



1
00:00:02,169 --> 00:00:05,680
>>> OKAY, GOOD AFTERNOON.
I'M CLAYTON TURNER, DEPUTY

2
00:00:05,680 --> 00:00:09,170
DIRECTOR OF NASA'S LANGLEY
RESEARCH CENTER, AND IT IS MY

3
00:00:09,170 --> 00:00:12,570
HONOR TO WELCOME EVERYONE TO
TODAY'S SPECIAL EVENT -- THE

4
00:00:12,570 --> 00:00:16,650
OFFICIAL NAMING CEREMONY OF THE
FUTURE KATHERINE G. JOHNSON

5
00:00:16,650 --> 00:00:20,910
COMPUTATIONAL RESEARCH FACILITY.
AT THIS TIME, PLEASE SILENCE

6
00:00:20,910 --> 00:00:23,860
YOUR CELL PHONES AS WE HONOR OUR
NATION WITH THE POSTING OF OUR

7
00:00:23,860 --> 00:00:27,859
COUNTRY'S COLORS BY THE U.S.
JOINT BASE LANGLEY EUSTIS COLOR

8
00:00:27,859 --> 00:00:32,029
GUARD, AND THE SINGING OF OUR
NATIONAL ANTHEM BY NASA LANGLEY

9
00:00:32,029 --> 00:01:47,259
RESEARCHER KERRY GOUGH.
WM O SAY, CAN YOU SEE

10
00:01:47,259 --> 00:01:55,840
BY THE DAWN'S EARLY LIGHT WM
WM WHAT SO PROUDLY WE HAILED

11

00:01:55,840 --> 00:02:01,040

AT THE TWILIGHT'S
LAST GLEAMING? \M

12

00:02:01,040 --> 00:02:05,359

\M WHOSE BROAD STRIPES
AND BRIGHT STARS

13

00:02:05,359 --> 00:02:11,540

THROUGH THE PERILOUS FIGHT \M
\M O'ER THE RAMPARTS

14

00:02:11,540 --> 00:02:15,159

WE WATCHED
WERE SO GALLANTLY

15

00:02:15,159 --> 00:02:19,200

STREAMING? \M
\M AND THE ROCKETS'

16

00:02:19,200 --> 00:02:23,150

RED GLARE
THE BOMBS BURSTING

17

00:02:23,150 --> 00:02:28,019

IN AIR \M
\M GAVE PROOF

18

00:02:28,019 --> 00:02:37,349

THROUGH THE NIGHT
THAT OUR FLAG

19

00:02:37,349 --> 00:02:42,890

WAS STILL THERE \M
\M OH, SAY, DOES THAT

20

00:02:42,890 --> 00:02:46,340

STAR-SPANGLED BANNER
YET WAVE \M

21

00:02:46,340 --> 00:02:54,170

\M O'ER THE LAND
OF THE FREE \M

22

00:02:54,170 --> 00:03:08,959

\M AND THE HOME
OF THE BRAVE? \MM

23

00:03:08,959 --> 00:03:25,989

>> TURN, POST.
POST.

24

00:03:25,989 --> 00:03:46,390

MARCH.
>> YOU CAN TAKE YOUR SEATS,

25

00:03:46,390 --> 00:03:51,760

PLEASE.
ALTHOUGH SHE NEEDS VERY

26

00:03:51,760 --> 00:03:55,040

LITTLE INTRODUCTION, FIRST AND
FOREMOST PLEASE JOIN ME IN

27

00:03:55,040 --> 00:03:58,379

WELCOMING BACK TO NASA LANGLEY
RESEARCH CENTER TODAY'S SPECIAL

28

00:03:58,379 --> 00:04:03,200

GUEST OF HONOR, NASA LANGLEY
RETIREE AND "HUMAN COMPUTER,"

29

00:04:03,200 --> 00:04:25,800

KATHERINE G. JOHNSON.
[APPLAUSE]

30

00:04:25,800 --> 00:04:30,260

ALSO JOINING HER TODAY ARE HER
HUSBAND, JAMES, AND DAUGHTERS,

31

00:04:30,260 --> 00:04:33,580

JOYLETTE HYLICK AND
KATHERINE MOORE.

32

00:04:33,580 --> 00:04:36,170

WE ALSO HAVE SOME VERY SPECIAL
GUESTS JOINING US TODAY, AND

33

00:04:36,170 --> 00:04:40,120

IT'S MY HONOR TO INTRODUCE THEM.
THE HONORABLE BOBBY SCOTT,

34

00:04:40,120 --> 00:04:43,880

CONGRESSMAN FROM THE
3rd DISTRICT OF VIRGINIA.

35

00:04:43,880 --> 00:04:47,100

[APPLAUSE]

REPRESENTING CONGRESSMAN

36

00:04:47,100 --> 00:04:50,560

SCOTT RIGELL, 2nd DISTRICT OF
VIRGINIA, IS HIS DISTRICT

37

00:04:50,560 --> 00:04:57,250

DIRECTOR SHANNON KENDRICK.
[APPLAUSE]

38

00:04:57,250 --> 00:05:00,950

THE HONORABLE MARCIA PRICE,
DELEGATE TO THE VIRGINIA GENERAL

39

00:05:00,950 --> 00:05:05,030

ASSEMBLY FROM THE 95th DISTRICT.
[APPLAUSE]

40

00:05:05,030 --> 00:05:10,630

THE HONORABLE GEORGE WALLACE,
MAYOR OF THE CITY OF HAMPTON,

41
00:05:10,630 --> 00:05:16,670
[APPLAUSE]
CITY COUNCILMAN, DONNIE TUCK.

42
00:05:16,670 --> 00:05:22,310
[APPLAUSE]
>> VALERIE PRICE, THE FIRST LADY

43
00:05:22,310 --> 00:05:27,820
OF NEWPORT NEWS.
[APPLAUSE]

44
00:05:27,820 --> 00:05:32,980
>> AND OUR KEYNOTE SPEAKER,
MARGOT LEE SHETTERLY, AUTHOR OF

45
00:05:32,980 --> 00:05:35,950
THE BOOK "HIDDEN FIGURES: THE
STORY OF THE AFRICAN-AMERICAN

46
00:05:35,950 --> 00:05:43,320
WOMEN WHO HELPED WIN THE SPACE
RACE."

47
00:05:43,320 --> 00:05:47,370
I WOULD ALSO LIKE TO RECOGNIZE A
COUPLE GUESTS IN OUR AUDIENCE.

48
00:05:47,370 --> 00:05:56,670
NASA DEPUTY CHIEF OF STAFF
JON HERCZEG AND NASA CHIEF

49
00:05:56,670 --> 00:06:04,440
COUNSEL SUMARA THOMPSON-KING.
[APPLAUSE]

50
00:06:04,440 --> 00:06:07,330
SO THERE'S SOMETHING YOU SHOULD
KNOW ABOUT WHY WE PICKED TODAY

51
00:06:07,330 --> 00:06:10,191
TO HOLD THIS SPECIAL EVENT.
55 YEARS AGO, ON

52
00:06:10,191 --> 00:06:14,880
MAY 5th, 1961, ALAN SHEPARD
BECAME THE FIRST AMERICAN TO

53
00:06:14,880 --> 00:06:18,160
EVER FLY IN SPACE.
HIS MERCURY CAPSULE, CALLED

54
00:06:18,160 --> 00:06:24,860
FREEDOM 7, CARRIED HIM UP ABOUT
116 MILES, AND 15 MINUTES LATER

55
00:06:24,860 --> 00:06:28,680
HE LANDED SAFELY 310 MILES
DOWNRANGE FROM THE KENNEDY SPACE

56
00:06:28,680 --> 00:06:32,180
CENTER IN THE ATLANTIC OCEAN.
MILLIONS OF PEOPLE AROUND THE

57
00:06:32,180 --> 00:06:36,250
WORLD WATCHED SHEPARD'S FLIGHT,
BUT WHAT THEY DIDN'T KNOW AT THE

58
00:06:36,250 --> 00:06:40,010
TIME WAS THAT THE CALCULATIONS
THAT GOT HIM INTO SPACE AND

59
00:06:40,010 --> 00:06:43,520
SAFELY HOME WERE DONE BY TODAY'S
GUEST OF HONOR,

60
00:06:43,520 --> 00:06:51,760
KATHERINE JOHNSON.
[APPLAUSE]

61
00:06:51,760 --> 00:06:55,690
I CAN'T IMAGINE WHAT YOU MUST
HAVE BEEN FEELING DURING THOSE

62
00:06:55,690 --> 00:07:00,950
15 MINUTES.
I WANTED TO ALSO POINT OUT

63
00:07:00,950 --> 00:07:03,510
ANOTHER INTERESTING FACT ABOUT
TODAY'S EVENT, WHICH IS BEING

64
00:07:03,510 --> 00:07:05,530
HELD IN OUR REID CONFERENCE
CENTER.

65
00:07:05,530 --> 00:07:09,470
C DR. HENRY J.E. REID WAS THE
CENTER DIRECTOR WHEN KATHERINE

66
00:07:09,470 --> 00:07:14,480
WAS HIRED IN 1953.
HE LED LANGLEY FROM 1926 TO

67
00:07:14,480 --> 00:07:19,600
1960, FROM THE BIPLANE ERA TO
THE DOWN OF THE SPACE AGE.

68
00:07:19,600 --> 00:07:22,510
JUST DOWN THE HALL FROM US IS
THE PEARL YOUNG THEATER, NAMED

69
00:07:22,510 --> 00:07:27,780
FOR THE FIRST WOMAN HIRED TO DO
RESEARCH HERE IN 1922.

70
00:07:27,780 --> 00:07:30,600
ALL TOLD, THERE ARE HUNDREDS OF
BUILDINGS AND FACILITIES HERE AT

71
00:07:30,600 --> 00:07:34,290
LANGLEY, YET ONLY FOUR OF THEM
ARE ACTUALLY NAMED AFTER FORMER

72
00:07:34,290 --> 00:07:37,420
EMPLOYEES.
KATHERINE, TODAY YOU JOIN THAT

73
00:07:37,420 --> 00:07:39,550
ELITE GROUP WITH THE OFFICIAL
NAMING OF THE

74
00:07:39,550 --> 00:07:46,900
KATHERINE G. JOHNSON
COMPUTATIONAL RESEARCH FACILITY.

75
00:07:46,900 --> 00:07:52,650
[APPLAUSE]
THE COMPUTATIONAL RESEARCH

76
00:07:52,650 --> 00:07:57,080
FACILITY IS A 40,000 SQUARE FOOT
CONSOLIDATED DATA CENTER THAT

77
00:07:57,080 --> 00:08:00,070
WILL ALLOW OUR ENGINEERS AND
SCIENTISTS TO PERFORM ADVANCED

78
00:08:00,070 --> 00:08:03,040
COMPUTATIONAL RESEARCH AND
DEVELOPMENT, CRUNCHING DATA AND

79
00:08:03,040 --> 00:08:07,110
NUMBERS THAT WILL ONE DAY HELP
NASA LAND HUMANS ON MARS, DESIGN

80
00:08:07,110 --> 00:08:10,540
QUIETER, FASTER AND MORE
EFFICIENT FUTURE AIRCRAFT, AND

81
00:08:10,540 --> 00:08:13,890
HELP US BETTER UNDERSTAND OUR
CHANGING CLIMATE.

82
00:08:13,890 --> 00:08:16,180
IT'S NOT UNLIKE THE WORK THAT
KATHERINE DID DURING HER TENURE

83
00:08:16,180 --> 00:08:20,090
AT LANGLEY, HELPING NASA SEND
THE FIRST AMERICANS INTO SPACE,

84
00:08:20,090 --> 00:08:23,680
INTO ORBIT AROUND THE EARTH, AND
TO THE MOON AND BACK.

85
00:08:23,680 --> 00:08:26,690
EXCEPT SHE DIDN'T HAVE A
40,000 SQUARE FOOT BUILDING FULL

86
00:08:26,690 --> 00:08:31,720
OF CUTTING-EDGE TECHNOLOGY.
SHE DID MOST OF HER CALCULATIONS

87
00:08:31,720 --> 00:08:35,209
BY HAND, OR IN HER HEAD, AND
WITH THE HELP OF THE TECHNOLOGY

88
00:08:35,209 --> 00:08:38,689
OF HER DAY, MECHANICAL
CALCULATOR-TYPE MACHINES CALLED

89
00:08:38,689 --> 00:08:48,460
MONROE AND FRIDEN MACHINES.
PERHAPS JUST AS AMAZING IS THAT

90
00:08:48,460 --> 00:08:51,689
KATHERINE BEGAN HER WORK AT NASA
WHEN WOMEN AND MINORITIES WERE

91
00:08:51,689 --> 00:08:53,900
MARGINALIZED IN AMERICAN
SOCIETY.

92
00:08:53,900 --> 00:08:57,860
WHEN SHE STARTED WORK IN
1953 OUR CENTER WAS STILL

93
00:08:57,860 --> 00:09:05,670
SEGREGATED, BUT IT WAS HER
SKILLS, SPIRIT, CURIOSITY AND

94
00:09:05,670 --> 00:09:08,060
DETERMINATION THAT HELPED NOT
ONLY SOLVE THE DIFFICULT

95
00:09:08,060 --> 00:09:12,069
PROBLEMS OF SPACE TRAVEL, BUT
ALSO HELPED BREAK THE RACIAL AND

96
00:09:12,069 --> 00:09:15,709
GENDER BARRIERS SHE AND HER
COLLEAGUES FACED.

