



1
00:00:06,005 --> 00:00:10,510
>>> OKAY, FIRE FLY, ROLL CAMERA.

2
00:00:10,510 --> 00:00:16,182
THIS IS V-LOG ENTRY 184 AT IN

3
00:00:16,182 --> 00:00:18,218
ADDITION MISSION ELAPSED TIME.

4
00:00:18,218 --> 00:00:22,856
IN THREE, TWO, ONE.

5
00:00:22,856 --> 00:00:24,791
GREETINGS TO EVERYONE BACK ON

6
00:00:24,791 --> 00:00:27,460
EARTH, MARS, AND LUNAR BASE

7
00:00:27,460 --> 00:00:27,694
ALDRIN.

8
00:00:27,694 --> 00:00:31,197
WE'RE 30 DAYS OUT FROM OUR

9
00:00:31,197 --> 00:00:33,299
PRIMARY OBJECTIVE, SATURN'S ICY

10
00:00:33,299 --> 00:00:34,601
MOON AND THE VIEW IS -- WELL,

11
00:00:34,601 --> 00:00:35,869
THE VIEW IS INCREDIBLE.

12
00:00:35,869 --> 00:00:40,507
TAKE A LOOK.

13
00:00:40,507 --> 00:00:42,275

I'LL BE HONEST WITH YOU.

14

00:00:42,275 --> 00:00:44,344

IT WAS A LONG 712 DAYS AGO WHEN

15

00:00:44,344 --> 00:00:46,780

OUR CREW BEGAN THIS VOYAGE TO

16

00:00:46,780 --> 00:00:47,647

ANOTHER WORLD.

17

00:00:47,647 --> 00:00:52,385

WE FIRST TOOK SPACE ELEVATOR

18

00:00:52,385 --> 00:00:54,254

ASMA UP PAST THE MOON TO OUR

19

00:00:54,254 --> 00:00:55,155

SHIP, SATURN 1.

20

00:00:55,155 --> 00:00:57,023

FROM THERE, WE LEFT ON A

21

00:00:57,023 --> 00:00:58,625

TWO-YEAR JOURNEY TO WHAT I THINK

22

00:00:58,625 --> 00:01:02,462

IS THE COOLEST PLANET IN OUR

23

00:01:02,462 --> 00:01:03,596

SOLAR SYSTEM.

24

00:01:03,596 --> 00:01:06,366

152 YEARS AGO THIS MONTH,

25

00:01:06,366 --> 00:01:09,035

RUSSIAN YURI BECAME THE FIRST

26

00:01:09,035 --> 00:01:10,837

HUMAN TO ORBIT THE EARTH,

27

00:01:10,837 --> 00:01:13,006

FOLLOWED SOON BY AMERICA'S

28

00:01:13,006 --> 00:01:18,378

MERCURY ASTRONAUTS IN THE EARLY

29

00:01:18,378 --> 00:01:19,412

1960s.

30

00:01:19,412 --> 00:01:21,848

ARMSTRONG, ALDRIN, AND TEN

31

00:01:21,848 --> 00:01:23,616

OTHERS STEPPED ON TO THE LUNAR

32

00:01:23,616 --> 00:01:24,317

SURFACE.

33

00:01:24,317 --> 00:01:27,454

SINCE THOSE EARLY DAYS, SPACE

34

00:01:27,454 --> 00:01:29,189

TRAVEL HAS BECOME TRULY

35

00:01:29,189 --> 00:01:29,622

INTERNATIONAL, BEGINNING WITH

36

00:01:29,622 --> 00:01:31,224

THE SPACE SHUTTLE PROGRAM IN THE

37

00:01:31,224 --> 00:01:32,158

1980s.

38

00:01:32,158 --> 00:01:34,527

FOR NEARLY FOUR DECADES, THE

39

00:01:34,527 --> 00:01:35,995

INTERNATIONAL SPACE STATION WAS

40

00:01:35,995 --> 00:01:38,531

OCCUPIED BY CREWS FROM AROUND

41

00:01:38,531 --> 00:01:39,299

THE WORLD.

42

00:01:39,299 --> 00:01:42,669

IN THE 2020s, WE AGAIN VENTURED

43

00:01:42,669 --> 00:01:44,771

BEYOND LOW EARTH ORBIT, FIRST

44

00:01:44,771 --> 00:01:48,775

BACK TO THE MOON THEN TO MARS.

45

00:01:48,775 --> 00:01:50,877

WE CONTINUED TO SEND BOTH

46

00:01:50,877 --> 00:01:54,080

ROBOTIC AND CREWED FLIGHTS, EVEN

47

00:01:54,080 --> 00:02:01,955

FARTHER INTO OUR SOLAR SYSTEM.

48

00:02:01,955 --> 00:02:09,696

■■■

49

00:02:09,696 --> 00:02:12,866

AS WE WAIT FOR THE DOWN LINK

50

00:02:12,866 --> 00:02:14,968

FROM THE CELEDUS, LET'S TAKE A

51
00:02:14,968 --> 00:02:16,469
LOOK AT THE GRAVITY ASSIST

52
00:02:16,469 --> 00:02:18,705
SLINGSHOT THAT BOOSTED CURRENT

53
00:02:18,705 --> 00:02:20,607
1'S SPEED ON ITS JUPITER FLY BY.

54
00:02:20,607 --> 00:02:22,275
BY THE TIME YOU SEE THIS, THE

55
00:02:22,275 --> 00:02:24,410
CREW OF THE SATURN 1 LANDER WILL

56
00:02:24,410 --> 00:02:29,749
BE MAKING THEIR FINAL DESCENT TO

57
00:02:29,749 --> 00:02:31,417
THE SURFACE.

58
00:02:31,417 --> 00:02:32,185
THIS IS IT.

59
00:02:32,185 --> 00:02:35,054
WHAT WILL WE FIND WHEN THE CREW

60
00:02:35,054 --> 00:02:35,388
LANDS?

61
00:02:35,388 --> 00:02:39,025
WHAT WE DO KNOW IS THAT FROM THE

62
00:02:39,025 --> 00:02:39,859
CREW'S FIRST STEPS ON TO THE

63
00:02:39,859 --> 00:02:41,394

SURFACE WILL COME SPECTACULAR

64
00:02:41,394 --> 00:02:44,631
IMAGES, UNEXPECTED ANSWERS, AND

65
00:02:44,631 --> 00:02:46,199
INFINITE QUESTIONS SPARKED BY

66
00:02:46,199 --> 00:02:47,100
THE UNQUENCHABLE HUMAN THIRST TO

67
00:02:47,100 --> 00:03:00,013
EXPLORE.

68
00:03:00,013 --> 00:03:02,382
>>> LADIES AND GENTLEMEN, PLEASE

69
00:03:02,382 --> 00:03:03,349
WELCOME THE CHAIRMAN OF THE

70
00:03:03,349 --> 00:03:05,485
RNASA FOUNDATION, MR. RODOLFO

71
00:03:05,485 --> 00:03:08,855
GONZALEZ.

72
00:03:08,855 --> 00:03:10,690
>> GOOD EVENING, LADIES AND

73
00:03:10,690 --> 00:03:10,990
GENTLEMEN.

74
00:03:10,990 --> 00:03:13,459
ON BEHALF OF THE ROTARY

75
00:03:13,459 --> 00:03:14,494
INTERNATIONAL SPACE CENTER

76
00:03:14,494 --> 00:03:16,129
ROTARY CLUB AND THE ROTARY

77
00:03:16,129 --> 00:03:17,330
NATIONAL AWARD FOR SPACE

78
00:03:17,330 --> 00:03:18,531
ACHIEVEMENT FOUNDATION, IT IS MY

79
00:03:18,531 --> 00:03:20,300
GREAT PLEASURE TO WELCOME YOU TO

80
00:03:20,300 --> 00:03:25,705
OUR 31st ANNUAL SPACE AWARDS

81
00:03:25,705 --> 00:03:27,440
GALA.

82
00:03:27,440 --> 00:03:28,074
AT THIS MOMENT, I'D LIKE TO TAKE

83
00:03:28,074 --> 00:03:29,876
A SPECIAL THANKS TO OUR FRIENDS

84
00:03:29,876 --> 00:03:31,177
AT THE SPACE FOUNDATION FOR THAT

85
00:03:31,177 --> 00:03:32,312
EXCITING TRAILER THAT YOU JUST

86
00:03:32,312 --> 00:03:35,114
SAW BY OUR VERY OWN SPACE CITY

87
00:03:35,114 --> 00:03:36,015
FILMS.

88
00:03:36,015 --> 00:03:40,253

[APPLAUSE]

89

00:03:40,253 --> 00:03:41,721

THAT COMING ATTRACTIONS TRAILER

90

00:03:41,721 --> 00:03:44,724

IS FOR AN UPCOMING GIANT SCREEN

91

00:03:44,724 --> 00:03:46,326

FORMAT FILM, VOYAGE TO ANOTHER

92

00:03:46,326 --> 00:03:48,294

WORLD, NOW IN PREPRODUCTION.

93

00:03:48,294 --> 00:03:50,129

THIS YEAR, WE CELEBRATE TO HONOR

94

00:03:50,129 --> 00:03:53,933

THE ACCOMPLISHMENTS OF DR. JOHN

95

00:03:53,933 --> 00:03:56,235

MACE GRUNSFELD, ROB NAVIAS, AND

96

00:03:56,235 --> 00:03:58,972

ALL THE 2017 STELLARS.

97

00:03:58,972 --> 00:04:01,274

THE RNASA FOUNDATION RECOGNIZES

98

00:04:01,274 --> 00:04:03,042

ACHIEVEMENTS OF SPACE ACROSS THE

99

00:04:03,042 --> 00:04:04,911

ENTIRE NATION AND ACROSS ALL

100

00:04:04,911 --> 00:04:06,245

SECTORS AND WE ARE INCREDIBLY

101
00:04:06,245 --> 00:04:07,847
HONORED TO HAVE SO MANY VISITORS

102
00:04:07,847 --> 00:04:08,915
FROM ALL OVER THE COUNTRY HERE

103
00:04:08,915 --> 00:04:10,850
WITH US TONIGHT.

104
00:04:10,850 --> 00:04:13,252
NOW, I'D LIKE TO ASK EVERYONE TO

105
00:04:13,252 --> 00:04:16,255
PLEASE RISE AND RECEIVE THE

106
00:04:16,255 --> 00:04:17,357
CLEAR BROOK HIGH SCHOOL ARMY

107
00:04:17,357 --> 00:04:21,027
JUNIOR ROTC COLOR GUARD,

108
00:04:21,027 --> 00:04:27,634
FOLLOWED BY ERIN BURTON, EVA CUR

109
00:04:27,634 --> 00:04:31,471
CHON, MATILDA AND TALIA WITH THE

110
00:04:31,471 --> 00:04:34,040
PERFORMING VISUAL ARTS GIRLS

111
00:04:34,040 --> 00:05:16,749
CHORUS WITH THE NATIONAL ANTHEM.

112
00:05:16,749 --> 00:05:19,052
■ O SAY CAN YOU SEE BY THE

113
00:05:19,052 --> 00:05:20,920

DAWN'S EARLY LIGHT ■

114

00:05:20,920 --> 00:05:24,691

■ WHAT SO PROUDLY WE HAILED AT

115

00:05:24,691 --> 00:05:31,230

THE TWILIGHT'S LAST GLEAMING ■

116

00:05:31,230 --> 00:05:35,435

■ WHOSE BROAD STRIPES AND BRIGHT

117

00:05:35,435 --> 00:05:42,642

STARS THROUGH THE PERILOUS FIGHT

118

00:05:42,642 --> 00:05:45,078

O'ER THE RAM PARTS WE WATCHED

119

00:05:45,078 --> 00:05:50,149

WERE SO GALLANTLY STREAMING ■

120

00:05:50,149 --> 00:05:52,518

■ AND THE ROCKET'S RED GLARE,

121

00:05:52,518 --> 00:06:00,226

THE BOMBS BURSTING IN AIR GAVE

122

00:06:00,226 --> 00:06:01,561

PROOF THROUGH THE NIGHT THAT OUR

123

00:06:01,561 --> 00:06:08,434

FLAG WAS STILL THERE ■

124

00:06:08,434 --> 00:06:14,373

■ O SAY, DOES THAT STAR SPANGLED

125

00:06:14,373 --> 00:06:22,782

BANNER YET WAVE O'ER THE LAND OF

126
00:06:22,782 --> 00:06:31,390
THE FREE AND THE HOME OF THE

127
00:06:31,390 --> 00:06:33,760
BRAVE ■■

128
00:06:33,760 --> 00:06:58,818
[APPLAUSE]

129
00:06:58,818 --> 00:07:00,753
>> WONDERFUL JOB, LADIES.

130
00:07:00,753 --> 00:07:02,221
THANK YOU SO MUCH.

131
00:07:02,221 --> 00:07:06,092
PLEASE BE SEATED.

132
00:07:06,092 --> 00:07:08,194
I WOULD LIKE TO TAKE A MOMENT TO

133
00:07:08,194 --> 00:07:09,962
RECOGNIZE A FEW PEOPLE IN THE

134
00:07:09,962 --> 00:07:12,698
AUDIENCE, STARTING WITH THE

135
00:07:12,698 --> 00:07:14,133
PREVIOUS NATIONAL SPACE TROPHY

136
00:07:14,133 --> 00:07:14,300
WINNERS.

137
00:07:14,300 --> 00:07:15,968
YOU'LL FIND A COMPLETE LISTING

138
00:07:15,968 --> 00:07:19,372

OF THEM IN YOUR PROGRAM BOOK.

139

00:07:19,372 --> 00:07:20,039

IF I COULD HAVE THE HOUSE

140

00:07:20,039 --> 00:07:21,474

LIGHTS, PLEASE, MARCUS.

141

00:07:21,474 --> 00:07:24,911

AS I CALL OUT THE PREVIOUS

142

00:07:24,911 --> 00:07:25,478

NATIONAL SPACE TROPHY WINNERS

143

00:07:25,478 --> 00:07:27,113

HERE TONIGHT, I ASK THAT THEY

144

00:07:27,113 --> 00:07:31,851

PLEASE RISE AND REMAIN STANDING

145

00:07:31,851 --> 00:07:32,718

WHILE THEY ARE ACKNOWLEDGED.

146

00:07:32,718 --> 00:07:37,590

PLEASE HELP ME WELCOME FROM 2015

147

00:07:37,590 --> 00:07:40,459

COLONEL ROBERT CABANA.

148

00:07:40,459 --> 00:07:46,899

2009, DR. MICHAEL GRIFFIN.

149

00:07:46,899 --> 00:07:50,570

2006, COLONEL EILEEN COLLINS.

150

00:07:50,570 --> 00:07:56,175

2005, DR. GLENN LUNNY.

151
00:07:56,175 --> 00:07:56,909
2001, MR. TOMMY HOLLOWAY.

152
00:07:56,909 --> 00:07:58,377
AND FROM 1993, LIEUTENANT

153
00:07:58,377 --> 00:08:10,756
GENERAL THOMAS STAFFORD.

154
00:08:10,756 --> 00:08:12,592
NOW, I WOULD LIKE TO ACKNOWLEDGE

155
00:08:12,592 --> 00:08:17,230
ALL THE BOARD OF ADVISORS.

156
00:08:17,230 --> 00:08:17,697
SPACE INDUSTRY FROM ACROSS THE

157
00:08:17,697 --> 00:08:19,465
COUNTRY THAT VOTE ANNUALLY ON

158
00:08:19,465 --> 00:08:20,466
THE NATIONAL SPACE TROPHY

159
00:08:20,466 --> 00:08:20,633
WINNER.

160
00:08:20,633 --> 00:08:22,268
A COMPLETE LISTING OF THEM CAN

161
00:08:22,268 --> 00:08:24,937
ALSO BE SEEN IN YOUR PROGRAM

162
00:08:24,937 --> 00:08:26,172
BOOK, AND YOU MIGHT NOTICE THEM

163
00:08:26,172 --> 00:08:28,174

WEARING A RED RIBBON TONIGHT.

164

00:08:28,174 --> 00:08:30,743

PREVIOUS NATIONAL SPACE TROPHY

165

00:08:30,743 --> 00:08:35,281

WINNERS JOIN THIS ILLUSTRIOUS

166

00:08:35,281 --> 00:08:36,649

GROUP OF PEOPLE AND WE'RE VERY

167

00:08:36,649 --> 00:08:38,150

GRATEFUL TO HAVE THEM HERE

168

00:08:38,150 --> 00:08:38,451

TONIGHT.

169

00:08:38,451 --> 00:08:40,186

I'D LIKE TO ASK ALL OUR ADVISORY

170

00:08:40,186 --> 00:08:40,386

MEMBERS TO KINDLY STAND AND BE

171

00:08:40,386 --> 00:08:44,257

RECOGNIZED.

172

00:08:44,257 --> 00:08:57,336

[APPLAUSE]

173

00:08:57,336 --> 00:08:58,371

THE RNASA FOUNDATION WAS

174

00:08:58,371 --> 00:09:00,039

ESTABLISHED BY THE SPACE CENTER

175

00:09:00,039 --> 00:09:04,143

ROTARY CLUB IN 1985.

176

00:09:04,143 --> 00:09:06,579

HOLDING ITS FIRST GALA IN 1987.

177

00:09:06,579 --> 00:09:08,547

WITH THIS YEAR MARKING OUR 31st

178

00:09:08,547 --> 00:09:10,049

ANNUAL EVENT.

179

00:09:10,049 --> 00:09:11,550

WITH THE GENEROUS SUPPORT OF OUR

180

00:09:11,550 --> 00:09:13,152

SPONSORS, THIS EVENT CONTINUES

181

00:09:13,152 --> 00:09:17,723

TO BE COORDINATED LARGELY BY

182

00:09:17,723 --> 00:09:18,057

ROETARIANS.

183

00:09:18,057 --> 00:09:19,191

THE SPACE CENTER ROTARY CLUB IS

184

00:09:19,191 --> 00:09:21,427

ONE OF MANY ROTARY CLUBS IN

185

00:09:21,427 --> 00:09:23,162

DISTRICT 5890 AND TONIGHT WE'RE

186

00:09:23,162 --> 00:09:25,097

VERY PLEASED TO BE JOINED BY THE

187

00:09:25,097 --> 00:09:27,333

ROTARY DISTRICT GOVERNOR, DR.

188

00:09:27,333 --> 00:09:36,108

ERIC LIU.

189

00:09:36,108 --> 00:09:38,110

OUR GOAL HERE, REALLY, IS THAT

190

00:09:38,110 --> 00:09:40,079

EVERYONE HERE FEELS LIKE A

191

00:09:40,079 --> 00:09:41,013

DISTINGUISHED GUEST AND THE

192

00:09:41,013 --> 00:09:43,382

FOUNDATION WHOLEHEARTEDLY

193

00:09:43,382 --> 00:09:44,083

WELCOMES YOU.

194

00:09:44,083 --> 00:09:46,419

AND SINCERELY HOPES YOU ENJOY

195

00:09:46,419 --> 00:09:48,487

THIS VERY SPECIAL EVENING.

196

00:09:48,487 --> 00:09:49,689

NOW, REVERENT MADELLA WILLIAMS,

197

00:09:49,689 --> 00:09:53,559

SENIOR PASTOR OF THE TAYLOR LAKE

198

00:09:53,559 --> 00:09:57,330

CHRISTIAN CHURCH, WILL GIVE THE

199

00:09:57,330 --> 00:10:02,368

INVOCATION.

200

00:10:02,368 --> 00:10:03,102

>> WILL YOU PLEASE BOW YOUR

201
00:10:03,102 --> 00:10:06,372
HEADS WITH ME.

202
00:10:06,372 --> 00:10:10,543
LET US PRAY SILENTLY TOGETHER,

203
00:10:10,543 --> 00:10:13,079
EACH OF US ACCORDING TO OUR

204
00:10:13,079 --> 00:10:14,280
INDIVIDUAL BELIEFS.

205
00:10:14,280 --> 00:10:15,815
CREATOR OF THE UNIVERSE,

206
00:10:15,815 --> 00:10:19,518
ALMIGHTY AND AWESOME GOD,

207
00:10:19,518 --> 00:10:22,188
ADONAI, ALLAH, ARCHITECT OF

208
00:10:22,188 --> 00:10:23,756
BEING, IN THIS CIRCLE OF

209
00:10:23,756 --> 00:10:26,659
FRIENDS, WE ARE BLESSED BY YOUR

210
00:10:26,659 --> 00:10:29,061
PRESENCE, GRATEFUL FOR ALL OF

211
00:10:29,061 --> 00:10:31,130
YOUR GIFTS TO US AS WE GATHER

212
00:10:31,130 --> 00:10:32,698
HERE THIS EVENING.

213
00:10:32,698 --> 00:10:34,667

LET US GIVE GRATITUDE FOR OUR

214

00:10:34,667 --> 00:10:36,669

OPPORTUNITY TO SERVE ROTARY SO

215

00:10:36,669 --> 00:10:38,904

WE MIGHT BE A GIFT TO THE WORLD

216

00:10:38,904 --> 00:10:40,673

SERVING HUMANITY.

217

00:10:40,673 --> 00:10:43,943

LET US BE A SOURCE OF HOPE FOR

218

00:10:43,943 --> 00:10:45,077

THOSE IN NEED.

219

00:10:45,077 --> 00:10:47,179

WITH OUR FRIENDS BESIDE US AND

220

00:10:47,179 --> 00:10:49,782

THE BONDS OF ROTARY BETWEEN US,

221

00:10:49,782 --> 00:10:52,284

WITH OUR GOALS BEFORE US AND OUR

222

00:10:52,284 --> 00:10:55,321

DREAMS AHEAD OF US, MAY THE

223

00:10:55,321 --> 00:10:57,089

FEELINGS OF LOVE, KINDNESS, AND

224

00:10:57,089 --> 00:11:00,459

A WELL-DIRECTED GENTLE SPIRIT

225

00:11:00,459 --> 00:11:03,496

ALWAYS BE REFLECTED IN OUR

226

00:11:03,496 --> 00:11:03,863

ACTIONS.

227

00:11:03,863 --> 00:11:04,997

FOR THE FELLOWSHIP AND

228

00:11:04,997 --> 00:11:07,099

FRIENDSHIP THAT FEEDS OUR SOULS

229

00:11:07,099 --> 00:11:08,501

AND FOR THE MEAL THAT WE ARE

230

00:11:08,501 --> 00:11:10,436

ABOUT TO SHARE THAT NOURISHES

231

00:11:10,436 --> 00:11:11,871

OUR BODIES, WE GIVE THANKS.

232

00:11:14,106 --> 00:11:12,838

AMEN.

233

00:11:14,106 --> 00:11:19,845

THANK YOU, MADELLA.

234

00:11:19,845 --> 00:11:21,080

WELL, I'M REALLY EXCITED ABOUT

235

00:11:21,080 --> 00:11:21,480

TONIGHT'S PROGRAM.

236

00:11:21,480 --> 00:11:25,518

I'M EXCITED ABOUT HONORING DR.

237

00:11:25,518 --> 00:11:28,287

GRUNSFELD, MR. NAVIAS, THE

238

00:11:28,287 --> 00:11:28,421

STELLAR HONOREES.

239

00:11:28,421 --> 00:11:29,488

I'M EXCITED ABOUT THE WONDERFUL

240

00:11:29,488 --> 00:11:32,124

PEOPLE HERE TO PRESENT THOSE

241

00:11:32,124 --> 00:11:35,828

AWARDS AND WE'RE PLEASED TO

242

00:11:35,828 --> 00:11:36,228

WELCOME BACK MILES O'BRIEN AS

243

00:11:36,228 --> 00:11:37,630

OUR MASTER OF CEREMONIES.

244

00:11:37,630 --> 00:11:38,964

TONIGHT'S EVENT IS BEING

245

00:11:38,964 --> 00:11:41,500

RECORDED LIVE AND WILL BE

246

00:11:41,500 --> 00:11:42,101

BROADCAST NEXT WEEK.

247

00:11:42,101 --> 00:11:43,269

THE PROGRAM WILL AIR ON TUESDAY

248

00:11:43,269 --> 00:11:46,005

MAY 2 AT 3:00 P.M. AND 7:00 P.M.

249

00:11:46,005 --> 00:11:47,606

CENTRAL, SO BE SURE TO TELL YOUR

250

00:11:47,606 --> 00:11:49,341

FRIENDS, FAMILY, AND COWORKERS

251
00:11:49,341 --> 00:11:53,479
AND REMEMBER TO SET THE DVRs.

252
00:11:53,479 --> 00:11:55,347
THE RNASA FOUNDATION'S MISSION

253
00:11:55,347 --> 00:12:00,119
IS TO ENCOURAGE, RECOGNIZE,

254
00:12:00,119 --> 00:12:02,388
HONOR, AND CELEBRATE U.S. SPACE

255
00:12:02,388 --> 00:12:02,588
ACHIEVEMENT.

256
00:12:02,588 --> 00:12:04,690
AND THE MEMBERS OF THE

257
00:12:04,690 --> 00:12:06,492
FOUNDATION TRULY APPRECIATE THE

258
00:12:06,492 --> 00:12:07,760
ENORMITY OF WORK THAT TONIGHT'S

259
00:12:07,760 --> 00:12:09,261
AUDIENCE REPRESENTS.

