00:31:15,200

is no longer hidden

731

00:31:20,389 --> 00:31:18,399

but it's a foundation for our shared

732

00:31:21,669 --> 00:31:20,399

future

733

00:31:27,269 --> 00:31:21,679

here

734

00:31:29,350 --> 00:31:27,279

congratulations nasa

735

00:31:31,669 --> 00:31:29,360

and congratulations to the entire

736

00:31:34,870 --> 00:31:31,679

jackson family

737

00:31:37,909 --> 00:31:34,880

thank you for giving our history

738

00:31:40,070 --> 00:31:37,919

and our hope of exploration

739

00:31:41,909 --> 00:31:40,080

a name

740

00:31:43,750 --> 00:31:41,919

her name

741

00:31:45,590 --> 00:31:43,760

we stand with you

742

00:31:48,389 --> 00:31:45,600

in gratitude

743

00:31:52,149 --> 00:31:50,070

congratulations nasa and the jackson

744

00:31:55,269 --> 00:31:52,159

family on this historic occasion

745

00:31:57,269 --> 00:31:55,279

honoring mary and her legacy peace

746

00:31:59,190 --> 00:31:57,279

i think it is extraordinary that nasa

747

00:32:01,990 --> 00:31:59,200

has named our headquarters building in

748

00:32:04,149 --> 00:32:02,000

honor of mary w jackson i hope that it

749

00:32:06,310 --> 00:32:04,159

inspires young girls and in particular

750

00:32:08,789 --> 00:32:06,320

young girls of color to consider a stem

751

00:32:10,470 --> 00:32:08,799

field as a career it shows our youth

752

00:32:13,029 --> 00:32:10,480

what achievements are possible through

753

00:32:20,389 --> 00:32:13,039

hard work education dedication and

754

00:32:23,990 --> 00:32:22,310

i knew that this was somebody that i

755

00:32:26,070 --> 00:32:24,000

needed to highlight and to honor through

756

00:32:28,149 --> 00:32:26,080

this portrait this was a woman this was

757

00:32:30,070 --> 00:32:28,159

nasa's first last female engineer that

758

00:32:31,750 --> 00:32:30,080

had accomplished so much and whose

759

00:32:33,669 --> 00:32:31,760

achievements hadn't been known by the

760

00:32:36,870 --> 00:32:33,679

general public for far too long i wanted

761

00:32:39,509 --> 00:32:36,880

to create a piece that represented and

762

00:32:41,190 --> 00:32:39,519

celebrated and honored barry jackson

763

00:32:43,430 --> 00:32:41,200

really see the woman not only that we're

764

00:32:46,310 --> 00:32:43,440

celebrating now but what it took for her

765

00:32:48,389 --> 00:32:46,320

to get there to be even a black artist

766

00:32:50,549 --> 00:32:48,399

making artwork about space it's it's

767

00:32:54,710 --> 00:32:50,559

because of her triumphs and it's because

768

00:32:56,950 --> 00:32:54,720

of her legacy that she left behind

769

00:32:59,430 --> 00:32:56,960

the heroes and the figures that

770

00:33:01,430 --> 00:32:59,440

we had presented to us as kids didn't

771

00:33:03,700 --> 00:33:01,440

ever look like me this is a figure who

772

00:33:07,190 --> 00:33:03,710

actually looks like us represents it

773

00:33:09,029 --> 00:33:07,200

[Music]

774

00:33:11,909 --> 00:33:09,039

when you look back at history there's

775

00:33:14,149 --> 00:33:11,919

the time there's the dates art is the

776

00:33:16,310 --> 00:33:14,159

color or the sound and the emotions that

777

00:33:18,950 --> 00:33:16,320

encapsulate at the moment it's the real

778

00:33:24,520 --> 00:33:18,960

human experience that happens as time

779

00:33:24,530 --> 00:33:32,549

[Music]

780

00:33:37,430 --> 00:33:34,710

good afternoon everyone my name is

781

00:33:39,430 --> 00:33:37,440

tambita solomon also known as trapbob

782

00:33:42,630 --> 00:33:39,440

and i'm a visual artist illustrator and

783

00:33:46,149 --> 00:33:42,640

animator here in washington dc

784

00:33:49,830 --> 00:33:46,159

my work is artistically styled

785

00:33:51,830 --> 00:33:49,840

bold loud and colorful and often censors

786

00:33:53,430 --> 00:33:51,840

themes of representation and social

787

00:33:56,149 --> 00:33:53,440

justice

788

00:33:58,710 --> 00:33:56,159

my designs also often live in space with

789

00:34:00,549 --> 00:33:58,720

a starry background and feature powerful

790

00:34:03,350 --> 00:34:00,559

inspiring black women

791

00:34:05,190 --> 00:34:03,360

so i was beyond honored and thrilled to

792

00:34:06,389 --> 00:34:05,200

create artwork and be involved in this

793

00:34:07,750 --> 00:34:06,399

ceremony

794

00:34:10,230 --> 00:34:07,760

celebrating nasa's first

795

00:34:13,510 --> 00:34:10,240

african-american female engineer the

796

00:34:16,069 --> 00:34:13,520

amazing mary w jackson

797

00:34:18,629 --> 00:34:16,079

as black women we often have to go above

798

00:34:20,950 --> 00:34:18,639

and beyond to be successful create

799

00:34:22,950 --> 00:34:20,960

change and follow our dreams and we

800

00:34:24,950 --> 00:34:22,960

always deliver

801
00:34:26,790 --> 00:34:24,960
mary jackson's journey and work has

802
00:34:28,869 --> 00:34:26,800
inspired countless women across the

803
00:34:33,669 --> 00:34:28,879
country and the world who fight every

804
00:34:40,869 --> 00:34:36,790
myself along with other amazing local

805
00:34:42,790 --> 00:34:40,879
women artists og lullabies jamilo kubo

806
00:34:45,669 --> 00:34:42,800
jennifer white johnson

807
00:34:47,349 --> 00:34:45,679
tracy ching and kimchi juice

808
00:34:48,950 --> 00:34:47,359
were asked to interpret this moment and

809
00:34:50,790 --> 00:34:48,960
create a piece that embodied what it

810
00:34:52,629 --> 00:34:50,800
meant to us

811
00:34:54,710 --> 00:34:52,639
these commemorative pieces work as a

812
00:34:56,950 --> 00:34:54,720
beautiful lens into how powerful and

813
00:34:58,710 --> 00:34:56,960

inspiring this moment is

814

00:35:01,670 --> 00:34:58,720

for me this piece was about bringing to

815

00:35:03,910 --> 00:35:01,680

life mary jackson's power and impact

816

00:35:06,069 --> 00:35:03,920

while celebrating her great achievements

817

00:35:09,510 --> 00:35:06,079

and depicting just how out of this world

818

00:35:12,870 --> 00:35:11,190

working on this project has been one of

819

00:35:15,030 --> 00:35:12,880

the greatest moments in my career and

820

00:35:17,750 --> 00:35:15,040

will forever bring me inspiration and

821

00:35:19,670 --> 00:35:17,760

hope and as a dc resident i'm so proud

822

00:35:21,910 --> 00:35:19,680

to know that this building will be

823

00:35:24,470 --> 00:35:21,920

standing in her name

824

00:35:27,190 --> 00:35:24,480

and now it is my pleasure and honor to

825

00:35:52,260 --> 00:35:27,200

present my artwork to the jackson family

826

00:35:52,270 --> 00:36:07,109

[Applause]