97
00:09:15,709 --> 00:09:19,259
NOW IT IS MY HONOR TO INTRODUCE
OUR FIRST GUEST SPEAKER, THE

98
00:09:19,259 --> 00:09:23,740
ACTING DIRECTOR OF OUR OFFICE OF
EQUAL OPPORTUNITY, MEL FEREBEE.

99
00:09:23,740 --> 00:09:27,470
MEL IS WHO INITIALLY PROPOSED
THE IDEA OF NAMING THE CRF AFTER

100
00:09:27,470 --> 00:09:30,930
KATHERINE, AND THEN WORKED THE
APPROVAL PROCESS WITH SENIOR

101

00:09:30,930 --> 00:09:33,970

NASA OFFICIALS.

PLEASE JOIN ME IN WELCOMING

102

00:09:33,970 --> 00:09:43,709

MEL TO THE STAGE.

[APPLAUSE]

103

00:09:43,709 --> 00:09:47,189

>> THANK YOU, CLAYTON, AND GOOD
AFTERNOON, EVERYONE.

104

00:09:47,189 --> 00:09:52,399

I FIRST HEARD OF DR. JOHNSON'S
STORY 41 YEARS AGO HERE AS A

105

00:09:52,399 --> 00:09:56,610

HIGH SCHOOL STUDENT.

MANY OF US ASSEMBLED HERE TODAY

106

00:09:56,610 --> 00:10:01,810

KNOW THE STORY, BUT IT'S WORTH
HIGHLIGHTING AGAIN.

107

00:10:01,810 --> 00:10:04,270

FROM AN EARLY AGE, KATHERINE
TOOK ADVANTAGE OF THE

108

00:10:04,270 --> 00:10:07,579

OPPORTUNITIES THAT CAME HER
WAY -- HER PASSION FOR NUMBERS

109

00:10:07,579 --> 00:10:11,740

AND MATHEMATICS LED HER TO SHARE
HER KNOWLEDGE FIRST AS A TEACHER

110

00:10:11,740 --> 00:10:15,079

AND THEN TO PURSUE A CAREER AT
THE LANGLEY AERONAUTICAL

111

00:10:15,079 --> 00:10:19,060

LABORATORY, WHICH BECAME NASA
LANGLEY RESEARCH CENTER.

112

00:10:19,060 --> 00:10:23,120

DURING A TIME WHEN WOMEN AND
MINORITIES WERE MARGINALIZED IN

113

00:10:23,120 --> 00:10:26,290

AMERICAN SOCIETY, SHE
PERSEVERED.

114

00:10:26,290 --> 00:10:30,860

SHE EXCELLED AT WHAT SHE DID.
HER REPUTATION FOR EXCELLENCE

115

00:10:30,860 --> 00:10:34,060

LED TO ASSIGNMENTS THAT WERE
CRUCIAL TO AMERICA'S EARLY SPACE

116

00:10:34,060 --> 00:10:37,630

PROGRAM.
SHE CALCULATED THE LAUNCH WINDOW

117

00:10:37,630 --> 00:10:41,540

AND TRAJECTORY OF THE FIRST
AMERICAN IN SPACE, ALAN SHEPARD,

118

00:10:41,540 --> 00:10:44,939

WHO MADE THAT HISTORIC FLIGHT
55 YEARS AGO.

119

00:10:44,939 --> 00:10:50,649

ALSO, TODAY IS THE VERY FIRST
NATIONAL ASTRONAUTS DAY.

120

00:10:50,649 --> 00:10:54,259

HER REPUTATION FOR ACCURACY WAS
SO WELL KNOWN THAT ASTRONAUT

121

00:10:54,259 --> 00:10:58,089

JOHN GLENN, WHOSE ORBITAL
TRAJECTORY WAS THE FIRST TO BE

122

00:10:58,089 --> 00:11:04,430

CALCULATED BY AN ELECTRONIC
COMPUTER, ASKED FOR HER TO CHECK

123

00:11:04,430 --> 00:11:09,060

THOSE CALCULATIONS.
IN FACT, SHE HELPED THE AGENCY

124

00:11:09,060 --> 00:11:14,270

ESTABLISH CONFIDENCE IN THIS NEW
ELECTRONIC COMPUTING.

125

00:11:14,270 --> 00:11:19,140

DR. JOHNSON WAS ASSIGNED TO WORK
ON THE APOLLO 11 MISSION, THE

126

00:11:19,140 --> 00:11:22,470

FIRST MISSION WHICH HUMANS
LANDED AND WALKED ON THE MOON.

127

00:11:22,470 --> 00:11:26,379

AND WHEN OUR NATION IDENTIFIED
THE NEED FOR A REUSABLE SPACE

128

00:11:26,379 --> 00:11:30,149

VEHICLE, THE SPACE SHUTTLE --
LARGE ENOUGH TO CARRY THE

129

00:11:30,149 --> 00:11:34,180

BUILDING BLOCKS OF WHAT HAS NOW
BECOME THE WORLD'S ONLY IN-SPACE

130

00:11:34,180 --> 00:11:38,339

LABORATORY, THE INTERNATIONAL
SPACE STATION -- SHE CALCULATED

131

00:11:38,339 --> 00:11:42,779

THOSE ORBITAL TRAJECTORIES TOO.
THROUGHOUT HER CAREER AND DURING

132

00:11:42,779 --> 00:11:46,790

HER RETIREMENT, SHE TOOK THE
TIME TO ENCOURAGE YOUNG PEOPLE,

133

00:11:46,790 --> 00:11:50,980

ESPECIALLY GIRLS, TO PURSUE
THEIR DREAMS IN SCIENCE,

134

00:11:50,980 --> 00:11:53,069

TECHNOLOGY, ENGINEERING AND
MATH.

135

00:11:53,069 --> 00:11:57,110

DR. JOHNSON, THANK YOU FOR
SETTING AN EXAMPLE FROM WHICH WE

136

00:11:57,110 --> 00:12:02,050

CAN ALL LEARN -- TO FOLLOW YOUR
PASSION, EXCEL IN YOUR WORK, AND

137

00:12:02,050 --> 00:12:06,589

ENCOURAGE OTHERS TO DO THE SAME.
YOU ARE AN INSPIRATION TO ME,

138

00:12:06,589 --> 00:12:10,889

AND TO ALL OF US, NOT ONLY HERE
AT LANGLEY, BUT ACROSS NASA AND

139

00:12:10,889 --> 00:12:13,879

OUR NATION.
THANK YOU.

140

00:12:13,879 --> 00:12:22,120

[APPLAUSE]

>> THANK YOU, MEL.

141

00:12:22,120 --> 00:12:23,279

AT THIS TIME, LADIES AND
GENTLEMEN, WE'D LIKE TO SHARE A

142

00:12:23,279 --> 00:12:42,949

SHORT VIDEO ABOUT KATHERINE'S
CAREER.

143

00:13:47,519 --> 00:13:15,240

\MM

\MM

144

00:14:52,089 --> 00:14:19,810

[APPLAUSE]

145

00:14:52,089 --> 00:14:56,589

>> NASA LANGLEY HAS BEEN PROUD
TO CALL HAMPTON HOME FOR ALMOST

146

00:14:56,589 --> 00:15:00,509

100 YEARS AND WE OUR GRATEFUL
FOR THE SUPPORT THE CITY AND ITS

147

00:15:00,509 --> 00:15:03,529

LEADERS HAVE SHOWN US.
WE AT LANGLEY ARE HAPPY TO

148

00:15:03,529 --> 00:15:10,879

WELCOME BACK HAMPTON MAYOR
GEORGE WALLACE FOR SOME OPENING

149

00:15:10,879 --> 00:15:14,129

REMARKS.
[APPLAUSE]

150

00:15:14,129 --> 00:15:18,699

>> GOOD AFTERNOON, LADIES AND
GENTLEMEN.

151

00:15:18,699 --> 00:15:24,290
IT IS ALTOGETHER FITTING AND
PROPER THAT WE ARE HERE TODAY TO

152
00:15:24,290 --> 00:15:29,430
HONOR A GREAT LADY WITH ANOTHER
SYMBOL OF HER LONG AND

153
00:15:29,430 --> 00:15:32,589
DISTINGUISHED CAREER.
WE KNOW THAT SHE WAS A CHILD

154
00:15:32,589 --> 00:15:35,660
PRODIGY WITH A PROLIFIC CAPACITY
TO COUNT EVERYTHING FROM THE

155
00:15:35,660 --> 00:15:39,490
NUMBERS OF STEPS FROM HER STEPS
TO THE CHURCH TO THE NUMBER OF

156
00:15:39,490 --> 00:15:46,080
DISHES ON THE SHELF TO COUNTING
THE TRAJECTORY OF ASTRONAUT ALAN

157
00:15:46,080 --> 00:15:50,660
GLENN'S 1961 AMERICAN FLIGHT TO
SPACE.

158
00:15:50,660 --> 00:15:57,670
SHE BECAME A SUMA CUM LAUDE
GRADUATE AT THE AGE OF 18.

159
00:15:57,670 --> 00:16:00,381
SHE WAS AMONG THE EARLY GROUP OF
WOMEN HIRED BY NASA TO BECOME

160
00:16:00,381 --> 00:16:05,300
KNOWN AS ONE OF THE GROUP OF
COMPUTERS IN SKIRTS.

161

00:16:05,300 --> 00:16:10,110
HER EXCELLENCE WAS KNOWN AND
NOTED EARLY, AND SHE WAS ASKED

162
00:16:10,110 --> 00:16:13,730
BY -- AS HAS BEEN INDICATED BY
ASTRONAUT JOHN GLENN TO DOUBLE

163
00:16:13,730 --> 00:16:17,829
CHECK THAT HE MADE THE CORRECT
COMPUTER CALCULATION TO MAKE

164
00:16:17,829 --> 00:16:20,980
SURE THAT THE NUMBERS WERE
CORRECT.

165
00:16:20,980 --> 00:16:26,329
SHE'S A WIFE OTHER MOTHER, AND A
GOOD FRIEND TO MANY.

166
00:16:26,329 --> 00:16:29,540
ON NOVEMBER 4th, 2015, SHE WAS
GIVEN THE PRESIDENTIAL MEDAL OF

167
00:16:29,540 --> 00:16:35,050
FREEDOM BY PRESIDENT BARACK
OBAMA, AS YOU WILL SEE.

168
00:16:35,050 --> 00:16:37,800
MOST RECENTLY, HAMPTON
ACKNOWLEDGES THE GREAT

169
00:16:37,800 --> 00:16:43,089
HAMPTONIAN IN OUR MIDST BY
CONVEYING UPON HER THE HIGHEST

170
00:16:43,089 --> 00:16:48,199
HONOR THAT WE CAN GIVE, THE
DISTINGUISHED CITIZENS MEDAL FOR

171

00:16:48,199 --> 00:16:51,459
EXTRAORDINARY SERVICE TO HAMPTON
AND AMERICA.

172
00:16:51,459 --> 00:16:55,019
TO YOU, MRS. JOHNSON, THANK YOU
FOR WHAT YOU HAVE DONE FOR ALL

173
00:16:55,019 --> 00:17:00,110
OF US, AND MAY THE RICH REWARDS
AND GOOD BLESSINGS CONTINUE TO

174
00:17:00,110 --> 00:17:05,610
BE YOURS.
THANK YOU.

175
00:17:05,610 --> 00:17:11,640
[APPLAUSE]
>> THANK YOU, MAYOR WALLACE.

176
00:17:11,640 --> 00:17:14,240
IN CASE YOU DIDN'T KNOW IT,
20th CENTURY FOX IS CURRENTLY

177
00:17:14,240 --> 00:17:17,790
SHOOTING A MAJOR MOTION PICTURE,
"HIDDEN FIGURES," WHICH IS

178
00:17:17,790 --> 00:17:20,130
SCHEDULED FOR RELEASE LATER THIS
YEAR.

179
00:17:20,130 --> 00:17:23,000
THE FILM IS BASED UPON THE BOOK
WRITTEN BY TODAY'S KEYNOTE

180
00:17:23,000 --> 00:17:26,870
SPEAKER, MS. MARGOT SHETTERLY.
I'D LIKE TO SHARE WITH YOU A

181

00:17:26,870 --> 00:17:35,650
VIDEO MESSAGE FROM SOME OF THE
CAST FROM THE MOVIE.

182
00:17:35,650 --> 00:17:42,810
>> HELLO, HELLO, HELLO.
I JUST WANTED TO PERSONALLY

183
00:17:42,810 --> 00:17:46,950
CONGRATULATE A HERO OF MINE,
MISS KATHERINE JOHNSON.

184
00:17:46,950 --> 00:17:51,290
THANK YOU SO MUCH FOR OPENING UP
SO MANY DOORS FOR YOUNG

185
00:17:51,290 --> 00:17:55,750
AFRICAN-AMERICAN WOMEN LIKE
MYSELF, AND SO MANY OTHERS, WHO

186
00:17:55,750 --> 00:17:59,390
USE THEIR INTELLIGENCE AS THEIR
POWER TO PERSEVERE THROUGH ALL

187
00:17:59,390 --> 00:18:01,360
OBSTACLES THAT MAY BE THROWN
THEIR WAY.

188
00:18:01,360 --> 00:18:05,500
I LOVE YOU SO MUCH AND I'M SO
HONORED TO EVEN TELL YOU THANK

189
00:18:05,500 --> 00:18:07,740
YOU.
GOD BLESS YOU, MISS KATHERINE,

190
00:18:07,740 --> 00:18:12,001
YOU ARE A TRUE ICON.
YOU ARE A LEADER AND THE WORLD

191

00:18:12,001 --> 00:18:15,740
WILL BE FOREVER BETTER BECAUSE
OF YOU.