260
00:12:09,261 --> 00:12:11,931
SO, LET ME LEAVE YOU WITH MY

261
00:12:11,931 --> 00:12:13,599
SINCEREST WISH TO PLEASE ENJOY

262
00:12:13,599 --> 00:12:18,170
YOUR EVENING, ENJOY YOUR MEAL,

263
00:12:18,170 --> 00:12:21,307

ENJOY YOUR COMPANY.

264

00:12:21,307 --> 00:12:27,213

CHEERS.

265

00:12:27,213 --> 00:12:28,247

>> WITH THE INVENTION OF THE

266

00:12:28,247 --> 00:12:29,548

TELESCOPE IN THE 17th CENTURY,

267

00:12:29,548 --> 00:12:30,749

HUMANS WERE FINALLY ABLE TO SEE

268

00:12:30,749 --> 00:12:33,486

A MAGNIFIED VIEW OF THE INFINITE

269

00:12:33,486 --> 00:12:35,421

SPACE ABOVE OUR PLANET.

270

00:12:35,421 --> 00:12:38,257

IN THAT SPACE, WE SAW THE

271

00:12:38,257 --> 00:12:39,792

COLOSSAL PLANETS AND MOONS OF

272

00:12:39,792 --> 00:12:42,027

OUR SOLAR SYSTEM.

273

00:12:42,027 --> 00:12:44,897

THE DAZZLING PALETTES OF NEBULA

274

00:12:44,897 --> 00:12:46,899

AND DISTANT GALAXIES AND THE

275

00:12:46,899 --> 00:12:49,068

DARKNESS OF THE UNKNOWN.

276
00:12:49,068 --> 00:12:52,037
BUT MOST IMPORTANTLY, WE SAW

277
00:12:52,037 --> 00:12:58,244
POTENTIAL.

278
00:12:58,244 --> 00:13:00,045
AS OUR FIRST AND ONLY TRUE HOME

279
00:13:00,045 --> 00:13:03,048
AWAY FROM HOME, THE

280
00:13:03,048 --> 00:13:04,250
INTERNATIONAL SPACE STATION AS

281
00:13:04,250 --> 00:13:07,286
BECOME THE ESSENTIAL HUB FOR

282
00:13:07,286 --> 00:13:08,521
MULTIDISCIPLINE SCIENTIFIC

283
00:13:08,521 --> 00:13:10,890
RESEARCH IN SPACE.

284
00:13:10,890 --> 00:13:11,657
TO FURTHER OUR UNDERSTANDING OF

285
00:13:11,657 --> 00:13:14,226
THE EFFECTS OF LONG DURATION

286
00:13:14,226 --> 00:13:16,996
SPACE FLIGHT ON THE HUMAN BODY,

287
00:13:16,996 --> 00:13:28,807
ASTRONAUT SCOTT KELLY AND

288
00:13:28,807 --> 00:13:33,546

COSMONAUT MIKAIL SPENT TIME ON

289

00:13:33,546 --> 00:13:34,380

THE SPACE STATION.

290

00:13:34,380 --> 00:13:37,483

THE ISS IS CONTINUOUSLY OCCUPIED

291

00:13:37,483 --> 00:13:40,152

BY AN ALTERNATING INTERNATIONAL

292

00:13:40,152 --> 00:13:42,121

TEAM OF PILOTS, COMMANDERS AND

293

00:13:42,121 --> 00:13:43,589

SPECIALISTS WHOSE WORK ON

294

00:13:43,589 --> 00:13:45,724

STATION THIS YEAR INCLUDED THE

295

00:13:45,724 --> 00:13:47,393

SEQUENCING OF MORE THAN 1

296

00:13:47,393 --> 00:13:50,563

BILLION BASE PAIRS OF DNA,

297

00:13:50,563 --> 00:13:52,631

ADVANCED FIRE SUPPRESSION

298

00:13:52,631 --> 00:13:53,399

EXPERIMENTATION, AND SEVERAL

299

00:13:53,399 --> 00:13:55,000

HARDWARE UPGRADES.

300

00:13:55,000 --> 00:13:57,203

ONE SUCH UPGRADE WAS THE

301
00:13:57,203 --> 00:13:58,671
INTERNATIONAL DOCKING ADAPTER,

302
00:13:58,671 --> 00:14:01,173
WHICH ENABLES FUTURE CREWS TO

303
00:14:01,173 --> 00:14:05,144
ARRIVE VIA BOEING CST 1000

304
00:14:05,144 --> 00:14:07,780
STARLIGHTER AND SPACEX'S CREWED

305
00:14:07,780 --> 00:14:09,949
DRAGON SPACECRAFT.

306
00:14:09,949 --> 00:14:12,218
AS AMERICAN COMMERCIAL CREW

307
00:14:12,218 --> 00:14:13,152
SPACECRAFTS CONTINUE DEVELOPMENT

308
00:14:13,152 --> 00:14:17,790
AND GROW EVER CLOSER TO

309
00:14:17,790 --> 00:14:19,458
READINESS, SO YOU REMAINS THE

310
00:14:19,458 --> 00:14:20,960
SINGULAR METHOD FOR EXPEDITION

311
00:14:20,960 --> 00:14:21,927
CREW CHANGE.

312
00:14:21,927 --> 00:14:23,963
IN ADDITION TO SIX CREWED

313
00:14:23,963 --> 00:14:26,065

ARRIVALS AND DEPARTURES, SEVERAL

314

00:14:26,065 --> 00:14:26,832

UNCREWED AGENCY AND COMMERCIAL

315

00:14:26,832 --> 00:14:29,868

FLIGHTS DELIVERED AND RETURNED

316

00:14:29,868 --> 00:14:31,270

CARGO, SUPPLIES, AND EXPERIMENTS

317

00:14:31,270 --> 00:14:32,905

TO THE STATION THROUGHOUT THE

318

00:14:32,905 --> 00:14:33,405

YEAR.

319

00:14:33,405 --> 00:14:36,709

THE JAPAN AEROSPACE EXPLORATION

320

00:14:36,709 --> 00:14:41,513

AGENCY OR JAXA SUCCESSFULLY

321

00:14:41,513 --> 00:14:43,616

DELIVERED SIX TONS OF CARGO WITH

322

00:14:43,616 --> 00:14:45,818

THE H2 TRANSFER VEHICLE.

323

00:14:45,818 --> 00:14:48,854

SPACE X DRAGON CAPSULE DELIVERED

324

00:14:48,854 --> 00:14:51,257

THE BIGELOW EXPANDABLE MODULE IN

325

00:14:51,257 --> 00:14:53,392

APRIL WHICH WAS SUBSEQUENTLY

326

00:14:53,392 --> 00:14:57,630

INSTALLED AND INFLATED.

327

00:14:57,630 --> 00:14:59,832

BEAM IS CURRENTLY UNDERGOING AIR

328

00:14:59,832 --> 00:15:01,834

QUALITY CHECKS, TESTING AND

329

00:15:01,834 --> 00:15:02,101

MONITORING.

330

00:15:02,101 --> 00:15:04,470

IN A HALLMARK RETURN TO FLIGHT,

331

00:15:04,470 --> 00:15:08,474

ORBITAL ATK ONCE AGAIN LAUNCHED

332

00:15:08,474 --> 00:15:12,544

THE CAPSULE ATOP THE ANTARES

333

00:15:12,544 --> 00:15:13,712

ROCKET, CARRYING SUPPLIES AND

334

00:15:13,712 --> 00:15:16,849

EXPERIMENTS TO THE ISS.

335

00:15:16,849 --> 00:15:19,351

SPACEX'S DRAGON CARGO CAPSULE

336

00:15:19,351 --> 00:15:21,120

VISITED THE STATION THREE MORE

337

00:15:21,120 --> 00:15:23,422

TIMES, ALSO DELIVERING NECESSARY

338

00:15:23,422 --> 00:15:26,558

SUPPLIES AND EXPERIMENTS.

339

00:15:26,558 --> 00:15:28,994

ADDITIONALLY, THE FALCON 9 FIRST

340

00:15:28,994 --> 00:15:29,962

STAGE ACHIEVED ITS FIRST EVER

341

00:15:29,962 --> 00:15:33,165

LANDING OF A DRONE SHIP TS I

342

00:15:33,165 --> 00:15:34,767

STILL LOVE YOU IN APRIL,

343

00:15:34,767 --> 00:15:36,902

FOLLOWED BY FIVE ADDITIONAL

344

00:15:36,902 --> 00:15:38,871

SUCCESSFUL LANDINGS.

345

00:15:38,871 --> 00:15:41,307

ONE OF THOSE ADDITIONAL LANDINGS

346

00:15:41,307 --> 00:15:42,841

ACHIEVED ANOTHER MILESTONE WHEN

347

00:15:42,841 --> 00:15:44,910

THE FIRST STAGE WAS REUSED TO

348

00:15:44,910 --> 00:15:46,178

LAUNCH A COMMUNICATIONS

349

00:15:46,178 --> 00:15:49,081

SATELLITE IN MARCH.

350

00:15:49,081 --> 00:15:51,850

BLUE ORIGIN'S NEW SHEPARD CAP

351
00:15:51,850 --> 00:15:55,454
SHUL ACED ITS FIRST INFLIGHT

352
00:15:55,454 --> 00:15:57,723
ESCAPE TEST, VERIFYING EARLIER

353
00:15:57,723 --> 00:15:58,691
FLIGHT TESTS.

354
00:15:58,691 --> 00:16:01,694
THE SAME TEST SAW THE FIFTH

355
00:16:01,694 --> 00:16:02,861
AUTONOMOUS VERTICAL LANDING OF

356
00:16:02,861 --> 00:16:09,001
THE NEW SHEPARD FIRST STAGE

357
00:16:09,001 --> 00:16:09,435
BOOSTER.

358
00:16:09,435 --> 00:16:11,303
BURTON GALACTIC SPACESHIP TWO

359
00:16:11,303 --> 00:16:12,638
RETURNED IN DECEMBER, AS

360
00:16:12,638 --> 00:16:13,772
PREPARATION FOR FURTHER POWERED

361
00:16:13,772 --> 00:16:15,607
FLIGHTS LATER THIS YEAR.

362
00:16:15,607 --> 00:16:20,346

■■

363
00:16:20,346 --> 00:16:22,848

THE ORION PROGRAM CONTINUED

364

00:16:22,848 --> 00:16:24,783

DEVELOPMENT OF THE NEXT

365

00:16:24,783 --> 00:16:26,719

GENERATION HUMAN EXPLORATION

366

00:16:26,719 --> 00:16:27,453

SPACECRAFT.

367

00:16:27,453 --> 00:16:29,822

SURPASSING MULTIPLE SPLASHDOWN,

368

00:16:29,822 --> 00:16:31,256

PARACHUTE, AND PACIFIC OCEAN

369

00:16:31,256 --> 00:16:34,193

RECOVERY TESTS.

370

00:16:34,193 --> 00:16:35,627

ORION'S COMPLETED HEAT SHIELD

371

00:16:35,627 --> 00:16:37,496

ARRIVED AT KENNEDY SPACE CENTER

372

00:16:37,496 --> 00:16:39,465

IN FLORIDA, ARE READY FOR

373

00:16:39,465 --> 00:16:44,436

INTEGRATION WITH THE CAPSULE FOR

374

00:16:44,436 --> 00:16:46,405

2018'S EXPLORATION MISSION ONE.

375

00:16:46,405 --> 00:16:48,273

CORE STAGE FUEL TANK WELDING WAS

376
00:16:48,273 --> 00:16:50,476
COMPLETED FOR NASA'S NEW HEAVY

377
00:16:50,476 --> 00:16:53,512
LEFT VEHICLE, THE SPACE LUNCH

378
00:16:53,512 --> 00:16:53,645
SYSTEM.

379
00:16:53,645 --> 00:16:57,015
ADDITIONALLY, THE SLS PROGRAM

380
00:16:57,015 --> 00:16:58,217
MANAGERS COMPLETED SUCCESSFUL

381
00:16:58,217 --> 00:17:00,052
TESTING OF THE SOLID ROCKET

382
00:17:00,052 --> 00:17:01,754
BOOSTERS AND RS 25 ENGINES THAT

383
00:17:01,754 --> 00:17:03,989
WILL POWER ITS FLIGHT.

384
00:17:03,989 --> 00:17:07,326
TO PREPARE SLS AND ORION FOR

385
00:17:07,326 --> 00:17:09,995
FLIGHT, THE KENNEDY SPACE CENTER

386
00:17:09,995 --> 00:17:10,496
UNDERWENT A COMPREHENSIVE

387
00:17:10,496 --> 00:17:14,099
MODERNIZATION RE OF UPGRADED

388
00:17:14,099 --> 00:17:16,835

LAUNCH PAD SYSTEMS AND NEW

389

00:17:16,835 --> 00:17:20,339

PLATFORMS IN THE VAB.

390

00:17:20,339 --> 00:17:21,540

THE CURIOSITY ROVER FOUND

391

00:17:21,540 --> 00:17:23,409

CHEMICALS AND MARTIAN ROCKS THAT

392

00:17:23,409 --> 00:17:24,810

SUGGESTED MARS HAD MORE OXYGEN

393

00:17:24,810 --> 00:17:26,245

IN ITS ATMOSPHERE.

394

00:17:26,245 --> 00:17:27,913

CURIOSITY ALSO CONDUCTED AN IN

395

00:17:27,913 --> 00:17:29,715

PLACE STUDY OF ACTIVE SAND

396

00:17:29,715 --> 00:17:31,116

DUNES, CHOSE ITS OWN ROCK

397

00:17:31,116 --> 00:17:34,086

TARGETS FOR LASER SPECTROMETRY

398

00:17:34,086 --> 00:17:35,754

AND SENT BACK STUNNING PHOTOS OF

399

00:17:35,754 --> 00:17:39,591

THE MARTIAN LANDSCAPE AND THE

400

00:17:39,591 --> 00:17:40,359

ODDITIES WITHIN.

401
00:17:40,359 --> 00:17:42,561
THE NEW HORIZONS MISSION SENT

402
00:17:42,561 --> 00:17:48,200
THE LAST BITS OF SCIENCE DATA

403
00:17:48,200 --> 00:17:48,634
FROM PLUTO AND WILL NOW

404
00:17:48,634 --> 00:17:50,135
RENDEZVOUS WITH AN OBJECT DEEPER

405
00:17:50,135 --> 00:17:50,569
WITHIN THE BELT.

406
00:17:50,569 --> 00:17:52,671
THE STUNNING IMAGES AND

407
00:17:52,671 --> 00:17:54,339
IMPORTANT SCIENTIFIC DATA SENT

408
00:17:54,339 --> 00:17:56,375
TO US BY NEW HORIZONS HAS

409
00:17:56,375 --> 00:17:58,076
FUNDAMENTALLY CHANGED THE WAY WE

410
00:17:58,076 --> 00:18:01,847
VIEW THE ICE DWARF AND ITS NEWLY

411
00:18:01,847 --> 00:18:03,549
DISCOVERED MOONS.

412
00:18:03,549 --> 00:18:07,352
IN SEPTEMBER, NASA LAUNCHED THE

413
00:18:07,352 --> 00:18:09,254

OSIRUS REX SAMPLING SPACECRAFT

414

00:18:09,254 --> 00:18:10,789

THAT WILL RENDEZVOUS WITH THE

415

00:18:10,789 --> 00:18:14,526

ASTEROID AND RETURN A SAMPLE IN

416

00:18:14,526 --> 00:18:14,693

2023.

417

00:18:14,693 --> 00:18:16,862

NASA ALSO APPROVED THE ASTEROID

418

00:18:16,862 --> 00:18:19,231

REDIRECT MISSION'S NEXT PHASE OF

419

00:18:19,231 --> 00:18:23,735

ROBOTIC DESIGN AND DEVELOPMENT.

420

00:18:23,735 --> 00:18:26,205

LAUNCHED IN 2011, THE JUNO

421

00:18:26,205 --> 00:18:27,306

SPACECRAFT ARRIVED AT JUPITER ON

422

00:18:27,306 --> 00:18:30,008

THE 4th OF JULY TO STUDY THE

423

00:18:30,008 --> 00:18:33,912

ORIGINS OF THE GAS GIANT.

424

00:18:33,912 --> 00:18:35,514

JUNO WILL MEASURE JUPITER'S

425

00:18:35,514 --> 00:18:37,382

ATMOSPHERE, MAP ITS MAGNETIC AND

426

00:18:37,382 --> 00:18:41,887

GRAVITY FIELDS AND STUDY THE

427

00:18:41,887 --> 00:18:44,223

MAGNET O SPHERE NEAR JUPITER'S

428

00:18:44,223 --> 00:18:46,925

POLES AND FINALLY THE KEPLER

429

00:18:46,925 --> 00:18:48,594

MISSION HAS VERIFIED THOUSANDS

430

00:18:48,594 --> 00:18:50,262

OF ADDITIONAL NEW EXOPLANETS,

431

00:18:50,262 --> 00:18:50,496

MANY OF WHICH ARE CONSIDERED

432

00:18:50,496 --> 00:18:54,833

EARTH-LIKE.

433

00:18:54,833 --> 00:18:56,935

TONIGHT, AS ROBOTIC EXPLORERS

434

00:18:56,935 --> 00:18:58,303

ROAM THE SURFACE OF A

435

00:18:58,303 --> 00:18:59,805

NEIGHBORING PLANET AND PROBE THE

436

00:18:59,805 --> 00:19:02,241

OUTER REACHES OF OUR SOLAR

437

00:19:02,241 --> 00:19:04,142

SYSTEM, AND HUMAN EXPLORERS

438

00:19:04,142 --> 00:19:05,244

CONTINUE RESEARCH AND SCIENCE

439

00:19:05,244 --> 00:19:06,645

JUST 300 MILES ABOVE THE SURFACE

440

00:19:06,645 --> 00:19:10,649

OF OUR PLANET, WE PAUSE TO

441

00:19:10,649 --> 00:19:12,918

RECOGNIZE AND HONOR A VISIONARY

442

00:19:12,918 --> 00:19:14,586

ASTRONAUT FOR HIS COURAGE AND

443

00:19:14,586 --> 00:19:17,589

COMMITMENT TO REACHING OUR GOALS

444

00:19:17,589 --> 00:19:18,423

IN SPACE.

445

00:19:18,423 --> 00:19:20,926

JOHN GRUNSFELD'S FIVE SHUTTLE

446

00:19:20,926 --> 00:19:22,928

FLIGHTS INCLUDED WORK WITH THE

447

00:19:22,928 --> 00:19:24,930

ULTRAVIOLET TELESCOPES OF THE

448

00:19:24,930 --> 00:19:27,065

ASTRAL OBSERVATORY AND SERVICING

449

00:19:27,065 --> 00:19:29,434

MISSIONS TO THE HUBBLE SPACE

450

00:19:29,434 --> 00:19:30,903

TELESCOPE, TRULY REALIZING THE

451
00:19:30,903 --> 00:19:33,772
POTENTIAL OF MANKIND'S INVENTION

452
00:19:33,772 --> 00:19:37,276
OF THE TELESCOPE.

453
00:19:37,276 --> 00:19:37,376
WE ALSO CELEBRATE THE

454
00:19:37,376 --> 00:19:38,410
ACCOMPLISHMENTS OF THOSE

455
00:19:38,410 --> 00:19:39,611
DEDICATED MEN AND WOMEN WHO

456
00:19:39,611 --> 00:19:42,481
DARED TO PUSH THE BOUNDARIES OF

457
00:19:42,481 --> 00:19:44,550
SPACE EXPLORATION, WHOSE

458
00:19:44,550 --> 00:19:45,484
CONTRIBUTIONS HAVE PAVED THE WAY

459
00:19:45,484 --> 00:19:48,453
FOR THE GENERATIONS TO FOLLOW,

460
00:19:48,453 --> 00:19:52,057
TURNING OUR DREAMS TO DESTINY.

461
00:19:52,057 --> 00:19:52,858
LADIES AND GENTLEMEN, PLEASE

462
00:19:52,858 --> 00:19:55,427
WELCOME YOUR MASTER OF

463
00:19:55,427 --> 00:20:03,268

CEREMONIES, MR. MILES O'BRIEN.

464

00:20:03,268 --> 00:20:05,304

>> HELLO, HOUSTON.

465

00:20:05,304 --> 00:20:10,108

IT IS GOOD TO BE BACK AGAIN AND

466

00:20:10,108 --> 00:20:11,243

AGAIN AND AGAIN.

467

00:20:11,243 --> 00:20:12,811

YOU AREN'T SICK OF ME YET, HUH?

468

00:20:12,811 --> 00:20:14,479

ONE OF US NEEDS TO GET A NEW

469

00:20:14,479 --> 00:20:18,050

AGENT, BECAUSE HERE I AM ON MY

470

00:20:18,050 --> 00:20:18,550

NINTH AND RECORD-SETTING MC FOR

471

00:20:18,550 --> 00:20:19,451

THIS EVENT.

472

00:20:19,451 --> 00:20:20,819

I GUESS YOU COULD CALL ME --

473

00:20:23,055 --> 00:20:21,720

THANK YOU.

474

00:20:23,055 --> 00:20:25,657

I AM THE -- I'M THE PEGGY WITSON

475

00:20:25,657 --> 00:20:27,593

OF MCs HERE.

476
00:20:27,593 --> 00:20:29,661
I'VE BEEN DOING THIS EVENT SINCE

477
00:20:29,661 --> 00:20:31,129
WE BEGAN AT THE WAFFLE HOUSE IN

478
00:20:31,129 --> 00:20:34,499
WEBSTER AS YOU MAY RECALL.

479
00:20:34,499 --> 00:20:36,602
IT'S BEEN SO LONG, IT'S ONE ARM

480
00:20:36,602 --> 00:20:39,571
AGO FOR ME.

481
00:20:39,571 --> 00:20:40,138
TOO SOON?

482
00:20:40,138 --> 00:20:43,208
IS IT STILL TOO SOON FOR THAT?

483
00:20:43,208 --> 00:20:44,643
ACTUALLY, WHEN I STARTED DOING

484
00:20:44,643 --> 00:20:45,811
THIS, BILL SHEPARD WAS STILL

485
00:20:45,811 --> 00:20:47,913
LEARNING HOW TO KILL A MAN WITH

486
00:20:47,913 --> 00:20:51,249
HIS BARE HANDS 16 DIFFERENT

487
00:20:51,249 --> 00:20:51,383
WAYS.

488
00:20:51,383 --> 00:20:53,251

LELAND MELVIN WAS NURSING A

489

00:20:53,251 --> 00:20:54,586

TENDER HAMSTRING WHILE HE WAS

490

00:20:54,586 --> 00:20:56,788

TRYING OUT FOR THE COWBOYS.

491

00:20:56,788 --> 00:20:57,856

SCOTT WAS SHOPPING FOR A

492

00:20:57,856 --> 00:20:59,858

SURGEON, SEEKING A HEIGHT

493

00:20:59,858 --> 00:21:01,093

REDUCTION SO HE COULD SQUEEZE

494

00:21:01,093 --> 00:21:03,128

INTO A SOYU SEAT.

495

00:21:03,128 --> 00:21:05,831

WENDY LAWRENCE WAS TRYING TO

496

00:21:05,831 --> 00:21:08,100

STRUGGLE IN A DOCTORED TAPE

497

00:21:08,100 --> 00:21:08,967

MEASURER SO HE COULD FIT IN.

498

00:21:08,967 --> 00:21:11,670

SHE NEEDED AN EXTRA HALF INCH.

499

00:21:11,670 --> 00:21:13,405

IN THOSE DAYS, WOODPECKERS

500

00:21:13,405 --> 00:21:16,008

SEEMED TO LOVE THE SPACE SHUTTLE

501
00:21:16,008 --> 00:21:16,875
AS MUCH AS ALL OF US IN THE

502
00:21:16,875 --> 00:21:17,142
ROOM.

503
00:21:17,142 --> 00:21:19,044
STEVE HOLLY HAD TO SHOW UP WITH

504
00:21:19,044 --> 00:21:20,479
A BAG OVER HIS HEAD FOR FEAR

505
00:21:20,479 --> 00:21:22,180
THAT HIS EPIC LAUNCH SCRUB HEX

506
00:21:22,180 --> 00:21:23,148
WOULD CONTINUE.

507
00:21:23,148 --> 00:21:26,351
UP IN SPACE, THE SPACE STATION

508
00:21:26,351 --> 00:21:29,054
MIR WAS TUMBLING, BURNING,

509
00:21:29,054 --> 00:21:30,656
LEAKING AND BRIMMING WITH JUNK

510
00:21:30,656 --> 00:21:33,558
AS WELL AS CO2 AND I WAS

511
00:21:33,558 --> 00:21:35,560
GRILLING POOR FRANK CULLERSON ON

512
00:21:35,560 --> 00:21:36,862
A DAILY BASIS ON CNN.

513
00:21:36,862 --> 00:21:38,263

HE STILL HAS SCARS AND A TWITCH

514

00:21:38,263 --> 00:21:44,202

OVER THE WHOLE THING.

515

00:21:44,202 --> 00:21:48,807

NOREN WAS UP THERE ON AN

516

00:21:48,807 --> 00:21:51,443

INVOLUNTARY HUNGER STRIKE WHILE

517

00:21:51,443 --> 00:21:53,879

HE WAITED FOR HIS SPICY SHRIMP

518

00:21:53,879 --> 00:21:54,379

COCKTAIL.