827

00:36:11,910 --> 00:36:09,349

thank you good afternoon my name is

828

00:36:16,390 --> 00:36:11,920

wanda denise jackson and i'm the oldest

829

00:36:17,990 --> 00:36:16,400

granddaughter of mary winston jackson

830

00:36:23,030 --> 00:36:18,000

excuse me

831

00:36:27,270 --> 00:36:25,109

mother passed when she was two years old

832

00:36:29,990 --> 00:36:27,280

so her siblings

833

00:36:31,510 --> 00:36:30,000

had to raise her and carry her through

834

00:36:33,750 --> 00:36:31,520

her education

835

00:36:34,950 --> 00:36:33,760

make sure she got her degrees

836

00:36:37,190 --> 00:36:34,960

she was

837

00:36:38,710 --> 00:36:37,200

the last one to graduate of the winston

838

00:36:41,349 --> 00:36:38,720

family from

839

00:36:42,870 --> 00:36:41,359

hampton institute at that time where she

840

00:36:43,829 --> 00:36:42,880

did achieve

841

00:36:47,670 --> 00:36:43,839

her

842

00:36:51,270 --> 00:36:49,510

oh i'm sorry

843

00:36:53,750 --> 00:36:51,280

after graduation

844

00:36:56,470 --> 00:36:53,760

she taught mathematics

845

00:36:57,510 --> 00:36:56,480

in maryland where she also tutored high

846

00:36:59,910 --> 00:36:57,520

school

847

00:37:02,390 --> 00:36:59,920

and was a college student

848

00:37:04,069 --> 00:37:02,400

grandma married levi jackson senior in

849

00:37:06,710 --> 00:37:04,079

1944

850

00:37:08,550 --> 00:37:06,720

and had two children levi jackson jr in

851
00:37:11,990 --> 00:37:08,560
1964.

852
00:37:14,310 --> 00:37:12,000
and calamari in 1955.

853
00:37:16,230 --> 00:37:14,320
grandma was a very

854
00:37:18,150 --> 00:37:16,240
loving caring

855
00:37:21,030 --> 00:37:18,160
and feisty woman

856
00:37:23,190 --> 00:37:21,040
she was that type of person

857
00:37:27,430 --> 00:37:23,200
who would do anything

858
00:37:28,950 --> 00:37:27,440
for anybody no questions asked

859
00:37:31,589 --> 00:37:28,960
whatever you needed whether it was

860
00:37:33,430 --> 00:37:31,599
finance whether it was food

861
00:37:34,950 --> 00:37:33,440
whether it was love whether it was a

862
00:37:37,750 --> 00:37:34,960
place to live

863
00:37:40,150 --> 00:37:37,760

our door was a revolving door

864

00:37:42,390 --> 00:37:40,160

for many people to live

865

00:37:44,790 --> 00:37:42,400

many people to come stay

866

00:37:47,349 --> 00:37:44,800

even if you needed counseling

867

00:37:49,829 --> 00:37:47,359

washing clothes whatever

868

00:37:51,750 --> 00:37:49,839

our house was always open to any and

869

00:37:55,270 --> 00:37:51,760

everybody

870

00:37:57,829 --> 00:37:55,280

she was that mentor

871

00:37:58,870 --> 00:37:57,839

that educator she did influence a lot of

872

00:38:02,470 --> 00:37:58,880

people

873

00:38:04,550 --> 00:38:02,480

there are a lot of individuals

874

00:38:07,750 --> 00:38:04,560

who went into the engineer department

875

00:38:09,670 --> 00:38:07,760

who went into the mathematics department

876

00:38:11,829 --> 00:38:09,680

because of what she knew

877

00:38:15,910 --> 00:38:11,839

because of what she taught

878

00:38:22,069 --> 00:38:20,069

and this present time at 2021 we are now

879

00:38:25,349 --> 00:38:22,079

on the seventh generation

880

00:38:27,589 --> 00:38:25,359

at hampton ins or hampton university so

881

00:38:29,109 --> 00:38:27,599

we are still achieving

882

00:38:31,349 --> 00:38:29,119

our family is still putting out

883

00:38:33,349 --> 00:38:31,359

engineers doctors

884

00:38:35,990 --> 00:38:33,359

as well as lawyers

885

00:38:37,589 --> 00:38:36,000

i would like to thank everybody for this

886

00:38:40,150 --> 00:38:37,599

opportunity

887

00:38:43,030 --> 00:38:40,160

i have had the honor all my life of

888

00:38:46,069 --> 00:38:43,040

knowing her of traveling with her

889

00:38:48,470 --> 00:38:46,079

eva visiting nasa headquarters when she

890

00:38:50,150 --> 00:38:48,480

was here tri um training

891

00:38:51,510 --> 00:38:50,160

we would come up on the weekends because

892

00:38:53,990 --> 00:38:51,520

she lived here

893

00:38:55,990 --> 00:38:54,000

so we would come up on the weekends to

894

00:38:57,750 --> 00:38:56,000

spend the weekends with her as well as

895

00:38:59,030 --> 00:38:57,760

my aunt because my aunt also lived up

896

00:39:00,630 --> 00:38:59,040

here too

897

00:39:02,870 --> 00:39:00,640

going back and forth

898

00:39:04,980 --> 00:39:02,880

it was exciting

899

00:39:06,150 --> 00:39:04,990

but not exciting

900

00:39:07,910 --> 00:39:06,160

[Music]