192
00:18:15,740 --> 00:18:20,570
GOD BLESS.
>> MRS. KATHERINE JOHNSON, I AM

193
00:18:20,570 --> 00:18:22,990
HAPPY THAT YOU ARE BEING,
FINALLY BEING, ACKNOWLEDGED FOR

194
00:18:22,990 --> 00:18:27,550
YOUR CONTRIBUTIONS TO HISTORY,
TO THE WORLD, TO THE SPACE

195
00:18:27,550 --> 00:18:33,460
PROGRAM, TO WOMEN OF COLOR, TO
OUR HISTORY AND MAY YOUR NAME

196
00:18:33,460 --> 00:18:36,670
LONG LIVE ON THAT BUILDING AT
LANGLEY.

197
00:18:36,670 --> 00:18:38,919
I APPRECIATE YOU AND
CONGRATULATIONS.

198
00:18:38,919 --> 00:18:43,110
>> I'M TARAJI P. HENSON AND I
WANT TO CONGRATULATE YOU, MISS

199
00:18:43,110 --> 00:18:48,340
KATHERINE GOBLE JOHNSON, MISS
QUEEN JOHNSON, THE BRILLIANT

200
00:18:48,340 --> 00:18:51,410
MIND, MISS JOHNSON FOR THE
NAMING OF THE BUILDING,

201

00:18:51,410 --> 00:18:53,120

RIGHTFULLY DESERVED.

YOU DESERVE IT.

202

00:18:53,120 --> 00:18:59,920

THEY SHOULD NAME NASA AFTER YOU.

I SEE YOU --

203

00:18:59,920 --> 00:19:11,929

THANK YOU FOR YOUR SERVICE.

[LAUGHTER AND APPLAUSE]

204

00:19:11,929 --> 00:19:14,110

>> GREAT MESSAGE FROM

20th CENTURY FOX.

205

00:19:14,110 --> 00:19:18,110

WE'LL HAVE TO WORK ON THAT LAST

PART.

206

00:19:18,110 --> 00:19:21,070

SO CHARLIE BOLDEN DID WANT TO BE

HERE TODAY, BUT A SCHEDULING

207

00:19:21,070 --> 00:19:23,410

CONFLICT HAS KEPT HIM AWAY.

I HAVE A NOTE THAT I WANT TO

208

00:19:23,410 --> 00:19:28,520

READ SO HE'S THE PERSON WHO CAN

MAYBE START TO GET THAT DONE.

209

00:19:28,520 --> 00:19:31,540

DEAR MS. JOHNSON, I'M WRITING TO

OFFER MY PROFOUND

210

00:19:31,540 --> 00:19:34,700

CONGRATULATIONS TO YOU ON BEING

CHOSEN TO BE THE NAMESAKE FOR

211

00:19:34,700 --> 00:19:38,330
LANGLEY'S NEWEST BUILDING.
ALONG WITH MY GRATITUDE FOR THE

212
00:19:38,330 --> 00:19:44,760
TRAIL YOU HAVE BLAZED FOR NASA,
THE MATHEMATICIANS, FOR SWIM,

213
00:19:44,760 --> 00:19:48,530
FOR SPACE SCIENTISTS, FOR
AFRICAN-AMERICANS, AND FOR

214
00:19:48,530 --> 00:19:52,840
DREAMERS EVERYWHERE.
I AM TOLD YOU ONCE REMARKED THAT

215
00:19:52,840 --> 00:19:56,361
EVEN THOUGH YOU GREW UP IN THE
HEIGHT OF SEGREGATION, YOU DID

216
00:19:56,361 --> 00:19:59,590
NOT HAVE TIME TO THINK ABOUT
YOUR PLACE IN HISTORY AND THAT

217
00:19:59,590 --> 00:20:01,920
YOU NEVER HAD A FEELING OF
INFERIORITY.

218
00:20:01,920 --> 00:20:06,010
INSTEAD, YOU CONSIDERED YOURSELF
AS YOU DESCRIBED IT, AS GOOD AS

219
00:20:06,010 --> 00:20:10,510
ANYBODY ELSE BUT NO BETTER.
THE TRUTH OF THE MATTER IS THAT

220
00:20:10,510 --> 00:20:12,660
YOU ARE BETTER.
ARE YOU ONE OF THE GREATEST

221

00:20:12,660 --> 00:20:17,800
MINDS EVER TO GRACE OUR AGENCY,
OUR COUNTRY, AND BECAUSE OF YOUR

222

00:20:17,800 --> 00:20:21,560
MIND, HEART, AND SOUL, MY OWN
GRANDDAUGHTERS AND YOUNG

223

00:20:21,560 --> 00:20:25,540
AMERICANS LIKE THEM CAN PURSUE
THEIR OWN DREAMS WITHOUT A

224

00:20:25,540 --> 00:20:29,550
FEELING OF INFERIORITY.
THEREFORE, I HOPE TODAY THAT ALL

225

00:20:29,550 --> 00:20:33,710
OF US WILL TAKE A STEP BACK AND
REFLECT ON YOUR IMPACT.

226

00:20:33,710 --> 00:20:37,010
YOU HAVE ALREADY FOREVER LEFT
YOUR MARK ON THE LANGLEY

227

00:20:37,010 --> 00:20:40,780
RESEARCH CENTER AND ON NASA.
NOW THIS MARK WILL BE FORMALLY

228

00:20:40,780 --> 00:20:43,900
INSCRIBED ON LANGLEY'S CAMPUS IN
THE FORM OF THE KATHERINE G.

229

00:20:43,900 --> 00:20:47,250
JOHNSON COMPUTATIONAL RESEARCH
FACILITY.

230

00:20:47,250 --> 00:20:53,900
WITH GREAT AWE AND APPRECIATION,
CHARLIE F. BOLDEN,

231

00:20:53,900 --> 00:21:01,220

ADMINISTRATOR.

[APPLAUSE]

232

00:21:01,220 --> 00:21:03,460

JOINING US TODAY IS U.S.

CONGRESSMAN

233

00:21:03,460 --> 00:21:06,550

SCOTT RIGELL'S DISTRICT DIRECTOR

FOR THE 2nd DISTRICT.

234

00:21:06,550 --> 00:21:13,720

AND SHANNON KENDRICK HAS

SOMETHING SPECIAL FOR YOU TODAY,

235

00:21:13,720 --> 00:21:17,260

KATH.

>> THANK YOU VERY MUCH, GOOD

236

00:21:17,260 --> 00:21:20,490

AFTERNOON, EVERYONE.

IT IS AN HAPPENOR AND A -- AN

237

00:21:20,490 --> 00:21:25,140

HONOR AND PRIVILEGE TO BE HERE

BEFORE YOU TODAY ON THIS MOST

238

00:21:25,140 --> 00:21:30,700

AUSPICIOUS OCCASION.

THIS IS MY THIRD AND JUST -- IN

239

00:21:30,700 --> 00:21:34,770

ALMOST TWO MONTHS EVENT WHERE

YOU ARE RECEIVING YOUR DUE

240

00:21:34,770 --> 00:21:37,540

HONOR.

AND IT'S WONDERFUL TO PERSONALLY

241

00:21:37,540 --> 00:21:41,700

BE HERE TO WITNESS IT.
I'D HAVE TO SAY THAT I'M

242

00:21:41,700 --> 00:21:47,370

APPRECIATIVE THAT YOU CHARTED A
COURSE AND BLAZED A TRAIL FOR US

243

00:21:47,370 --> 00:21:50,320

ALL.
WE THANK YOU FOR PIONEERING A

244

00:21:50,320 --> 00:21:54,360

WAY FOR SO MANY.
BECAUSE OF YOU, THERE IS A LIMIT

245

00:21:54,360 --> 00:21:58,350

BEYOND THE SKY, AND WE CAN ALL
REACH THE STARS.

246

00:21:58,350 --> 00:22:02,480

I AM HERE TO SHARE A LETTER FROM
THE CONGRESSMAN TO ALL.

247

00:22:02,480 --> 00:22:08,350

AND IT BEGINS, DEAR GUESTS, I'M
HONORED -- I AM HONORED TO

248

00:22:08,350 --> 00:22:11,980

WELCOME YOU ALL TO THE OFFICIAL
DEDICATION OF NASA LANGLEY

249

00:22:11,980 --> 00:22:15,890

RESEARCH CENTER'S NEW KATHERINE
G. JOHNSON COMPUTATIONAL

250

00:22:15,890 --> 00:22:19,820

RESEARCH FACILITY.
THIS IS A DESERVING TRIBUTE TO

251

00:22:19,820 --> 00:22:22,440
HONOR KATHERINE'S MANY
ACCOMPLISHMENTS AND

252

00:22:22,440 --> 00:22:26,790
CONTRIBUTIONS TO OUR NATION'S
SPACE PROGRAM.

253

00:22:26,790 --> 00:22:29,770
KATHERINE BEGAN HER INCREDIBLE
CAREER HERE IN VIRGINIA'S SECOND

254

00:22:29,770 --> 00:22:33,560
CONGRESSIONAL DISTRICT AT
NATIONAL ADVISORY COMMITTEE FOR

255

00:22:33,560 --> 00:22:38,190
AERONAUTICS LANGLEY.
SHE ACCOMPLISHED SO MUCH DURING

256

00:22:38,190 --> 00:22:44,290
HER TENURE AT NACA AND LATER
NASA, INCLUDING CALCULATING THE

257

00:22:44,290 --> 00:22:49,570
FLIGHTS OF APOLLO 11 AND ALAN
SHEPHERD'S 1961 MERCURY FLIGHT.

258

00:22:49,570 --> 00:22:54,320
THE FIRST FLIGHT OF AN AMERICAN
HERO INTO SPACE.

259

00:22:54,320 --> 00:22:56,760
KATHERINE MADE TREMENDOUS
CONTRIBUTIONS TO OUR NATION'S

260

00:22:56,760 --> 00:23:00,850
SPACE PROGRAM.
IT IS RIGHT THAT NASA LANGLEY'S

261

00:23:00,850 --> 00:23:05,450
NEWEST BUILDING IS KATHERINE G.
JOHNSON COMPUTATIONAL RESEARCH

262
00:23:05,450 --> 00:23:08,530
FACILITY.
MY WIFE TERRI JOINS ME IN

263
00:23:08,530 --> 00:23:12,790
WELCOMING TO THIS EVENT.
WE ARE GRATEFUL THAT SO MANY OF

264
00:23:12,790 --> 00:23:17,340
YOU HAVE TAKEN THE OPPORTUNITY
TO ATTEND AND SHARE YOUR

265
00:23:17,340 --> 00:23:19,630
SUPPORT.
MINDFUL THAT I WORK FOR YOU, I

266
00:23:19,630 --> 00:23:22,290
REMAIN YOURS IN FREEDOM,
CONGRESSMAN SCOTT RIGELL.

267
00:23:22,290 --> 00:23:31,500
THANK YOU.
[APPLAUSE]

268
00:23:31,500 --> 00:23:35,100
>> THANK YOU, SHANNON.
OUR NEXT SPEAKER -- AND PLEASE

269
00:23:35,100 --> 00:23:36,410
THANK
CONGRESSMAN RIGELL.

270
00:23:36,410 --> 00:23:38,730
OUR NEXT SPEAKER IS THE
HONORABLE CONGRESSMAN

271

00:23:38,730 --> 00:23:42,010
BOBBY SCOTT, A LONG-TIME FRIEND
OF OUR CENTER.

272
00:23:42,010 --> 00:23:45,030
NOW IN HIS 12th TERM,
CONGRESSMAN SCOTT SERVES AS THE

273
00:23:45,030 --> 00:23:48,460
RANKING MEMBER ON THE COMMITTEE
ON EDUCATION AND THE WORKFORCE,

274
00:23:48,460 --> 00:23:51,570
WHERE HE LEADS THE FIGHT FOR
ACCESS TO QUALITY EARLY,

275
00:23:51,570 --> 00:23:55,740
SECONDARY AND HIGHER EDUCATION
FOR ALL OF AMERICA'S CHILDREN.

276
00:23:55,740 --> 00:24:02,100
PLEASE JOIN ME IN WELCOMING
CONGRESSMAN BOBBY SCOTT.

277
00:24:02,100 --> 00:24:06,020
[APPLAUSE]
>> THANK YOU FOR YOUR KIND

278
00:24:06,020 --> 00:24:08,110
INTRODUCTION.
I'M CERTAINLY HONORED TO BE HERE

279
00:24:08,110 --> 00:24:12,040
WITH THE ELECTED OFFICIALS AND
OTHER DISTINGUISHED GUESTS

280
00:24:12,040 --> 00:24:15,210
INCLUDING MY LONG-TIME FRIEND,
JIM JOHNSON.

281

00:24:15,210 --> 00:24:19,530
IT'S GOOD TO SEE YOU, JIM.
AND AS WE'RE HERE TODAY TO

282
00:24:19,530 --> 00:24:23,930
CELEBRATE THE 55th ANNIVERSARY
OF ALAN SHEPHERD BECOMING THE

283
00:24:23,930 --> 00:24:27,960
FIRST AMERICAN IN SPACE, AS WE
CELEBRATE THE ACCOMPLISHMENTS OF

284
00:24:27,960 --> 00:24:31,790
DR. JOHNSON AND DEDICATE THE
KATHERINE G. JOHNSON

285
00:24:31,790 --> 00:24:37,040
COMPUTATIONAL RESEARCH FACILITY,
SO THAT ALL OF HER

286
00:24:37,040 --> 00:24:39,440
ACCOMPLISHMENTS WILL BE
RECOGNIZED NOT ONLY BY THOSE WHO

287
00:24:39,440 --> 00:24:42,910
KNEW HER BUT BY THOSE WHEN ARE
ABLE TO TELL HER STORY, SO THAT

288
00:24:42,910 --> 00:24:46,170
WE'LL BE ABLE TO TELL HER STORY
AND INSPIRE OTHERS.