519

00:21:54,379 --> 00:21:55,480

IT WAS SAID AT THE TIME THAT A

520

00:21:55,480 --> 00:21:57,049

SHUTTLE WOULD ONLY BE CLEARED TO

521

00:21:57,049 --> 00:21:58,250

LAUNCH WHEN THE STACK OF PAPER

522

00:21:58,250 --> 00:21:59,484

EQUALLED OR SURPASSED THE HEIGHT

523

00:21:59,484 --> 00:22:02,020

OF THE STACK ITSELF DOCUMENTING

524

00:22:02,020 --> 00:22:04,756

THE MILLION STEPS IN THE SHUTTLE

525

00:22:04,756 --> 00:22:05,057

FLOW.

526

00:22:05,057 --> 00:22:06,858

IN FACT, I KNOW THIS FOR A FACT,

527

00:22:06,858 --> 00:22:09,928

THE ONLY STACK BIGGER SAT ON ROB

528

00:22:09,928 --> 00:22:13,465

NAVIAS'S CONSOLE IN MISSION

529

00:22:13,465 --> 00:22:13,699

CONTROL.

530

00:22:13,699 --> 00:22:15,100

SOME THINGS DON'T CHANGE.

531

00:22:15,100 --> 00:22:18,570

IN THOSE DAYS, JOHN GRUNSFELD

532

00:22:18,570 --> 00:22:21,339

WAS IN RUSSIA THINKING ABOUT

533

00:22:21,339 --> 00:22:22,908

FLYING TO THE STATION.

534

00:22:22,908 --> 00:22:25,510

WHEN HE CAME HOME TO HOUSTON, HE

535

00:22:25,510 --> 00:22:28,246

PACKED EMPTY CANS AND BOTTLES IN

536

00:22:28,246 --> 00:22:28,714

HIS SUITCASES SO HE COULD

537

00:22:28,714 --> 00:22:29,214

RECYCLE THEM.

538

00:22:29,214 --> 00:22:30,649

THAT'S NOT A JOKE.

539

00:22:30,649 --> 00:22:32,084

THAT'S TRUE.

540

00:22:32,084 --> 00:22:33,318

ANYWAY, GRUNSFELD EVENTUALLY

541

00:22:33,318 --> 00:22:35,187

SAID NYET TO RUSSIAN, OR MAYBE

542

00:22:35,187 --> 00:22:36,354

IT WAS THE OTHER WAY AROUND, AND

543

00:22:36,354 --> 00:22:37,756

THE REST IS HISTORY.

544

00:22:37,756 --> 00:22:40,292

HE CAME BACK TO BECOME THE WORLD

545

00:22:40,292 --> 00:22:43,328

FAMOUS HUBBLE REPAIRMAN.

546

00:22:43,328 --> 00:22:45,030

SO, WHAT NEXT, COLUMBUS?

547

00:22:45,030 --> 00:22:46,498

HOW DO YOU WRITE A NEW CHAPTER

548

00:22:46,498 --> 00:22:48,767

AFTER THAT ONE?

549

00:22:48,767 --> 00:22:51,303

JOHN HAS BEEN TIRELESSLY DRIVING

550

00:22:51,303 --> 00:22:53,505

HIS PRIUS AROUND THE COUNTRY

551
00:22:53,505 --> 00:22:55,073
WELL BELOW THE SPEED LIMIT SO

552
00:22:55,073 --> 00:22:57,109
THE ENGINE NEVER KICKS IN,

553
00:22:57,109 --> 00:22:59,211
TRYING TO ANSWER THAT QUESTION.

554
00:22:59,211 --> 00:23:01,379
IT'S A LONG WAY FROM THE

555
00:23:01,379 --> 00:23:04,149
CORVETTE DAYS OF "THE RIGHT

556
00:23:04,149 --> 00:23:04,916
STUFF," RIGHT?

557
00:23:04,916 --> 00:23:06,351
HE THOUGHT ABOUT THAT DAY WHEN

558
00:23:06,351 --> 00:23:07,819
HE WAS AT THE WHITE HOUSE AND

559
00:23:07,819 --> 00:23:09,254
PRESIDENT OBAMA TOLD THE CROWD

560
00:23:09,254 --> 00:23:12,390
NOT TO CONFUSE HIM WITH THE

561
00:23:12,390 --> 00:23:13,492
MAYTAG REPAIRMAN.

562
00:23:13,492 --> 00:23:14,626
NOW, JOHN MISUNDERSTOOD THAT.

563
00:23:14,626 --> 00:23:16,661

HE THOUGHT THAT WAS AN ORDER

564

00:23:16,661 --> 00:23:17,195

FROM THE COMMANDER IN CHIEF.

565

00:23:17,195 --> 00:23:18,697

HE TRIED IT FOR A WHILE, BUT THE

566

00:23:18,697 --> 00:23:19,931

PROBLEM WAS HE GOT FIRED BECAUSE

567

00:23:19,931 --> 00:23:23,201

HE INSISTED ON REPAIRING THE

568

00:23:23,201 --> 00:23:25,403

APPLIANCES IN A SWIMMING POOL

569

00:23:25,403 --> 00:23:25,871

UNDER WATER.

570

00:23:25,871 --> 00:23:27,038

DIDN'T GO WELL.

571

00:23:27,038 --> 00:23:29,574

SO, HE MOVED ON TO BEING AN

572

00:23:29,574 --> 00:23:30,408

AUTO MECHANIC.

573

00:23:30,408 --> 00:23:32,878

HE TRIED HIS HANDS AT THAT BUT

574

00:23:32,878 --> 00:23:34,446

HE KEPT WORKING ON ENGINES THAT

575

00:23:34,446 --> 00:23:38,183

WORKED REALLY WELL, FULL BLAST,

576
00:23:38,183 --> 00:23:38,517
FOR 8 AND A HALF MINUTES, AND

577
00:23:38,517 --> 00:23:40,085
THEN THEY'D SHUT OFF.

578
00:23:40,085 --> 00:23:41,319
PEOPLE APPARENTLY DID NOT LIKE

579
00:23:41,319 --> 00:23:43,155
THE MEKO FEATURE WHEN HE WAS

580
00:23:43,155 --> 00:23:44,890
TRYING TO PATENT.

581
00:23:44,890 --> 00:23:46,458
SO HE REMEMBERED HOW MUCH HE

582
00:23:46,458 --> 00:23:47,692
ENJOYED THE VIEW ON HIS WORK

583
00:23:47,692 --> 00:23:48,994
SITE IN ORBIT.

584
00:23:48,994 --> 00:23:51,496
HE TOOK A JOB WASHING WINDOWS AT

585
00:23:51,496 --> 00:23:54,499
TRUMP TOWER IN MIDTOWN

586
00:23:54,499 --> 00:23:54,633
MANHATTAN.

587
00:23:54,633 --> 00:23:55,634
I DON'T KNOW IF YOU'VE HEARD,

588
00:23:55,634 --> 00:24:00,005

BUT IT'S HUGE.

589

00:24:00,005 --> 00:24:01,173

AFTER THE ELECTION,

590

00:24:01,173 --> 00:24:02,874

UNFORTUNATELY, HE WAS FORCED TO

591

00:24:02,874 --> 00:24:04,810

TENDER HIS RESIGNATION, HAVING

592

00:24:04,810 --> 00:24:07,279

BEEN AT THE OBAMA WHITE HOUSE AT

593

00:24:07,279 --> 00:24:07,846

ALL.

594

00:24:11,216 --> 00:24:08,446

SAD.

595

00:24:11,216 --> 00:24:12,751

SO, HE HAD ANOTHER IDEA.

596

00:24:12,751 --> 00:24:14,886

GET A LITTLE CLOSER TO HIS

597

00:24:14,886 --> 00:24:16,354

ASTROPHYSICS ROOTS, HE WENT TO A

598

00:24:16,354 --> 00:24:19,758

HOBBY SHOP AND TRIED HIS JOB --

599

00:24:19,758 --> 00:24:24,362

TRIED HIS HAND AT SELLING

600

00:24:24,362 --> 00:24:25,931

CELESTRON TELESCOPES BUT THAT

601
00:24:25,931 --> 00:24:27,365
DIDN'T WORK OUT EITHER BECAUSE

602
00:24:27,365 --> 00:24:28,433
HE KEPT TRYING TO CONVINCING

603
00:24:28,433 --> 00:24:29,534
PEOPLE LIKE THAT TO BUY A

604
00:24:29,534 --> 00:24:30,602
PACKAGE OF HOME SERVICING

605
00:24:30,602 --> 00:24:32,771
MISSIONS AND PEOPLE GOT A LITTLE

606
00:24:32,771 --> 00:24:34,439
CREEPED OUT BY IT.

607
00:24:34,439 --> 00:24:36,274
ALL OF THIS LED HIM TO THE BRINK

608
00:24:36,274 --> 00:24:39,344
OF DESPAIR AND ULTIMATELY A

609
00:24:39,344 --> 00:24:40,111
DESPERATION MOVE.

610
00:24:40,111 --> 00:24:43,114
MY SOURCES AT THE GODDARD SPACE

611
00:24:43,114 --> 00:24:44,216
FLIGHT CENTER SENT ME THESE

612
00:24:44,216 --> 00:24:45,917
SECURITY CAMERA IMAGES AT THE

613
00:24:45,917 --> 00:24:49,020

JAMES WEBB TELESCOPE.

614

00:24:49,020 --> 00:24:50,388

THE STOW AWAY TEAM WAS FOILED,

615

00:24:50,388 --> 00:24:51,089

FORTUNATELY.

616

00:24:51,089 --> 00:24:53,892

THE JUDGE SENTENCED HIM TO LIFE

617

00:24:53,892 --> 00:24:57,195

SENTENCE OF HARD TIME IN 1 G,

618

00:24:57,195 --> 00:25:00,665

FORCING HIM TO ABIDE BY NEWTON'S

619

00:25:00,665 --> 00:25:01,900

LAWS HERE FORTH.

620

00:25:01,900 --> 00:25:03,001

OF COURSE THE TRUTH IS, THE

621

00:25:03,001 --> 00:25:04,436

HONEST TO GOODNESS TRUTH IS JOHN

622

00:25:04,436 --> 00:25:05,737

IS A NATIONAL TREASURE WHO

623

00:25:05,737 --> 00:25:08,607

HELPED MAKE THIS COUNTRY GREAT

624

00:25:08,607 --> 00:25:10,242

LONG BEFORE THAT WAS A CAMPAIGN

625

00:25:10,242 --> 00:25:13,245

SLOGAN, AND WE THANK HIM FOR

626
00:25:13,245 --> 00:25:15,680
THAT, AND I AM PROUD THAT I GOT

627
00:25:15,680 --> 00:25:17,749
GIVE HIM ONE OF MANY ROUNDS OF

628
00:25:17,749 --> 00:25:18,383
APPLAUSE WE GIVE HIM TONIGHT FOR

629
00:25:18,383 --> 00:25:24,489
HIS ACCOMPLISHMENTS.

630
00:25:24,489 --> 00:25:27,192
AND NOW TONIGHT, WE HONOR JOHN

631
00:25:27,192 --> 00:25:28,693
AS WELL AS MANY INDIVIDUALS WHO

632
00:25:28,693 --> 00:25:30,128
HAVE MADE OUTSTANDING

633
00:25:30,128 --> 00:25:31,863
CONTRIBUTIONS TO OUR SPACE

634
00:25:31,863 --> 00:25:32,130
PROGRAM.

635
00:25:32,130 --> 00:25:35,233
OUR STELLAR AWARDS GO TO 25

636
00:25:35,233 --> 00:25:36,635
INDIVIDUALS IN SEVEN TEAMS, ALL

637
00:25:36,635 --> 00:25:38,603
THE STELLAR NOMINEES ARE LISTED

638
00:25:38,603 --> 00:25:39,304

IN YOUR PROGRAM.

639

00:25:39,304 --> 00:25:41,172

IF YOU SEE THEM, CONGRATULATE

640

00:25:41,172 --> 00:25:41,306

THEM.

641

00:25:41,306 --> 00:25:44,743

I DO WANT TO POINT OUT THAT JOHN

642

00:25:44,743 --> 00:25:46,978

GRUNSFELD IS THE 31st WINNER OF

643

00:25:46,978 --> 00:25:48,747

THE SPACE TROPHY.

644

00:25:48,747 --> 00:25:52,050

OUR SPACE COMMUNICATOR AWARD EE

645

00:25:52,050 --> 00:25:53,318

IS ONLY THE 11th RECIPIENT.

646

00:25:53,318 --> 00:25:56,922

SO I ASK YOU, WHICH AWARD IS

647

00:25:56,922 --> 00:25:58,290

MORE PRESTIGIOUS?

648

00:25:58,290 --> 00:25:59,591

JUST THROWING THAT OUT THERE.

649

00:25:59,591 --> 00:26:02,827

THE IDEA WAS HATCHED BY A MAN

650

00:26:02,827 --> 00:26:04,362

WHO YOU'RE ABOUT TO HEAR FROM.

651
00:26:04,362 --> 00:26:07,565
HIS DAD AND HIS SKY LAB CREW

652
00:26:07,565 --> 00:26:09,834
MATES ONCE HELD THE ENDURANCE

653
00:26:09,834 --> 00:26:11,603
RECORD THAT PEGGY WITSON JUST

654
00:26:11,603 --> 00:26:11,736
GRABBED.

655
00:26:11,736 --> 00:26:15,040
FOR THEM, IT WAS 81 DAYS BUT

656
00:26:15,040 --> 00:26:17,042
THEIR DRIED POOP, STILL STORED

657
00:26:17,042 --> 00:26:20,011
IN HOUSTON NEAR THE MOON ROCKS

658
00:26:20,011 --> 00:26:20,111
HAS SET SOME OTHER KIND OF

659
00:26:20,111 --> 00:26:20,378
RECORD.

660
00:26:20,378 --> 00:26:21,313
I DON'T KNOW WHAT IT IS, BUT

661
00:26:21,313 --> 00:26:22,814
IT'S STILL THERE.

662
00:26:22,814 --> 00:26:24,082
LADIES AND GENTLEMEN, A GREAT

663
00:26:24,082 --> 00:26:24,449

SPACE COMMUNICATOR HIMSELF, JEFF

664

00:26:24,449 --> 00:26:32,590

CARR.

665

00:26:32,590 --> 00:26:39,197

■■

666

00:26:39,197 --> 00:26:42,968

>> SO, THANKS, MILES, I THINK.

667

00:26:42,968 --> 00:26:46,071

I CAN'T TELL YOU HOW PLEASED I

668

00:26:46,071 --> 00:26:48,106

AM THAT CHRIS HADFIELD COULDN'T

669

00:26:48,106 --> 00:26:49,374

BE HERE TONIGHT.

670

00:26:49,374 --> 00:26:51,509

I LIKE CHRIS, BUT OTHERWISE, I

671

00:26:51,509 --> 00:26:54,379

WOULD NOT HAVE HAD THE HONOR OF

672

00:26:54,379 --> 00:26:55,747

INTRODUCING THE SPACE

673

00:26:55,747 --> 00:26:59,351

COMMUNICATOR WINNER THIS

674

00:26:59,351 --> 00:26:59,918

EVENING.

675

00:26:59,918 --> 00:27:00,618

WHERE'S FLOYD?

676

00:27:00,618 --> 00:27:04,089

FLOYD, BACK IN 1996, AND '97,

677

00:27:04,089 --> 00:27:06,191

WHEN WE WERE FIRST CONTEMPLATING

678

00:27:06,191 --> 00:27:07,859

THIS AWARD, IN MEMORY OF STEVEN

679

00:27:07,859 --> 00:27:09,461

GILVAIN, THE PERSON THAT WE'RE

680

00:27:09,461 --> 00:27:12,897

HONORING TONIGHT CROSSED MY MIND

681

00:27:12,897 --> 00:27:15,433

SEVERAL TIMES AS WE WERE WORKING

682

00:27:15,433 --> 00:27:17,068

THROUGH THE QUALIFICATIONS AND

683

00:27:17,068 --> 00:27:19,304

THE QUALITIES OF CANDIDATES FOR

684

00:27:19,304 --> 00:27:21,339

THIS HIGH LEVEL OF RECOGNITION.

685

00:27:21,339 --> 00:27:23,074

AND I REALLY, TRULY HOPED THAT

686

00:27:23,074 --> 00:27:27,545

MANY OF YOU WHO HAVE, YOU KNOW,

687

00:27:27,545 --> 00:27:28,313

BEEN A VETERAN ATTENDEES OF THIS

688

00:27:28,313 --> 00:27:30,749

EVENT HAVE APPRECIATED THE

689

00:27:30,749 --> 00:27:31,716

QUALITY OF WINNERS THAT WE HAVE

690

00:27:31,716 --> 00:27:33,718

BROUGHT TO THIS PROGRAM OVER THE

691

00:27:33,718 --> 00:27:35,553

PAST 20 YEARS, INCLUDING

692

00:27:35,553 --> 00:27:39,090

HOUSEHOLD NAMES LIKE MILES

693

00:27:39,090 --> 00:27:42,027

O'BRIEN, LIKE NEIL DeGRASSE

694

00:27:42,027 --> 00:27:45,196

TYSON, BILL NYE THE SCIENCE GUY.

695

00:27:45,196 --> 00:27:45,330

WE'VE ALSO RECOGNIZED LEADERS

696

00:27:45,330 --> 00:27:47,265

AND INNOVATORS FROM NASA AND

697

00:27:47,265 --> 00:27:53,238

INDUSTRY LIKE ELLIOT PULLHAN AND

698

00:27:53,238 --> 00:27:55,840

VERONICA McGREGOR, MEDIA

699

00:27:55,840 --> 00:27:58,343

STANDOUTS AND OF COURSE OUR

700

00:27:58,343 --> 00:28:01,212

ASTRONAUT POST HIMSELF, CHRIS

701
00:28:01,212 --> 00:28:02,347
HADFIELD, WHO WON THIS AWARD TWO

702
00:28:02,347 --> 00:28:04,549
YEARS AGO AND NOMINATED OUR

703
00:28:04,549 --> 00:28:08,053
WINNER THIS EVENING.

704
00:28:08,053 --> 00:28:11,322
TONIGHT'S HONOREE, ROB NAVIAS,

705
00:28:11,322 --> 00:28:14,059
FITS THIS AWARD TO A TEE.

706
00:28:14,059 --> 00:28:15,026
THROUGHOUT HIS CAREER AS A

707
00:28:15,026 --> 00:28:17,996
JOURNALIST AND AS A PROFESSIONAL

708
00:28:17,996 --> 00:28:20,165
SPOKESPERSON, ROB HAS FOUND

709
00:28:20,165 --> 00:28:21,299
HIMSELF IN FRONT ROW SEATS TO

710
00:28:21,299 --> 00:28:23,134
SOME OF THE MOST DRAMATIC,

711
00:28:23,134 --> 00:28:24,469
IMPACTFUL STORIES OF OUR TIMES.

712
00:28:24,469 --> 00:28:27,305
AND FROM HIS BEGINNING AS A CUB

713
00:28:27,305 --> 00:28:29,574

REPORTER, HE RECOGNIZED AND

714

00:28:29,574 --> 00:28:31,276

READILY ACCEPTED THE

715

00:28:31,276 --> 00:28:32,343

RESPONSIBILITY TO CONNECT OTHERS

716

00:28:32,343 --> 00:28:35,413

WITH THESE KEY MOMENTS IN TIME,

717

00:28:35,413 --> 00:28:37,315

ACCURATELY, HONESTLY, AND WITH

718

00:28:37,315 --> 00:28:38,149

INTEGRITY.

719

00:28:38,149 --> 00:28:41,586

AND OVER THE YEARS, ROB HAS

720

00:28:41,586 --> 00:28:44,055

DEVELOPED A RICH TALENT FOR

721

00:28:44,055 --> 00:28:45,490

TELLING A STORY AND VERY

722

00:28:45,490 --> 00:28:47,392

COMPELLING BUT CONCISE TERMS AND

723

00:28:47,392 --> 00:28:48,493

I THINK THAT'S REALLY ROB'S

724

00:28:48,493 --> 00:28:52,564

CALLING CARD, HIS TRADEMARK.

725

00:28:52,564 --> 00:28:53,631

YOU KNOW, WHEN I HAD THE

726
00:28:53,631 --> 00:28:55,667
OPPORTUNITY TO HIRE ROB BACK IN,

727
00:28:55,667 --> 00:28:58,069
WAS IT '93?

728
00:28:58,069 --> 00:28:58,636
YEAH.

729
00:28:58,636 --> 00:29:00,505
WE WERE LOOKING FOR WAYS TO

730
00:29:00,505 --> 00:29:01,706
IMPROVE THE STORY TELLING

731
00:29:01,706 --> 00:29:03,408
QUALITY OF COMMENTARY.

732
00:29:03,408 --> 00:29:05,877
AND OTHER WAYS TO BETTER CONNECT

733
00:29:05,877 --> 00:29:07,412
WITH THE PUBLIC.

734
00:29:07,412 --> 00:29:09,114
THINGS LIKE BROADCAST

735
00:29:09,114 --> 00:29:10,682
INNOVATIONS WITH NASA

736
00:29:10,682 --> 00:29:11,716
TELEVISION, EDUCATIONAL

737
00:29:11,716 --> 00:29:13,151
PROGRAMS, AND WE REALLY, REALLY

738
00:29:13,151 --> 00:29:14,686

NEEDED TO SHAKE THINGS UP.

739

00:29:14,686 --> 00:29:18,890

WE REALLY NEEDED TO SET THE BAR

740

00:29:18,890 --> 00:29:20,658

HIGHER, AND ROB WAS THE GUY.

741

00:29:20,658 --> 00:29:23,161

ROB WAS THE GUY WE NEEDED.

742

00:29:23,161 --> 00:29:25,897

AND HE WAS -- HE WAS INTERESTED

743

00:29:25,897 --> 00:29:27,499

AND, YOU KNOW, WE TOOK THE

744

00:29:27,499 --> 00:29:28,933

OPPORTUNITY TO BRING HIM ON

745

00:29:28,933 --> 00:29:29,100

BOARD.

746

00:29:29,100 --> 00:29:30,735

I HAVE TO SAY, THOUGH, THAT IT

747

00:29:30,735 --> 00:29:35,707

WAS NOT A POPULAR PICK WITH

748

00:29:35,707 --> 00:29:37,575

EVERYONE.

749

00:29:37,575 --> 00:29:39,444

YOU KNOW, I STILL STAND ACCUSED

750

00:29:39,444 --> 00:29:41,279

BY SOME TODAY, PROBABLY IN THIS

751
00:29:41,279 --> 00:29:44,115
ROOM, OF HIRING ROB AS A RINGER

752
00:29:44,115 --> 00:29:47,619
FOR THE CHILI COOKOFF TRIVIA

753
00:29:47,619 --> 00:29:47,752
TEAM.

754
00:29:47,752 --> 00:29:49,487
AND THAT'S TRUE, ROB.

755
00:29:49,487 --> 00:29:52,724
I'M SORRY.

756
00:29:52,724 --> 00:29:53,358
BUT OBVIOUSLY, THAT WASN'T THE

757
00:29:53,358 --> 00:29:53,825
ONLY REASON.

758
00:29:53,825 --> 00:29:55,326
YOU KNOW, THERE ARE A NUMBER OF

759
00:29:55,326 --> 00:29:56,861
US WHO HAVE HAD THE PRIVILEGE

760
00:29:56,861 --> 00:30:07,105
AND THE HONOR OF SERVING AS

761
00:30:07,105 --> 00:30:08,873
COMMENTATORS IN MISSION CONTROL

762
00:30:08,873 --> 00:30:10,241
OVER THE YEARS BUT VERY FEW OF

763
00:30:10,241 --> 00:30:12,277

US HAVE EARNED THE ICONIC STATUS

764

00:30:12,277 --> 00:30:13,945

OF THE VOICE OF MISSION CONTROL.

765

00:30:13,945 --> 00:30:15,513

THERE WERE THOSE DISTINCTIVE AND

766

00:30:15,513 --> 00:30:16,581

MEMORABLE VOICES FROM THE PAST

767

00:30:16,581 --> 00:30:21,085

LIKE SHORTY POWERS, JACK KING,

768

00:30:21,085 --> 00:30:24,055

JOHN McLEASH, JACK RILEY, DOUG

769

00:30:24,055 --> 00:30:25,056

WARD AND OTHERS THAT FOLLOWED

770

00:30:25,056 --> 00:30:26,257

THROUGHOUT THE SHUTTLE PROGRAM,

771

00:30:26,257 --> 00:30:27,492

INCLUDING MYSELF, WHO ALL

772

00:30:27,492 --> 00:30:30,461

CONTRIBUTED UNIQUELY TO THIS

773

00:30:30,461 --> 00:30:33,698

PROCESS OF STORY TELLING AND

774

00:30:33,698 --> 00:30:34,866

SHARING HUMAN SPACE FLIGHT WITH

775

00:30:34,866 --> 00:30:35,300

THE PUBLIC.