901
00:39:10,230 --> 00:39:07,920
our exciting moments was when she helped

902
00:39:13,270 --> 00:39:10,240
design the space shuttle it was exciting

903
00:39:14,710 --> 00:39:13,280
for about 30 days she had the model up

904
00:39:16,470 --> 00:39:14,720
next thing you know it was gone it was

905
00:39:18,710 --> 00:39:16,480
almost like it was in and out

906
00:39:21,190 --> 00:39:18,720
she never gloated

907
00:39:23,190 --> 00:39:21,200
or bragged about anything she did any of

908
00:39:25,510 --> 00:39:23,200
her accomplishments

909
00:39:27,349 --> 00:39:25,520
or anything like that it was just

910
00:39:29,430 --> 00:39:27,359
who she was

911
00:39:32,310 --> 00:39:29,440
everyday life

912
00:39:35,030 --> 00:39:32,320
just something to do it was just my job

913
00:39:38,069 --> 00:39:35,040

it wasn't anything special

914

00:39:39,109 --> 00:39:38,079

she was special to us she was always our

915

00:39:40,710 --> 00:39:39,119

hero

916

00:39:44,550 --> 00:39:40,720

she was always

917

00:39:47,030 --> 00:39:44,560

our star so i would like to thank

918

00:39:48,950 --> 00:39:47,040

nasa and dority vaughn again for showing

919

00:39:51,510 --> 00:39:48,960

the world

920

00:39:53,349 --> 00:39:51,520

what the winston and jackson family

921

00:39:56,069 --> 00:39:53,359

always knew about her

922

00:39:59,109 --> 00:39:56,079

she was always our special person she

923

00:40:01,109 --> 00:39:59,119

was always our hero

924

00:40:03,270 --> 00:40:01,119

with that being said i would now like to

925

00:40:06,630 --> 00:40:03,280

introduce my brother

926
00:40:27,829 --> 00:40:06,640
brian jackson

927
00:40:33,670 --> 00:40:30,230
good afternoon everyone

928
00:40:35,270 --> 00:40:33,680
first and foremost i'd like to thank god

929
00:40:37,750 --> 00:40:35,280
for waking me up to be a part of this

930
00:40:39,349 --> 00:40:37,760
beautiful day in black history month

931
00:40:41,750 --> 00:40:39,359
my name is brian jackson i'm the

932
00:40:44,230 --> 00:40:41,760
grandson of mary winston jackson

933
00:40:46,710 --> 00:40:44,240
my grandmother was an amazing woman

934
00:40:48,309 --> 00:40:46,720
she was a leader she stood firm and

935
00:40:49,589 --> 00:40:48,319
couldn't stay committed to whatever she

936
00:40:51,589 --> 00:40:49,599
was involved in

937
00:40:53,910 --> 00:40:51,599
until it was complete

938
00:40:56,069 --> 00:40:53,920

she paved the way for so many without us

939

00:40:57,030 --> 00:40:56,079

even knowing cause she was a warrior

940

00:41:00,150 --> 00:40:57,040

someone

941

00:41:01,990 --> 00:41:00,160

who wouldn't take no for an answer

942

00:41:03,349 --> 00:41:02,000

excuse me

943

00:41:05,349 --> 00:41:03,359

someone who wouldn't take no for an

944

00:41:07,270 --> 00:41:05,359

answer if she felt she was making the

945

00:41:09,190 --> 00:41:07,280

change to better something

946

00:41:10,950 --> 00:41:09,200

growing up

947

00:41:13,190 --> 00:41:10,960

she would take me to langley

948

00:41:14,710 --> 00:41:13,200

show me around and visit the wind tunnel

949

00:41:16,630 --> 00:41:14,720

where she worked

950

00:41:18,150 --> 00:41:16,640

but i never knew how much of an impact

951
00:41:19,829 --> 00:41:18,160
she had at langley

952
00:41:21,349 --> 00:41:19,839
even in the community

953
00:41:22,950 --> 00:41:21,359
i knew she was somewhere unimportant

954
00:41:24,630 --> 00:41:22,960
based on the conversation she would have

955
00:41:27,349 --> 00:41:24,640
with other people

956
00:41:29,349 --> 00:41:27,359
they always spoke with the utmost

957
00:41:32,230 --> 00:41:29,359
respect the kind of respect that you

958
00:41:33,910 --> 00:41:32,240
give someone a person of power

959
00:41:36,069 --> 00:41:33,920
almost as if you seen your teacher in

960
00:41:38,470 --> 00:41:36,079
the hallway and she asked how you doing

961
00:41:39,910 --> 00:41:38,480
you just responded differently

962
00:41:41,349 --> 00:41:39,920
but when you heard my grandmother's name

963
00:41:42,470 --> 00:41:41,359

today when you hear the name mary

964

00:41:44,069 --> 00:41:42,480

jackson

965

00:41:45,990 --> 00:41:44,079

you think wow

966

00:41:47,270 --> 00:41:46,000

what a brilliant woman

967

00:41:48,630 --> 00:41:47,280

loving mother

968

00:41:50,309 --> 00:41:48,640

grandmother

969

00:41:53,990 --> 00:41:50,319

role model

970

00:41:55,430 --> 00:41:54,000

educated talented determined

971

00:41:57,270 --> 00:41:55,440

teacher

972

00:41:58,950 --> 00:41:57,280

a hero

973

00:42:01,270 --> 00:41:58,960

believe it or not she really was all

974

00:42:02,790 --> 00:42:01,280

that bothered into one woman

975

00:42:05,430 --> 00:42:02,800

but i'm gonna share time with you one

976
00:42:07,430 --> 00:42:05,440
day i thought she was a genius you could

977
00:42:09,589 --> 00:42:07,440
have told me einstein was related and i

978
00:42:11,430 --> 00:42:09,599
would have believed it

979
00:42:14,069 --> 00:42:11,440
i was 11 years old i had a science

980
00:42:16,470 --> 00:42:14,079
project it was a week to turn it in and

981
00:42:19,030 --> 00:42:16,480
i haven't thought of anything

982
00:42:21,030 --> 00:42:19,040
so she asked brian you know what you're

983
00:42:22,790 --> 00:42:21,040
going to do for your project

984
00:42:23,910 --> 00:42:22,800
i said now yeah grandma she said i have

985
00:42:25,829 --> 00:42:23,920
an idea

986
00:42:28,309 --> 00:42:25,839
i said what's that she said the monarch

987
00:42:29,829 --> 00:42:28,319
butterfly immediately

988
00:42:32,230 --> 00:42:29,839

i started thinking

989

00:42:35,270 --> 00:42:32,240

i can't go to school with a butterfly

990

00:42:36,150 --> 00:42:35,280

my kid the classmate's gonna laugh at me

991

00:42:37,670 --> 00:42:36,160

so

992

00:42:40,390 --> 00:42:37,680

but i couldn't go without a project

993

00:42:41,990 --> 00:42:40,400

neither so i researched the butterfly

994

00:42:43,349 --> 00:42:42,000

and come to find out the butterfly was

995

00:42:45,829 --> 00:42:43,359

pretty interesting

996

00:42:48,150 --> 00:42:45,839

to me it was a bad butterfly they had an

997

00:42:48,950 --> 00:42:48,160

eastern western monarchs

998

00:42:51,349 --> 00:42:48,960

uh

999

00:42:53,270 --> 00:42:51,359

then they feed off of these milkweeds

1000

00:42:55,190 --> 00:42:53,280

and they they put poison they store

1001
00:42:56,390 --> 00:42:55,200