289
00:24:46,170 --> 00:24:50,290
DR. JOHNSON HAS HAD A STORIED
CAREER AT NASA, WORKING ON EVERY

290
00:24:50,290 --> 00:24:54,120
MANNED SPACEFLIGHT PROJECT FROM
MERCURY THROUGH THE APOLLO,

291

00:24:54,120 --> 00:25:01,280
THROUGH THE SPACE SHUTTLE AND
EVEN THE MANNED MISSION TO MARS.

292
00:25:01,280 --> 00:25:03,900
THOSE WHO GATHERED HERE TODAY
ARE OBVIOUSLY AWARE OF HER

293
00:25:03,900 --> 00:25:08,960
ACCOMPLISHMENTS AND AWARDS
INCLUDING THREE NASA SPECIAL

294
00:25:08,960 --> 00:25:11,640
ACHIEVEMENTS AWARDS, THE NASA
APOLLO TEAM GROUP ACHIEVEMENT

295
00:25:11,640 --> 00:25:16,030
AWARD, AND OF COURSE THE
PRESIDENTIAL MEDAL OF FREEDOM.

296
00:25:16,030 --> 00:25:20,780
WHILE SHE HAS HAD A LONG AND
ILLUSTRIOUS CAREER HERE AT NASA,

297
00:25:20,780 --> 00:25:24,360
SHE HAS ALSO HAD AN EQUALLY
IMPORTANT IMPACT ON OUR

298
00:25:24,360 --> 00:25:28,970
COMMUNITY.
WE SEE THESE A TRUSTED ELDER AT

299
00:25:28,970 --> 00:25:32,300
CARVER PRESBYTERIAN CHURCH, THE
LEADER AT THE NATIONAL

300
00:25:32,300 --> 00:25:35,990
ASSOCIATION.
AND YOU CAN SEE BY THE PINK AND

301

00:25:35,990 --> 00:25:39,400

GREEN IN THE AUDIENCE THAT SHE'S
ALSO BEEN PRESIDENT OF THE LAMDO

302

00:25:39,400 --> 00:25:43,820

OMEGA CHAPTER OF THE ALPHA
SORORITY.

303

00:25:43,820 --> 00:25:50,720

AS MANY OF YOU KNOW, OUR KEYNOTE
SPEAKER'S BOOK, "HIDDEN

304

00:25:50,720 --> 00:25:53,630

FIGURES," ON DR. JOHNSON AND
OTHER AFRICAN-AMERICAN WOMEN'S

305

00:25:53,630 --> 00:25:59,930

WORK AT NASA CHRONICLES THE
EARLY MANNED SPACEFLIGHT

306

00:25:59,930 --> 00:26:04,550

MISSIONS AND COMPUTATIONS THAT
THEY MADE TO MAKE THAT POSSIBLE.

307

00:26:04,550 --> 00:26:07,060

AND WE LOOK FORWARD TO THAT --
THAT MOVIE.

308

00:26:07,060 --> 00:26:11,200

TO BE HONEST, I ENJOY COMEDIES
AND THRILLERS JUST LIKE

309

00:26:11,200 --> 00:26:16,261

EVERYBODY ELSE, BUT FRANKLY, DR.
JOHNSON'S STORY IS ONE THAT WE

310

00:26:16,261 --> 00:26:19,380

OUGHT TO BE TELLING OUR
CHILDREN.

311

00:26:19,380 --> 00:26:22,170
SHE BROKE DOWN NUMEROUS BARRIERS
THROUGHOUT HER CAREER.

312
00:26:22,170 --> 00:26:24,810
WHILE SHE PERSONALLY DID NOT
REACH THE STARS LIKE THE

313
00:26:24,810 --> 00:26:29,340
ASTRONAUTS WHOSE TRAJECTORIES
SHE CALCULATED, HER CAREER CAME

314
00:26:29,340 --> 00:26:34,031
MIGHTY CLOSE TO THOSE STARS.
AND I'VE HEARD THAT YOU CAN

315
00:26:34,031 --> 00:26:37,820
JUDGE A SOCIETY BASED ON THOSE
THAT -- A SOCIETY BASED ON THOSE

316
00:26:37,820 --> 00:26:40,670
THAT REMEMBER.
I'M THEY'RE MAKE SURE HER

317
00:26:40,670 --> 00:26:44,120
CONTRIBUTIONS AREN'T FORGOTTEN.
BOTH NASA AND THE HAMPTON ROADS

318
00:26:44,120 --> 00:26:47,550
COMMUNITY ARE FORTUNATE TO HAVE
CALLED DR. JOHNSON ONE OF OUR

319
00:26:47,550 --> 00:26:50,290
OWN.
I'M SURE I SPEAK FOR EVERYBODY

320
00:26:50,290 --> 00:26:54,440
HERE TO SAY THAT WE'RE ALL PROUD
TODAY TO HONOR HER AND PAY

321

00:26:54,440 --> 00:26:58,780
TRIBUTES TO HER ACCOMPLISHMENTS
AND CONTRIBUTIONS TO NASA OVER

322

00:26:58,780 --> 00:27:06,270
THE YEARS.
THANK YOU, DR. JOHNSON, AND

323

00:27:06,270 --> 00:27:09,450
CONGRATULATIONS.
[APPLAUSE]

324

00:27:09,450 --> 00:27:13,340
>> THANK YOU, CONGRESSMAN SCOTT.
U.S. SENATOR TIM KAINE, A FORMER

325

00:27:13,340 --> 00:27:16,350
GOVERNOR OF VIRGINIA, COULDN'T
BE WITH US TODAY, BUT HE WANTED

326

00:27:16,350 --> 00:27:18,510
TO
SEND ALONG HIS CONGRATULATIONS

327

00:27:18,510 --> 00:27:24,330
IN THIS VIDEO MESSAGE.
>> HI, I'M SENATOR TIM KAINE.

328

00:27:24,330 --> 00:27:27,510
UNFORTUNATELY I CAN'T BE HERE IN
PERSON ON THIS SPECIAL OCCASION,

329

00:27:27,510 --> 00:27:29,930
BUT I WANT TO THANK
NASA LANGLEY RESEARCH CENTER FOR

330

00:27:29,930 --> 00:27:32,930
INVITING ME TO TAKE PART IN THIS
GREAT EVENT.

331

00:27:32,930 --> 00:27:36,230
MS. JOHNSON IS BEING RECOGNIZED
TODAY BECAUSE OF HER INVALUABLE

332
00:27:36,230 --> 00:27:39,630
CONTRIBUTIONS TO OUR NATION'S
SPACE PROGRAM DURING HER CAREER

333
00:27:39,630 --> 00:27:42,600
AS A NASA MATHEMATICIAN.
MS. JOHNSON'S WORK HELPED

334
00:27:42,600 --> 00:27:46,070
AMERICA SEND A MAN TO SPACE, AND
THEN TO THE MOON.

335
00:27:46,070 --> 00:27:48,740
THESE ADVANCES THEN PUSHED THE
BOUNDARIES OF EXPLORATION AND

336
00:27:48,740 --> 00:27:52,130
PAVED THE WAY FOR OUR CURRENT
GOAL OF REACHING MARS.

337
00:27:52,130 --> 00:27:55,800
HER 33 YEARS OF SERVICE HELPED
NASA TAKE GREAT STRIDES IN

338
00:27:55,800 --> 00:27:59,090
SCIENCE AND INNOVATION THAT HAVE
NOT BEEN FORGOTTEN IN HER

339
00:27:59,090 --> 00:28:01,120
RETIREMENT.
IN FACT, PEOPLE ARE STILL

340
00:28:01,120 --> 00:28:03,480
BUILDING UPON THE FOUNDATION
THAT HER WORK LAID.

341

00:28:03,480 --> 00:28:06,210
BUT, AS MANY HAVE SAID BEFORE
ME, INCLUDING PRESIDENT OBAMA

342
00:28:06,210 --> 00:28:10,030
DURING HIS PRESENTATION OF THE
MEDAL OF FREEDOM LAST YEAR,

343
00:28:10,030 --> 00:28:13,010
MS. JOHNSON'S IMPACTS ON OUR
NATION STRETCH WELL BEYOND HER

344
00:28:13,010 --> 00:28:15,150
STELLAR MATHEMATICAL
CALCULATIONS.

345
00:28:15,150 --> 00:28:18,340
JUST AS HER WORK CHALLENGED THE
LIMITS OF OUR REACH BEYOND

346
00:28:18,340 --> 00:28:21,730
EARTH, HER CHARACTER CHALLENGED
OUR WAY OF THINKING ABOUT WOMEN

347
00:28:21,730 --> 00:28:25,320
IN THE FIELDS OF SCIENCE,
MATHEMATICS AND ENGINEERING.

348
00:28:25,320 --> 00:28:28,020
AS A PIONEER FOR WOMEN AND
PEOPLE OF COLOR WISHING TO BREAK

349
00:28:28,020 --> 00:28:30,990
INTO NEW TECHNICAL FIELDS,
MS. JOHNSON HAS SET A PROUD

350
00:28:30,990 --> 00:28:34,220
EXAMPLE FOR PEOPLE TO FOLLOW
THEIR DREAMS, NO MATTER THE

351

00:28:34,220 --> 00:28:38,130
NORMS AND CONVENTIONS, AND TO
REACH FOR THE STARS IN THEIR OWN

352
00:28:38,130 --> 00:28:39,570
LIVES.
MS. JOHNSON MAY NOT HAVE FLOWN

353
00:28:39,570 --> 00:28:42,570
TO THE MOON HERSELF, BUT SHE IS
A LIVING EXAMPLE OF HOW TO SHOOT

354
00:28:42,570 --> 00:28:45,090
FOR THE MOON.
MS. JOHNSON, THE COMMONWEALTH IS

355
00:28:45,090 --> 00:28:48,090
PROUD TO HAVE YOUR LEGACY AT
NASA LANGLEY, AND I SEND MY BEST

356
00:28:48,090 --> 00:28:50,150
TO YOU.
CONGRATULATIONS ON THESE

357
00:28:50,150 --> 00:28:53,950
WONDERFUL AWARDS AND
DISTINCTIONS AND TO ALL WHO HAVE

358
00:28:53,950 --> 00:29:03,780
SUPPORTED YOU ALONG THE WAY.
[APPLAUSE]

359
00:29:03,780 --> 00:29:06,120
>> AND NOW FOR OUR KEYNOTE
SPEAKER.

360
00:29:06,120 --> 00:29:08,620
MARGOT SHETTERLY, WHO IS
ACCOMPANIED HERE TODAY BY HER

361

00:29:08,620 --> 00:29:16,970
PARENTS, BOB AND MARGARET LEE --
[APPLAUSE]

362
00:29:16,970 --> 00:29:19,360
>> IS NO STRANGER TO NASA
LANGLEY.

363
00:29:19,360 --> 00:29:22,160
HER FATHER WORKED AS A
RESEARCHER IN LANGLEY'S SCIENCE

364
00:29:22,160 --> 00:29:24,270
DIRECTORATE.
AFTER GROWING UP WITH A FATHER

365
00:29:24,270 --> 00:29:27,190
WHO WAS AN ATMOSPHERIC
SCIENTIST, AND A MOTHER WHO WAS

366
00:29:27,190 --> 00:29:29,990
A PROFESSOR OF ENGLISH AT
HAMPTON UNIVERSITY, PERHAPS IT

367
00:29:29,990 --> 00:29:33,260
SHOULD COME AS NO SURPRISE THAT
MARGOT BECAME SOMEBODY WHO WOULD

368
00:29:33,260 --> 00:29:38,610
WRITE ABOUT SCIENTISTS.
AND WE'RE SO GLAD THAT SHE DID.

369
00:29:38,610 --> 00:29:42,520
WE ARE VERY PLEASED THAT HER
BOOK, AND THE MOVIE BASED ON IT,

370
00:29:42,520 --> 00:29:45,840
ARE SHINING SUCH A BRIGHT LIGHT
ON THE ACCOMPLISHMENTS OF PEOPLE

371

00:29:45,840 --> 00:29:48,290
LIKE KATHERINE.
PLEASE JOIN ME IN WELCOMING

372
00:29:48,290 --> 00:29:53,580
TODAY'S KEYNOTE SPEAKER,
MARGOT SHETTERLY.

373
00:29:53,580 --> 00:29:59,620
[APPLAUSE]
>> GOOD AFTERNOON TO EVERYONE,

374
00:29:59,620 --> 00:30:02,950
ALL OF OUR DISTINGUISHED GUESTS.
IT'S SUCH AN EXCITING THING TO

375
00:30:02,950 --> 00:30:06,620
BE HERE.
KATHERINE, I AM SO PROUD AND SO

376
00:30:06,620 --> 00:30:11,930
THRILLED TO PARTICIPATE IN THIS
WONDERFUL CEREMONY TODAY.