776

00:30:35,300 --> 00:30:38,303

BUT IF YOU EVER LISTEN TO ROB

777

00:30:38,303 --> 00:30:41,406

CALL A LAUNCH OR A LANDING, IT'S

778

00:30:41,406 --> 00:30:43,408

NOT JUST THE VOICE YOU'LL

779

00:30:43,408 --> 00:30:43,541

REMEMBER.

780

00:30:43,541 --> 00:30:45,677

YOU WILL REMEMBER THE VOICE.

781

00:30:45,677 --> 00:30:49,080

I PROMISE YOU THAT.

782

00:30:49,080 --> 00:30:51,916

BUT YOU'LL ALSO REMEMBER THE

783

00:30:51,916 --> 00:30:52,350

MISSION.

784

00:30:52,350 --> 00:30:54,586

YOU'LL ALSO REMEMBER THE CREW,

785

00:30:54,586 --> 00:30:56,054

AND YOU MIGHT REMEMBER MOST OF

786

00:30:56,054 --> 00:30:57,422

THINGS THAT OCCURRED ON THE WAY

787

00:30:57,422 --> 00:31:02,594

UPHILL OR ON THE WAY BACK.

788

00:31:02,594 --> 00:31:05,897

BECAUSE ROB -- ROB WAS A STORY

789

00:31:05,897 --> 00:31:08,233

TELLER, AND HE SHARED THIS

790

00:31:08,233 --> 00:31:09,667

PROGRAM IN TERMS THAT PEOPLE

791

00:31:09,667 --> 00:31:11,236

COULD EMBRACE.

792

00:31:11,236 --> 00:31:15,173

HIS PASSION, HIS PRECISION, AND

793

00:31:15,173 --> 00:31:17,442

HIS GIFT FOR SHARING THE HUMAN

794

00:31:17,442 --> 00:31:18,843

SPACE FLIGHT EXPERIENCE ARE

795

00:31:18,843 --> 00:31:20,578

ABSOLUTELY SECOND TO NONE.

796

00:31:20,578 --> 00:31:22,347

HIS IMPACT ON PUBLIC AWARENESS

797

00:31:22,347 --> 00:31:24,782

AND UNDERSTANDING OF HUMAN SPACE

798

00:31:24,782 --> 00:31:25,049

FLIGHT ARE IMMEASURABLE.

799

00:31:25,049 --> 00:31:28,686

LET'S TAKE A LOOK.

800

00:31:50,975 --> 00:31:46,070

■■

801
00:31:50,975 --> 00:31:53,144
>> THIS IS MISSION CONTROL

802
00:31:53,144 --> 00:31:53,278
HOUSTON.

803
00:31:53,278 --> 00:31:56,047
IT HAS BEEN JUST OVER AN HOUR

804
00:31:56,047 --> 00:31:58,816
SINCE ATLANTIS'S LANDING AT THE

805
00:31:58,816 --> 00:31:59,617
KENNEDY SPACE CENTER.

806
00:31:59,617 --> 00:32:01,319
FOR THE LAST TIME IN THIS ROOM,

807
00:32:01,319 --> 00:32:02,353
THIS IS MISSION CONTROL HOUSTON.

808
00:32:02,353 --> 00:32:12,196
■■■

809
00:32:12,196 --> 00:32:19,404
[APPLAUSE]

810
00:32:19,404 --> 00:32:22,940
>> AND WITH THE FIRST PICK IN

811
00:32:22,940 --> 00:32:25,543
THE NEXT ROUND OF THE SPACE

812
00:32:25,543 --> 00:32:26,678
COMMUNICATOR AWARD, OUR NASA

813
00:32:26,678 --> 00:32:57,608

SELECTS ROB NAVIAS.

814

00:32:57,608 --> 00:33:18,363

[APPLAUSE]

815

00:33:18,363 --> 00:33:23,101

>> HOW IS EVERYONE?

816

00:33:23,101 --> 00:33:25,036

WHAT A NIGHT.

817

00:33:25,036 --> 00:33:26,437

NEVER THOUGHT I'D EVER FOLLOW

818

00:33:26,437 --> 00:33:28,740

JEFF CARR AND SPACE POOP AT THE

819

00:33:28,740 --> 00:33:30,575

SAME TIME, BUT I FINALLY MADE IT

820

00:33:30,575 --> 00:33:33,511

TO THE BIG LEAGUES, RIGHT?

821

00:33:33,511 --> 00:33:34,445

MEMBERS OF THE RNASA FOUNDATION,

822

00:33:34,445 --> 00:33:36,180

THE ROTARY CLUB, DISTINGUISHED

823

00:33:36,180 --> 00:33:39,851

GUESTS, COLLEAGUES AND FRIENDS,

824

00:33:39,851 --> 00:33:41,919

56 YEARS AGO, A KID GROWING UP

825

00:33:41,919 --> 00:33:44,122

IN THE BRONX IN NEW YORK WENT

826
00:33:44,122 --> 00:33:45,757
SHOPPING WITH HIS FATHER TO A

827
00:33:45,757 --> 00:33:46,491
RADIO SHACK STORE.

828
00:33:46,491 --> 00:33:47,992
THAT KID RECEIVED A GIFT OF A

829
00:33:47,992 --> 00:33:51,095
SMALL TOSHIBA TRANSISTOR RADIO

830
00:33:51,095 --> 00:33:52,764
NO BIGGER THAN THE HOLSTER THAT

831
00:33:52,764 --> 00:33:54,732
HOLDS YOUR SMARTPHONE TODAY.

832
00:33:54,732 --> 00:33:57,034
THAT KID WAS ME.

833
00:33:57,034 --> 00:33:58,870
A MONTH AFTER JOHN F. KENNEDY

834
00:33:58,870 --> 00:34:01,105
WAS INAUGURATED PRESIDENT.

835
00:34:01,105 --> 00:34:02,106
THREE MONTHS LATER ON THE NIGHT

836
00:34:02,106 --> 00:34:06,577
OF APRIL 12, 1981 -- 1961, MY

837
00:34:06,577 --> 00:34:07,779
DAD, MY MOTHER AND I SAT AROUND

838
00:34:07,779 --> 00:34:09,847

THE KITCHEN TABLE IN OUR

839

00:34:09,847 --> 00:34:11,149

APARTMENT IN THE BRONX LISTENING

840

00:34:11,149 --> 00:34:15,019

TO THAT RADIO OVER DINNER AS THE

841

00:34:15,019 --> 00:34:15,753

LEGENDRY LOWELL THOMAS ANNOUNCED

842

00:34:15,753 --> 00:34:18,890

ON THE CBS RADIO NETWORK EVENING

843

00:34:18,890 --> 00:34:23,461

NEWS THAT YURI GOGARIN HAS

844

00:34:23,461 --> 00:34:24,796

LAUNCHED AS THE FIRST HUMAN IN

845

00:34:24,796 --> 00:34:25,096

SPACE.

846

00:34:25,096 --> 00:34:26,464

EVEN AT THE AGE OF 12, I

847

00:34:26,464 --> 00:34:27,165

RECOGNIZED THE POWER AND THE

848

00:34:27,165 --> 00:34:30,768

IMPACT OF THAT MOMENT.

849

00:34:30,768 --> 00:34:33,171

PARTLY THROUGH MY INSTINCTS AND

850

00:34:33,171 --> 00:34:36,407

MY LOVE FOR CURRENT EVENTS,

851
00:34:36,407 --> 00:34:37,575
PARTLY THROUGH THE WONDER OF

852
00:34:37,575 --> 00:34:38,476
RADIO, THROUGH THE WONDER OF THE

853
00:34:38,476 --> 00:34:39,076
SPOKEN WORD.

854
00:34:39,076 --> 00:34:41,345
THREE WEEKS LATER, I TOOK THAT

855
00:34:41,345 --> 00:34:43,848
TRANSISTOR RADIO TO CLASS AT PS

856
00:34:43,848 --> 00:34:45,383
86 IN THE BRONX ON A FRIDAY

857
00:34:45,383 --> 00:34:47,485
MORNING AND SAT IN THE BACK OF

858
00:34:47,485 --> 00:34:49,821
THE ROOM LISTENING TO CBS

859
00:34:49,821 --> 00:34:53,524
RADIO'S COVERAGE OF ALLAN

860
00:34:53,524 --> 00:34:54,192
SHEPARD'S RIDE ABOARD FREEDOM 7

861
00:34:54,192 --> 00:34:55,726
TO BECOME THE FIRST AMERICAN TO

862
00:34:55,726 --> 00:34:56,894
FLY IN SPACE.

863
00:34:56,894 --> 00:34:58,429

IT WAS ONLY A MONTH INTO A

864

00:34:58,429 --> 00:35:00,465

BASEBALL SEASON LIKE NO OTHER IN

865

00:35:00,465 --> 00:35:05,136

WHICH ROGER MARRIS AND MICKEY

866

00:35:05,136 --> 00:35:06,637

MANTLE BEGAN THEIR PURSUIT OF

867

00:35:06,637 --> 00:35:10,942

BABE RUTH'S HOME RUN RECORD.

868

00:35:10,942 --> 00:35:13,344

MARRIS AND MANTLE, THAT WAS THE

869

00:35:13,344 --> 00:35:13,511

DUO.

870

00:35:13,511 --> 00:35:18,516

BUT THE DERRING DO OF SHEPARD

871

00:35:18,516 --> 00:35:19,050

WAS SOMETHING ELSE.

872

00:35:19,050 --> 00:35:21,319

I WAS HOOKED ON SPACE AS IF IT

873

00:35:21,319 --> 00:35:22,920

WAS SOME EXOTIC NARCOTIC.

874

00:35:22,920 --> 00:35:25,756

I WAS JEALOUS THAT I HAD TO WAIT

875

00:35:25,756 --> 00:35:27,892

FOR WALTER CRONKITE TO REPORT

876

00:35:27,892 --> 00:35:29,360

THE NEWS EVERY NIGHT, THAT HE

877

00:35:29,360 --> 00:35:31,329

KNEW WHAT WAS GOING ON IN THE

878

00:35:31,329 --> 00:35:32,163

WORLD BEFORE I DID.

879

00:35:32,163 --> 00:35:33,598

THAT WAS THE EXOTIC NARCOTIC OF

880

00:35:33,598 --> 00:35:35,566

NEWS, JOURNALISM AND

881

00:35:35,566 --> 00:35:37,034

BROADCASTING THAT LURED ME INTO

882

00:35:37,034 --> 00:35:40,171

A CAREER I COULD HAVE NEVER

883

00:35:40,171 --> 00:35:40,972

IMAGINED POSSIBLE.

884

00:35:40,972 --> 00:35:43,541

COVERING THE PATTY HAERS

885

00:35:43,541 --> 00:35:45,076

KIDNAPPING, THE PEOPLE'S TEMPLE

886

00:35:45,076 --> 00:35:47,111

MASS SUICIDES, SAN FRANCISCO

887

00:35:47,111 --> 00:35:50,948

CITY HALL ASSASSINATIONS, FOUR

888

00:35:50,948 --> 00:35:52,650

PRESIDENTIAL CAMPAIGNS, SUPER

889

00:35:52,650 --> 00:35:54,485

BOWLS, THE SUMMER OF 1984,

890

00:35:54,485 --> 00:35:55,553

NATURAL DISASTERS, AND SPACE,

891

00:35:55,553 --> 00:35:57,255

THOSE WERE THE PUNCTUATION MARKS

892

00:35:57,255 --> 00:35:59,790

OF MY CAREER IN BROADCASTING AND

893

00:35:59,790 --> 00:36:01,225

TO ULTIMATELY BE INVOLVED IN

894

00:36:01,225 --> 00:36:03,528

COVERAGE OF THE SPACE PROGRAM

895

00:36:03,528 --> 00:36:09,166

FOR NASA, OH, FROM THE BRONX TO

896

00:36:09,166 --> 00:36:16,807

BICONOR FROM KFC TO KHAZAKSTAN,

897

00:36:16,807 --> 00:36:17,341

IT IS BETTER TO BE LUCKY THAN IT

898

00:36:17,341 --> 00:36:19,176

IS TO BE GOOD.

899

00:36:19,176 --> 00:36:20,311

INCREDIBLY, MY CAREER HAS

900

00:36:20,311 --> 00:36:21,379

SPANNED THE HEIGHTS OF HUMAN

901
00:36:21,379 --> 00:36:22,647
TRIUMPH AND THE DEPTHS OF HUMAN

902
00:36:22,647 --> 00:36:23,681
FAILURE, THE CHEERS AND THE

903
00:36:23,681 --> 00:36:25,349
TEARS OF HUMAN ENDEAVOR.

904
00:36:25,349 --> 00:36:26,784
IT IS CALLED THE SUBLIME

905
00:36:26,784 --> 00:36:29,854
SYMMETRY OF HISTORY BUT WHETHER

906
00:36:29,854 --> 00:36:31,322
TRIUMPH OR TRAGEDY, IT ALL CAME

907
00:36:31,322 --> 00:36:33,057
DOWN TO COMMUNICATING THE NEWS,

908
00:36:33,057 --> 00:36:34,392
RELAYING THE INFORMATION TO THE

909
00:36:34,392 --> 00:36:37,061
MEDIA AND TO THE PUBLIC IN VERY

910
00:36:37,061 --> 00:36:39,664
CLEAR, UNAMBIGUOUS WORDS.

911
00:36:39,664 --> 00:36:41,632
COMING FROM A WIRE SERVICE RADIO

912
00:36:41,632 --> 00:36:43,000
NETWORK BACKGROUND, YOU LEARN

913
00:36:43,000 --> 00:36:45,002

VERY QUICKLY THAT YOU, NO ONE

914

00:36:45,002 --> 00:36:48,172

ELSE BUT YOU, WERE THE SINGULAR

915

00:36:48,172 --> 00:36:50,474

AUTHORITY FOR THE DISSEMINATION

916

00:36:50,474 --> 00:36:51,309

OF INFORMATION.

917

00:36:51,309 --> 00:36:54,512

YOU HAD TO BE CORRECT.

918

00:36:54,512 --> 00:36:55,079

ALL THE TIME.

919

00:36:55,079 --> 00:36:57,315

YOU HAD TO REPORT THE FACTS AND

920

00:36:57,315 --> 00:36:59,517

LET THE PUBLIC DECIDE FOR ITSELF

921

00:36:59,517 --> 00:37:02,086

HOW TO INTERPRET THAT

922

00:37:02,086 --> 00:37:02,186

INFORMATION.

923

00:37:02,186 --> 00:37:04,822

AND MOST IMPORTANTLY, YOU COULD

924

00:37:04,822 --> 00:37:08,359

NEVER, EVER BE WRONG.

925

00:37:08,359 --> 00:37:10,061

EVEN TODAY, A HALF CENTURY AFTER

926

00:37:10,061 --> 00:37:11,896

I BEGAN MY CAREER AT A SMALL

927

00:37:11,896 --> 00:37:15,566

RADIO STATION IN BRIDGE PORT,

928

00:37:15,566 --> 00:37:16,534

RESPONSIBILITY TO REPORT

929

00:37:16,534 --> 00:37:18,603

ACCURATELY EVERY SINGLE TIME

930

00:37:18,603 --> 00:37:21,939

FOLLOWS ME AS MY BIBLE OF

931

00:37:21,939 --> 00:37:22,239

BROADCASTING.

932

00:37:22,239 --> 00:37:24,508

IN AN ERA WHERE COMMUNICATIONS

933

00:37:24,508 --> 00:37:26,110

HAS BECOME SOMEWHAT IMPERSONAL,

934

00:37:26,110 --> 00:37:28,813

THE ART OF BROADCASTING AND THE

935

00:37:28,813 --> 00:37:30,748

TABLETS OF JOURNALISM ARE

936

00:37:30,748 --> 00:37:31,782

THREATENED LIKE NEVER BEFORE.

937

00:37:31,782 --> 00:37:34,251

READING A BOOK IS PASSE.

938

00:37:34,251 --> 00:37:36,087

THE SKILLS REQUIRED TO HOLD A

939

00:37:36,087 --> 00:37:37,655

CONVERSATION WITH ANOTHER PERSON

940

00:37:37,655 --> 00:37:40,257

ARE BECOMING EXTINCT.

941

00:37:40,257 --> 00:37:43,160

WRITING IS FAST BECOMING A LOST

942

00:37:43,160 --> 00:37:43,294

ART.

943

00:37:43,294 --> 00:37:46,564

YET WE HAVE SO MANY MORE

944

00:37:46,564 --> 00:37:47,465

ADVENTURES TO TELL IN

945

00:37:47,465 --> 00:37:48,699

HUMANKIND'S ENDLESS JOURNEY TO

946

00:37:48,699 --> 00:37:50,501

THE STARS.

947

00:37:50,501 --> 00:37:52,770

TODAY, NO MORE AND NO LESS THAN

948

00:37:52,770 --> 00:37:53,938

THE SOLEMN RESPONSIBILITY I HAD

949

00:37:53,938 --> 00:37:56,073

MORE THAN A HALF CENTURY AGO TO

950

00:37:56,073 --> 00:37:57,942

TELL OTHER STORIES OF CONQUEST,

951
00:37:57,942 --> 00:38:00,111
TRIUMPH, AND TRAGEDY, WE ARE

952
00:38:00,111 --> 00:38:03,080
STILL THE STEWARDS OF THE SAME

953
00:38:03,080 --> 00:38:04,615
RESPONSIBILITY TO ENSURE THAT WE

954
00:38:04,615 --> 00:38:07,385
COMMUNICATE CLEARLY AND

955
00:38:07,385 --> 00:38:08,619
UNAMBIGUOUSLY, ARMED WITH AN

956
00:38:08,619 --> 00:38:09,887
ARSENAL OF INFORMATION WITH

957
00:38:09,887 --> 00:38:12,189
WHICH TO PROVIDE CONTEXT AND

958
00:38:12,189 --> 00:38:16,060
MEANING TO A WHOLE NEW WORLDWIDE

959
00:38:16,060 --> 00:38:18,863
WAY, HAS THE SAME THIRST FOR

960
00:38:18,863 --> 00:38:20,131
SPACE EXPLORATION AS I DID SO

961
00:38:20,131 --> 00:38:23,401
MANY DECADES AGO.

962
00:38:23,401 --> 00:38:25,736
WHEN ATLANTIS LANDED AT THE

963
00:38:25,736 --> 00:38:26,537

KENNEDY SPACE CENTER ALMOST SIX

964

00:38:26,537 --> 00:38:28,739

YEARS AGO, CLOSING OUT THE

965

00:38:28,739 --> 00:38:29,640

ICONIC SPACE SHUTTLE PROGRAM, I

966

00:38:29,640 --> 00:38:31,308

WAS PRIVILEGED TO HAVE HAD THE

967

00:38:31,308 --> 00:38:33,144

HONOR TO REPORT TO THE WORLD

968

00:38:33,144 --> 00:38:35,746

THAT SPACE SHUTTLE HAD FIRED THE

969

00:38:35,746 --> 00:38:38,516

IMAGINATION OF A GENERATION.

970

00:38:38,516 --> 00:38:40,217

DEAR FRIENDS AND COLLEAGUES,

971

00:38:40,217 --> 00:38:42,353

IT'S TIME TO LIGHT THAT FIRE

972

00:38:42,353 --> 00:38:44,722

AGAIN THROUGH WORDS THAT MATTER.

973

00:38:44,722 --> 00:38:47,692

TO CLEAR UNAMBIGUOUS

974

00:38:47,692 --> 00:38:48,459

COMMUNICATIONS, WE CANNOT ONLY

975

00:38:48,459 --> 00:38:50,294

LIGHT THAT FIRE BUT STROKE IT

976
00:38:50,294 --> 00:38:53,431
INTO A WILD FIRE OF WONDERMENT.

977
00:38:53,431 --> 00:38:55,533
JOHN F. KENNEDY TOLD US IN HIS

978
00:38:55,533 --> 00:38:57,835
INAUGURAL ADDRESS IN 1961 THAT

979
00:38:57,835 --> 00:39:00,905
THE TORCH HAS BEEN PASSED TO A

980
00:39:00,905 --> 00:39:01,405
NEW GENERATION.

981
00:39:01,405 --> 00:39:02,740
WELL, IT'S TIME TO USE THAT

982
00:39:02,740 --> 00:39:05,042
TORCH TO REIGNITE THAT FIRE FOR

983
00:39:05,042 --> 00:39:09,146
YET ANOTHER NEW GENERATION AS WE

984
00:39:09,146 --> 00:39:09,914
PUNCH THROUGH THE VEIL OF LOW

985
00:39:09,914 --> 00:39:11,682
EARTH ORBIT AND IN DOING SO, WE

986
00:39:11,682 --> 00:39:13,150
CAN TELL THE WORLD OF OUR NEW

987
00:39:13,150 --> 00:39:15,653
JOURNEY TO THE STARS.

988
00:39:15,653 --> 00:39:18,022

BUT WE MUST DO SO WITH WORDS

989

00:39:18,022 --> 00:39:20,825

THAT MATTER, CLEARLY AND

990

00:39:20,825 --> 00:39:21,158

UNAMBIGUOUSLY.

991

00:39:21,158 --> 00:39:22,993

THAT'S THE TOUCH STONE OF MY

992

00:39:22,993 --> 00:39:25,629

CAREER, THE TOUCH STONE OF SO

993

00:39:25,629 --> 00:39:28,466

MANY JOURNALISTS WHO PRECEDED ME

994

00:39:28,466 --> 00:39:30,468

AND WHO LAID THE GROUND WORK FOR

995

00:39:30,468 --> 00:39:32,403

OUR ABILITY TO USE THE FIRST

996

00:39:32,403 --> 00:39:33,237

AMENDMENT TO INFORM AND EDUCATE

997

00:39:33,237 --> 00:39:34,004

THE WORLD.

998

00:39:34,004 --> 00:39:35,439

FOR ALL THE MILES I HAVE

999

00:39:35,439 --> 00:39:36,807

TRAVELED IN THE PURSUIT OF

1000

00:39:36,807 --> 00:39:38,509

REPORTING, THERE ARE MANY, MANY

1001
00:39:38,509 --> 00:39:40,811
MORE MILES TO GO.

1002
00:39:40,811 --> 00:39:43,581
NEVER FORGET, DEAR FRIENDS, THAT

1003
00:39:43,581 --> 00:39:45,182
THE POWER OF THE SPOKEN WORD

1004
00:39:45,182 --> 00:39:46,450
THAT MOVED ME SO MUCH ON THE

1005
00:39:46,450 --> 00:39:49,920
NIGHT OF APRIL 12, 1961, REMAINS

1006
00:39:49,920 --> 00:39:52,857
THE LIFE BLOOD, THE EPICENTER OF

1007
00:39:52,857 --> 00:39:53,824
COMMUNICATIONS, WHICH IS SO

1008
00:39:53,824 --> 00:39:56,427
VERY, VERY CRUCIAL IN ALL OF OUR

1009
00:39:56,427 --> 00:39:56,560
LIVES.

1010
00:39:56,560 --> 00:39:59,497
IT MOVED ME, AND IT CAN MOVE ALL

1011
00:39:59,497 --> 00:40:01,832
OF US IN THE DAYS AND THE

1012
00:40:01,832 --> 00:40:03,768
DECADES TO COME, TO VENTURE

1013
00:40:03,768 --> 00:40:04,835

FORTH AND EXPLORE NEW WORLDS

1014

00:40:04,835 --> 00:40:06,070

THAT WE ONCE ONLY READ ABOUT IN

1015

00:40:06,070 --> 00:40:07,872

THE HISTORY BOOKS.

1016

00:40:07,872 --> 00:40:10,207

NOW, WE CAN WRITE NEW HISTORY

1017

00:40:10,207 --> 00:40:14,145

BOOKS AND ONCE AGAIN PASS THE

1018

00:40:14,145 --> 00:40:15,412

TORCH.

1019

00:40:15,412 --> 00:40:21,352

INCREDIBLE HONOR.

1020

00:40:21,352 --> 00:40:29,693

I WILL CHERISH IT FOREVER.

1021

00:40:29,693 --> 00:40:37,001

THANK YOU.

1022

00:40:37,001 --> 00:40:38,302

>> WOW.

1023

00:40:41,739 --> 00:40:40,738

WOW.

1024

00:40:41,739 --> 00:40:42,239

GEEZ.

1025

00:40:42,239 --> 00:40:43,707

ROB.

1026

00:40:43,707 --> 00:40:44,308

WHAT DO I SAY?

1027

00:40:44,308 --> 00:40:47,878

YOU KNOW, ROB IS -- ROB IS A MAN

1028

00:40:47,878 --> 00:40:48,512

OF MANY WORDS.

1029

00:40:48,512 --> 00:40:50,014

THERE ARE SO MANY WORDS AND SO

1030

00:40:50,014 --> 00:40:51,182

LITTLE TIME WHEN IT COMES TO

1031

00:40:51,182 --> 00:40:51,916

ROB, REALLY, WHEN YOU THINK

1032

00:40:51,916 --> 00:40:52,583

ABOUT IT.

1033

00:40:52,583 --> 00:40:54,518

WHEN I WAS COVERING LAUNCHES FOR

1034

00:40:54,518 --> 00:40:55,686

CNN, THAT WAS -- THOSE REMARKS

1035

00:40:55,686 --> 00:40:56,320

WERE BEAUTIFUL.