poison in their body and they fly around

1002
00:42:58,390 --> 00:42:56,400
ton

1003
00:43:00,230 --> 00:42:58,400
other animals if you mess with me i'mma

1004
00:43:00,950 --> 00:43:00,240
poison you

1005
00:43:03,910 --> 00:43:00,960
so

1006
00:43:05,510 --> 00:43:03,920
i presented the science project and in

1007
00:43:07,109 --> 00:43:05,520
classroom and

1008
00:43:09,030 --> 00:43:07,119
just as i suspected some of the

1009
00:43:10,710 --> 00:43:09,040
classmates were laughing i thought it

1010
00:43:13,109 --> 00:43:10,720
was funny too but i didn't care my

1011
00:43:14,790 --> 00:43:13,119
grandma helped me with this project

1012
00:43:16,470 --> 00:43:14,800
i stood firm with it

1013
00:43:19,910 --> 00:43:16,480

i attended the project

1014

00:43:21,270 --> 00:43:19,920

and it came to classes

1015

00:43:23,109 --> 00:43:21,280

uh to

1016

00:43:23,910 --> 00:43:23,119

take projects to compete in the science

1017

00:43:26,069 --> 00:43:23,920

fair

1018

00:43:28,150 --> 00:43:26,079

and when i tell you that butterflies

1019

00:43:30,950 --> 00:43:28,160

monarch butterfly made it in the

1020

00:43:33,510 --> 00:43:30,960

cafeteria where i had inside there

1021

00:43:36,470 --> 00:43:33,520

so when the judges come

1022

00:43:39,030 --> 00:43:36,480

up to my project i presented same way

1023

00:43:42,390 --> 00:43:39,040

as i did in class and by the way no

1024

00:43:44,390 --> 00:43:42,400

animals were hurt during this project

1025

00:43:47,030 --> 00:43:44,400

i presented the project

1026

00:43:49,430 --> 00:43:47,040

didn't think that

1027

00:43:51,589 --> 00:43:49,440

go go home come in next day

1028

00:43:53,430 --> 00:43:51,599

school auditorium

1029

00:43:55,190 --> 00:43:53,440

the news come on for school in the

1030

00:43:56,550 --> 00:43:55,200

morning and they're announcing all the

1031

00:44:01,030 --> 00:43:56,560

winners

1032

00:44:03,670 --> 00:44:01,040

calling out names calling out names

1033

00:44:05,990 --> 00:44:03,680

then they say brian jackson

1034

00:44:09,030 --> 00:44:06,000

everybody in my classroom shot like like

1035

00:44:10,790 --> 00:44:09,040

what did brian jackson's third place

1036

00:44:12,550 --> 00:44:10,800

i was even shocked i couldn't believe i

1037

00:44:14,230 --> 00:44:12,560

wasn't expecting to hear my name

1038

00:44:16,069 --> 00:44:14,240

everyone was shocked and happy and

1039

00:44:17,109 --> 00:44:16,079

because of the project getting third

1040

00:44:19,510 --> 00:44:17,119

place

1041

00:44:21,910 --> 00:44:19,520

at class had a pizza party because it

1042

00:44:24,230 --> 00:44:21,920

was our classroom we had the project so

1043

00:44:25,829 --> 00:44:24,240

everybody was happy it was crying yeah

1044

00:44:27,670 --> 00:44:25,839

it was i was the man i felt like that

1045

00:44:31,030 --> 00:44:27,680

was the best day of my life

1046

00:44:32,710 --> 00:44:31,040

i go home tell my grandma say grandma i

1047

00:44:34,710 --> 00:44:32,720

got third place in the science project

1048

00:44:36,630 --> 00:44:34,720

and she just smirked

1049

00:44:37,430 --> 00:44:36,640

like she knew the project was gonna do

1050

00:44:38,950 --> 00:44:37,440

good

1051
00:44:40,390 --> 00:44:38,960
she knew the project was gonna do girl

1052
00:44:42,950 --> 00:44:40,400
so

1053
00:44:45,109 --> 00:44:42,960
when i wake up in the morning

1054
00:44:46,309 --> 00:44:45,119
knowing the woman i love honored and

1055
00:44:48,230 --> 00:44:46,319
respected

1056
00:44:50,790 --> 00:44:48,240
all my life

1057
00:44:52,790 --> 00:44:50,800
because the statue of hampton university

1058
00:44:55,589 --> 00:44:52,800
that i can go visit

1059
00:44:59,109 --> 00:44:55,599
a community center in hampton that my

1060
00:45:02,069 --> 00:44:59,119
kids will be attending next year

1061
00:45:04,710 --> 00:45:02,079
a high school i mean a elementary school

1062
00:45:06,150 --> 00:45:04,720
that kids will be graduating from every

1063
00:45:08,390 --> 00:45:06,160

year

1064

00:45:11,430 --> 00:45:08,400

a movie that i can put on the big screen

1065

00:45:14,150 --> 00:45:11,440

at any time i want

1066

00:45:19,589 --> 00:45:14,160

a congressional gold medal

1067

00:45:23,109 --> 00:45:20,790

excuse me

1068

00:45:24,630 --> 00:45:23,119

and now in washington d.c

1069

00:45:26,550 --> 00:45:24,640

representing national

1070

00:45:28,230 --> 00:45:26,560

nasa's headquarters

1071

00:45:29,750 --> 00:45:28,240

there's no words that can explain how

1072

00:45:32,710 --> 00:45:29,760

i'm feeling right now

1073

00:45:35,030 --> 00:45:32,720

i'm overwhelmed with joy and honor and

1074

00:45:37,510 --> 00:45:35,040

on the behalf of the jackson family

1075

00:45:39,670 --> 00:45:37,520

my uncle raymond sister keshanta and

1076

00:45:41,349 --> 00:45:39,680

wanda and i would like to thank everyone

1077

00:45:42,630 --> 00:45:41,359

that was involved in these projects

1078

00:45:44,550 --> 00:45:42,640

coming forth

1079

00:45:46,470 --> 00:45:44,560

and thank you god bless

1080

00:46:10,390 --> 00:45:46,480

and following me

1081

00:46:14,230 --> 00:46:12,309

so given we're in a nation's capital i'd

1082

00:46:15,990 --> 00:46:14,240

really like to yield my time to brian

1083

00:46:17,510 --> 00:46:16,000

because i could have heard more of that

1084

00:46:19,190 --> 00:46:17,520

thank you for sharing those stories i

1085

00:46:20,630 --> 00:46:19,200

was very personal and heartfelt so i was

1086

00:46:23,030 --> 00:46:20,640

right there with you

1087

00:46:25,030 --> 00:46:23,040

so now please join me

1088

00:46:28,309 --> 00:46:25,040

in enjoying the reflections of mary w

1089

00:46:30,069 --> 00:46:28,319

jackson's lasting influence and impact

1090

00:46:34,230 --> 00:46:30,079

and after that we'll have the unveiling

1091

00:46:40,069 --> 00:46:36,710

i first met mary jackson in

1092

00:46:43,349 --> 00:46:40,079

march of 1962

1093

00:46:47,109 --> 00:46:43,359

when i came to nasa lately

1094

00:46:48,230 --> 00:46:47,119

as one of the first four black engineers

1095

00:46:50,150 --> 00:46:48,240

so

1096

00:46:52,630 --> 00:46:50,160

it was a time

1097

00:46:56,390 --> 00:46:52,640

of frustration many times

1098

00:46:58,470 --> 00:46:56,400

but it was a time of overcoming

1099

00:46:59,750 --> 00:46:58,480

overcoming all of the obstacles that

1100