377
00:30:11,930 --> 00:30:14,760
YOU HAVE DISTINGUISHED YOURSELF
WITH OUTSTANDING WORK IN

378
00:30:14,760 --> 00:30:18,280
MATHEMATICS AND COMPUTATION, SO
IT'S ABSOLUTELY NATURAL AND

379
00:30:18,280 --> 00:30:21,720
MAKES ALL THE SENSE IN THE WORLD
THAT BUILDING SHOULD BEAR YOUR

380
00:30:21,720 --> 00:30:26,870
NAME.
FIVE YEARS AGO, I SAT DOWN WITH

381

00:30:26,870 --> 00:30:32,020
MRS. JOHNSON FOR THE FIRST TIME
TO INTERVIEW HER ABOUT HER LIFE

382
00:30:32,020 --> 00:30:33,850
AND CAREER.
WHAT'S HAPPENED SINCE THEN HAS

383
00:30:33,850 --> 00:30:36,620
BEEN OVERWHELMING TO SAY THE
LEAST.

384
00:30:36,620 --> 00:30:41,310
HER STORY AND STORY OF WOMEN WHO
SERVED OUR COUNTRY AS

385
00:30:41,310 --> 00:30:44,280
MATHEMATICIANS HAS CAPTIVATED
AMERICA.

386
00:30:44,280 --> 00:30:48,550
THERE'S A REASON I NAMED THE
BOOK "HIDDEN FIGURES."

387
00:30:48,550 --> 00:30:52,210
THEIR STORIES UNTIL THIS POINT
HAD REALLY GONE UNRECOGNIZED AND

388
00:30:52,210 --> 00:30:55,780
UNTOLD, AND I'M VERY PROUD TO
HAVE PLAYED A ROLE IN BRINGING

389
00:30:55,780 --> 00:31:00,870
THEIR STORIES THE PUBLIC WHERE
THEY DESERVE TO BE.

390
00:31:00,870 --> 00:31:07,960
I WON'T MAKE VERY LONG REMARKS.
WE'VE HEARD A LOT OF WORDS ABOUT

391

00:31:07,960 --> 00:31:11,210

MRS. JOHNSON.

WHAT I WANTED TO DO TODAY WAS TO

392

00:31:11,210 --> 00:31:15,530

USE HER WORDS TO TALK A LITTLE
BIT ABOUT HER CAREER, HER WORK,

393

00:31:15,530 --> 00:31:18,890

AND SOME OF THE OTHER WOMEN THAT
I'VE LEARNED ABOUT THROUGH HER

394

00:31:18,890 --> 00:31:22,360

BECAUSE MOST BRILLIANT PEOPLE
HAVE RESPECT FOR OTHER BRILLIANT

395

00:31:22,360 --> 00:31:23,690

PEOPLE.

AND THAT'S ONE OF THE THINGS

396

00:31:23,690 --> 00:31:27,510

I'VE LEARNED FROM HER.

SO I AM LOOKING FORWARD TO

397

00:31:27,510 --> 00:31:30,620

SHARING MANY OF THE WORDS THAT
SHE HAS SHARED WITH ME OVER THE

398

00:31:30,620 --> 00:31:39,880

FIVE YEARS THAT I'VE GOTTEN TO
KNOW ABOUT HER AND HER STORY.

399

00:31:39,880 --> 00:31:43,450

AS YOU KNOW, SHE STARTED OUT IN
THE WEST COMPUTING FACILITIES.

400

00:31:43,450 --> 00:31:46,480

WE'VE TALKED ABOUT HERE EARLIER
TODAY, THE GUESTS HAVE

401

00:31:46,480 --> 00:31:48,530
MENTIONED.
THIS WAS A SEGREGATED FACILITY

402
00:31:48,530 --> 00:31:51,250
ORIGINALLY.
TWO WEEKS AFTER THAT, SHE WAS

403
00:31:51,250 --> 00:31:55,590
SENT TO THE FLIGHT RESEARCH
DIVISION HERE AT NASA LANGLEY.

404
00:31:55,590 --> 00:31:58,430
ANY TIME I'VE ASKED HER ABOUT
THE PEOPLE THAT SHE WORKED WITH,

405
00:31:58,430 --> 00:32:01,630
THE FIRST THING SHE SAYS IS THEY
WERE BRAINY FOLKS, AND SHE JUST

406
00:32:01,630 --> 00:32:04,190
LOVED THOSE BRAINY PEOPLE.
[LAUGHTER]

407
00:32:04,190 --> 00:32:08,500
OF COURSE, THE NAMES CHANGED
OVER TIME, AND ONE OF THE THINGS

408
00:32:08,500 --> 00:32:12,251
I THINK IT'S IMPORTANT TO
REMEMBER IS THOUGH MRS. JOHNSON

409
00:32:12,251 --> 00:32:15,800
IS KNOWN FOR HER WORK ON THE
SPACE PROGRAM, SHE SPENT FOUR

410
00:32:15,800 --> 00:32:19,370
YEARS WORKING ON AIRPLANE
SECURITY AND AIRPLANE

411

00:32:19,370 --> 00:32:22,260
REGULATIONS AND TRYING TO MAKE
AIRPLANES SAFER.

412
00:32:22,260 --> 00:32:25,750
SO THE NEXT TIME YOU GET ON AN
AIRPLANE, YOU SHOULD ALSO THINK

413
00:32:25,750 --> 00:32:29,110
OF HER AND THINK OF THE PEOPLE
HERE AT NASA LANGLEY BECAUSE THE

414
00:32:29,110 --> 00:32:34,390
AIR SAFETY THAT WE HAVE TODAY IS
DUE IN LARGE PART TO THEIR WORK,

415
00:32:34,390 --> 00:32:38,770
AS WELL.
ONE OF THE THINGS THAT PEOPLE

416
00:32:38,770 --> 00:32:42,500
ASK ME CONSTANTLY ABOUT THIS
BOOK AND ABOUT THE MOVIE IS WHY

417
00:32:42,500 --> 00:32:44,720
HAVEN'T I HEARD THE STORY
BEFORE.

418
00:32:44,720 --> 00:32:47,811
I THINK ONE OF THE REASONS WHY
WE HAVEN'T HEARD IT, IT'S

419
00:32:47,811 --> 00:32:51,680
BECAUSE OF THE MODESTY OF MRS.
JOHNSON AND THESE WOMEN WHO WERE

420
00:32:51,680 --> 00:32:54,650
JUST DOING THEIR JOB.
AND I THINK MANY OF US WHO HAVE

421

00:32:54,650 --> 00:32:58,450
HAD CONVERSATION WITH HER, WE
ASK HOW DID IT FEEL TO BE SUCH

422
00:32:58,450 --> 00:33:01,740
AN IMPORTANT PART OF HISTORY?
WHAT DID YOU DO TO DEAL WITH THE

423
00:33:01,740 --> 00:33:06,090
PRESSURE OF CALCULATING THESE
VERY IMPORTANT CALCULATIONS?

424
00:33:06,090 --> 00:33:08,300
THE ASTRONAUTS' SAFETY DEPENDED
ON IT.

425
00:33:08,300 --> 00:33:12,460
SHE MODESTLY SAYS, "I WAS JUST
DOING MY JOB."

426
00:33:12,460 --> 00:33:15,850
WHAT I WANTED TO DO TODAY WAS TO
SHOW YOU A LITTLE IT WHAT THAT

427
00:33:15,850 --> 00:33:21,560
JOB ACTUALLY ENTAILED.
SO AS YOU CAN SEE HERE, ON THE

428
00:33:21,560 --> 00:33:25,250
LEFT, SEPTEMBER, 1960, THIS IS
THE RESEARCH REPORT THAT

429
00:33:25,250 --> 00:33:29,970
DETAILED THE ORBITAL EQUATIONS
THAT THE GROUP THAT SHE WAS IN,

430
00:33:29,970 --> 00:33:34,520
THE AEROSPACE MECHANICS GROUP,
USED TO PUT A MAN INTO ORBIT.

431

00:33:34,520 --> 00:33:36,940
AND YOU CAN SEE SOME OF THE
PAGES THERE FROM THE

432

00:33:36,940 --> 00:33:43,940
PRESENTATION.
NOW, IMAGINE, IF YOU CAN SEE

433

00:33:43,940 --> 00:33:49,540
THESE EIGHT PAGES, IMAGINE
SOMETHING THAT IS 150 PAGES OF

434

00:33:49,540 --> 00:33:54,880
THAT, AND YOU HAVE TO CHECK IT
USING THIS MACHINE ON THE LEFT.

435

00:33:54,880 --> 00:33:58,630
THIS IS THE WORK THAT SHE WAS
ASKED TO DO IN THE COUNTDOWN TO

436

00:33:58,630 --> 00:34:02,730
THE FLIGHT IN WHICH JOHN GLENN
TOOK A HUGE STEP AND WAS THE

437

00:34:02,730 --> 00:34:05,890
FIRST AMERICAN TO ORBIT THE
EARTH.

438

00:34:05,890 --> 00:34:09,329
THAT'S PRESSURE.
BUT MRS. JOHNSON STOOD UP TO

439

00:34:09,329 --> 00:34:11,430
THAT PRESSURE.
HER NUMBERS WERE RIGHT, AND THEY

440

00:34:11,430 --> 00:34:14,540
USED HER NUMBERS TO HELP
CALIBRATE AND CHECK THE

441

00:34:14,540 --> 00:34:17,980
COMPUTERS WHICH WERE NEW AT THAT
TIME.

442
00:34:17,980 --> 00:34:21,419
AN ELECTRONIC COMPUTER, YOU
CAN'T LOOK IN THE EYE.

443
00:34:21,419 --> 00:34:24,579
A HUMAN COMPUTER, YOU CAN.
YOU CAN ASK QUESTIONS.

444
00:34:24,579 --> 00:34:27,649
THAT'S ONE OF THE REASONS WHY
THEY ASKED THIS BRILLIANT WOMAN

445
00:34:27,649 --> 00:34:31,399
TO MAKE SURE THAT EVERYTHING WAS
IN ORDER BEFORE JOHN GLENN TOOK

446
00:34:31,399 --> 00:34:38,240
OFF FOR THE HEAVENS.
IT WASN'T VERY LONG INTO MY

447
00:34:38,240 --> 00:34:41,960
CONVERSATIONS WITH MRS. JOHNSON
BEFORE I HEARD THE NAME DOROTHY

448
00:34:41,960 --> 00:34:45,940
LAW -- DOROTHY VAUGHN.
I HEARD IT OVER AND OVER AGAIN.

449
00:34:45,940 --> 00:34:49,089
I ASKED HER, WHO'S DOROTHY
VAUGHN.

450
00:34:49,089 --> 00:34:52,429
SHE SAID, DOROTHY VAUGHN WAS MY
ORIGINAL SUPERVISOR.

451

00:34:52,429 --> 00:34:56,819

WHEN SHE WAS SENT ORIGINALLY TO
THE WEST COMPUTING AUDIENCE, IT

452

00:34:56,819 --> 00:34:59,910

WAS JUST TWO WEEKS, BUT SHE
WORKED FOR MRS. DOROTHY VAUGHN.

453

00:34:59,910 --> 00:35:04,270

NO DOROTHY VAUGHN CAME HERE TO
HAMPTON ROADS DURING WORLD WAR

454

00:35:04,270 --> 00:35:06,849

II.
SHE WAS A MATH TEACHER AT ROBERT

455

00:35:06,849 --> 00:35:12,519

MOTON HIGH SCHOOL WHICH GAINED A
MEASURE OF FAME ALSO IN ITS ROLE

456

00:35:12,519 --> 00:35:17,920

LEADING UP TO THE BROWN VS.
BOARD OF EDUCATION DECISION.

457

00:35:17,920 --> 00:35:21,749

MRS. VAUGHN WAS THE HEAD OF THE
GROUP CALLED THE WEST COAST

458

00:35:21,749 --> 00:35:24,230

COMPUTERS.
MRS. JOHNSON HAS TOLD ME MANY

459

00:35:24,230 --> 00:35:28,560

TIMES ABOUT THE RESPECT THAT SHE
HAD FOR MRS. VAUGHN AND FOR HER

460

00:35:28,560 --> 00:35:30,710

TALENT.
WHAT SHE SAID OVER AND OVER IS,

461

00:35:30,710 --> 00:35:36,240
DOT VAUGHN OF THE SMARTEST OF
ALL THE GIRLS.

462
00:35:36,240 --> 00:35:40,819
SO HERE'S AN EXAMPLE HERE OF
MRS. VAUGHN'S WORK.

463
00:35:40,819 --> 00:35:45,250
AS A SUPERVISOR -- AND SHE WAS
PROMOTED IN 1951 TO THE HEAD OF

464
00:35:45,250 --> 00:35:49,759
THE WEST AREA COMPUTING GROUP.
PER MY RESEARCH, I BELIEVE THAT

465
00:35:49,759 --> 00:35:53,549
MAKES HER THE FIRST
AFRICAN-AMERICAN SUPERVISOR IN

466
00:35:53,549 --> 00:35:56,430
THE HISTORY OF NASA.
NOW, THIS IS IN 1951.

467
00:35:56,430 --> 00:36:01,020
I THINK IT'S VERY IMPRESSIVE.
HERE'S AN EXAMPLE OF MRS.

468
00:36:01,020 --> 00:36:04,640
VAUGHN'S WORK.
SHE WAS DRAFTED TO HELP CONSULT

469
00:36:04,640 --> 00:36:08,890
ON A HANDBOOK USING AL BRAYIC
METHODS ON THE FRIEDEN -- USING

470
00:36:08,890 --> 00:36:13,240
ALGEBRAIC METHODS ON THE FRIEDEN
AND ALGORITHM MACHINES.