1036

00:40:56,320 --> 00:40:58,389

WHEN I WAS COVERING LAUNCHES FOR

1037

00:40:58,389 --> 00:41:02,159

CNN, THE PRODUCERS INSISTED THAT

1038

00:41:02,159 --> 00:41:04,795

I WEIGH IN AND SAY SOMETHING

1039

00:41:04,795 --> 00:41:07,097

WHENEVER THE PALN CONSOLE WOULD

1040

00:41:07,097 --> 00:41:09,633

TAKE A PAUSE OR A BREAK.

1041

00:41:09,633 --> 00:41:11,602

THE PROBLEM WITH NAVY, OF

1042

00:41:11,602 --> 00:41:12,503

COURSE, IS THAT NEVER HAPPENED

1043

00:41:12,503 --> 00:41:15,372

SO I JUST EVENTUALLY JUST GAVE

1044

00:41:15,372 --> 00:41:18,609

JUST A VIEWER LIKE ALL OF YOU,

1045

00:41:18,609 --> 00:41:21,278

AND BUT SERIOUSLY, THIS MAN IS

1046

00:41:21,278 --> 00:41:21,545

POETIC.

1047

00:41:21,545 --> 00:41:23,614

I PULLED ONE LITTLE PIECE --

1048

00:41:23,614 --> 00:41:25,683

THIS IS FROM STS 121.

1049

00:41:25,683 --> 00:41:27,484

I CAN'T DO THE FULL ROB NAVIAS.

1050

00:41:27,484 --> 00:41:29,253

WE CAN PROBABLY BRING HIM BACK

1051
00:41:29,253 --> 00:41:30,321
UP HERE FOR THIS.

1052
00:41:30,321 --> 00:41:33,524
DISCOVERY NOW FLYING ON THE

1053
00:41:33,524 --> 00:41:34,625
SINGULAR POWER OF ITS THREE

1054
00:41:34,625 --> 00:41:35,759
LIQUID FUEL MAIN ENGINES

1055
00:41:35,759 --> 00:41:37,461
DRAINING HALF A TON OF FUEL PER

1056
00:41:37,461 --> 00:41:38,262
SECOND FROM ITS FUEL TANK, ALL

1057
00:41:38,262 --> 00:41:39,997
THREE ENGINES ARE HUMMING ALONG

1058
00:41:39,997 --> 00:41:41,799
WITH THE THREE POWER-PRODUCING

1059
00:41:41,799 --> 00:41:43,167
FUEL CELLS.

1060
00:41:43,167 --> 00:41:44,535
DISCOVERY STRAIGHT AS AN ARROW,

1061
00:41:44,535 --> 00:41:46,470
SPEEDING TO A DATE WITH THE

1062
00:41:46,470 --> 00:41:48,239
INTERNATIONAL SPACE STATION ON

1063
00:41:48,239 --> 00:41:49,707

THURSDAY.

1064

00:41:49,707 --> 00:41:51,508

THAT IS FRIGGING POETRY, ROB

1065

00:41:51,508 --> 00:41:51,942

NAVIAS.

1066

00:41:51,942 --> 00:41:53,744

THAT IS FRIGGING POETRY.

1067

00:41:53,744 --> 00:41:55,479

IT JUST COMES OUT.

1068

00:41:55,479 --> 00:41:57,748

IT JUST -- IT'S JUST THERE.

1069

00:41:57,748 --> 00:41:58,649

IT'S THERE.

1070

00:41:58,649 --> 00:41:59,350

HE'S GOT MORE.

1071

00:41:59,350 --> 00:42:03,454

HE CAN DO IT ALL NIGHT LONG.

1072

00:42:03,454 --> 00:42:05,089

HE ONCE DESCRIBED THE EXTERNAL

1073

00:42:05,089 --> 00:42:07,124

FUEL TANK AS BUTTER SCOTCH

1074

00:42:07,124 --> 00:42:07,524

COLORED.

1075

00:42:07,524 --> 00:42:10,160

SO NOT ONLY COULD I NOT GET A

1076
00:42:10,160 --> 00:42:13,497
WORD IN EDGEWISE, I WAS HUNGRY.

1077
00:42:13,497 --> 00:42:14,932
BUT OF ALL THE THINGS THAT ROB

1078
00:42:14,932 --> 00:42:17,868
NAVIAS HAS SAID IN HIS ROLE AS

1079
00:42:17,868 --> 00:42:20,104
PAO AT NASA AND LORD KNOWS HE'S

1080
00:42:20,104 --> 00:42:21,505
SAID A LOT OF THINGS, WE ALL

1081
00:42:21,505 --> 00:42:23,674
KNOW HIS ALL-TIME FAVORITE LINE

1082
00:42:23,674 --> 00:42:26,677
IS PROBABLY YOURS AS WELL.

1083
00:42:26,677 --> 00:42:32,716
HOUSTON IS NOW IN CONTROL.

1084
00:42:32,716 --> 00:42:34,752
SO, WELCOME, ROB NAVIAS, TO OUR

1085
00:42:34,752 --> 00:42:35,953
ELITE BAND OF COMMUNICATORS.

1086
00:42:35,953 --> 00:42:37,721
WE ARE PROUD TO HAVE YOU IN THE

1087
00:42:37,721 --> 00:42:38,355
CLUB.

1088
00:42:38,355 --> 00:42:39,990

SECRET HANDSHAKE LESSONS OVER A

1089

00:42:39,990 --> 00:42:41,592

SINGLE MALT LATER.

1090

00:42:41,592 --> 00:42:43,260

THANK YOU, AND CONGRATULATIONS

1091

00:42:43,260 --> 00:42:43,827

TO YOU.

1092

00:42:43,827 --> 00:42:46,263

LET'S MOVE ON TO THE STELLAR

1093

00:42:46,263 --> 00:42:47,331

AWARDS, SHALL WE?

1094

00:42:47,331 --> 00:42:49,466

THE STELLAR AWARDS RECOGNIZE

1095

00:42:49,466 --> 00:42:50,601

PEOPLE BEHIND THE SCENES OF THE

1096

00:42:50,601 --> 00:42:51,535

SPACE PROGRAM WHO ARE MAKING

1097

00:42:51,535 --> 00:42:52,970

OUTSTANDING CONTRIBUTIONS TO ITS

1098

00:42:52,970 --> 00:42:54,738

SUCCESS AND WHO ARE VITAL TO THE

1099

00:42:54,738 --> 00:42:56,440

FUTURE OF THE NATION'S SPACE

1100

00:42:56,440 --> 00:42:57,074

EFFORT.

1101
00:42:57,074 --> 00:43:00,277
THIS YEAR, THERE WERE 114

1102
00:43:00,277 --> 00:43:01,779
INDIVIDUALS, 34 TEAMS FOR A

1103
00:43:01,779 --> 00:43:04,615
TOTAL OF 148 NOMINATIONS AND 23

1104
00:43:04,615 --> 00:43:06,116
DIFFERENT ORGANIZATIONS FROM

1105
00:43:06,116 --> 00:43:07,017
ACROSS INDUSTRY, NASA, AND THE

1106
00:43:07,017 --> 00:43:08,385
DEPARTMENT OF DEFENSE.

1107
00:43:08,385 --> 00:43:10,487
WE'D LIKE TO THANK OUR STELLAR

1108
00:43:10,487 --> 00:43:13,490
RANKING TEAM OF DR. GLEN LUNNY,

1109
00:43:13,490 --> 00:43:16,994
ERNIE ALDRICH, COLONEL EILEEN

1110
00:43:16,994 --> 00:43:18,862
COLLINS, CAPTAIN MIKE COATS FOR

1111
00:43:18,862 --> 00:43:23,701
THE LABORIOUS AND DIFFICULT TASK

1112
00:43:23,701 --> 00:43:24,535
OF RANKING CANDIDATES.

1113
00:43:24,535 --> 00:43:26,904

IT ALWAYS HAPPENS RIGHT AROUND

1114

00:43:26,904 --> 00:43:27,738

TAX TIME AND IT'S REALLY A PAIN

1115

00:43:27,738 --> 00:43:28,973

IN THE BUTT BUT ONLY A FEW CAN

1116

00:43:28,973 --> 00:43:30,307

BE WINNERS TONIGHT BUT THEY

1117

00:43:30,307 --> 00:43:31,675

REALLY SHOULD ALL BE

1118

00:43:31,675 --> 00:43:31,842

CONGRATULATED.

1119

00:43:31,842 --> 00:43:32,977

DO THEY HAVE RIBBONS OR

1120

00:43:32,977 --> 00:43:33,811

SOMETHING ON THEM?

1121

00:43:33,811 --> 00:43:35,145

WHATEVER IT IS, GIVE THEM A HUG

1122

00:43:35,145 --> 00:43:38,215

OR SOMETHING.

1123

00:43:38,215 --> 00:43:40,851

DO THAT.

1124

00:43:40,851 --> 00:43:41,485

LADIES AND GENTLEMEN, I'M

1125

00:43:41,485 --> 00:43:44,888

HONORED TO INVITE TWO OF OUR

1126

00:43:44,888 --> 00:43:45,990

NATION'S ASTRONAUTS TO THE

1127

00:43:45,990 --> 00:43:48,359

PODIUM TO PRESENT THE STELLAR

1128

00:43:48,359 --> 00:43:49,193

AWARDS.

1129

00:43:49,193 --> 00:43:51,595

WE ARE JOINED BY A CREW SURGEON,

1130

00:43:51,595 --> 00:43:52,696

FLIGHT ENGINEER, MISSION

1131

00:43:52,696 --> 00:43:53,897

SPECIALIST, SPACE WALKER,

1132

00:43:53,897 --> 00:43:56,300

VETERAN OF THE EXPEDITION 44 AND

1133

00:43:56,300 --> 00:43:59,103

45 WITH 141 DAYS OF SPACE, HE IS

1134

00:43:59,103 --> 00:44:02,639

THE ONLY MAN TO PLAY BAG PIPES

1135

00:44:02,639 --> 00:44:04,341

IN SPACE.

1136

00:44:04,341 --> 00:44:05,943

WE ARE TOLD, AFTER THE

1137

00:44:05,943 --> 00:44:07,745

PERFORMANCE, HIS CREW MATES

1138

00:44:07,745 --> 00:44:08,746

VOTED EITHER HE OR THE

1139

00:44:08,746 --> 00:44:12,583

INSTRUMENT HAD TO GO OUT THE AIR

1140

00:44:12,583 --> 00:44:12,616

LOCK.

1141

00:44:12,616 --> 00:44:14,218

HE IS JOINED BY A SPACE WALKER

1142

00:44:14,218 --> 00:44:17,221

AND A VETERAN OF EXPEDITION 48,

1143

00:44:17,221 --> 00:44:20,657

49, 115 DAYS IN SPACE, AND 30

1144

00:44:20,657 --> 00:44:23,994

HUGE MINUTES IN THE OVAL OFFICE.

1145

00:44:23,994 --> 00:44:29,533

PLEASE WELCOME KJELL LINDGREN

1146

00:44:29,533 --> 00:44:39,376

AND KATE RUBINS TO THE STAGE.

1147

00:44:39,376 --> 00:44:42,813

■■

1148

00:44:42,813 --> 00:44:44,415

>> THANK YOU SO MUCH.

1149

00:44:44,415 --> 00:44:47,684

YOU KNOW, MY LOVELY WIFE,

1150

00:44:47,684 --> 00:44:51,655

CHRISTY, IS A VIOLINIST AND

1151
00:44:51,655 --> 00:44:53,891
EARLY ON, SHE SHARED WITH ME A

1152
00:44:53,891 --> 00:44:54,892
PERFORMANCE SECRET AND SAID,

1153
00:44:54,892 --> 00:44:56,827
NEVER FOLLOW A BAN JO.

1154
00:44:56,827 --> 00:44:58,462
SO WE ARE FOLLOWING ROB NAVIAS

1155
00:44:58,462 --> 00:45:04,101
AND MIELS O'BRIEN, SO I THINK

1156
00:45:04,101 --> 00:45:04,368
WE'VE JUST BEEN BANJOED.

1157
00:45:04,368 --> 00:45:05,969
THIS IS REALLY FANCY.

1158
00:45:05,969 --> 00:45:07,271
IT'S KIND OF LIKE THE ACADEMY

1159
00:45:07,271 --> 00:45:09,106
AWARDS OF THE SPACE INDUSTRY.

1160
00:45:09,106 --> 00:45:10,240
AND YOU LOOK VERY NICE, KATE.

1161
00:45:10,240 --> 00:45:11,608
>> WELL, THANK YOU.

1162
00:45:11,608 --> 00:45:13,110
>> AND I THINK I'M SUPPOSED TO

1163
00:45:13,110 --> 00:45:14,178

ASK WHO ARE YOU WEARING TONIGHT?

1164

00:45:14,178 --> 00:45:17,081

>> OH, YOU KNOW, THIS OLD THING.

1165

00:45:17,081 --> 00:45:19,817

I ACTUALLY PREFER TO WEAR AISLE

1166

00:45:19,817 --> 00:45:24,288

SEAT OVER, SAY AN E.M.U.

1167

00:45:24,288 --> 00:45:26,290

YOU DON'T LOOK SO HALF BAD

1168

00:45:26,290 --> 00:45:29,726

YOURSELF.

1169

00:45:29,726 --> 00:45:30,494

WHEN'S THE LAST TIME YOU WORE A

1170

00:45:30,494 --> 00:45:30,694

TUX?

1171

00:45:30,694 --> 00:45:32,229

>> I COULDN'T TELL YOU ALTHOUGH

1172

00:45:32,229 --> 00:45:33,831

THE LAST TIME I WENT TO A FORMAL

1173

00:45:33,831 --> 00:45:35,632

EVENT, I WORE A KILT SO FOR

1174

00:45:35,632 --> 00:45:35,799

THOSE OF YOU IN THE FRONT ROW,

1175

00:45:35,799 --> 00:45:40,170

YOU'RE WELCOME.

1176

00:45:40,170 --> 00:45:41,505

>> WELL, LADIES AND GENTLEMEN,

1177

00:45:41,505 --> 00:45:43,140

IT IS INDEED AN HONOR FOR BOTH

1178

00:45:43,140 --> 00:45:44,808

OF US TO BE HERE TONIGHT TO HELP

1179

00:45:44,808 --> 00:45:47,311

PRESENT THE STELLAR AWARDS.

1180

00:45:47,311 --> 00:45:50,514

>> AND KATE'S A SPECIAL HONOR TO

1181

00:45:50,514 --> 00:45:53,250

SHARE THE STAGE WITH YOU SINCE

1182

00:45:53,250 --> 00:45:55,619

WE ARE CLASSMATES OF THE

1183

00:45:55,619 --> 00:45:57,321

ASTRONAUT CLASS OF 2009,

1184

00:45:57,321 --> 00:45:59,256

AFFECTIONATELY KNOWN AS THE

1185

00:45:59,256 --> 00:45:59,556

CHUMPS.

1186

00:45:59,556 --> 00:46:03,961

AND AS ASTRONAUTS, WE KNOW

1187

00:46:03,961 --> 00:46:04,761

FIRSTHAND THAT MISSION SAFETY

1188

00:46:04,761 --> 00:46:06,263

AND SUCCESS ARE DUE TO THE

1189

00:46:06,263 --> 00:46:07,631

EXCEPTIONAL PEOPLE WHO GO ABOVE

1190

00:46:07,631 --> 00:46:08,432

AND BEYOND TODAY.

1191

00:46:08,432 --> 00:46:10,968

THE STELLAR NOMINEES HERE

1192

00:46:10,968 --> 00:46:12,436

TONIGHT TRULY REPRESENT THE BEST

1193

00:46:12,436 --> 00:46:17,040

IN OUR SPACE PROGRAM.

1194

00:46:17,040 --> 00:46:17,741

>> THE STELLAR AWARDS ARE

1195

00:46:17,741 --> 00:46:18,842

IMPORTANT BECAUSE THEY RECOGNIZE

1196

00:46:18,842 --> 00:46:20,611

PEOPLE BEHIND THE SCENES.

1197

00:46:20,611 --> 00:46:22,713

A PANEL OF EXPERTS REVIEWED ALL

1198

00:46:22,713 --> 00:46:24,848

THE NOMINEES' BACKGROUNDS AND

1199

00:46:24,848 --> 00:46:25,749

ACCOMPLISHMENTS TO DETERMINE THE

1200

00:46:25,749 --> 00:46:26,583

SIGNIFICANCE OF THEIR

1201
00:46:26,583 --> 00:46:28,952
CONTRIBUTION TO OUR SPACE

1202
00:46:28,952 --> 00:46:30,020
PROGRAM.

1203
00:46:30,020 --> 00:46:35,325
THE BREADTH AND THE SCOPE OF THE

1204
00:46:35,325 --> 00:46:35,792
WORK IS AMAZING AND PROOF

1205
00:46:35,792 --> 00:46:37,227
POSITIVE THAT WE HAVE A WEALTH

1206
00:46:37,227 --> 00:46:38,462
OF UNUSUALLY BRIGHT AND TALENTED

1207
00:46:38,462 --> 00:46:40,397
PEOPLE WHO ARE WORKING TO MAKE

1208
00:46:40,397 --> 00:46:42,366
SURE THE SPACE PROGRAM HAS A

1209
00:46:42,366 --> 00:46:43,300
VERY PROMISING FUTURE.

1210
00:46:43,300 --> 00:46:44,501
>> IT TAKES THE DEDICATION AND

1211
00:46:44,501 --> 00:46:45,669
EFFORT OF THOUSANDS TO GET US

1212
00:46:45,669 --> 00:46:47,871
INTO SPACE AND TONIGHT'S

1213
00:46:47,871 --> 00:46:48,705

NOMINEES REPRESENT THE BEST OF

1214

00:46:48,705 --> 00:46:50,140

OUR BEST.

1215

00:46:50,140 --> 00:46:51,975

THE CONTRIBUTIONS OF ALL THE

1216

00:46:51,975 --> 00:46:53,610

FOLKS INVOLVED IN THE SPACE

1217

00:46:53,610 --> 00:46:55,145

PROGRAM AND PARTICULARLY THE

1218

00:46:55,145 --> 00:46:57,214

STELLAR NOMINEES WE HONOR

1219

00:46:57,214 --> 00:46:58,482

TONIGHT HAVE CREATED AND

1220

00:46:58,482 --> 00:47:00,317

SUSTAINED THE CAPABILITY AND

1221

00:47:00,317 --> 00:47:01,685

LEADERSHIP IN SPACE THAT OUR

1222

00:47:01,685 --> 00:47:03,220

NATION RELIES ON.

1223

00:47:03,220 --> 00:47:04,955

>> AT THIS TIME, WE'D LIKE TO

1224

00:47:04,955 --> 00:47:08,125

RECOGNIZE THE STELLAR AWARD

1225

00:47:08,125 --> 00:47:08,725

NOMINEES BY ASKING ALL OF THEM

1226
00:47:08,725 --> 00:47:09,393
TO STAND.

1227
00:47:09,393 --> 00:47:10,994
PLEASE JOIN US IN CONGRATULATING

1228
00:47:10,994 --> 00:47:16,066
ALL OF THE NOMINEES WITH A

1229
00:47:16,066 --> 00:47:26,643
HEARTY ROUND OF APPLAUSE.

1230
00:47:26,643 --> 00:47:32,082
[APPLAUSE]

1231
00:47:32,082 --> 00:47:33,917
>> NOW, IN CASE YOU HAVEN'T

1232
00:47:33,917 --> 00:47:35,152
NOTICED, ALL THE STELLAR AWARD

1233
00:47:35,152 --> 00:47:36,253
NOMINEES ARE WEARING BLUE

1234
00:47:36,253 --> 00:47:37,154
RIBBONS THIS EVENING SO THEY CAN

1235
00:47:37,154 --> 00:47:37,688
BE RECOGNIZED.

1236
00:47:37,688 --> 00:47:39,122
>> SO WE'RE GOING TO PRESENT THE

1237
00:47:39,122 --> 00:47:40,524
AWARDS IN FOUR CATEGORIES, AND

1238
00:47:40,524 --> 00:47:41,825

WE'LL ASK ALL THE WINNERS IN

1239

00:47:41,825 --> 00:47:43,393

EACH CATEGORY TO COME TO THE

1240

00:47:43,393 --> 00:47:45,195

STAGE TOGETHER TO RECEIVE THEIR

1241

00:47:45,195 --> 00:47:47,364

AWARDS AND NAMES ARE GOING TO BE

1242

00:47:47,364 --> 00:47:49,066

CALLED IN NO PARTICULAR ORDER.

1243

00:47:49,066 --> 00:47:50,801

>> WE ARE PRESENTING AWARDS IN

1244

00:47:50,801 --> 00:47:52,970

EARLY CAREER, MID CAREER, LATE

1245

00:47:52,970 --> 00:47:54,738

CAREER, AND TEAM CATEGORIES.

1246

00:47:54,738 --> 00:47:56,273

AND WITHIN EACH OF THESE GROUPS,

1247

00:47:56,273 --> 00:47:57,541

NOMINATIONS WERE SOLICITED FROM

1248

00:47:57,541 --> 00:48:00,611

ACROSS THE SPACE INDUSTRY.

1249

00:48:00,611 --> 00:48:01,979

NOMINEES INVOLVED IN GOVERNMENT

1250

00:48:01,979 --> 00:48:02,946

AND CORPORATE PROGRAMS AS WELL

1251
00:48:02,946 --> 00:48:05,649
AS THOSE INVOLVED IN HUMAN AND

1252
00:48:05,649 --> 00:48:07,184
UNMANNED SPACE FLIGHT

1253
00:48:07,184 --> 00:48:07,484
ACTIVITIES.

1254
00:48:07,484 --> 00:48:08,719
>> AND AS MUCH AS WE'D LIKE TO,

1255
00:48:08,719 --> 00:48:09,920
WE ARE SORRY TO SAY WE DON'T

1256
00:48:09,920 --> 00:48:12,589
HAVE ENOUGH TIME FOR EACH WINNER

1257
00:48:12,589 --> 00:48:13,890
TO MAKE REMARKS SO YOU'RE JUST

1258
00:48:13,890 --> 00:48:15,225
GOING TO HAVE TO LISTEN TO US.

1259
00:48:15,225 --> 00:48:15,959
SORRY ABOUT THAT.

1260
00:48:15,959 --> 00:48:18,729
SHALL WE GET STARTED.

1261
00:48:18,729 --> 00:48:20,330
>> OKAY.

1262
00:48:20,330 --> 00:48:21,632
SO, OUR FIRST STELLAR AWARDS

1263
00:48:21,632 --> 00:48:22,666

WILL GO TO THOSE WHO WERE IN THE

1264

00:48:22,666 --> 00:48:25,969

EARLY STAGES OF THEIR CAREERS.

1265

00:48:25,969 --> 00:48:26,703

THERE ARE SEVEN WINNERS IN THIS

1266

00:48:26,703 --> 00:48:30,340

CATEGORY SELECTED FROM A FIELD

1267

00:48:30,340 --> 00:48:31,441

OF 31 CANDIDATES.

1268

00:48:31,441 --> 00:48:33,277

AS I CALL THE NAMES OF THE

1269

00:48:33,277 --> 00:48:34,945

WINNERS, I'D LIKE THEM TO JOIN

1270

00:48:34,945 --> 00:48:36,947

US AT THE FOOT OF THE STAGE AND

1271

00:48:36,947 --> 00:48:37,948

PLEASE HOLD YOUR APPLAUSE UNTIL

1272

00:48:37,948 --> 00:48:39,049

ALL OF THE WINNERS HAVE BEEN

1273

00:48:39,049 --> 00:48:39,182

ANNOUNCED.

1274

00:48:39,182 --> 00:48:42,252

SO THE WINNER IN THE EARLY

1275

00:48:42,252 --> 00:48:46,590

CAREER CATEGORY IS "LA LA LAND."

1276
00:48:46,590 --> 00:48:49,693
ALL RIGHT.

1277
00:48:49,693 --> 00:48:49,826
OH.

1278
00:48:49,826 --> 00:48:50,961
SORRY.

1279
00:48:50,961 --> 00:48:51,762
WRONG ENVELOPE.

1280
00:48:51,762 --> 00:48:51,928
SORRY.

1281
00:48:51,928 --> 00:48:52,863
SORRY ABOUT THAT.

1282
00:48:52,863 --> 00:48:56,199
I'M SO EMBARRASSED.

1283
00:48:56,199 --> 00:48:56,600
THE WINNERS IN THE EARLY CAREER

1284
00:48:56,600 --> 00:49:00,237
CATEGORY ARE CHELSEA SHEPARD OF

1285
00:49:00,237 --> 00:49:05,942
SGT, JOEY EDGAR OF OCEANEERING

1286
00:49:05,942 --> 00:49:08,812
SPACE SYSTEMS.

1287
00:49:08,812 --> 00:49:12,382
RUSSELL, PETER MASSEY OF JACOBS,

1288
00:49:12,382 --> 00:49:14,785

SARAH WALLACE OF NASA'S JOHNSON

1289

00:49:14,785 --> 00:49:17,921

SPACE CENTER, CHRIS IBEE OF

1290

00:49:17,921 --> 00:49:20,857

SPACEEX, AND JASON SHAPIRO OF

1291

00:49:20,857 --> 00:49:26,496

AEROJET ROCKETDYNE.

1292

00:49:26,496 --> 00:49:34,771

PLEASE COME AND JOIN US AT THE

1293

00:49:34,771 --> 00:49:47,684

BASE OF THE STAIRS.