00:47:02,150 --> 00:46:59,760

people placed

1101
00:47:03,670 --> 00:47:02,160
in our way

1102
00:47:05,349 --> 00:47:03,680
to become

1103
00:47:06,950 --> 00:47:05,359
full-fledged

1104
00:47:09,190 --> 00:47:06,960
engineers

1105
00:47:10,950 --> 00:47:09,200
with the ability to work

1106
00:47:12,710 --> 00:47:10,960
critical critical

1107
00:47:14,790 --> 00:47:12,720
national programs

1108
00:47:17,750 --> 00:47:14,800
like the space program

1109
00:47:20,710 --> 00:47:17,760
many of the engineers and scientists

1110
00:47:21,990 --> 00:47:20,720
did not think of us as qualified or

1111
00:47:24,069 --> 00:47:22,000
worthy

1112
00:47:25,109 --> 00:47:24,079
to be engineers of such an important

1113
00:47:28,069 --> 00:47:25,119

national

1114

00:47:31,510 --> 00:47:28,079

program mary jackson was able to

1115

00:47:32,870 --> 00:47:31,520

dispel from the standpoint

1116

00:47:34,549 --> 00:47:32,880

not of that

1117

00:47:36,390 --> 00:47:34,559

my coworker's attitudes or her

1118

00:47:38,790 --> 00:47:36,400

co-workers attitudes

1119

00:47:41,030 --> 00:47:38,800

but because of our own attitudes and how

1120

00:47:43,270 --> 00:47:41,040

we should conduct ourselves

1121

00:47:45,109 --> 00:47:43,280

was always move forward

1122

00:47:46,950 --> 00:47:45,119

do your job

1123

00:47:49,510 --> 00:47:46,960

be the best you can be

1124

00:47:52,069 --> 00:47:49,520

and we'll all be okay

1125

00:47:53,750 --> 00:47:52,079

and that's what i take

1126
00:47:54,710 --> 00:47:53,760
mary jackson's

1127
00:47:57,430 --> 00:47:54,720
life

1128
00:47:59,910 --> 00:47:57,440
and her interaction with me

1129
00:48:02,630 --> 00:47:59,920
and i truly appreciate

1130
00:48:04,470 --> 00:48:02,640
all of the things she did for myself

1131
00:48:06,630 --> 00:48:04,480
and my family

1132
00:48:07,430 --> 00:48:06,640
my community

1133
00:48:09,990 --> 00:48:07,440
and

1134
00:48:12,870 --> 00:48:10,000
what she did for nasa as a young black

1135
00:48:15,349 --> 00:48:12,880
engineer at nasa langley um you know

1136
00:48:17,270 --> 00:48:15,359
there aren't many of us there and so you

1137
00:48:18,870 --> 00:48:17,280
try to look for the other

1138
00:48:20,870 --> 00:48:18,880

african-american

1139

00:48:24,549 --> 00:48:20,880

engineers there

1140

00:48:26,309 --> 00:48:24,559

and at langley they had a

1141

00:48:28,790 --> 00:48:26,319

chapter of the national technical

1142

00:48:29,990 --> 00:48:28,800

association uh the hampton roads chapter

1143

00:48:31,990 --> 00:48:30,000

of nta

1144

00:48:34,790 --> 00:48:32,000

and it was through that association that

1145

00:48:36,950 --> 00:48:34,800

i got to meet mary and people like

1146

00:48:39,270 --> 00:48:36,960

katherine johnson and christine darton

1147

00:48:41,349 --> 00:48:39,280

and other folks mary was very active in

1148

00:48:44,230 --> 00:48:41,359

that and i can remember many of meetings

1149

00:48:46,230 --> 00:48:44,240

that we met at oftentimes at nasa

1150

00:48:47,030 --> 00:48:46,240

langley we would have meetings where we

1151

00:48:49,430 --> 00:48:47,040

would

1152

00:48:51,589 --> 00:48:49,440

discuss and plan programs like a student

1153

00:48:54,390 --> 00:48:51,599

symposia where we would bring

1154

00:48:56,069 --> 00:48:54,400

college kids to nasa langley

1155

00:48:58,549 --> 00:48:56,079

and

1156

00:49:00,390 --> 00:48:58,559

get them to present

1157

00:49:01,910 --> 00:49:00,400

their work that they were doing in

1158

00:49:03,589 --> 00:49:01,920

school leave either

1159

00:49:05,990 --> 00:49:03,599

technical papers that they were writing

1160

00:49:08,790 --> 00:49:06,000

or research that they were conducting

1161

00:49:10,710 --> 00:49:08,800

and we would also let them see some of

1162

00:49:12,870 --> 00:49:10,720

the experimental and scientific

1163

00:49:13,750 --> 00:49:12,880

stabilities of langley and get a chance

1164

00:49:14,870 --> 00:49:13,760

to see

1165

00:49:16,630 --> 00:49:14,880

you know what

1166

00:49:19,670 --> 00:49:16,640

the real working engineers that looked

1167

00:49:22,710 --> 00:49:19,680

like them were doing uh for the space

1168

00:49:24,790 --> 00:49:22,720

agency and oftentimes after the meetings

1169

00:49:26,790 --> 00:49:24,800

were over we'd go over to mary's house

1170

00:49:28,549 --> 00:49:26,800

on queen street and then we'd have the

1171

00:49:30,950 --> 00:49:28,559

meeting after the meeting and that's

1172

00:49:33,430 --> 00:49:30,960

where i really got to see how involved

1173

00:49:35,430 --> 00:49:33,440

mary was in the local community because

1174

00:49:36,470 --> 00:49:35,440

there was just always somebody at her

1175

00:49:39,030 --> 00:49:36,480

house

1176

00:49:41,829 --> 00:49:39,040

local kids who come there to get math

1177

00:49:43,670 --> 00:49:41,839

tutoring or help with their homework i

1178

00:49:45,750 --> 00:49:43,680

mean she always had somebody over there

1179

00:49:49,030 --> 00:49:45,760

that she was helping and it was just

1180

00:49:50,150 --> 00:49:49,040

like a great big family

1181

00:49:52,549 --> 00:49:50,160

that

1182

00:49:55,589 --> 00:49:52,559

she always had there in her house and

1183

00:49:56,470 --> 00:49:55,599

she was just so dedicated to to helping

1184

00:49:58,470 --> 00:49:56,480

people

1185

00:50:00,710 --> 00:49:58,480

i started my career i lived with miss

1186

00:50:03,190 --> 00:50:00,720

jackson and her family

1187

00:50:04,069 --> 00:50:03,200

when the book hidden figures

1188

00:50:07,109 --> 00:50:04,079

first

1189

00:50:08,950 --> 00:50:07,119

came out written by margaret shetterly i

1190

00:50:11,510 --> 00:50:08,960

began to reminisce and i wondered how

1191

00:50:13,030 --> 00:50:11,520

did i come to know mary jackson how did

1192

00:50:15,510 --> 00:50:13,040

that even happen

1193

00:50:17,990 --> 00:50:15,520

so i began to search some old photos and

1194

00:50:19,589 --> 00:50:18,000

i found a photo of me

1195

00:50:20,950 --> 00:50:19,599

and miss jackson along with her

1196

00:50:23,829 --> 00:50:20,960

granddaughter

1197

00:50:26,470 --> 00:50:23,839

the photo was taken at my college

1198

00:50:28,630 --> 00:50:26,480

graduation dinner party

1199

00:50:29,829 --> 00:50:28,640

i knew mary jackson before working at

1200

00:50:32,470 --> 00:50:29,839

nasa

1201

00:50:34,549 --> 00:50:32,480