471

00:36:13,240 --> 00:36:18,769
PRETTY IMPORTANT WHEN YOU
CONSIDER THAT THEY FORM ALL THE

472
00:36:18,769 --> 00:36:21,030
RESEARCH AND LATER SPACE
RESEARCH THAT WAS DONE HERE AT

473
00:36:21,030 --> 00:36:28,530
FACILITY.
BEFORE DOROTHY VAUGHN TOOK THE

474
00:36:28,530 --> 00:36:33,190
HELM AT THE WEST COMPUTERS, A
WOMAN NAMED MARJORIE HANNAH WAS

475
00:36:33,190 --> 00:36:36,240
THE HEAD OF THE GROUP.
NOW, MARJORIE WAS IN THE EAST

476
00:36:36,240 --> 00:36:39,599
COMPUTING GROUP, AND THIS WAS
THE GROUP OF THE WHITE WOMEN AT

477
00:36:39,599 --> 00:36:42,170
THE CENTER.
SHE WAS APPOINTED TO HEAD THIS

478
00:36:42,170 --> 00:36:45,980
GROUP.
MARJORIE WAS SOMEBODY WHO TOOK

479
00:36:45,980 --> 00:36:49,990
THIS ASSIGNMENT VERY SERIOUSLY.
SHE TREATED THE WOMEN IN HER

480
00:36:49,990 --> 00:36:52,740
GROUP AS EQUALS.
AND THIS IS SOMETHING THAT WE

481

00:36:52,740 --> 00:36:56,420
TAKE FOR GRANTED NOW.
SHE ACTUALLY SOCIALIZED WITH THE

482
00:36:56,420 --> 00:36:59,839
WOMEN IN HER GRUMP -- HER GROUP.
SHE INVITED THEM TO HER HOME.

483
00:36:59,839 --> 00:37:04,880
THERE WAS -- THIS WAS A BIG DEAL
IN THOSE DAYS.

484
00:37:04,880 --> 00:37:11,210
SHE WAS ALSO A VERY GOOD
MATHEMATICIAN.

485
00:37:11,210 --> 00:37:15,819
IN 1948 SHE CO-AUTHORED A REPORT
WITH SAM CTASOFF.

486
00:37:15,819 --> 00:37:20,490
I'M SURE PEOPLE REMEMBER HIS
NAME.

487
00:37:20,490 --> 00:37:24,930
HE WENT ON TO BECOME THE CHIEF
SCIENTIST AT NASA LANGLEY.

488
00:37:24,930 --> 00:37:29,869
IN 1948, MARJORIE HANNAH WAS
MOVED TO THE FULL SCALE, AND SHE

489
00:37:29,869 --> 00:37:34,050
AND SAM KATSOFF CO-AUTHORED A
REPORT.

490
00:37:34,050 --> 00:37:37,460
SHE WENT ON TO CO-AUTHOR ANOTHER
REPORT.

491

00:37:37,460 --> 00:37:40,920
SHE WAS MOVED OVER TO MRS.
JOHNSON'S DIVISION AND

492
00:37:40,920 --> 00:37:43,960
CO-AUTHORED ANOTHER REPORT WITH
AN ENGINEER ON SOMETHING CALLED

493
00:37:43,960 --> 00:37:46,760
THE GRAND TOUR OF THE OUTER
PLANETS.

494
00:37:46,760 --> 00:37:50,579
THIS OF THE IDEA THAT A
SPACESHIP WOULD LEAVE THE EARTH

495
00:37:50,579 --> 00:37:55,130
AND HOP FROM MARS TO SAT
ATTORNEY JUPITER USING THE

496
00:37:55,130 --> 00:38:00,430
GRAVITY OF EACH PLANET TO
SLINGSHOT IT TO ANOTHER PLANET.

497
00:38:00,430 --> 00:38:02,500
SHE RECEIVED AN AWARD FOR THIS
IN 1970.

498
00:38:02,500 --> 00:38:05,721
WHEN I MENTIONED HER NAME TO
MRS. JOHNSON, SHE SAID THAT SHE

499
00:38:05,721 --> 00:38:08,450
THOUGHT MARJORIE HANNAH WAS
SOMEBODY WHO HADN'T RECEIVED THE

500
00:38:08,450 --> 00:38:12,150
CREDIT THAT SHE DESERVED.
SO WHAT I WANTED TO DO TODAY WAS

501

00:38:12,150 --> 00:38:15,630
TO MENTION HER NAME TO YOU SO
THAT YOU GUYS KNOW WHAT WORK SHE

502
00:38:15,630 --> 00:38:21,420
DID.
NOW HERE'S SOMEBODY WHOSE NAME

503
00:38:21,420 --> 00:38:23,589
AND FACE I THINK IS VERY
FAMILIAR TO US --

504
00:38:23,589 --> 00:38:30,049
[APPLAUSE]
DR. CHRISTINE DARDEN.

505
00:38:30,049 --> 00:38:31,660
SHE WASN'T ABLE TO BE HERE
TODAY.

506
00:38:31,660 --> 00:38:35,180
SHE'S IN COLORADO VISITING HER
GRANDCHILDREN.

507
00:38:35,180 --> 00:38:38,630
SHE STARTED OUT IN 1967 AT THE
CENTER.

508
00:38:38,630 --> 00:38:42,210
THIS WAS AT THE VERY END OF THE
COMPUTING POOL.

509
00:38:42,210 --> 00:38:46,070
AND DR. DARDEN STARTED WHAT WAS
CALLED AT THE TIME A DATA

510
00:38:46,070 --> 00:38:50,359
ANALYST, WHICH IS SORT OF THE
NAME FOR THE WORK THAT THE WOMEN

511

00:38:50,359 --> 00:38:51,451

DID.

IT CHANGED OVER TIME.

512

00:38:51,451 --> 00:38:55,290

IT WAS COMPUTERS, SOMETIMES IT
WAS MATHEMATICIAN, MATH AIDES,

513

00:38:55,290 --> 00:38:58,140

THERE WERE DIFFERENT WORDS AND
DIFFERENT NAMES FOR THAT WORK

514

00:38:58,140 --> 00:39:00,930

OVER TIME.

BUT WHAT DR. DARDEN REALLY

515

00:39:00,930 --> 00:39:04,369

WANTED TO DO WAS TO BE AN
ENGINEER, AND TO DO HER OWN

516

00:39:04,369 --> 00:39:06,520

RESEARCH.

SO AFTER A COUPLE OF YEARS IN

517

00:39:06,520 --> 00:39:10,710

THE COMPUTING POOL, SHE WENT TO
HER DIVISION CHIEF.

518

00:39:10,710 --> 00:39:15,200

AND I THINK THOSE OF YOU WHO ARE
HERE AT NASA AND WHO UNDERSTAND

519

00:39:15,200 --> 00:39:19,480

THE HIERARCHY CAN JUST IMAGINE
THE IDEA OF SOMEBODY WHO'S A DATA

520

00:39:19,480 --> 00:39:23,060

ANALYST WHO'S BEEN HERE FOR FOUR
YEARS GOING TO THE DIVISION

521

00:39:23,060 --> 00:39:26,059
CHIEF, A PRETTY IMPORTANT
PERSON.

522
00:39:26,059 --> 00:39:30,519
WHAT SHE SAID WAS, I DON'T
UNDERSTAND WHY IS IT THAT WOMEN

523
00:39:30,519 --> 00:39:34,260
WHO COME IN HERE ARE HIRED AS
DATA ANALYSTS, WHEREAS MEN ARE

524
00:39:34,260 --> 00:39:37,210
HIRED AS ENGINEER.
WHAT I WANT TO DO IS I WANT TO

525
00:39:37,210 --> 00:39:39,829
DO MY OWN RESEARCH.
I WANT THE SAME PRIVILEGES THAT

526
00:39:39,829 --> 00:39:42,930
THE MEN HAVE.
YOU AND WHY IS THIS?

527
00:39:42,930 --> 00:39:45,920
SO THE DIVISION CHIEF DIDN'T
REALLY HAVE A GOOD ANSWER TO

528
00:39:45,920 --> 00:39:48,920
THAT.
BUT TWO WEEKS LATER, HE MADE THE

529
00:39:48,920 --> 00:39:52,859
TRANSFER, AND DR. DARDEN WAS
ABLE TO CONTINUE HER OWN

530
00:39:52,859 --> 00:39:57,490
RESEARCH, START HER OWN
RESEARCH.

531

00:39:57,490 --> 00:40:01,799
AND ON THE LEFT, YOU'LL SEE THE
COVER FROM HER PIONEERING REPORT

532

00:40:01,799 --> 00:40:07,319
IN 1975.

AND SO WHAT SHE DID, AND THIS

533

00:40:07,319 --> 00:40:11,650
WAS A TIME WHEN COMPUTERS REALLY
WERE COMING INTO USE HERE AND

534

00:40:11,650 --> 00:40:15,440
NOT JUST SPACE BUT ALSO IN
AERONAUTICAL RESEARCH.

535

00:40:15,440 --> 00:40:20,619
SHE MODELED THE SONIC BOOM.
THE CRACK THAT WE HEAR LIKE

536

00:40:20,619 --> 00:40:26,270
THUNDER CLAPS WHEN A VEHICLE
SUPERSEDES THE SPEED OF SOUND.

537

00:40:26,270 --> 00:40:32,999
HER MODEL IS STILL THE BASIS FOR
INDUSTRY STANDARD SONIC BOOM

538

00:40:32,999 --> 00:40:36,880
SOFTWARE THAT'S STILL USED IN
THE INDUSTRY TODAY.

539

00:40:36,880 --> 00:40:40,460
AND SHE IS SOMEBODY WHEN --
THERE ARE MANY TIMES WHEN I TALK

540

00:40:40,460 --> 00:40:43,040
TO MRS. JOHNSON AND I WOULD ASK
ABOUT HER WORK.

541

00:40:43,040 --> 00:40:48,029
SHE WOULD SAY, NO, I WANT TO
TALK ABOUT CHRISTINE DARDEN.

542
00:40:48,029 --> 00:40:51,349
SHE SAID TO ME -- AND YOU KNOW
THAT MRS. DARDEN GOES INTO

543
00:40:51,349 --> 00:40:56,180
SCHOOLS.
SHE'S EXTREMELY ENERGETIC ABOUT

544
00:40:56,180 --> 00:40:58,989
GETTING STUDENTS INTERESTED IN
S.T.E.M. CAREERS.

545
00:40:58,989 --> 00:41:02,960
SHE SAID, I MENTION CHRISTINE
DARDEN EVERY CHANCE I GET

546
00:41:02,960 --> 00:41:07,819
BECAUSE SHE IS A MODEL OF HOW
FAR MATHEMATICAL TALENT CAN TAKE

547
00:41:07,819 --> 00:41:14,489
YOU.
NOW IF ALL THE WORDS THAT I'VE

548
00:41:14,489 --> 00:41:17,710
HEARD MRS. JOHNSON SAY, AND AT
THIS POINT THERE ARE MANY, AND

549
00:41:17,710 --> 00:41:20,839
THERE HAVE SO MANY INTERESTING
THINGS I'VE LEARNED FROM B HER

550
00:41:20,839 --> 00:41:25,199
AND FROM HER, I THINK THE ONE
THAT STAYS WITH ME MOST IS THIS

551

00:41:25,199 --> 00:41:28,410
-- AND WE'VE HEARD IT MENTIONED
HERE A LITTLE BIT EARLIER.

552
00:41:28,410 --> 00:41:31,960
YOU ARE NO BETTER THAN ANYONE
ELSE, AND NO ONE IS BETTER THAN

553
00:41:31,960 --> 00:41:34,910
YOU.
I THINK IT'S TEMPTING FOR US TO

554
00:41:34,910 --> 00:41:38,960
FOCUS ON THE PART OF NO ONE IS
BETTER THAN YOU.

555
00:41:38,960 --> 00:41:43,720
I THINK THE REAL SUBTLETY AND
THE MEAT AND POWER OF THE

556
00:41:43,720 --> 00:41:48,150
STATEMENT IS THE PART THAT SAYS,
YOU ARE NO BETTER THAN ANYONE

557
00:41:48,150 --> 00:41:50,440
ELSE.
AND REALLY, THIS IS ONE OF THE

558
00:41:50,440 --> 00:41:54,470
REASONS WHY MRS. JOHNSON'S STORY
HAS CAPTIVATED US.

559
00:41:54,470 --> 00:41:58,510
SHE HAS SUCH A TOWERING TALENT,
BUT SHE'S GONE OUT OF HER WAY TO

560
00:41:58,510 --> 00:42:01,990
RECOGNIZE TALENT IN OTHER
PEOPLE, REGARDLESS OF THEIR

561

00:42:01,990 --> 00:42:05,529
GENDER, OF THEIR RACE, OF THEIR
BACKGROUND.

562
00:42:05,529 --> 00:42:08,240
IF YOU'RE A SMART PERSON, THEN,
YOU KNOW, SHE WANTS TO HAVE A

563
00:42:08,240 --> 00:42:12,380
CONVERSATION WITH YOU.
AND SHE SEES YOU AS AN EQUAL.

564
00:42:12,380 --> 00:42:15,910
THAT IS SOMETHING, A GREAT
LESSON THAT I HAVE LEARNED.

565
00:42:15,910 --> 00:42:18,549
KATHERINE, THANK YOU VERY MUCH
FOR EVERYTHING THAT YOU'VE GIVEN

566
00:42:18,549 --> 00:42:22,281
US, FOR WHAT YOU'VE GIVEN ME.
THANK YOU FOR YOUR CAREER, FOR

567
00:42:22,281 --> 00:42:26,589
SHINING ON THE TALENTS OF OTHER
PEOPLE, AND CONGRATULATIONS FOR

568
00:42:26,589 --> 00:42:39,880
THIS WELL-DESERVED HONOR.
[APPLAUSE]

569
00:42:39,880 --> 00:42:44,230
>> THANK YOU, MARGOT.
>> GYM I'M GOING TO GO OFF

570
00:42:44,230 --> 00:42:49,420
SCRIPT HERE A LITTLE BIT.
YOU'VE HEARD US MENTION ALAN

571

00:42:49,420 --> 00:42:51,500
SHEPHERD'S FLIGHT AND JOHN
GLENN'S FLIGHT.