1294

00:49:47,684 --> 00:49:49,653

>> THE FIRST AWARD GOES TO

1295

00:49:49,653 --> 00:49:50,487

CHELSEA SHEPHERD FOR HER

1296

00:49:50,487 --> 00:49:52,055

OUTSTANDING DEDICATION,

1297

00:49:52,055 --> 00:49:53,523

LEADERSHIP, AND SUPPORT TO

1298

00:49:53,523 --> 00:49:56,493

ASSEMBLY AND MAINTENANCE

1299

00:49:56,493 --> 00:50:00,297

OPERATIONS FOR THE INTERNATIONAL

1300

00:50:00,297 --> 00:50:05,635

SPACE STATION.

1301
00:50:05,635 --> 00:50:10,474
JOEY EDGAR OF OCEAN NEERING

1302
00:50:10,474 --> 00:50:15,712
SPACE SYSTEMS IS RECOGNIZED FOR

1303
00:50:15,712 --> 00:50:16,913
UNWAVERING ATTENTION TO DETAIL

1304
00:50:16,913 --> 00:50:20,083
AND EXEMPLARY WORK ETHIC.EERING SPACE

1305
00:50:20,083 --> 00:50:22,119
SYSTEMS IS RECOGNIZED FOR

1306
00:50:22,119 --> 00:50:24,488
UNWAVERING ATTENTION TO DETAIL

1307
00:50:24,488 --> 00:50:28,792
AND EXEMPLARY WORK ETHIC.

1308
00:50:28,792 --> 00:50:30,627
RUSSELL VILA OF THE U.S. AIR

1309
00:50:30,627 --> 00:50:32,796
FORCE RESEARCH LABORATORY IS

1310
00:50:32,796 --> 00:50:34,331
RECOGNIZED FOR EXCEPTIONAL

1311
00:50:34,331 --> 00:50:36,400
TECHNICAL EXPERTISE IN SOLVING

1312
00:50:36,400 --> 00:50:37,934
SIGNIFICANT RADAR ENGINEERING

1313
00:50:37,934 --> 00:50:40,170

CHALLENGES TO SUPPORT SPACE

1314

00:50:40,170 --> 00:50:43,173

VEHICLE DESIGN IN MAJOR

1315

00:50:43,173 --> 00:50:46,743

GROUND-BASED RADIO TELESCOPE

1316

00:50:46,743 --> 00:50:51,248

UPGRADES.

1317

00:50:51,248 --> 00:50:53,216

PETER MASI OF JACOBS IS

1318

00:50:53,216 --> 00:50:54,951

RECOGNIZED FOR EXCEPTIONAL

1319

00:50:54,951 --> 00:50:57,354

CONTRIBUTIONS WHICH ENABLE OR

1320

00:50:57,354 --> 00:50:58,822

CONTINUOUS PRESENCE IN LOW EARTH

1321

00:50:58,822 --> 00:51:00,590

ORBIT ABOARD THE INTERNATIONAL

1322

00:51:00,590 --> 00:51:03,126

SPACE STATION AND ARE SHAPING

1323

00:51:03,126 --> 00:51:04,928

OUR ABILITY TO EXTEND HUMAN

1324

00:51:04,928 --> 00:51:11,368

EXPLORATION TO MARS AND BEYOND.

1325

00:51:11,368 --> 00:51:13,203

SARAH WALLACE OF NASA'S JOHNSON

1326
00:51:13,203 --> 00:51:15,305
SPACE CENTER IS RECOGNIZED FOR

1327
00:51:15,305 --> 00:51:18,742
CHAMPIONING A GAME-CHANGING

1328
00:51:18,742 --> 00:51:24,214
BIOMOLECULE SEQUENCER THAT WAS

1329
00:51:24,214 --> 00:51:26,416
SUCCESSFULLY DEMONSTRATED AS A

1330
00:51:26,416 --> 00:51:29,719
SCIENTIFIC TOOL ON BOARD THE

1331
00:51:29,719 --> 00:51:30,687
INTERNATIONAL SPACE STATION.

1332
00:51:30,687 --> 00:51:33,123
CHRIS EBY OF SPACEX IS

1333
00:51:33,123 --> 00:51:33,723
RECOGNIZED FOR OUTSTANDING

1334
00:51:33,723 --> 00:51:34,858
TECHNICAL CONTRIBUTIONS AND

1335
00:51:34,858 --> 00:51:37,561
LEADERSHIP OVERSEEING THE

1336
00:51:37,561 --> 00:51:38,261
COMMERCIAL CREW SPACE SUIT

1337
00:51:38,261 --> 00:51:48,305
QUALIFICATION MILESTONE.

1338
00:51:48,305 --> 00:51:49,906

AND THE FINAL EARLY CAREER AWARD

1339

00:51:49,906 --> 00:51:52,976

GOES TO JASON SHAPIRO OF AEROJET

1340

00:51:52,976 --> 00:51:54,077

ROCKETDYNE FOR OUTSTANDING

1341

00:51:54,077 --> 00:51:56,079

LEADERSHIP IN TESTING OF LARGE

1342

00:51:56,079 --> 00:52:04,921

ROCKETS FROM THE ANTARES AJ 26

1343

00:52:04,921 --> 00:52:07,290

TO THE ORION JETTISON MOTOR.

1344

00:52:07,290 --> 00:52:08,091

LADIES AND GENTLEMEN, PLEASE

1345

00:52:08,091 --> 00:52:09,326

JOIN US IN CONGRATULATES ALL OF

1346

00:52:09,326 --> 00:52:09,993

THE STELLAR AWARD WINNERS IN THE

1347

00:52:09,993 --> 00:52:18,101

EARLY CAREER CATEGORY.

1348

00:52:18,101 --> 00:52:21,204

[APPLAUSE]

1349

00:52:52,168 --> 00:52:39,623

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1350

00:52:52,168 --> 00:52:54,137

>> CONGRATULATIONS TO ALL OF THE

1351
00:52:54,137 --> 00:52:55,372
EARLY CAREER AWARD WINNERS.

1352
00:52:55,372 --> 00:52:57,374
WE HAVE NINE WINNERS IN THE MID

1353
00:52:57,374 --> 00:52:58,742
CAREER CATEGORY SELECTED FROM A

1354
00:52:58,742 --> 00:53:00,010
FIELD OF 43 CANDIDATES.

1355
00:53:00,010 --> 00:53:01,945
I'D LIKE TO INVITE TO THE FOOT

1356
00:53:01,945 --> 00:53:06,316
OF THE STAIRS KENNETH ANDERLY OF

1357
00:53:06,316 --> 00:53:07,517
JACOBS, LIEUTENANT COLONEL RICH

1358
00:53:07,517 --> 00:53:09,219
BECKMAN OF THE UNITED STATES AIR

1359
00:53:09,219 --> 00:53:14,491
FORCE, NICK UTLEY OF THE BOEING

1360
00:53:14,491 --> 00:53:18,194
COMPANY, BOB MASSEY OF NASA JET

1361
00:53:18,194 --> 00:53:21,665
PROPULSION LABORATORY, CAROLYN

1362
00:53:21,665 --> 00:53:27,270
OVERMYER OF LOCKHEED MARTIN,

1363
00:53:27,270 --> 00:53:31,741

RONNIE BACCUS AND GARY LAI OF

1364

00:53:31,741 --> 00:53:50,293

BLUE ORIGIN.

1365

00:53:50,293 --> 00:53:59,803

■■■

1366

00:53:59,803 --> 00:54:01,671

KENNETH ANDERLE OF JAY COBS IS

1367

00:54:01,671 --> 00:54:03,440

RECOGNIZED FOR KPEFRM LARY

1368

00:54:03,440 --> 00:54:05,775

SERVICE TO JSC AND THE JAMES

1369

00:54:05,775 --> 00:54:07,177

WEBB SPACE TELESCOPE AND

1370

00:54:07,177 --> 00:54:08,178

PROMOTING THE ADVANCEMENT OF

1371

00:54:08,178 --> 00:54:18,021

SPACE EXPLORATION.

1372

00:54:18,021 --> 00:54:19,956

LIEUTENANT COLONEL RICH BECKMAN

1373

00:54:19,956 --> 00:54:20,523

OF THE UNITED STATES AIR FORCE

1374

00:54:20,523 --> 00:54:22,659

IS RECOGNIZED FOR EXCEPTIONAL

1375

00:54:22,659 --> 00:54:24,361

PROGRAM MANAGEMENT AND TECHNICAL

1376
00:54:24,361 --> 00:54:26,262
AND PROGRAMMATIC PROBLEM SOLVING

1377
00:54:26,262 --> 00:54:28,131
LEADING TO NUMEROUS SUCCESSFUL

1378
00:54:28,131 --> 00:54:29,532
CLASSIFIED MILITARY OPERATIONS

1379
00:54:29,532 --> 00:54:32,135
AND GPS CAPABILITIES FOR 1

1380
00:54:32,135 --> 00:54:41,277
BILLION USERS WORLDWIDE.

1381
00:54:41,277 --> 00:54:43,346
NICK UTLEY OF THE BOEING COMPANY

1382
00:54:43,346 --> 00:54:46,016
IS RECOGNIZED FOR SUSTAINED

1383
00:54:46,016 --> 00:54:46,950
SUPERIOR PERFORMANCE IN

1384
00:54:46,950 --> 00:54:48,852
ELECTRICAL WIRING DESIGN AND

1385
00:54:48,852 --> 00:54:49,552
WIRING INSTALLATION FOR HUMAN

1386
00:54:49,552 --> 00:55:01,865
SPACE FLIGHT APPLICATIONS.

1387
00:55:01,865 --> 00:55:04,534
JEFF OF ORBITAL ATK IS

1388
00:55:04,534 --> 00:55:05,568

RECOGNIZED FOR OUTSTANDING

1389

00:55:05,568 --> 00:55:07,470

LEADERSHIP OF THE ORION LAUNCH

1390

00:55:07,470 --> 00:55:08,938

ABORT ATTITUDE CONTROL MOTOR AND

1391

00:55:08,938 --> 00:55:10,974

RECONSTITUTING THE TEAM AND

1392

00:55:10,974 --> 00:55:11,841

GUIDING IT THROUGH SUCCESSFUL

1393

00:55:11,841 --> 00:55:23,386

CRITICAL DESIGN REVIEWS.

1394

00:55:23,386 --> 00:55:26,656

BOB MASE IS RECOGNIZED FOR

1395

00:55:26,656 --> 00:55:27,991

OUTSTANDING MANAGERMENTS OF

1396

00:55:27,991 --> 00:55:31,127

EXCEPTIONALLY SUCCESSFUL

1397

00:55:31,127 --> 00:55:34,664

PROJECTS EXPLORING THE SOLAR

1398

00:55:34,664 --> 00:55:39,736

SYSTEM.

1399

00:55:39,736 --> 00:55:41,071

CAROLLING OVERMYER OF LOCKHEED

1400

00:55:41,071 --> 00:55:43,740

MARTIN IS RECOGNIZED FOR

1401
00:55:43,740 --> 00:55:44,841
TECHNICAL EXCELLENCE IN MANAGING

1402
00:55:44,841 --> 00:55:45,875
THE DESIGN AND THE DEVELOPMENT

1403
00:55:45,875 --> 00:56:00,690
OF THE ORION SERVICE MODULE.

1404
00:56:00,690 --> 00:56:02,726
WHICH YOU CAN FIELD IS

1405
00:56:02,726 --> 00:56:05,061
RECOGNIZED FOR INVALUABLE

1406
00:56:05,061 --> 00:56:06,763
CONTRIBUTIONS TOWARD THE MISSION

1407
00:56:06,763 --> 00:56:08,998
SUCCESS OF THE DELTA VEHICLE AND

1408
00:56:08,998 --> 00:56:10,500
THE ROCKET ENGINES THROUGH

1409
00:56:10,500 --> 00:56:13,236
LEADERSHIP, MENTORSHIP,

1410
00:56:13,236 --> 00:56:16,206
TECHNICAL EXCELLENCE, AND

1411
00:56:16,206 --> 00:56:21,111
INNOVATION.

1412
00:56:21,111 --> 00:56:24,347
RONNIE BACCUS OF NASA JOHNSON

1413
00:56:24,347 --> 00:56:26,015

SPACE CENTER IS RECOGNIZED FOR

1414

00:56:26,015 --> 00:56:27,283

OUTSTANDING LEADERSHIP OF THE

1415

00:56:27,283 --> 00:56:27,917

ORION HEAT SHIELD BLOCK BOND

1416

00:56:27,917 --> 00:56:37,460

VERIFICATION EFFORTS.

1417

00:56:37,460 --> 00:56:40,196

AND FINALLY, GARY LAI OF BLUE

1418

00:56:40,196 --> 00:56:41,531

ORIGIN FOR OUTSTANDING

1419

00:56:41,531 --> 00:56:43,032

LEADERSHIP OF THE NEW SHEPARD

1420

00:56:43,032 --> 00:56:45,335

TECHNICAL TEAM, WHICH PERFORMED

1421

00:56:45,335 --> 00:56:47,137

FIVE LAUNCHES AND LANDINGS OF

1422

00:56:47,137 --> 00:56:59,516

THE SAME BOOSTER IN ONE YEAR.

1423

00:56:59,516 --> 00:57:00,383

LADIES AND GENTLEMEN, PLEASE

1424

00:57:00,383 --> 00:57:00,817

CONGRATULATE ALL OF THE WINNERS

1425

00:57:00,817 --> 00:57:34,017

IN THE MID CAREER CATEGORY.

1426

00:57:34,017 --> 00:57:44,093

[APPLAUSE]

1427

00:57:44,093 --> 00:57:46,863

>> THE FINAL INDIVIDUAL AWARD

1428

00:57:46,863 --> 00:57:48,097

THIS EVENING GO TO THOSE IN THE

1429

00:57:48,097 --> 00:57:49,098

LATE CAREER CATEGORY.

1430

00:57:49,098 --> 00:57:50,300

OF THE 41 NOMINATIONS RECEIVED

1431

00:57:50,300 --> 00:57:52,836

IN THIS CATEGORY, WE HAVE 9

1432

00:57:52,836 --> 00:57:53,636

WINNERS AND I WOULD LIKE TO

1433

00:57:53,636 --> 00:57:55,371

INVITE ALL OF THEM TO THE FOOT

1434

00:57:55,371 --> 00:57:57,540

OF THE STAGE AS THEIR NAMES ARE

1435

00:57:57,540 --> 00:57:57,674

CALLED.

1436

00:57:57,674 --> 00:57:59,409

THEY ARE MARK FERGUSON OF

1437

00:57:59,409 --> 00:58:01,377

ORBITAL ATK.

1438

00:58:01,377 --> 00:58:04,013

KENNY TODD OF NASA JOHNSON SPACE

1439

00:58:04,013 --> 00:58:04,814
CENTER.

1440

00:58:04,814 --> 00:58:08,051
JOHN VOLLMER OF THE BOEING

1441

00:58:08,051 --> 00:58:08,484
COMPANY.

1442

00:58:08,484 --> 00:58:12,021
DR. JEFF DAVIS OF NASA'S JOHNSON

1443

00:58:12,021 --> 00:58:15,558
SPACE CENTER.

1444

00:58:15,558 --> 00:58:19,462
MICHAEL MELGARES OF JACOBS.

1445

00:58:19,462 --> 00:58:20,330
DALE CLOUD.

1446

00:58:20,330 --> 00:58:24,601
CAM GHAFARIAN OF SGT.

1447

00:58:24,601 --> 00:58:26,336
MARK RAYMOND OF NASA'S JET

1448

00:58:26,336 --> 00:58:27,237
PROPULSION LABORATORY.

1449

00:58:27,237 --> 00:58:27,570
AND SCOTT McINTYRE OF THE BOEING

1450

00:58:27,570 --> 00:58:52,528
COMPANY.

1451
00:58:52,528 --> 00:58:55,164
MARK FERGUSON OF ORBITAL ATK IS

1452
00:58:55,164 --> 00:58:56,499
RECOGNIZED FOR EXCEPTIONAL

1453
00:58:56,499 --> 00:58:57,901
TECHNICAL AND PROGRAM MANAGEMENT

1454
00:58:57,901 --> 00:59:01,371
OF THE PRESSURIZED CARGO MODULE

1455
00:59:01,371 --> 00:59:09,612
OF SIGNUS.

1456
00:59:09,612 --> 00:59:11,481
KENNY TODD OF NASA'S JOHNSON

1457
00:59:11,481 --> 00:59:13,283
SPACE CENTER IS RECOGNIZED FOR

1458
00:59:13,283 --> 00:59:14,851
EXCEPTIONAL ACCOMPLISHMENTS IN

1459
00:59:14,851 --> 00:59:19,022
EXPERTLY AND SUCCESSFULLY

1460
00:59:19,022 --> 00:59:23,660
LEADING DAY-TO-DAY OPERATIONS

1461
00:59:23,660 --> 00:59:32,769
FOR THE INTERNATIONAL STATION.

1462
00:59:32,769 --> 00:59:34,070
JOHN VOLLMER OF THE BOEING

1463
00:59:34,070 --> 00:59:35,138

COMPANY IS RECOGNIZED FOR

1464

00:59:35,138 --> 00:59:37,407

OUTSTANDING DEDICATION AND

1465

00:59:37,407 --> 00:59:37,907

LEADERSHIP ON THE INTERNATIONAL

1466

00:59:37,907 --> 00:59:39,609

SPACE STATION, SUPPORTING NASA'S

1467

00:59:39,609 --> 00:59:40,710

MISSION TO EXPLORE SPACE AND

1468

00:59:40,710 --> 00:59:52,655

EXPAND SCIENTIFIC RESEARCH.

1469

00:59:52,655 --> 00:59:54,624

DR. JEFF DAVIS OF NASA'S JOHNSON

1470

00:59:54,624 --> 00:59:55,992

SPACE CENTER IS RECOGNIZED FOR

1471

00:59:55,992 --> 00:59:57,393

EXCEPTIONAL CAREER INNOVATIONS

1472

00:59:57,393 --> 00:59:58,761

AND COLLABORATIVE LEADERSHIP AS

1473

00:59:58,761 --> 01:00:00,730

DIRECTOR OF NASA'S HUMAN HEALTH

1474

01:00:00,730 --> 01:00:03,066

AND PERFORMANCE DIRECTORATE,

1475

01:00:03,066 --> 01:00:03,566

GREATLY IMPACTING AGENCY'S

1476

01:00:03,566 --> 01:00:17,213

STRATEGIC GOALS.

1477

01:00:17,213 --> 01:00:19,082

MICHAEL MELGARES IS RECOGNIZED

1478

01:00:19,082 --> 01:00:21,484

FOR AN ACCOMPLISHED CAREER FROM

1479

01:00:21,484 --> 01:00:23,186

APOLLO TO MULTIPURPOSE CREW

1480

01:00:23,186 --> 01:00:32,428

VEHICLE ORION.

1481

01:00:32,428 --> 01:00:34,230

DALE CLOUD OF UTC AEROSPACE

1482

01:00:34,230 --> 01:00:36,032

SYSTEMS IS RECOGNIZED FOR

1483

01:00:36,032 --> 01:00:38,167

EXCEPTIONAL TECHNICAL SKILL AND

1484

01:00:38,167 --> 01:00:39,235

LEADERSHIP IN ENGINEERING FOR

1485

01:00:39,235 --> 01:00:40,903

THE DEVELOPMENT OF SYSTEMS AND

1486

01:00:40,903 --> 01:00:41,738

COMPONENTS FOR BOTH HUMAN AND

1487

01:00:41,738 --> 01:00:53,149

UNMANNED SPACE.

1488

01:00:53,149 --> 01:00:54,384

KAM GHAFARIAN OF STINGER

1489

01:00:54,384 --> 01:00:55,818

GHAFARIAN TECHNOLOGIES, INC.,

1490

01:00:55,818 --> 01:00:58,321

IS RECOGNIZED FOR BEING A

1491

01:00:58,321 --> 01:00:59,222

VISIONARY SERIAL ENTREPRENEUR

1492

01:00:59,222 --> 01:01:01,357

DEDICATED TO CREATING COMPANIES

1493

01:01:01,357 --> 01:01:03,926

THAT OPERATE WITH THE HIGHEST

1494

01:01:03,926 --> 01:01:04,360

LEVEL OF INTEGRITY, PROMOTE

1495

01:01:04,360 --> 01:01:06,529

EMPLOYEE WELL BEING AND DELIVER

1496

01:01:06,529 --> 01:01:07,263

THE BEST TECHNICAL SOLUTIONS TO

1497

01:01:07,263 --> 01:01:16,739

THEIR CUSTOMERS.

1498

01:01:16,739 --> 01:01:18,875

MARK RAYMOND OF NASA'S JET

1499

01:01:18,875 --> 01:01:21,811

PROPULSION LABORATORY IS

1500

01:01:21,811 --> 01:01:23,012

RECOGNIZED FOR EXTRAORDINARILY

1501
01:01:23,012 --> 01:01:24,414
AND UNIQUELY CREATIVE WORK TO

1502
01:01:24,414 --> 01:01:25,648
EXPLORE THE SOLAR SYSTEM AND TO

1503
01:01:25,648 --> 01:01:28,885
OPEN THE FRONTIERS OF SPACE TO

1504
01:01:28,885 --> 01:01:29,886
EVEN MORE AMBITIOUS MISSIONS TO

1505
01:01:29,886 --> 01:01:36,993
FOLLOW.

1506
01:01:36,993 --> 01:01:38,628
THE FINAL LATE CAREER AWARD GOES

1507
01:01:38,628 --> 01:01:40,196
TO SCOTT McINTYRE OF THE BOEING

1508
01:01:40,196 --> 01:01:41,631
COMPANY FOR EXCEPTIONAL

1509
01:01:41,631 --> 01:01:42,832
LEADERSHIP, SUSTAINED EXCELLENT

1510
01:01:42,832 --> 01:01:44,600
PERFORMANCE, AND DEDICATION TO

1511
01:01:44,600 --> 01:01:45,902
THE ADVANCEMENT OF HUMAN SPACE

1512
01:01:45,902 --> 01:01:54,811
FLIGHT PROGRAMS.

1513
01:01:54,811 --> 01:01:56,712

PLEASE JOIN ME IN CONGRATULATING

1514

01:01:56,712 --> 01:01:57,013

ALL THE WINNERS IN THE LATE

1515

01:01:57,013 --> 01:01:58,514

CAREER CATEGORY.

1516

01:02:48,631 --> 01:02:17,733

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1517

01:02:48,631 --> 01:02:50,133

>> THE FINAL STELLAR AWARD

1518

01:02:50,133 --> 01:02:51,100

CATEGORY IS THE TEAM AWARDS.

1519

01:02:51,100 --> 01:02:52,902

THIS YEAR, THE FOUNDATION

1520

01:02:52,902 --> 01:02:55,037

RECEIVED 34 NOMINATIONS IN THIS

1521

01:02:55,037 --> 01:02:55,671

CATEGORY.

1522

01:02:55,671 --> 01:02:56,372

SEVEN WINNERS WERE SELECT FROM

1523

01:02:56,372 --> 01:02:57,974

THE THIS VERY HIGH QUALITY LIST.

1524

01:02:57,974 --> 01:02:59,242

I'D LIKE TO ASK THE TEAM

1525

01:02:59,242 --> 01:03:00,143

REPRESENTATIVE FOR THE FOLLOWING

1526
01:03:00,143 --> 01:03:03,012
TEAMS TO COME FORWARD AND BE

1527
01:03:03,012 --> 01:03:03,346
RECOGNIZED.

1528
01:03:03,346 --> 01:03:09,485
NEW SHEPARD TEAM OF BLUE ORIGIN.

1529
01:03:09,485 --> 01:03:10,553
DAWN FLIGHT TEAM OF NASA JET

1530
01:03:10,553 --> 01:03:16,859
PROPULSION LABORATORY.

1531
01:03:16,859 --> 01:03:20,096
FALCON 9 TEAM OF SPACEX.

1532
01:03:20,096 --> 01:03:23,399
EVA 35 RECOVERY TEAM FROM UTC

1533
01:03:23,399 --> 01:03:24,967
AEROSPACE SYSTEMS.

1534
01:03:24,967 --> 01:03:25,768
GLOBAL POSITIONING 2 F SYSTEM OF

1535
01:03:25,768 --> 01:03:33,242
THE UNITED STATES AIR FORCE.

1536
01:03:33,242 --> 01:03:39,682
ISS OXYGEN RECOVERY OF THE

1537
01:03:39,682 --> 01:03:43,419
BOEING COMPANY AND NEXT

1538
01:03:43,419 --> 01:03:44,253

GENERATION DESIGN TEAM OF

1539

01:03:44,253 --> 01:03:54,997

ORBITAL ATK.

1540

01:03:54,997 --> 01:04:06,342

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1541

01:04:06,342 --> 01:04:07,743

>> THE NEW SHEPARD TEAM OF BLUE

1542

01:04:07,743 --> 01:04:09,412

ORIGIN IS RECOGNIZED FOR THE

1543

01:04:09,412 --> 01:04:10,780

OUTSTANDING ACCOMPLISHMENTS IN

1544

01:04:10,780 --> 01:04:11,847

PERFORMING THE FIRST LANDING OF

1545

01:04:11,847 --> 01:04:14,083

A VERTICAL LAUNCH ROCKET IN

1546

01:04:14,083 --> 01:04:14,283

HISTORY.