i went to hampton undergrad

1202

00:50:38,790 --> 00:50:34,559

and i met her pastor

1203

00:50:41,510 --> 00:50:38,800

her pastor gave me a receptionist job at

1204

00:50:43,670 --> 00:50:41,520

at their church and i knew he didn't

1205

00:50:46,950 --> 00:50:43,680

need a receptionist he was just making a

1206

00:50:50,390 --> 00:50:46,960

way for me to make a little extra money

1207

00:50:51,589 --> 00:50:50,400

i was a freshman at the time

1208

00:50:53,750 --> 00:50:51,599

later

1209

00:50:55,349 --> 00:50:53,760

i told him that i was going to be

1210

00:50:57,190 --> 00:50:55,359

working at nasa

1211

00:50:59,510 --> 00:50:57,200

he must have had a conversation with ms

1212

00:51:02,150 --> 00:50:59,520

jackson because miss jackson offered me

1213

00:51:04,150 --> 00:51:02,160

to live with her and her family

1214

00:51:06,549 --> 00:51:04,160

they were so welcoming and it was such a

1215

00:51:09,190 --> 00:51:06,559

blessing to me because i was

1216

00:51:10,950 --> 00:51:09,200

about in my 20s and it was my first time

1217

00:51:11,750 --> 00:51:10,960

moving away from home

1218

00:51:13,109 --> 00:51:11,760

so

1219

00:51:15,270 --> 00:51:13,119

to be

1220

00:51:18,470 --> 00:51:15,280

welcomed into such a beautiful and kind

1221

00:51:21,109 --> 00:51:18,480

family was just such a blessing

1222

00:51:23,270 --> 00:51:21,119

her husband levi jackson which we

1223

00:51:24,309 --> 00:51:23,280

affectionately called jack taught me how

1224

00:51:25,750 --> 00:51:24,319

to cook

1225

00:51:26,870 --> 00:51:25,760

and someone asked people what did he

1226

00:51:28,710 --> 00:51:26,880

teach you

1227

00:51:31,109 --> 00:51:28,720

and one dish did i remember is he taught

1228

00:51:33,109 --> 00:51:31,119

me how to bake a turkey i knew miss

1229

00:51:35,150 --> 00:51:33,119

jackson was brilliant but i didn't know

1230

00:51:39,109 --> 00:51:35,160

that she was the first

1231

00:51:42,549 --> 00:51:39,119

african-american female engineer at nasa

1232

00:51:44,069 --> 00:51:42,559

until i saw the movie hitting figures

1233

00:51:47,030 --> 00:51:44,079

miss jackson

1234

00:51:49,030 --> 00:51:47,040

was just so humble and she didn't brag

1235

00:51:51,270 --> 00:51:49,040

about any of her athletes i knew that

1236

00:51:53,589 --> 00:51:51,280

she was brilliant and i mean she made a

1237

00:51:55,109 --> 00:51:53,599

lot of contributions at nasa and she

1238

00:51:57,910 --> 00:51:55,119

helped a lot of people

1239

00:52:00,150 --> 00:51:57,920

not just african-americans but she also

1240

00:52:02,069 --> 00:52:00,160

she helped all people

1241

00:52:05,349 --> 00:52:02,079

when i first came there i it's

1242

00:52:07,750 --> 00:52:05,359

interesting one there was a little girl

1243

00:52:10,069 --> 00:52:07,760

barely crawling on the floor when i met

1244

00:52:12,150 --> 00:52:10,079

miss jackson back during the stage

1245

00:52:13,990 --> 00:52:12,160

and we went over there all the time you

1246

00:52:16,230 --> 00:52:14,000

know we needed something to eat or just

1247

00:52:18,710 --> 00:52:16,240

to hang out we should come see mr

1248

00:52:21,349 --> 00:52:18,720

jackson it's called mama jack and we

1249

00:52:23,510 --> 00:52:21,359

call mr jackson daddy jack

1250

00:52:25,670 --> 00:52:23,520

and uh i really remember those days and

1251

00:52:28,470 --> 00:52:25,680

they're very important to me

1252

00:52:30,950 --> 00:52:28,480

great impact on my life

1253

00:52:32,710 --> 00:52:30,960

and i can remember uh she took a

1254

00:52:34,470 --> 00:52:32,720

personal interest in me

1255

00:52:36,390 --> 00:52:34,480

in terms of my career

1256

00:52:39,349 --> 00:52:36,400

you know if i screwed something up

1257

00:52:41,190 --> 00:52:39,359

somehow she found out and almost before

1258

00:52:44,390 --> 00:52:41,200

i got back to my desk she was calling me

1259

00:52:46,630 --> 00:52:44,400

on the phone she said what you doing man

1260

00:52:48,549 --> 00:52:46,640

what she just did you know and it was

1261

00:52:50,390 --> 00:52:48,559

something good she was the one the first

1262

00:52:51,270 --> 00:52:50,400

people would call i don't know how she

1263

00:52:53,030 --> 00:52:51,280

knew

1264

00:52:55,990 --> 00:52:53,040

to this day you know

1265

00:52:58,309 --> 00:52:56,000

but that was this kind of person she was

1266

00:53:01,030 --> 00:52:58,319

and and i can remember she had a strong

1267

00:53:02,870 --> 00:53:01,040

love for her church and the community

1268

00:53:04,950 --> 00:53:02,880

you know and because she cared a lot

1269

00:53:05,990 --> 00:53:04,960

about kids she took a lot of people into

1270

00:53:08,790 --> 00:53:06,000

church

1271

00:53:11,190 --> 00:53:08,800

and she also advised me a lot of times

1272

00:53:13,030 --> 00:53:11,200

in terms of when i messed up

1273

00:53:14,630 --> 00:53:13,040

she told me about and when i did good

1274

00:53:16,710 --> 00:53:14,640

she told him about

1275

00:53:18,950 --> 00:53:16,720

i am honored to pay tribute to our alpha

1276

00:53:21,349 --> 00:53:18,960

kappa alpha sorority sister ms mary

1277

00:53:23,190 --> 00:53:21,359

jackson for her contributions to nasa

1278

00:53:25,109 --> 00:53:23,200

the space program and the fields of math

1279

00:53:26,630 --> 00:53:25,119

and science her accomplishments

1280

00:53:29,030 --> 00:53:26,640

underscore alpha kappa alpha's

1281

00:53:31,750 --> 00:53:29,040

commitment to education and encouraging

1282

00:53:34,230 --> 00:53:31,760

young women to pursue careers in math

1283

00:53:36,549 --> 00:53:34,240

science and engineering this newly named

1284

00:53:39,109 --> 00:53:36,559

facility will be a tangible way for them

1285

00:53:41,030 --> 00:53:39,119

to see the contributions of ms jackson

1286

00:53:43,349 --> 00:53:41,040

and the women of the west area computing

1287

00:53:45,829 --> 00:53:43,359

unit that are no longer hidden but very

1288

00:53:47,829 --> 00:53:45,839

visible in our nation's capital mary

1289

00:53:50,710 --> 00:53:47,839

jackson was my girl scout leader from

1290

00:53:52,150 --> 00:53:50,720

brownies to seniors 10 years

1291

00:53:55,109 --> 00:53:52,160

during that time she became like a

1292

00:53:58,309 --> 00:53:55,119

mother to me in fact all the girls we

1293

00:54:00,470 --> 00:53:58,319