572
00:42:51,500 --> 00:42:53,829
YOU'VE HEARD US MENTION IT
SEVERAL TIMES.

573
00:42:53,829 --> 00:42:56,420
THAT'S NOT BECAUSE WE DIDN'T
HAVE ENOUGH MATERIAL TO ADD,

574
00:42:56,420 --> 00:42:58,730
THAT'S BECAUSE OF HOW IMPRESSED
WE ARE.

575
00:42:58,730 --> 00:43:01,999
THOSE OF US THAT DO THIS AND
HAVE THOSE 40,000-FOOT

576
00:43:01,999 --> 00:43:05,591
FACILITIES WITH LARGE COMPUTERS
AND COMPUTATIONAL TOOLS, WE ARE

577
00:43:05,591 --> 00:43:09,030
COMPLETELY BLOWN AWAY AND AWED
BY WHAT DO YOU AND YOUR

578
00:43:09,030 --> 00:43:11,000
COLLEAGUES DID.
WE'D LIKE TO THANK YOU AGAIN FOR

579
00:43:11,000 --> 00:43:18,079
THAT.
[APPLAUSE]

580
00:43:18,079 --> 00:43:22,510
AT THIS TIME, I'D LIKE TO CALL
FORWARD MEL FEREBEE, AND THE

581

00:43:22,510 --> 00:43:24,880
DIRECTOR OF OUR CENTER
OPERATIONS DIRECTORATE,

582
00:43:24,880 --> 00:43:28,009
LORETTA KELEMEN, FOR THE
OFFICIAL UNVEILING OF THE PLAQUE

583
00:43:28,009 --> 00:43:31,170
THAT COMMEMORATES THE NAMING OF
THE KATHERINE G. JOHNSON

584
00:43:31,170 --> 00:43:41,859
COMPUTATIONAL RESEARCH FACILITY.
KINDERGARTEN RAIN, I'LL READ THE

585
00:43:41,859 --> 00:43:45,769
CITATION FROM THE PLAQUE,
KATHERINE JOHNSON WAS HIRED AS A

586
00:43:45,769 --> 00:43:48,279
RESEARCH MATHEMATICIAN AT
LANGLEY RESEARCH CENTER WHEN IT

587
00:43:48,279 --> 00:43:50,999
WAS A LABORATORY OF THE NATIONAL
ADVISORY COMMITTEE FOR

588
00:43:50,999 --> 00:43:54,599
AERONAUTICS, THE AGENCY THAT
PRECEDED NASA.

589
00:43:54,599 --> 00:43:58,170
HER INCOMPARABLE MATHEMATICAL
SKILLS INFLUENCED EVERY MAJOR

590
00:43:58,170 --> 00:44:02,539
SPACE PROGRAM FROM MERCURY
THROUGH SPACE SHUTTLE.

591

00:44:02,539 --> 00:44:04,910
SHE IS KNOWN ESPECIALLY FOR THE
CALCULATIONS OF THE

592

00:44:04,910 --> 00:44:08,200
1961 TRAJECTORY FOR
ALAN SHEPARD'S MERCURY

593

00:44:08,200 --> 00:44:12,140
SPACECRAFT FLIGHT, FIRST
AMERICAN IN SPACE, THE

594

00:44:12,140 --> 00:44:16,839
VERIFICATION OF JOHN GLENN'S
1962 MERCURY SPACECRAFT FLIGHT,

595

00:44:16,839 --> 00:44:20,760
THE FIRST FLIGHT CALCULATION
MADE BY AN ELECTRONIC COMPUTER,

596

00:44:20,760 --> 00:44:24,670
AND THE 1969 APOLLO 11 FLIGHT TO
THE MOON.

597

00:44:24,670 --> 00:44:28,600
DURING A CEREMONY AT THE WHITE
HOUSE IN 2015, PRESIDENT

598

00:44:28,600 --> 00:44:32,970
BARACK OBAMA PERSONALLY AWARDED
HER THE PRESIDENTIAL MEDAL OF

599

00:44:32,970 --> 00:44:36,150
FREEDOM, OUR NATION'S HIGHEST
CIVILIAN HONOR.

600

00:44:36,150 --> 00:44:39,589
KATHERINE, ON BEHALF OF NASA
ADMINISTRATOR CHARLIE BOLDEN,

601

00:44:39,589 --> 00:44:43,489
ALL OF THE EMPLOYEES HERE AT
NASA LANGLEY, AND ALL NASA

602
00:44:43,489 --> 00:44:47,790
EMPLOYEES PAST, PRESENT AND
FUTURE, I WOULD LIKE TO PRESENT

603
00:44:47,790 --> 00:45:16,609
YOU WITH THIS REPLICA OF THE
PLAQUE.

604
00:45:16,609 --> 00:46:12,259
[APPLAUSE]
KATHERINE, THIS PLAQUE WILL BE

605
00:46:12,259 --> 00:46:15,369
PERMANENTLY MOUNTED IN THE
BUILDING'S LOBBY AS A REMINDER

606
00:46:15,369 --> 00:46:16,779
OF ALL YOUR AMAZING
CONTRIBUTIONS.

607
00:46:16,779 --> 00:46:47,900
LADIES AND GENTLEMEN, BEFORE WE
#NAME?

608
00:46:47,900 --> 00:46:51,749
>> THANK YOU.
ON BEHALF OF THE BOARD OF

609
00:46:51,749 --> 00:46:57,789
DIRECTORS LED BY DR. DOROTHY
BUCHANAN WILSON AND THE 300,000

610
00:46:57,789 --> 00:47:01,839
LADY OF ALPHA KAPPA ALPHA
SORORITY, INC., IT IS MY HONOR

611

00:47:01,839 --> 00:47:36,650
TO PRESENT THESE ROSES TO OUR
SORORITY MEMBER, DR. KATHERINE

612
00:47:36,650 --> 00:47:57,969
JOHNSON.
[APPLAUSE]

613
00:47:57,969 --> 00:47:58,989
>> LADIES AND GENTLEMEN, BEFORE
WE

614
00:47:58,989 --> 00:48:02,200
CONCLUDE TODAY'S CEREMONY THERE
IS ONE LAST PIECE OF OFFICIAL

615
00:48:02,200 --> 00:48:04,829
BUSINESS WE HAVE TO TAKE CARE
OF.

616
00:48:04,829 --> 00:48:07,950
KATHERINE PLAYED A PIVOTAL ROLE
IN THE SUCCESS OF OUR NATION'S

617
00:48:07,950 --> 00:48:11,910
HUMAN SPACEFLIGHT PROGRAM.
SOME OF THE KEY HUMANS INVOLVED

618
00:48:11,910 --> 00:48:15,299
IN THAT PROGRAM ARE THE
ASTRONAUTS THEMSELVES.

619
00:48:15,299 --> 00:48:19,880
PERHAPS MORE SO THAN ANYONE ELSE
IT'S OUR NASA ASTRONAUTS WHO

620
00:48:19,880 --> 00:48:23,089
HAVE AN IMMENSE APPRECIATION FOR
WHAT IT TAKES TO GET THEM INTO

621

00:48:23,089 --> 00:48:28,590
SPACE AND SAFELY HOME AGAIN,
WHICH MIGHT BE WHY THE NASA

622

00:48:28,590 --> 00:48:31,849
ASTRONAUT CORPS CREATED A
SPECIAL AWARD TO RECOGNIZE THOSE

623

00:48:31,849 --> 00:48:35,130
WHO HELP THEM DO THE AMAZING
THINGS THAT THEY DO -- THE SPACE

624

00:48:35,130 --> 00:48:38,300
FLIGHT AWARENESS SILVER SNOOPY
AWARD.

625

00:48:38,300 --> 00:48:42,109
AT THIS TIME I'D LIKE TO
INTRODUCE RETIRED ASTRONAUT AND

626

00:48:42,109 --> 00:48:45,410
FORMER NASA LANGLEY ENGINEER
LELAND MELVIN.

627

00:48:45,410 --> 00:48:50,380
LELAND BEGAN WORKING HERE IN
1989 AND IN 1998 HE WAS SELECTED

628

00:48:50,380 --> 00:48:55,569
INTO NASA'S ASTRONAUT CORPS AND
WENT ON TO TWO SPACE FLIGHTS,

629

00:48:55,569 --> 00:49:01,979
STS-122 IN 2008, AND STS-129 IN
2009, LOGGING MORE THAN

630

00:49:01,979 --> 00:49:07,579
565 HOURS IN SPACE.
IN OCTOBER 2010, LELAND WAS

631

00:49:07,579 --> 00:49:11,730
NAMED ASSOCIATE ADMINISTRATOR
FOR NASA'S OFFICE OF EDUCATION.

632
00:49:11,730 --> 00:49:15,069
HE RETIRED FROM NASA IN
FEBRUARY 2014.

633
00:49:15,069 --> 00:49:24,349
PLEASE JOIN ME IN WELCOMING
LELAND TO THE STAGE.

634
00:49:24,349 --> 00:49:27,750
[APPLAUSE]
>> GOOD AFTERNOON, EVERYONE.

635
00:49:27,750 --> 00:49:31,099
THIS IS A VERY, VERY BEAUTIFUL
DAY.

636
00:49:31,099 --> 00:49:33,989
HEY, KATHERINE.
[LAUGHTER]

637
00:49:33,989 --> 00:49:37,270
I'M SO HONORED TO BE HERE WITH
FRIENDS AND FAMILY AND

638
00:49:37,270 --> 00:49:40,849
COMMUNITY.
THIS NASA LANGLEY WAS MY FIRST

639
00:49:40,849 --> 00:49:45,549
JOB OUT OF GRADUATE SCHOOL.
AND ONE OF THE PEOPLE THAT HAD

640
00:49:45,549 --> 00:49:50,039
RETIRED -- SHE RETIRED IN 1986.
I CAME ON IN 1989.

641

00:49:50,039 --> 00:49:53,289
IT WASN'T LIKE SHE WAS RETIRED
BECAUSE I SAW HER ALL THE TIME

642
00:49:53,289 --> 00:49:59,019
AT MTA CONVENTIONS AND DOING
MATH CONTESTS, INSPIRING YOUNG

643
00:49:59,019 --> 00:50:03,049
GIRLS AND YOUNG BOYS TO BE GREAT
MATHEMATICIANS AND S.A.T.

644
00:50:03,049 --> 00:50:05,220
TUTORIALS AND ALL OF THESE
THINGS.

645
00:50:05,220 --> 00:50:11,229
SO SHE HELPED MOLD MY CAREER AND
MENTORED ME AT A VERY YOUNG AGE

646
00:50:11,229 --> 00:50:13,150
AS A PROFESSIONAL HERE AT NASA
LANGLEY.

647
00:50:13,150 --> 00:50:17,489
SO I'M JUST VERY HONORED AND
PROUD TO HAVE ON NATIONAL

648
00:50:17,489 --> 00:50:22,309
ASTRONAUT DAY BEING THE
RECIPIENT OF THE WORK THAT SHE

649
00:50:22,309 --> 00:50:26,039
DID TO GET ME TO SPACE SAFELY.
AND I SAY THAT KATHERINE HAS

650
00:50:26,039 --> 00:50:31,549
BEEN -- I CALL THIS A SHERO OF
MINE, FOR A VERY LONG TIME.

651

00:50:31,549 --> 00:50:35,819
AND HER DEDICATION, HER
EXCELLENT TO PROFESSIONALISM AND

652
00:50:35,819 --> 00:50:40,569
SOCIAL BARRIERS THAT SHE BROKE,
AND FOR HER ONGOING COMMITMENT

653
00:50:40,569 --> 00:50:45,630
TO INSPIRING THE FUTURE
EXPLORERS LIKE MYSELF.

654
00:50:45,630 --> 00:50:50,329
ASTRONAUT JEANNETTE EPPS WILL BE
THE FIRST AFRICAN-AMERICAN

655
00:50:50,329 --> 00:50:55,099
FEMALE TO FLY FROM KAZAKHSTAN TO
THE INTERNATIONAL SPACE STATION

656
00:50:55,099 --> 00:50:58,529
FOR A SIX-MONTH TOUR.
SO THE LEGALLY THAT KATHERINE

657
00:50:58,529 --> 00:51:02,710
JOHNSON HAS GIVEN US WILL HELP
THE FIRST AFRICAN-AMERICAN WOMAN

658
00:51:02,710 --> 00:51:08,619
BE ON THE INTERNATIONAL SPACE
STATION IN A FEW YEARS.

659
00:51:08,619 --> 00:51:14,769
AND THAT'S A TESTAMENT TO HER
WORK.

660
00:51:14,769 --> 00:51:16,099
[APPLAUSE]
AS CLAYTON TURNER MENTIONED, THE

661

00:51:16,099 --> 00:51:19,210
SILVER SNOOPY IS A SPECIAL NASA
AWARD GIVEN FOR PROFESSIONAL

662
00:51:19,210 --> 00:51:22,470
EXCELLENCE IN VITAL
CONTRIBUTIONS TO THE HUMAN

663
00:51:22,470 --> 00:51:26,779
SPACEFLIGHT PROGRAM.
IT IS ALWAYS GIVEN BY A MEMBER

664
00:51:26,779 --> 00:51:30,319
OF THE ASTRONAUT CORPS.
BY THE WAY, WE HAVE ANOTHER

665
00:51:30,319 --> 00:51:33,910
MEMBER POSSIBLY IN THE AUDIENCE
IN NASA LANGLEY, DR. CHARLIE

666
00:51:33,910 --> 00:51:36,819
KAMATA.
IS CHARLIE HERE?