1547

01:04:14,283 --> 01:04:15,251

AND THEN FOUR SUBSEQUENT

1548

01:04:15,251 --> 01:04:18,154

LAUNCHES AND LANDINGS IN 2016.

1549

01:04:18,154 --> 01:04:26,662

ACCEPTING FOR THE TEAM IS ROB

1550

01:04:26,662 --> 01:04:30,132

MEYERSON.

1551
01:04:30,132 --> 01:04:32,835
THE DAWN FLIGHT TEAM OF NASA JET

1552
01:04:32,835 --> 01:04:34,537
PROPULSION LABORATORY IS

1553
01:04:34,537 --> 01:04:38,074
RECOGNIZED FOR EXEMPLARY

1554
01:04:38,074 --> 01:04:39,375
ACHIEVEMENT IN EXPLORING SOME OF

1555
01:04:39,375 --> 01:04:41,344
THE LAST UNCHARTED WORLDS IN THE

1556
01:04:41,344 --> 01:04:43,913
INNER SOLAR SYSTEM IN A UNIQUE

1557
01:04:43,913 --> 01:04:46,415
MISSION THAT REVEALS NEW

1558
01:04:46,415 --> 01:04:47,850
INSIGHTS ABOUT THE DAWN OF THE

1559
01:04:47,850 --> 01:04:48,618
SOLAR SYSTEM.

1560
01:04:48,618 --> 01:04:48,784
ACCEPTING FOR THE TEAM IS MARC

1561
01:04:48,784 --> 01:04:56,626
RAYMAN.

1562
01:04:56,626 --> 01:04:57,827
THE FALCON 9 TEAM OF STATE OF

1563
01:04:57,827 --> 01:04:59,595

TEXAS IS RECOGNIZED FOR AN

1564

01:04:59,595 --> 01:05:00,529

EXCEPTIONAL HISTORY OF

1565

01:05:00,529 --> 01:05:02,198

INNOVATIVE AND HIGH QUALITY

1566

01:05:02,198 --> 01:05:03,899

SPACECRAFT LAUNCH AND VEHICLE

1567

01:05:03,899 --> 01:05:06,502

DESIGNS FOR NASA, INDUSTRY, AND

1568

01:05:06,502 --> 01:05:07,436

OTHER GOVERNMENT ORGANIZATIONS.

1569

01:05:07,436 --> 01:05:07,737

ACCEPTING FOR THE TEAM IS JOHN

1570

01:05:07,737 --> 01:05:17,880

EDWARDS.

1571

01:05:17,880 --> 01:05:21,951

THE EVA 35 RECOVERY TEAM OF UTC

1572

01:05:21,951 --> 01:05:23,452

AEROSPACE SYSTEMS IS RECOGNIZED

1573

01:05:23,452 --> 01:05:24,820

FOR OUTSTANDING RAPID

1574

01:05:24,820 --> 01:05:26,656

PERFORMANCE TO RECOVER EVA

1575

01:05:26,656 --> 01:05:30,159

CAPABILITY ON ISS AFTER U.S.

1576

01:05:30,159 --> 01:05:31,727

E.V.A. 35 WATER IN THE HELMET

1577

01:05:31,727 --> 01:05:31,861

INCIDENT.

1578

01:05:31,861 --> 01:05:42,204

ACCEPTING FOR THE TEAM IS ROBERT

1579

01:05:42,204 --> 01:05:42,338

ROSADO.

1580

01:05:42,338 --> 01:05:46,909

THE GLOBAL POSITIONING SYSTEM 2F

1581

01:05:46,909 --> 01:05:47,877

TEAM OF THE UNITED STATES AIR

1582

01:05:47,877 --> 01:05:49,312

FORCE IS RECOGNIZED FOR

1583

01:05:49,312 --> 01:05:50,079

SUCCESSFUL ACQUISITION,

1584

01:05:50,079 --> 01:05:53,683

DEVELOPMENT, AND DELIVERY OF 12

1585

01:05:53,683 --> 01:05:54,884

GPS-BASED SATELLITES TO ORBIT,

1586

01:05:54,884 --> 01:05:55,918

ENSURING GOLD STANDARD

1587

01:05:55,918 --> 01:05:57,053

POSITIONING, NAVIGATION, AND

1588

01:05:57,053 --> 01:06:00,556

TIMING CAPABILITIES TO OVER

1589

01:06:00,556 --> 01:06:01,424

2.7 MILLION MILITARY PERSONNEL.

1590

01:06:01,424 --> 01:06:03,626

ONE OF A BILLION CIVILIAN USERS

1591

01:06:03,626 --> 01:06:06,162

AND 57 ALLIED NATIONS WORLDWIDE.

1592

01:06:06,162 --> 01:06:09,465

ACCEPTING FOR THE TEAM IS

1593

01:06:09,465 --> 01:06:17,440

LIEUTENANT COLONEL BRIAN VESSEE.

1594

01:06:17,440 --> 01:06:19,375

THE ISS OXYGEN GENERATOR

1595

01:06:19,375 --> 01:06:22,678

ASSEMBLY RECOVERY TEAM OF THE

1596

01:06:22,678 --> 01:06:24,080

BOEING COMPANY IS RECOGNIZED FOR

1597

01:06:24,080 --> 01:06:26,682

SUCCESSFUL RESOLUTION OF COMPLEX

1598

01:06:26,682 --> 01:06:28,184

AND EMERGING ISSUES RESULTING

1599

01:06:28,184 --> 01:06:29,885

FROM THE OXYGEN GENERATOR

1600

01:06:29,885 --> 01:06:32,722

ASSEMBLY RECOVERY THAT

1601
01:06:32,722 --> 01:06:33,556
THREATENED OXYGEN GENERATION

1602
01:06:33,556 --> 01:06:36,859
CAPABILITY AND POTENTIAL ISSD

1603
01:06:36,859 --> 01:06:40,096
CREW DUE TO DEPLETED OXYGEN

1604
01:06:40,096 --> 01:06:40,763
SUPPLIES.

1605
01:06:40,763 --> 01:06:49,238
ACCEPTING FOR THE TEAM IS STEVE

1606
01:06:49,238 --> 01:06:50,873
VAN KEERN.

1607
01:06:50,873 --> 01:06:52,141
AND THE EVENING'S FINAL TEAM

1608
01:06:52,141 --> 01:06:54,143
AWARD RECOGNIZES THE NEXT

1609
01:06:54,143 --> 01:06:55,544
GENERATION CYGNUS DESIGN TEAM OF

1610
01:06:55,544 --> 01:06:57,880
ORBITAL ATK FOR OUTSTANDING

1611
01:06:57,880 --> 01:06:59,181
TECHNICAL LEADERSHIP AND TEAM

1612
01:06:59,181 --> 01:07:01,050
WORK IN THE DESIGN AND

1613
01:07:01,050 --> 01:07:02,318

MANUFACTURING OF THE NEXT

1614

01:07:02,318 --> 01:07:03,686

GENERATION CYGNUS SPACECRAFT,

1615

01:07:03,686 --> 01:07:05,554

RESULTING IN INCREASED

1616

01:07:05,554 --> 01:07:07,456

CAPABILITY, RELIABILITY, AND

1617

01:07:07,456 --> 01:07:09,091

SCIENCE AND UTILIZATION FOR THE

1618

01:07:09,091 --> 01:07:09,225

ISS.

1619

01:07:09,225 --> 01:07:11,627

ACCEPTING FOR THE TEAM IS KEITH

1620

01:07:11,627 --> 01:07:21,303

DAVIES.

1621

01:07:21,303 --> 01:07:22,571

PLEASE JOIN US AS WE

1622

01:07:22,571 --> 01:07:24,373

CONGRATULATE ALL OF THE WINNERS

1623

01:07:24,373 --> 01:07:26,041

IN THE TEAM CATEGORY.

1624

01:08:01,677 --> 01:07:45,594

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1625

01:08:01,677 --> 01:08:06,348

[APPLAUSE]

1626

01:08:06,348 --> 01:08:09,552



1627

01:08:09,552 --> 01:08:10,319

>> LADIES AND GENTLEMEN, I THINK

1628

01:08:10,319 --> 01:08:12,121

YOU'RE ALL GOING TO AGREE THAT

1629

01:08:12,121 --> 01:08:13,656

TONIGHT'S STELLAR AWARD WINNERS

1630

01:08:13,656 --> 01:08:15,758

REPRESENT THE VERY BEST OF THE

1631

01:08:15,758 --> 01:08:17,126

THOUSANDS OF PEOPLE WORKING IN

1632

01:08:17,126 --> 01:08:17,960

OUR SPACE PROGRAMS.

1633

01:08:17,960 --> 01:08:19,195

>> WE COULD TRULY BE PROUD OF

1634

01:08:19,195 --> 01:08:20,663

ALL THE STELLAR AWARD NOMINEES

1635

01:08:20,663 --> 01:08:21,831

FOR THEY ARE ALL WINNERS AND

1636

01:08:21,831 --> 01:08:21,864

GIVE US HOPE FOR THE FUTURE.

1637

01:08:21,864 --> 01:08:33,409

THANK YOU.

1638

01:08:33,409 --> 01:08:36,078

>> WHAT, NO BAGPIPES?

1639

01:08:36,078 --> 01:08:37,880
WE COULDN'T GET A LITTLE

1640

01:08:37,880 --> 01:08:38,147
CONCERT?

1641

01:08:38,147 --> 01:08:39,281
ALL RIGHT, LET'S GET TO THE MAIN

1642

01:08:39,281 --> 01:08:39,448
EVENT.

1643

01:08:39,448 --> 01:08:41,183
YOU KNOW, THE WORLD IS FILLED

1644

01:08:41,183 --> 01:08:41,650
WITH AWARDS.

1645

01:08:41,650 --> 01:08:45,087
WE'VE GOT OSCARS, WE'VE GOT

1646

01:08:45,087 --> 01:08:46,121
EMMYS, GRAMMYS, GOLDEN GLOBES,

1647

01:08:46,121 --> 01:08:48,958
COUNTRY MUSIC ASSOCIATION,

1648

01:08:48,958 --> 01:08:50,359
NOBEL, VIDEO MUSIC, PEOPLE'S

1649

01:08:50,359 --> 01:08:51,894
CHOICE, TEEN CHOICE, MISS

1650

01:08:51,894 --> 01:08:52,895
AMERICA, FOOD PHOTOGRAPHER OF

1651
01:08:52,895 --> 01:08:53,362
THE YEAR.

1652
01:08:53,362 --> 01:08:54,864
YOU KNEW ABOUT THAT ONE?

1653
01:08:54,864 --> 01:08:56,265
WORLD BEER CUP.

1654
01:08:56,265 --> 01:08:58,267
AND THE BIG ONE, THE REGIONAL

1655
01:08:58,267 --> 01:08:58,934
RAILROAD OF THE YEAR.

1656
01:08:58,934 --> 01:09:00,302
YOU KNOW ABOUT THAT ONE?

1657
01:09:00,302 --> 01:09:01,971
THAT'S JUST TO NAME A FEW.

1658
01:09:01,971 --> 01:09:03,439
I'M NOT EVEN MENTIONING SPORTS.

1659
01:09:03,439 --> 01:09:04,740
SHOULD I DO THAT SFWHUN LET'S

1660
01:09:04,740 --> 01:09:05,674
NOT DO THAT.

1661
01:09:05,674 --> 01:09:07,576
SUFFICE TO SAY THERE IS NOTHING

1662
01:09:07,576 --> 01:09:11,814
QUITE LIKE THIS AWARD, THE SPACE

1663
01:09:11,814 --> 01:09:11,881

TROPHY.

1664

01:09:11,881 --> 01:09:14,450

BUT SHOULDN'T WE GIVE IT A NAME?

1665

01:09:14,450 --> 01:09:16,685

HOW ABOUT SPACEY?

1666

01:09:16,685 --> 01:09:18,153

NO, DOESN'T WORK.

1667

01:09:18,153 --> 01:09:19,522

ACTUALLY, IF I HAD TO VOTE ON

1668

01:09:19,522 --> 01:09:21,190

THIS, IN ALL SERIOUSNESS, I

1669

01:09:21,190 --> 01:09:22,525

WOULD CALL IT MAX.

1670

01:09:22,525 --> 01:09:24,059

NOT JUST BECAUSE SPACE TAKES

1671

01:09:24,059 --> 01:09:26,328

THINGS TO THE MAX OR MAX Q, BUT

1672

01:09:26,328 --> 01:09:29,031

ALSO IN HONOR OF ITS FIRST

1673

01:09:29,031 --> 01:09:30,699

RECIPIENT, THE LATE, GREAT

1674

01:09:30,699 --> 01:09:32,368

MAXINE FAGER.

1675

01:09:32,368 --> 01:09:35,771

HE WON IN 1987.

1676
01:09:35,771 --> 01:09:37,573
AND AS I SAID BEFORE, IT'S BEEN

1677
01:09:37,573 --> 01:09:39,308
DOWNHILL EVER SINCE.

1678
01:09:39,308 --> 01:09:41,777
NOT TRUE, OF COURSE.

1679
01:09:41,777 --> 01:09:43,546
BUT AN ILLUSTRIOUS GROUP HAS

1680
01:09:43,546 --> 01:09:44,880
FOLLOWED AND TONIGHT IS THE 31st

1681
01:09:44,880 --> 01:09:46,448
PRESENTATION OF THE AWARD.

1682
01:09:46,448 --> 01:09:48,684
THE TROPHY IS PRESENTED EACH

1683
01:09:48,684 --> 01:09:51,487
YEAR TO THE PERSON WHO IS JUDGED

1684
01:09:51,487 --> 01:09:53,188
BY HIS OR HER PEERS TO HAVE MADE

1685
01:09:53,188 --> 01:09:54,390
THE MOST SIGNIFICANT

1686
01:09:54,390 --> 01:09:56,926
CONTRIBUTION IN THE U.S. SPACE

1687
01:09:56,926 --> 01:09:57,493
PROGRAM.

1688
01:09:57,493 --> 01:09:59,728

ONLY U.S. CITIZENS CAN RECEIVE

1689

01:09:59,728 --> 01:10:01,830

THIS AWARD.

1690

01:10:01,830 --> 01:10:02,898

WE HAVE BEEN INFORMED BY OUR

1691

01:10:02,898 --> 01:10:04,433

FRIENDS AT I.C.E. THAT DUE TO

1692

01:10:04,433 --> 01:10:05,868

INCREASED IMMIGRATION

1693

01:10:05,868 --> 01:10:07,303

ENFORCEMENT, THERE WILL BE A

1694

01:10:07,303 --> 01:10:08,103

THOROUGH CHECK OF

1695

01:10:08,103 --> 01:10:10,739

MR. GRUNSFELD'S PAPERS, HIS

1696

01:10:10,739 --> 01:10:12,007

COMINGS, HIS GOINGS, HIS CELL

1697

01:10:12,007 --> 01:10:15,978

PHONE CALLS, AND HIS BROWSER

1698

01:10:15,978 --> 01:10:16,011

HISTORY.

1699

01:10:16,011 --> 01:10:17,713

IF ANYTHING COMES UP FISHY, WE

1700

01:10:17,713 --> 01:10:20,449

HAVE SOME MEMBERS OF THE CHICAGO

1701
01:10:20,449 --> 01:10:22,217
AVIATION POLICE DEPARTMENT HERE

1702
01:10:22,217 --> 01:10:27,022
TO DRAG YOUR SORRY [MUTED] OUT

1703
01:10:27,022 --> 01:10:28,524
OF HIS SEAT AND GET HIM OUT INTO

1704
01:10:28,524 --> 01:10:29,625
THE HALLWAY.

1705
01:10:29,625 --> 01:10:31,994
THE RECIPIENT IS SELECTED BY A

1706
01:10:31,994 --> 01:10:33,462
VOTE OF THE FOUNDATION'S BOARD

1707
01:10:33,462 --> 01:10:34,396
OF ADVISORS.

1708
01:10:34,396 --> 01:10:37,333
THE VOTES ARE TABULATED BY AN

1709
01:10:37,333 --> 01:10:37,766
INDEPENDENT ACCOUNTING FIRM AND

1710
01:10:37,766 --> 01:10:40,169
WE HAVE BEEN ASSURED THAT THE

1711
01:10:40,169 --> 01:10:41,537
ENVELOPE MANAGEMENT SYSTEM IS

1712
01:10:41,537 --> 01:10:45,608
SUPERIOR TO THOSE AT THE OSCARS.

1713
01:10:45,608 --> 01:10:48,544

NOW, JUST BEFORE I CAME ON

1714

01:10:48,544 --> 01:10:49,445

STANL, OUR PRODUCER TOLD ME WE

1715

01:10:49,445 --> 01:10:50,779

HAVE A SPECIAL LITTLE SOMETHING

1716

01:10:50,779 --> 01:10:50,913

TO SHARE WITH EVERYONE.

1717

01:10:50,913 --> 01:10:54,083

LET'S ROLL THE VIDEO.

1718

01:10:54,083 --> 01:10:56,185

>> GREETINGS TO EVERYONE AT THE

1719

01:10:56,185 --> 01:10:57,286

RNASA GALA.

1720

01:10:57,286 --> 01:10:58,320

HEY, JOHN.

1721

01:10:58,320 --> 01:10:59,655

CONGRATULATIONS ON RECEIVING THE

1722

01:10:59,655 --> 01:11:00,956

NATIONAL SPACE TROPHY.

1723

01:11:00,956 --> 01:11:02,658

WHAT A GREAT HONOR.

1724

01:11:02,658 --> 01:11:04,627

YOUR DEDICATION TO SCIENTIFIC

1725

01:11:04,627 --> 01:11:05,661

ACHIEVEMENT THROUGH YOUR CAREER

1726
01:11:05,661 --> 01:11:07,930
HAS RESULTED IN AMAZING

1727
01:11:07,930 --> 01:11:09,732
DISCOVERIES THAT EVERYONE AT

1728
01:11:09,732 --> 01:11:10,666
NASA CAN BE PROUD OF.

1729
01:11:10,666 --> 01:11:15,170
AS AN ASTROPHYSICIST, AN

1730
01:11:15,170 --> 01:11:15,904
ASTRONAUT AND A SENIOR LEADER,

1731
01:11:15,904 --> 01:11:19,408
YOU HELPED UNLOCK THE MYSTERIES

1732
01:11:19,408 --> 01:11:20,376
OF SPACE AND CHAMPIONED THE BEST

1733
01:11:20,376 --> 01:11:21,810
THAT SCIENCE AND ENGINEERING

1734
01:11:21,810 --> 01:11:23,312
WORKING TOGETHER CAN ACHIEVE.

1735
01:11:23,312 --> 01:11:24,847
JOHN, YOU AND YOUR HUBBLE CREW

1736
01:11:24,847 --> 01:11:26,715
MATES FLEW HIGHER THAN ANYONE

1737
01:11:26,715 --> 01:11:28,450
SINCE APOLLO SO YOU KNOW HOW

1738
01:11:28,450 --> 01:11:30,519

GREAT THE VIEW IS FROM UP HERE.

1739

01:11:30,519 --> 01:11:33,155

WE SEE ALL THOSE ALL MOUNTAINS

1740

01:11:33,155 --> 01:11:34,056

YOU LOVE TO CLIMB.

1741

01:11:34,056 --> 01:11:35,424

WE WOULD WAVE IF WE WERE PASSING

1742

01:11:35,424 --> 01:11:36,925

OVER HOUSTON BUT INSTEAD, WOOELG

1743

01:11:36,925 --> 01:11:39,294

JUST SAY GOOD NIGHT, AND HAVE

1744

01:11:39,294 --> 01:11:39,928

FUN.

1745

01:11:39,928 --> 01:11:41,196

>> ALL RIGHT.

1746

01:11:41,196 --> 01:11:45,234

GIVE IT UP FOR PEGGY.

1747

01:11:45,234 --> 01:11:45,834

LADIES AND GENTLEMEN, WE'RE

1748

01:11:45,834 --> 01:11:47,703

HONORED TO HAVE AMONG US AN

1749

01:11:47,703 --> 01:11:49,138

ENGINEER, A PHYSICIST, A PRIVATE

1750

01:11:49,138 --> 01:11:50,639

PILOT AND A FORMER NASA

1751
01:11:50,639 --> 01:11:51,807
ADMINISTRATOR WITH SEVEN

1752
01:11:51,807 --> 01:11:53,609
ADVANCED DEGREES, WHICH IS EQUAL

1753
01:11:53,609 --> 01:11:56,779
TO THE SET OF UNDERWEAR I OWN.

1754
01:11:56,779 --> 01:11:58,814
LABELED BY THE DAYS OF THE WEEK,

1755
01:11:58,814 --> 01:11:59,148
BY THE WAY.

1756
01:11:59,148 --> 01:12:00,549
HE ONCE TOLD A REPORTER, WHO

1757
01:12:00,549 --> 01:12:02,584
ASKED HIM A STUPID QUESTION, I

1758
01:12:02,584 --> 01:12:04,687
CAN EXPLAIN IT TO YOU, BUT I

1759
01:12:04,687 --> 01:12:09,158
CANNOT UNDERSTAND IT FOR YOU.

1760
01:12:09,158 --> 01:12:10,192
AND THAT WAS NOT ME.

1761
01:12:10,192 --> 01:12:11,994
IT WAS NOT ME.

1762
01:12:11,994 --> 01:12:12,928
I SWEAR.

1763
01:12:12,928 --> 01:12:17,499

LADIES AND GENTLEMEN, GIVE IT UP

1764

01:12:17,499 --> 01:12:22,337

FOR THE GREAT MIKE GRIFFIN.

1765

01:12:22,337 --> 01:12:38,654

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1766

01:12:38,654 --> 01:12:39,188

>> NOW, MILES, YOU HAVE TO

1767

01:12:39,188 --> 01:12:41,890

ADMIT, IT COULD HAVE BEEN YOU.

1768

01:12:41,890 --> 01:12:43,092

I MEAN, IT COULD VERY EASILY

1769

01:12:43,092 --> 01:12:44,159

HAVE BEEN YOU.

1770

01:12:44,159 --> 01:12:45,394

YOU WERE -- YOU WERE ONE

1771

01:12:45,394 --> 01:12:52,367

QUESTION AWAY FROM IT BEING YOU.

1772

01:12:52,367 --> 01:12:53,736

I WOULD SUGGEST THAT WE ALL GIVE

1773

01:12:53,736 --> 01:12:57,272

MILES A HAND FOR HIS PERFORMANCE

1774

01:12:57,272 --> 01:13:00,609

TONIGHT, BUT THAT WOULD ALMOST

1775

01:13:00,609 --> 01:13:05,380

BE TACKY.

1776

01:13:05,380 --> 01:13:11,153

MORE SERIOUSLY, I WANT TO THANK

1777

01:13:11,153 --> 01:13:12,921

RNASA AND ESPECIALLY JOHN

1778

01:13:12,921 --> 01:13:16,892

GRUNSFELD FOR ASKING ME TO

1779

01:13:16,892 --> 01:13:17,960

INTRODUCE HIM HERE TONIGHT, AND

1780

01:13:17,960 --> 01:13:19,928

FOR HAVING ME HERE.

1781

01:13:19,928 --> 01:13:22,965

I'VE HAD A LONG AND VERY, VERY

1782

01:13:22,965 --> 01:13:25,567

LUCKY CAREER IN THE SPACE

1783

01:13:25,567 --> 01:13:27,202

BUSINESS, BUT HOUSTON HAS ALWAYS

1784

01:13:27,202 --> 01:13:30,005

BEEN THE MOST SPECIAL PLACE FOR

1785

01:13:30,005 --> 01:13:30,272

ME.

1786

01:13:30,272 --> 01:13:34,042

BEING THE HOME OF THE PEOPLE WHO

1787

01:13:34,042 --> 01:13:35,778

ENABLE SPACE EXPLORATION, HUMAN

1788

01:13:35,778 --> 01:13:37,813

SPACE EXPLORATION, TO TAKE

1789

01:13:37,813 --> 01:13:37,913

PLACE.

1790

01:13:37,913 --> 01:13:38,847

I THINK THAT IF I TOOK

1791

01:13:38,847 --> 01:13:40,849

EVERYTHING OUT OF MY CAREER

1792

01:13:40,849 --> 01:13:42,084

EXCEPT MY EXPERIENCES WORKING

1793

01:13:42,084 --> 01:13:44,753

WITH PEOPLE FROM THE HOUSTON

1794

01:13:44,753 --> 01:13:45,754

SPACE COMMUNITY, I WOULD STILL

1795

01:13:45,754 --> 01:13:48,223

HAVE A VERY, VERY, VERY

1796

01:13:48,223 --> 01:13:48,257

FORTUNATE CAREER.

1797

01:13:48,257 --> 01:13:58,500

SO, THANK YOU ALL.

1798

01:13:58,500 --> 01:13:59,635

BUT IT'S NOW MY PLEASURE TO

1799

01:13:59,635 --> 01:14:01,770

SPEND A FEW MINUTES TALKING

1800

01:14:01,770 --> 01:14:04,072

ABOUT JOHN GRUNSFELD.

1801
01:14:04,072 --> 01:14:05,107
THAT'S EASY TO DO.