were known as mrs jackson's girls

1294

00:54:03,190 --> 00:54:00,480

there are thousands of girls and young

1295

00:54:05,750 --> 00:54:03,200

women all over america who are potential

1296

00:54:10,309 --> 00:54:05,760

mary jacksons they need to hear the

1297

00:54:12,150 --> 00:54:10,319

stories of fantastic women like her

1298

00:54:13,750 --> 00:54:12,160

when i started my master career i was

1299

00:54:15,510 --> 00:54:13,760

doing computational modeling of

1300

00:54:17,670 --> 00:54:15,520

aerodynamic phenomena

1301
00:54:19,349 --> 00:54:17,680
and mary's contributions proved to me

1302
00:54:21,829 --> 00:54:19,359
that i too could achieve excellence in

1303
00:54:24,549 --> 00:54:21,839
aeronautics research her work in advance

1304
00:54:26,309 --> 00:54:24,559
in the u.s space program was monumental

1305
00:54:28,230 --> 00:54:26,319
and gives me a great sense of pride to

1306
00:54:30,150 --> 00:54:28,240
know that african american women were

1307
00:54:33,030 --> 00:54:30,160
leaders in one of our country's greatest

1308
00:54:35,430 --> 00:54:33,040
scientific and engineering successes

1309
00:54:37,430 --> 00:54:35,440
just as important the opportunity that i

1310
00:54:38,870 --> 00:54:37,440
had to work with mary on national

1311
00:54:41,190 --> 00:54:38,880
technical associations fifth and

1312
00:54:43,030 --> 00:54:41,200
conferences help spark my desire to

1313
00:54:43,910 --> 00:54:43,040

develop a diverse workforce for the

1314

00:54:46,710 --> 00:54:43,920

future

1315

00:54:48,870 --> 00:54:46,720

and that desire continues today

1316

00:54:50,870 --> 00:54:48,880

we name builders for people to recognize

1317

00:54:53,190 --> 00:54:50,880

their contributions and how they live

1318

00:54:55,349 --> 00:54:53,200

their lives the one examines mary's

1319

00:54:57,510 --> 00:54:55,359

contributions to the american public

1320

00:55:00,069 --> 00:54:57,520

via her engineering excellence opening

1321

00:55:01,990 --> 00:55:00,079

her home to new langley employees making

1322

00:55:04,470 --> 00:55:02,000

sure that everyone at nasa had equal

1323

00:55:06,789 --> 00:55:04,480

opportunities to succeed or develop in

1324

00:55:08,309 --> 00:55:06,799

future generations of explorers

1325

00:55:10,549 --> 00:55:08,319

it's appropriate that the nasa

1326
00:55:12,630 --> 00:55:10,559
headquarters bill to be named for her i

1327
00:55:14,950 --> 00:55:12,640
am very pleased that mary is being

1328
00:55:17,349 --> 00:55:14,960
honored in this way

1329
00:55:19,349 --> 00:55:17,359
my first interactions with mary jackson

1330
00:55:20,950 --> 00:55:19,359
were way before i ever thought i'd be

1331
00:55:22,549 --> 00:55:20,960
working at nasa langley and i didn't

1332
00:55:23,589 --> 00:55:22,559
know she did either

1333
00:55:25,510 --> 00:55:23,599
my

1334
00:55:28,230 --> 00:55:25,520
childhood

1335
00:55:30,150 --> 00:55:28,240
first cousins were belong to her church

1336
00:55:32,470 --> 00:55:30,160
and my sister and i were invited to

1337
00:55:34,390 --> 00:55:32,480
vacation bible school every year

1338
00:55:35,589 --> 00:55:34,400

where she was definitely a leader and

1339

00:55:38,390 --> 00:55:35,599

stood out

1340

00:55:41,030 --> 00:55:38,400

and then later when i became a nasa

1341

00:55:43,109 --> 00:55:41,040

employee mary reached out to me and she

1342

00:55:44,309 --> 00:55:43,119

did many of the african-american

1343

00:55:46,789 --> 00:55:44,319

employees

1344

00:55:49,270 --> 00:55:46,799

just to welcome me and let me know that

1345

00:55:51,990 --> 00:55:49,280

there was a support system there and she

1346

00:55:54,870 --> 00:55:52,000

also encouraged me to join the national

1347

00:55:56,630 --> 00:55:54,880

technical association and get involved

1348

00:55:58,630 --> 00:55:56,640

and make making sure that i published

1349

00:56:01,589 --> 00:55:58,640

and went to the technical conferences

1350

00:56:05,270 --> 00:56:01,599

you know it's been said that every

1351
00:56:07,829 --> 00:56:05,280
aircraft that has flown has gone through

1352
00:56:09,349 --> 00:56:07,839
the wind tunnels at nasa

1353
00:56:12,630 --> 00:56:09,359
langley so

1354
00:56:15,589 --> 00:56:12,640
the way i see mary's contributions is

1355
00:56:16,870 --> 00:56:15,599
that her fingerprints is on just about

1356
00:56:18,069 --> 00:56:16,880
every

1357
00:56:22,230 --> 00:56:18,079
aircraft

1358
00:56:23,270 --> 00:56:22,240
that flies in the in the world so i and

1359
00:56:26,069 --> 00:56:23,280
to think

1360
00:56:28,710 --> 00:56:26,079
that that is something that was done

1361
00:56:32,870 --> 00:56:28,720
her contributions were were done by

1362
00:56:33,910 --> 00:56:32,880
someone who looks like me i want to see

1363
00:56:36,549 --> 00:56:33,920

girls

1364

00:56:39,190 --> 00:56:36,559

who look like mary become the next

1365

00:56:41,910 --> 00:56:39,200

generation of scientists and engineers

1366

00:56:44,710 --> 00:56:41,920

and and and whatever but you need those

1367

00:56:48,309 --> 00:56:44,720

ropes you really need those role models

1368

00:56:51,910 --> 00:56:48,319

in order in order to capture the minds

1369

00:56:54,470 --> 00:56:51,920

of folks in the third and fourth grade

1370

00:56:56,069 --> 00:56:54,480

that's so bad that they can see yes i

1371

00:56:59,430 --> 00:56:56,079

can do this

1372

00:57:02,950 --> 00:56:59,440

it's so important that we learn how to

1373

00:57:03,829 --> 00:57:02,960

reach back and bring people up with us

1374

00:57:16,470 --> 00:57:03,839

and

1375

00:57:18,549 --> 00:57:16,480

there that were looking out for us even

1376

00:57:20,630 --> 00:57:18,559

if they never said anything

1377

00:57:23,190 --> 00:57:20,640

they knew who we were they knew where we

1378

00:57:24,630 --> 00:57:23,200

were they stepped in to give us advice

1379

00:57:27,589 --> 00:57:24,640

when we needed it and they were there

1380

00:57:30,870 --> 00:57:27,599

for us when we sought it out

1381

00:57:32,230 --> 00:57:30,880

and um and it's so important for for

1382

00:57:34,870 --> 00:57:32,240

people that are working now to

1383

00:57:37,589 --> 00:57:34,880

understand that no man is an island you

1384

00:57:38,630 --> 00:57:37,599

don't get anywhere without having people

1385

00:57:41,349 --> 00:57:38,640

around you

1386

00:57:44,309 --> 00:57:41,359

[Music]