667
00:51:36,819 --> 00:51:39,890
YEAH, ONE MORE TIME.
HE WAS SUPPOSED TO BE HERE, BUT

668
00:51:39,890 --> 00:51:42,680
HE WASN'T ON TIME.
CHARLIE GOT INTO THE ASTRONAUT

669
00:51:42,680 --> 00:51:46,190
CORPS AND THEN INSPIRED ME TO
JOIN SOON AFTER THAT.

670
00:51:46,190 --> 00:51:49,819
I WANTED TO GIVE PROPS TO HIM.
ANOTHER LANGLEY GUY.

671

00:51:49,819 --> 00:51:55,039
THOSE OF US COMPRISING NASA
FLIGHT CREWS, ESPECIALLY THE

672

00:51:55,039 --> 00:52:01,170
EARLY HEROES OF SPACEFLIGHT,
SHEPHERD, GLENN, CRUZ OF APOLLO

673

00:52:01,170 --> 00:52:06,450
11, AND THE MAIDEN VOYAGE OF
SPACE SHUTTLE COLUMBIA,

674

00:52:06,450 --> 00:52:10,089
RECOGNIZE THAT THE SUCCESS OF
EACH MISSION IS MEASURED BY THE

675

00:52:10,089 --> 00:52:14,670
DEDICATION TO EXCELLENCE AND
TEAMWORK OF SUCH PEOPLE LIKE

676

00:52:14,670 --> 00:52:17,880
KATHERINE.
HER EFFORTS DEMONSTRATED THAT

677

00:52:17,880 --> 00:52:22,549
SHE WAS A VITAL LINK IN THE
SUCCESS OF OUR SPACE PROGRAMS.

678

00:52:22,549 --> 00:52:25,420
AND WE THANK YOU FOR MANY
CONTRIBUTIONS.

679

00:52:25,420 --> 00:52:27,920
KATHERINE PLAYED A KEY ROLE IN
THIS EFFORT SINCE THE EARLIEST

680

00:52:27,920 --> 00:52:31,440
DAYS OF ASTRONAUT TRAVEL UNTIL
HER RETIREMENT FROM NASA

681

00:52:31,440 --> 00:52:36,030

LANGLEY.

KATHERINE, IT IS MY PLEASURE TO

682

00:52:36,030 --> 00:52:39,720

PRESENT THE STERLING SILVER
SNOOPY TO YOU IN APPRECIATION

683

00:52:39,720 --> 00:52:44,460

FOR YOUR EXCEPTIONAL SERVICE IN
CALCULATING TRAJECTORIES IN

684

00:52:44,460 --> 00:52:48,480

ORBITS OF AMERICA'S PIONEERING
SPACEFLIGHTS.

685

00:52:48,480 --> 00:52:52,509

YOU DEMONSTRATED THE TECHNICAL
COMPETENCE, DEDICATION, AND

686

00:52:52,509 --> 00:52:56,109

PRIDE THAT GUARANTEE MISSION
SUCCESS.

687

00:52:56,109 --> 00:53:02,240

THIS SILVER SNOOPY PIN WAS FLOWN
ABOARD SPACE SHUTTLE ATLANTIS IN

688

00:53:02,240 --> 00:53:09,779

2009 DURING MY SECOND MISSION,
STS-129.

689

00:53:09,779 --> 00:53:13,980

I'M HONORED TO BESTOW THIS
RECOGNITION AS SUCH, ON SUCH A

690

00:53:13,980 --> 00:53:19,690

WORTHY RECIPIENT AND DEAR
FRIEND, DR. KATHERINE G.

691

00:53:19,690 --> 00:53:26,619

JOHNSON.

[APPLAUSE]

692

00:53:26,619 --> 00:53:45,359

>> TESTING, ONE, TWO.

I WANT TO SAY THAT A COUPLE OF

693

00:53:45,359 --> 00:53:49,700

MONTHS AGO, I GAVE KATHERINE MY
FLOWN PIN BECAUSE SHE HAD NOT

694

00:53:49,700 --> 00:53:53,509

BEEN GIVEN A PIN YET.

NOW WE'RE GOING TO SWAP PINS

695

00:53:53,509 --> 00:54:32,869

WITH THE SILVER SNOOPY THAT I'M
GOING TO GIVE YOU RIGHT NOW.

696

00:54:32,869 --> 00:54:36,559

THIS IS A LETTER OF APPRECIATION
FOR PROFESSIONALISM, DEDICATION,

697

00:54:36,559 --> 00:54:39,049

AND OUTSTANDING SUPPORT THAT
GREATLY ENHANCED SPACEFLIGHT

698

00:54:39,049 --> 00:54:41,910

SAFETY AND MISSION SUCCESS.
IN RECOGNITION OF THESE

699

00:54:41,910 --> 00:54:46,369

ACHIEVEMENTS AND AS A SYMBOL OF
OUR SPECIAL THANKS, THE

700

00:54:46,369 --> 00:54:50,260

ASTRONAUT TEAM PRESENTS
ASTRONAUT'S PERSONAL ACHIEVEMENT

701

00:54:50,260 --> 00:54:59,509
AWARD TO KATHERINE G. JOHNSON,
MAY 5th, 2016, ON ASTRONAUT DAY.

702
00:54:59,509 --> 00:55:29,239

[APPLAUSE]
>> IT IS MY PLEASURE TO RECEIVE

703
00:55:29,239 --> 00:55:44,880

THE GIFT YOU HAVE GIVEN ME, THE
PRIZES YOU HAVE GIVEN ME.

704
00:55:44,880 --> 00:55:53,440

I'VE ENJOYED RECEIVING THEM.
AND THEY TELL ME YOU'RE GOING TO

705
00:55:53,440 --> 00:55:58,880

PUT A ROOM TO PUT THEM IN.

706
00:55:58,880 --> 00:56:02,930

[LAUGHTER]
WELL, I DO THANK YOU VERY MUCH

707
00:56:02,930 --> 00:56:10,540

FOR YOUR ATTENTION, FOR YOUR
KIND NOT.

708
00:56:10,540 --> 00:56:17,140

MORE THAN THAT I'M SO HAPPY FOR
GIVING MORE RECOGNITION TO

709
00:56:17,140 --> 00:56:20,999

WOMEN.
ALL THE WORK THAT THEY'VE DONE

710
00:56:20,999 --> 00:56:27,490

WHEN THEY NOTICED TO WRITE DOWN
WHAT I HAD WORKED ON.

711
00:56:27,490 --> 00:56:34,960

I THINK I HAD 20 PAGES.
AT THE TIME IT WAS JUST ANOTHER

712
00:56:34,960 --> 00:56:40,529
DAY'S WORK.
I HAVE ALWAYS DONE MY BEST, AND

713
00:56:40,529 --> 00:56:45,479
I ASK THE YOUNG LADIES HERE WHO
ARE INTERESTED IN MAJORING IN

714
00:56:45,479 --> 00:56:50,569
MATH, THAT'S WHAT YOU LIKE ABOUT
MATH, IT GIVES YOU A RIGHT AND A

715
00:56:50,569 --> 00:56:54,869
WRONG.
THE BEST THEME IN THE WORLD, BUT

716
00:56:54,869 --> 00:56:58,910
WHO'S GOING TO SAY WHO WROTE IT,
YOU KNOW.

717
00:56:58,910 --> 00:57:03,710
BUT IF YOU'VE GOT AN ANSWER TO A
PROBLEM THAT SOMEBODY ELSE HAS

718
00:57:03,710 --> 00:57:11,819
WORKED ON, YOURS IS THE ANSWER.
THAT IS IMPORTANT.

719
00:57:11,819 --> 00:57:16,759
SO I THANK YOU FOR RECOGNIZING
THAT WOMEN HAVE LONG BEEN DOING

720
00:57:16,759 --> 00:57:23,680
A LOT OF THE WORK.
[LAUGHTER]

721
00:57:23,680 --> 00:57:27,359

[APPLAUSE]

>> AMEN.

722

00:57:27,359 --> 00:57:41,339

>> AND YOU WOULD JUST LOOK AT ME
AND SEE -- AND YOU DO YOUR

723

00:57:41,339 --> 00:57:48,750

SHARE, DO YOUR BEST AT ALL
TIMES, TOO, BECAUSE YOU LIKE IT.

724

00:57:48,750 --> 00:57:51,819

I LIKE WORK.
I LIKE LEARNING.

725

00:57:51,819 --> 00:58:02,180

THERE'S A BOY WHOSE FATHER IS
HERE, WHO IS GOING TO TEACH ME

726

00:58:02,180 --> 00:58:10,400

SPANISH BECAUSE I SPOKE -- I
WANTED TO SPEAK SPANISH.

727

00:58:10,400 --> 00:58:14,450

WE'RE ALL SPEAKING SPANISH.
EVERY TIME HE COMES TO SEE ME

728

00:58:14,450 --> 00:58:19,989

WHICH IS NECESSARILY OFTEN NOW
THAT I HAVE MOVED, BUT HE COMES

729

00:58:19,989 --> 00:58:27,239

AND GIVES ME A SPANISH LESSON
KNOWING THAT I LIKE LEARNING.

730

00:58:27,239 --> 00:58:35,730

SO I ASK YOU TO ENJOY LEARNING,
WANT TO LEARN, AND YOU WILL DO

731

00:58:35,730 --> 00:58:39,880

IT, AND YOU WILL USE EVERY BIT
OF IT AT SOME TIME.

732

00:58:39,880 --> 00:58:45,210
WHO WOULD HAVE THOUGHT THAT 50
YEARS AGO WHEN THEY ASKED ME HOW

733

00:58:45,210 --> 00:58:50,299
FAR WERE WE ON A MOON ON A
CERTAIN DAY, I COULD OPEN A NO

734

00:58:50,299 --> 00:58:53,499
CONFIDENCE VOTEBOOK AND TELL
HIM.

735

00:58:53,499 --> 00:59:00,160
YOU COULD DO IT EASILY ENOUGH.
ALL THE TIME SOMEBODY WANT TO

736

00:59:00,160 --> 00:59:03,819
KNOW SOMETHING.
HELP THEM.

737

00:59:03,819 --> 00:59:10,480
HELP ANYBODY YOU CAN HELP.
YOU NEVER KNOW WHO YOU ARE

738

00:59:10,480 --> 00:59:16,029
HELPING, BUT THEY WILL
APPRECIATE IT, AND SO WILL YOU

739

00:59:16,029 --> 00:59:25,049
LATER.
THANKS AGAIN FOR EVERYTHING.

740

00:59:25,049 --> 00:59:34,069
>> YOU'RE WELCOME.
>> YOU'VE GIVEN ME.

741

00:59:34,069 --> 00:59:43,099

>> THANK YOU, THANK YOU.
[APPLAUSE]

742

00:59:43,099 --> 00:59:46,140
>> NEXT YEAR WE CELEBRATE OUR
CENTENNIAL, THE FIRST NASA

743

00:59:46,140 --> 00:59:49,819
CENTER TO DO SO.
FOR ALMOST 100 YEARS IT HAS BEEN

744

00:59:49,819 --> 00:59:53,529
PEOPLE LIKE KATHERINE, AND THEIR
CURIOSITY, PASSION AND

745

00:59:53,529 --> 00:59:58,599
BRILLIANCE THAT HAVE HELPED TO
SOLVE SOME OF THE MOST DIFFICULT

746

00:59:58,599 --> 01:00:02,549
CHALLENGES OF OUR TIME.
WE TAKE IMMENSE PRIDE IN THE

747

01:00:02,549 --> 01:00:06,059
WORK OF THOSE WHO CAME BEFORE
US, AND WE CELEBRATE OUR STORIED

748

01:00:06,059 --> 01:00:09,019
PAST BY HONORING THEM AND THEIR
ACCOMPLISHMENTS.

749

01:00:09,019 --> 01:00:14,609
WE ARE ALSO INCREDIBLY EXCITED
ABOUT OUR SOARING FUTURE.

750

01:00:14,609 --> 01:00:18,079
THE KATHERINE G. JOHNSON
COMPUTATIONAL RESEARCH FACILITY

751

01:00:18,079 --> 01:00:22,690

WILL HELP CARRY THIS CENTER, ITS
PEOPLE AND THE AWE-INSPIRING

752

01:00:22,690 --> 01:00:25,420

WORK THAT WE DO INTO THE NEXT
CENTURY.

753

01:00:25,420 --> 01:00:28,420

KATHERINE, THANK YOU IS NOT
ENOUGH.

754

01:00:28,420 --> 01:00:48,859

THANK YOU VERY MUCH.

[APPLAUSE]

755

01:00:48,859 --> 01:00:50,670

LADIES AND GENTLEMEN, THIS
CONCLUDES OUR CEREMONY.

756

01:00:50,670 --> 01:00:53,559

THANK YOU FOR COMING AND PLEASE
JOIN US FOR A RECEPTION TO

757

01:00:53,559 --> 01:00:54,640

CONTINUE THE CELEBRATION OF
TODAY'S ANNOUNCEMENT.

758

01:00:54,640 --> 01:01:02,859

WE HAVE CAKE AND PUNCH -- CAKE,
IT'S SOUTHERN, NOT BEING CHEAP.