1387

00:57:46,789 --> 00:57:44,319

and it's so important that all of us

1388

00:57:48,470 --> 00:57:46,799

continue the legacy of these people that

1389

00:57:50,549 --> 00:57:48,480

have come before us that we're standing

1390

00:57:53,990 --> 00:57:50,559

on their shoulders to

1391

00:57:56,390 --> 00:57:54,000

continue to reach out and make sure that

1392

00:57:59,109 --> 00:57:56,400

we see the talent there's talent

1393

00:58:01,030 --> 00:57:59,119

everywhere every human being has

1394

00:58:03,670 --> 00:58:01,040

something to give you have to bring

1395

00:58:09,030 --> 00:58:06,789

mary winston jackson

1396

00:58:12,309 --> 00:58:09,040

a wife mother

1397

00:58:16,069 --> 00:58:12,319

sister and family and church

1398

00:58:18,950 --> 00:58:16,079

quiet energetic humble a beautiful

1399

00:58:22,109 --> 00:58:18,960

person inside and out

1400

00:58:24,870 --> 00:58:22,119

i had the opportunity to be with her as

1401
00:58:26,309 --> 00:58:24,880
semi-caregiver when her health began to

1402
00:58:29,109 --> 00:58:26,319
fail

1403
00:58:32,309 --> 00:58:29,119
mary's homegoing service held february

1404
00:58:35,510 --> 00:58:32,319
the 17th 2005

1405
00:58:37,670 --> 00:58:35,520
and belgium pastor andre p jefferson

1406
00:58:39,589 --> 00:58:37,680
senior chose the topic

1407
00:58:43,270 --> 00:58:39,599
a queenly woman

1408
00:58:46,069 --> 00:58:43,280
for such a time as this

1409
00:58:47,109 --> 00:58:46,079
throughout their lives

1410
00:58:49,270 --> 00:58:47,119
mary

1411
00:58:50,470 --> 00:58:49,280
winston jackson

1412
00:59:05,990 --> 00:58:50,480
a true

1413
00:59:11,670 --> 00:59:08,150

all of us here today stand on the

1414

00:59:14,230 --> 00:59:11,680

shoulders of heroes like mary w jackson

1415

00:59:16,230 --> 00:59:14,240

who broke down barriers for women

1416

00:59:17,510 --> 00:59:16,240

and for people of color in engineering

1417

00:59:19,910 --> 00:59:17,520

and science

1418

00:59:22,230 --> 00:59:19,920

without their contributions nasa would

1419

00:59:23,990 --> 00:59:22,240

not be the leader in space and aviation

1420

00:59:26,309 --> 00:59:24,000

that it is today

1421

00:59:28,390 --> 00:59:26,319

to just discuss her own journey and

1422

00:59:30,789 --> 00:59:28,400

reveal the new headquarters sign i'd

1423

00:59:33,510 --> 00:59:30,799

like to introduce yolanda shea

1424

00:59:34,870 --> 00:59:33,520

yolanda shea is the product sciences for

1425

00:59:36,789 --> 00:59:34,880

the clario

1426

00:59:39,030 --> 00:59:36,799

climate absolute ratings and

1427

00:59:41,510 --> 00:59:39,040

refractivity observatory pathfinder

1428

00:59:43,589 --> 00:59:41,520

mission and is a research sciences at

1429

00:59:45,910 --> 00:59:43,599

nasa langley research center

1430

00:59:48,309 --> 00:59:45,920

her research has focused on what is

1431

00:59:50,630 --> 00:59:48,319

required for robust monitoring

1432

00:59:52,549 --> 00:59:50,640

of earth's changing climate

1433

00:59:54,390 --> 00:59:52,559

in recognition of her technical and

1434

00:59:56,549 --> 00:59:54,400

community service achievements

1435

00:59:58,870 --> 00:59:56,559

she was a recipient of the prestigious

1436

01:00:09,910 --> 00:59:58,880

presidential early career award for

1437

01:00:13,430 --> 01:00:11,829

thank you acting administrator jerzik

1438

01:00:16,069 --> 01:00:13,440

for the introduction

1439

01:00:18,390 --> 01:00:16,079

hello everyone my name is yolanda shea

1440

01:00:20,309 --> 01:00:18,400

and i am an atmospheric scientist at

1441

01:00:22,549 --> 01:00:20,319

nasa langley research center

1442

01:00:24,390 --> 01:00:22,559

i'm proud and excited to be a part of

1443

01:00:26,069 --> 01:00:24,400

today's historic event you may not be

1444

01:00:27,349 --> 01:00:26,079

able to see it but i have a big smile on

1445

01:00:29,349 --> 01:00:27,359

my face

1446

01:00:31,510 --> 01:00:29,359

i'm the project scientist for clario

1447

01:00:33,510 --> 01:00:31,520

pathfinder it's a climate observing

1448

01:00:35,349 --> 01:00:33,520

mission that will take unique high

1449

01:00:37,910 --> 01:00:35,359

accuracy measurements of sunlight

1450

01:00:39,670 --> 01:00:37,920

reflected by earth back to space

1451

01:00:42,150 --> 01:00:39,680

this reflected sunlight will carry

1452

01:00:44,230 --> 01:00:42,160

critical information back to our

1453

01:00:46,870 --> 01:00:44,240

instrument in space that we will use to

1454

01:00:49,109 --> 01:00:46,880

better understand earth's climate and

1455

01:00:51,270 --> 01:00:49,119

help improve the accuracy of other

1456

01:00:53,750 --> 01:00:51,280

satellite instruments

1457

01:00:55,430 --> 01:00:53,760

as i go about my research lead and

1458

01:00:58,549 --> 01:00:55,440

support my team

1459

01:01:00,870 --> 01:00:58,559

and advocate for our mission i focus on

1460

01:01:03,829 --> 01:01:00,880

the important tasks in front of me

1461

01:01:06,309 --> 01:01:03,839

however as i do this work i can't help

1462

01:01:09,430 --> 01:01:06,319

but remember the incredible pioneers who

1463

01:01:11,430 --> 01:01:09,440

have cleared this path for me

1464

01:01:14,230 --> 01:01:11,440

because of how important their examples

1465

01:01:16,789 --> 01:01:14,240

have been to me i do my best to serve as

1466

01:01:19,030 --> 01:01:16,799

an example for those who will become

1467

01:01:21,670 --> 01:01:19,040

tomorrow's leaders

1468

01:01:23,589 --> 01:01:21,680

in an earlier time my career at nasa

1469

01:01:25,510 --> 01:01:23,599

would not have been possible

1470

01:01:26,390 --> 01:01:25,520

thanks to the vision and fortitude of

1471

01:01:28,309 --> 01:01:26,400

many

1472

01:01:30,789 --> 01:01:28,319

we've seen progress

1473

01:01:33,109 --> 01:01:30,799

today the barriers i'm breaking down for

1474

01:01:35,750 --> 01:01:33,119

future generations are smaller than

1475

01:01:38,710 --> 01:01:35,760

those from the past thanks to the legacy

1476
01:01:39,349 --> 01:01:38,720
of strong passionate people like dorothy

1477
01:01:43,670 --> 01:01:39,359
v

1478
01:01:46,390 --> 01:01:43,680
katherine johnson christine darden and

1479
01:01:49,430 --> 01:01:46,400
of course mary jackson

1480
01:01:53,030 --> 01:01:49,440
it's a legacy of ambition and bravery

1481
01:01:55,510 --> 01:01:53,040
and one of equity kindness generosity

1482
01:02:01,029 --> 01:01:55,520
mentorship and belief in our nation's

1483
01:02:06,309 --> 01:02:03,750
with that i'd like to invite members of

1484
01:02:08,950 --> 01:02:06,319
mary jackson's family brian and raymond

1485
01:02:22,309 --> 01:02:08,960
jackson to join me as we dedicate this

1486
01:02:24,950 --> 01:02:23,589
all right will you join me in the

1487
01:02:26,150 --> 01:02:24,960
countdown

1488
01:02:27,109 --> 01:02:26,160

three

1489

01:02:29,880 --> 01:02:27,119

two

1490

01:02:41,910 --> 01:02:29,890

one

1491

01:02:51,349 --> 01:02:45,829

i present to you the mary w jackson nasa

1492

01:02:56,390 --> 01:02:53,349

so thank you for joining us today for

1493

01:03:04,010 --> 01:02:56,400

more information about nasa please go to