1802
01:14:05,107 --> 01:14:06,775
THE TROUBLE IS THE DIFFICULTY IS

1803
01:14:06,775 --> 01:14:09,144
TO KEEP IT IN THE FIVE TO SEVEN

1804
01:14:09,144 --> 01:14:12,881
MINUTES THAT THEY ALLOTTED ME TO

1805
01:14:12,881 --> 01:14:13,482
DO THAT.

1806
01:14:13,482 --> 01:14:17,386
LET ME START BY SAYING WHAT A

1807
01:14:17,386 --> 01:14:20,055
UNIQUE ROLE THAT I THINK JOHN

1808
01:14:20,055 --> 01:14:23,926
HAS EXEMPLIFIED IN THE YEARS

1809
01:14:23,926 --> 01:14:24,359
THAT HE HAS BEEN AT NASA AND THE

1810
01:14:24,359 --> 01:14:26,829
YEARS THAT I HAVE KNOWN HIM.

1811
01:14:26,829 --> 01:14:28,263
WE HAVE HEARD, SINCE THE DAWN OF

1812
01:14:28,263 --> 01:14:31,400
THE SPACE PROGRAM, ABOUT

1813
01:14:31,400 --> 01:14:34,703

CONTROVERSIES BETWEEN PEOPLE WHO

1814

01:14:34,703 --> 01:14:38,874

WANT OUR NATION'S TAX DOLLARS TO

1815

01:14:38,874 --> 01:14:41,977

BE SPENT PROSECUTING SCIENTIFIC

1816

01:14:41,977 --> 01:14:43,779

DISCOVERY, UNMANNED SPACE

1817

01:14:43,779 --> 01:14:46,315

FLIGHT, IT USED TO BE CALLED, AS

1818

01:14:46,315 --> 01:14:48,483

LESS ENLIGHTENED TIMES, AND THEN

1819

01:14:48,483 --> 01:14:49,685

WE'VE HAD ANOTHER CONTINGENT

1820

01:14:49,685 --> 01:14:51,386

THAT BELIEVES THAT HUMAN

1821

01:14:51,386 --> 01:14:54,990

EXPLORATION OF THE NEW FRONTIER,

1822

01:14:54,990 --> 01:14:56,491

STILL A NEW FRONTIER, IS THE

1823

01:14:56,491 --> 01:14:58,560

MOST IMPORTANT THING TO BE DOING

1824

01:14:58,560 --> 01:15:00,195

WITH MONEY THAT WE, AS A NATION,

1825

01:15:00,195 --> 01:15:03,966

CAN AFFORD TO SPEND ON SPACE.

1826

01:15:03,966 --> 01:15:08,770

AND THERE HAS BEEN, THAT I CAN

1827

01:15:08,770 --> 01:15:10,572

REMEMBER, 60 YEARS OF ARGUING

1828

01:15:10,572 --> 01:15:13,442

BETWEEN THESE TWO CAMPS.

1829

01:15:13,442 --> 01:15:15,410

JOHN GRUNSFELD IS A PERSON WHO

1830

01:15:15,410 --> 01:15:17,779

MARRIES THOSE TWO CAMPS, AND HE

1831

01:15:17,779 --> 01:15:20,749

DOES IT ELEGANTLY AND HE DOES IT

1832

01:15:20,749 --> 01:15:23,018

PROFESSIONALLY, AND HE DOES IT

1833

01:15:23,018 --> 01:15:27,656

WITH EXPERTISE, WHICH IS BEYOND

1834

01:15:27,656 --> 01:15:28,023

SUPERLATIVE.

1835

01:15:28,023 --> 01:15:30,492

A TRULY VETERAN ASTRONAUT OF

1836

01:15:30,492 --> 01:15:32,361

FIVE SPACE FLIGHTS AND A TRUE

1837

01:15:32,361 --> 01:15:34,696

BELIEVER IN THE VALUE AND

1838

01:15:34,696 --> 01:15:37,165

IMPORTANCE OF HUMAN SPACE

1839

01:15:37,165 --> 01:15:39,368

EXPLORATION, JOHN IS ALSO A

1840

01:15:39,368 --> 01:15:43,238

PERSON WHO HAS BEEN A CHIEF

1841

01:15:43,238 --> 01:15:46,441

SCIENTIST AT NASA, THE HEAD OF

1842

01:15:46,441 --> 01:15:47,442

NASA'S SCIENCE PROGRAM IN A

1843

01:15:47,442 --> 01:15:50,445

SEPARATE INCARNATION AS

1844

01:15:50,445 --> 01:15:51,513

ASSOCIATE ADMINISTRATOR FOR

1845

01:15:51,513 --> 01:15:52,614

SPACE SCIENCE OR THE SCIENCE

1846

01:15:52,614 --> 01:15:54,783

MISSION DIRECTOR AT NASA, AND

1847

01:15:54,783 --> 01:15:56,752

HE'S BEEN THE DEPUTY AT THE

1848

01:15:56,752 --> 01:15:59,254

SPACE TELESCOPE SCIENCE

1849

01:15:59,254 --> 01:15:59,955

INSTITUTE.

1850

01:15:59,955 --> 01:16:01,990

THREE OF HIS SPACE FLIGHTS HAVE

1851
01:16:01,990 --> 01:16:04,760
INVOLVED REPAIRING THE HUBBLE

1852
01:16:04,760 --> 01:16:06,995
SPACE TELESCOPE, SOMETHING WHICH

1853
01:16:06,995 --> 01:16:09,031
HOLDS A PARTICULAR AFFINITY FOR

1854
01:16:09,031 --> 01:16:12,000
ME, BECAUSE BACK WHEN I USED TO

1855
01:16:12,000 --> 01:16:13,702
DO USEFUL WORK, I ONCE WORKED ON

1856
01:16:13,702 --> 01:16:16,305
THE HUBBLE SPACE TELESCOPE.

1857
01:16:16,305 --> 01:16:17,839
AND IT IS -- IT IS, TODAY, ONE

1858
01:16:17,839 --> 01:16:20,909
OF MY OWN MOST HONORED

1859
01:16:20,909 --> 01:16:22,344
ACCOMPLISHMENTS TO HAVE BEEN

1860
01:16:22,344 --> 01:16:25,147
PART OF PRODUCING THE HUBBLE.

1861
01:16:25,147 --> 01:16:28,016
JOHN WAS PART OF MAKING THE

1862
01:16:28,016 --> 01:16:32,154
HUBBLE BETTER, NOT ONCE, BUT

1863
01:16:32,154 --> 01:16:32,554

THREE TIMES.

1864

01:16:32,554 --> 01:16:37,392

MANY YEARS AGO, IN TESTIMONY

1865

01:16:37,392 --> 01:16:39,561

SUPPORTING THE BUILDING OF THE

1866

01:16:39,561 --> 01:16:43,298

SUPER CONDUCTOR SUPER COLLIDER,

1867

01:16:43,298 --> 01:16:46,535

WHICH REGRETTABLY DID NOT OCCUR,

1868

01:16:46,535 --> 01:16:48,103

LEON LETTERMAN TESTIFIED ON ITS

1869

01:16:48,103 --> 01:16:49,771

BEHALF TO THE CONGRESS OF THE

1870

01:16:49,771 --> 01:16:52,174

UNITED STATES, AND DR.

1871

01:16:52,174 --> 01:16:53,875

LETTERMAN, WHEN ASKED IF THE

1872

01:16:53,875 --> 01:17:02,250

SUPER CONDUCTOR -- CONDUCTING

1873

01:17:02,250 --> 01:17:03,819

SUPER COLLIDER WOULD DO ANYTHING

1874

01:17:03,819 --> 01:17:06,455

FOR THE DEFENSE OF THE UNITED

1875

01:17:06,455 --> 01:17:07,723

STATES, DR. LETTERMAN RESPONDED,

1876

01:17:07,723 --> 01:17:08,790

NO, IT'S ONE OF THE THINGS THAT

1877

01:17:08,790 --> 01:17:10,192

MAKE IT WORTH DEFENDING.

1878

01:17:10,192 --> 01:17:12,027

I THINK THOSE OF US HERE WOULD

1879

01:17:12,027 --> 01:17:17,733

RECOGNIZE THE CORE TRUTH OF THAT

1880

01:17:17,733 --> 01:17:19,901

IN JOHN'S CAREER HE HAD DONE

1881

01:17:19,901 --> 01:17:22,104

NOTHING BUT SUCCOR THE HUBBLE

1882

01:17:22,104 --> 01:17:23,805

SPACE TELESCOPE IN ITS MANY

1883

01:17:23,805 --> 01:17:25,640

HOURS OF NEED, HE WOULD STILL BE

1884

01:17:25,640 --> 01:17:27,576

WORTHY OF TONIGHT'S RECOGNITION,

1885

01:17:27,576 --> 01:17:29,244

BUT HE HAS DONE SO MUCH MORE.

1886

01:17:29,244 --> 01:17:30,312

I THINK IT IS SAFE TO SAY YOU

1887

01:17:30,312 --> 01:17:33,281

WOULD NOT HAVE A FUTURE MARS

1888

01:17:33,281 --> 01:17:34,349

PROGRAM TODAY WITHOUT JOHN'S

1889

01:17:34,349 --> 01:17:36,418

EFFORTS AS HEAD OF THE SCIENCE

1890

01:17:36,418 --> 01:17:40,222

MISSION DIRECTORATE.

1891

01:17:40,222 --> 01:17:42,858

THE OTHER THING THAT I MUST SAY

1892

01:17:42,858 --> 01:17:44,292

TONIGHT IS THAT JOHN HAS DONE

1893

01:17:44,292 --> 01:17:48,296

ALL OF THIS WITH A SURPASSING

1894

01:17:48,296 --> 01:17:49,464

MODESTY AND DEGREE OF

1895

01:17:49,464 --> 01:17:50,399

SELF-EFFACEMENT.

1896

01:17:50,399 --> 01:17:53,368

HE'S ONE OF THE MOST CAPABLE

1897

01:17:53,368 --> 01:17:55,670

PEOPLE THAT I KNOW IN ARENAS

1898

01:17:55,670 --> 01:17:58,273

RANGING FROM MUSIC TO MOUNTAIN

1899

01:17:58,273 --> 01:18:01,109

CLIMBING TO FLYING AIRPLANES TO,

1900

01:18:01,109 --> 01:18:03,812

OH, NEVER MIND, BEING AN

1901

01:18:03,812 --> 01:18:05,914

ASTRONOMER AND AN ASTRONAUT AND

1902

01:18:05,914 --> 01:18:08,650

A MANAGER OF A MAJOR PIECE OF

1903

01:18:08,650 --> 01:18:08,884

NASA.

1904

01:18:08,884 --> 01:18:11,420

BUT YOU WOULD NEVER HEAR ABOUT

1905

01:18:11,420 --> 01:18:13,388

ANY OF THESE ACCOMPLISHMENTS

1906

01:18:13,388 --> 01:18:14,156

FROM HIM.

1907

01:18:14,156 --> 01:18:17,592

YOU HAVE TO HEAR ABOUT THEM FROM

1908

01:18:17,592 --> 01:18:18,660

OTHER PEOPLE.

1909

01:18:18,660 --> 01:18:19,895

YOU ACTUALLY HAVE TO PROBE A

1910

01:18:19,895 --> 01:18:21,596

LITTLE BIT TO FIND OUT ALL OF

1911

01:18:21,596 --> 01:18:25,067

THE THINGS THAT HE'S DONE.

1912

01:18:25,067 --> 01:18:29,137

NO ONE HAS YET RECEIVED THE

1913

01:18:29,137 --> 01:18:32,274

RNASA AWARD TWICE IN HIS OR HER

1914

01:18:32,274 --> 01:18:32,407

CAREER.

1915

01:18:32,407 --> 01:18:34,443

SO I'M GOING TO CONCLUDE BY

1916

01:18:34,443 --> 01:18:35,343

SUGGESTING THAT I SUSPECT THE

1917

01:18:35,343 --> 01:18:38,613

FIRST PERSON TO DO SO WILL BE

1918

01:18:38,613 --> 01:18:41,683

JOHN AFTER HIS TENURE AS NASA

1919

01:18:41,683 --> 01:18:42,417

ADMINISTRATOR, WHICH LIES STILL

1920

01:18:42,417 --> 01:18:46,021

IN HIS FUTURE.

1921

01:18:46,021 --> 01:18:48,156

THANK YOU ALL FOR HAVING ME HERE

1922

01:18:48,156 --> 01:18:48,423

TONIGHT.

1923

01:18:48,423 --> 01:18:50,525

JOHN, THANK YOU FOR ASKING ME TO

1924

01:18:50,525 --> 01:18:54,329

SPEAK ON YOUR BEHALF, AND WITH

1925

01:18:54,329 --> 01:18:55,497

THAT, I THINK JOHN, CAN YOU STEP

1926

01:18:55,497 --> 01:19:14,349

FORWARD, PLEASE?

1927

01:20:02,931 --> 01:19:25,260

■■■

1928

01:20:36,431 --> 01:20:24,019

[APPLAUSE]

1929

01:20:36,431 --> 01:20:37,933

>> I MAY HAVE GOTTEN A LITTLE

1930

01:20:37,933 --> 01:20:39,534

OUT OF SEQUENCE, NOT UNUSUAL FOR

1931

01:20:39,534 --> 01:20:43,872

ME, BUT JOHN, WE STILL WANT YOU

1932

01:20:43,872 --> 01:20:45,440

UP HERE.

1933

01:20:45,440 --> 01:20:49,177

LADIES AND GENTLEMEN, JOHN

1934

01:20:49,177 --> 01:20:52,447

GRUNSFELD.

1935

01:20:52,447 --> 01:20:53,181

>> WOW.

1936

01:20:53,181 --> 01:20:55,350

THANK YOU VERY MUCH, MICHAEL.

1937

01:20:55,350 --> 01:20:57,185

THANK YOU, RNASA FOUNDATION, THE

1938

01:20:57,185 --> 01:20:58,920

STAFF, THE BOARD OF DIRECTORS,

1939

01:20:58,920 --> 01:21:00,088

AND THE MANY GENEROUS SPONSORS

1940

01:21:00,088 --> 01:21:01,389

AND CONGRATULATIONS TO ALL THE

1941

01:21:01,389 --> 01:21:03,692

OTHER AWARD WINNERS TONIGHT.

1942

01:21:03,692 --> 01:21:06,995

THIS REALLY IS A STELLAR

1943

01:21:06,995 --> 01:21:08,296

EVENING.

1944

01:21:08,296 --> 01:21:09,431

MICHAEL, THANK YOU VERY MUCH FOR

1945

01:21:09,431 --> 01:21:10,432

THE KIND INTRODUCTION.

1946

01:21:10,432 --> 01:21:12,500

YOU HAVE BEEN A FRIEND, A

1947

01:21:12,500 --> 01:21:16,238

COLLEAGUE, AN INSPIRATION, AND

1948

01:21:16,238 --> 01:21:17,639

HOPEFULLY YOU DOOMED MY CAREER

1949

01:21:17,639 --> 01:21:21,776

AS FUTURE NASA ADMINISTRATOR.

1950

01:21:21,776 --> 01:21:23,445

BECAUSE I DO REMEMBER YOU HAVE

1951

01:21:23,445 --> 01:21:24,579

BLACK HAIR AND YOU HAD HAIR

1952

01:21:24,579 --> 01:21:25,447

BEFORE YOU WERE NASA

1953

01:21:25,447 --> 01:21:27,182

ADMINISTRATOR.

1954

01:21:27,182 --> 01:21:28,383

A LITTLE TOO LATE FOR ME.

1955

01:21:28,383 --> 01:21:29,718

THANK YOU, MILES O'BRIEN, AND

1956

01:21:29,718 --> 01:21:32,554

ONE OF THE THINGS THAT WE DNA

1957

01:21:32,554 --> 01:21:36,091

WANT TO KNOW ABOUT MILES O'BRIEN

1958

01:21:36,091 --> 01:21:37,058

IS THAT HE HAS UNDERWEAR

1959

01:21:37,058 --> 01:21:39,728

IDENTIFIED BY THE DAY.

1960

01:21:39,728 --> 01:21:41,696

BUT THERE IS SOMETHING THAT --

1961

01:21:41,696 --> 01:21:45,567

MOST OF YOU, I HOPE, KNOW ABOUT

1962

01:21:45,567 --> 01:21:46,635

MILES O'BRIEN IS THAT MILES

1963

01:21:46,635 --> 01:21:47,936

HELPED US LEARN HOW TO REPAIR

1964

01:21:47,936 --> 01:21:49,404

THE ADVANCE CAMERA FOR SURVEYS

1965

01:21:49,404 --> 01:21:51,740

ON THE HUBBLE SPACE TELESCOPE IN

1966

01:21:51,740 --> 01:21:54,442

2008 AS HE'S THE ONLY REPORTER

1967

01:21:54,442 --> 01:21:56,678

EVER TO DIVE IN THE NEUTRAL

1968

01:21:56,678 --> 01:21:57,946

BUOYANCY LABORATORY AND WORK ON

1969

01:21:57,946 --> 01:21:59,714

THE HUBBLE SPACE TELESCOPE.

1970

01:21:59,714 --> 01:22:01,516

AND THANK YOU, MILES, FOR, YOU

1971

01:22:01,516 --> 01:22:02,651

KNOW, ALL OF YOUR WONDERFUL

1972

01:22:02,651 --> 01:22:04,052

REPORTING AND YOUR SUPPORT AND

1973

01:22:04,052 --> 01:22:11,426

COMMUNICATION.

1974

01:22:11,426 --> 01:22:12,661

I ALSO WANT TO THANK ROB NAVIAS,

1975

01:22:12,661 --> 01:22:14,562

AND I'M GOING TO GO OFF SCRIPT,

1976

01:22:14,562 --> 01:22:16,398

WHICH IS ALWAYS DANGEROUS, BUT

1977

01:22:16,398 --> 01:22:18,833

ROB AND I HAVE A SPECIAL BOND.

1978

01:22:18,833 --> 01:22:21,403

NOT JUST BECAUSE HE WAS THE

1979

01:22:21,403 --> 01:22:25,006

VOICE OF NASA FOR MY MISSIONS,

1980

01:22:25,006 --> 01:22:26,308

AND THE GOOD NEWS IS I WAS ON

1981

01:22:26,308 --> 01:22:29,411

BOARD, I DIDN'T HAVE TO LISTEN.

1982

01:22:29,411 --> 01:22:30,845

BUT MORE IMPORTANTLY, A PROJECT

1983

01:22:30,845 --> 01:22:32,781

THAT WE DID ON MY SECOND SPACE

1984

01:22:32,781 --> 01:22:36,685

FLIGHT, STS 81, WHICH I'M

1985

01:22:36,685 --> 01:22:38,520

REMEMBERED AS THE HUBBLE

1986

01:22:38,520 --> 01:22:39,754

REPAIRMAN, AND IT IS A TRUE

1987

01:22:39,754 --> 01:22:40,989

STORY THAT IN A CONVERSATION

1988

01:22:40,989 --> 01:22:45,960

WITH PRESIDENT OBAMA, FROM 600

1989

01:22:45,960 --> 01:22:46,394

KILOMETERS, 350 MILES ABOVE

1990

01:22:46,394 --> 01:22:49,364

EARTH, TRAVELING 17,500 MILES AN

1991

01:22:49,364 --> 01:22:51,366

HOUR, SOME FOLKS IN THE ROOM

1992

01:22:51,366 --> 01:22:53,501

WERE THERE, WE TALKED TO THE

1993

01:22:53,501 --> 01:22:55,203

PRESIDENT, SCOTT AHLMANN AND

1994

01:22:55,203 --> 01:22:56,604

MYSELF, AND THE FIRST THING HE

1995

01:22:56,604 --> 01:23:00,141

ASKED IS, CAN YOU SEE CHICAGO?

1996

01:23:00,141 --> 01:23:01,209

AND WE SAID, YES.

1997

01:23:01,209 --> 01:23:02,877

AND HE SAID, WOULD YOU PLEASE

1998

01:23:02,877 --> 01:23:05,647

CHECK ON MY LAWN.

1999

01:23:05,647 --> 01:23:07,916

WHICH SCOTT ALTMAN SAID, OKAY,

2000

01:23:07,916 --> 01:23:09,017

WE'LL DO THAT.

2001
01:23:09,017 --> 01:23:10,618
AND HE TURNED TO ME AND SAID,

2002
01:23:10,618 --> 01:23:12,120
ARE WE TALKING TO JOHN

2003
01:23:12,120 --> 01:23:12,287
GRUNSFELD?

2004
01:23:12,287 --> 01:23:13,121
AND I SAID, YES.

2005
01:23:13,121 --> 01:23:14,389
AND I SAID, OH.

2006
01:23:14,389 --> 01:23:15,824
YOU'RE THE HUBBLE REPAIRMAN.

2007
01:23:15,824 --> 01:23:17,692
AND SUDDENLY, I FELT LIKE WE'D

2008
01:23:17,692 --> 01:23:20,662
RISEN A FEW KILOMETERS UP IN THE

2009
01:23:20,662 --> 01:23:22,464
EARTH'S ORBIT.

2010
01:23:22,464 --> 01:23:24,699
AND AFTER HIS CLASSIC PREGNANT

2011
01:23:24,699 --> 01:23:25,967
PAUSE, THE PRESIDENT SAID, NOT

2012
01:23:25,967 --> 01:23:34,309
TO BE CONFUSED WITH THE MAY

2013
01:23:34,309 --> 01:23:35,510

TAG

2014

01:23:35,510 --> 01:23:35,777

REPAIRMAN.

2015

01:23:35,777 --> 01:23:37,612

FORTUNATELY THAT DID GIVE ME

2016

01:23:37,612 --> 01:23:38,880

ANOTHER ATTEMPT AT ANOTHER

2017

01:23:38,880 --> 01:23:39,280

CAREER.

2018

01:23:39,280 --> 01:23:40,281

ROB NAVIAS AND I ACTUALLY

2019

01:23:40,281 --> 01:23:41,716

SPARRED A LITTLE BIT BEFORE THE

2020

01:23:41,716 --> 01:23:42,016

FLIGHT.

2021

01:23:42,016 --> 01:23:43,284

THIS WAS A FLIGHT TO THE MIR

2022

01:23:43,284 --> 01:23:44,619

SPACE STATION, THE FIFTH FLIGHT

2023

01:23:44,619 --> 01:23:46,755

AND WE WERE TAKING JERRY UP AND

2024

01:23:46,755 --> 01:23:48,590

RETURNING JOHN.

2025

01:23:48,590 --> 01:23:51,393

AND I HAD THIS SORT OF CRAZY

2026

01:23:51,393 --> 01:23:54,896

IDEA, IT WAS CRAZY AT THE TIME,

2027

01:23:54,896 --> 01:23:57,899

TO CALL "CAR TALK" FROM SPACE.

2028

01:23:57,899 --> 01:24:00,168

WELL, NASA AT THE TIME WAS VERY

2029

01:24:00,168 --> 01:24:01,403

RETICENT TO BE INVOLVED IN

2030

01:24:01,403 --> 01:24:02,604

ANYTHING HAVING TO DO WITH

2031

01:24:02,604 --> 01:24:06,641

HUMOR.

2032

01:24:06,641 --> 01:24:09,010

IT'S RISKY.

2033

01:24:09,010 --> 01:24:10,712

I MEAN, SPACE FLIGHT WASN'T THAT

2034

01:24:10,712 --> 01:24:13,081

RISKY, BUT TALKING TO A COUPLE

2035

01:24:13,081 --> 01:24:15,617

OF COMEDIANS WAS RISKY.

2036

01:24:15,617 --> 01:24:17,185

BUT THEY'RE BOTH M.I.T. GRADS

2037

01:24:17,185 --> 01:24:19,554

AND I'M AN M.I.T. ALUM AND I DID

2038

01:24:19,554 --> 01:24:20,655

WORK IN THEIR GARAGE WHEN I WAS

2039

01:24:20,655 --> 01:24:21,523

A COLLEGE STUDENT.

2040

01:24:21,523 --> 01:24:23,458

THEY WEREN'T FAMOUS THEN.

2041

01:24:23,458 --> 01:24:24,993

I WASN'T FAMOUS THEN.

2042

01:24:24,993 --> 01:24:27,128

YOU KNOW, I WASN'T FAMOUS WHEN I

2043

01:24:27,128 --> 01:24:30,265

FLEW ON STS 81 AND I'M NOT THAT

2044

01:24:30,265 --> 01:24:32,567

FAMOUS NOW, BUT I DID WORK IN

2045

01:24:32,567 --> 01:24:33,701

THEIR GARAGE AND I HAD INVITED

2046

01:24:33,701 --> 01:24:35,136

THEM TO THE LAUNCH, AND THEIR

2047

01:24:35,136 --> 01:24:36,104

PRODUCER CALLED AND SAID, SORRY,

2048

01:24:36,104 --> 01:24:37,572

THEY DON'T LIKE TO TRAVEL.

2049

01:24:37,572 --> 01:24:38,873

AND I JUST THOUGHT THAT WAS VERY

2050

01:24:38,873 --> 01:24:39,007

ODD.

2051

01:24:39,007 --> 01:24:40,842

BUT WE GOT INTO A NICE

2052

01:24:40,842 --> 01:24:42,076

CONVERSATION, AND ANYWAY, ROB

2053

01:24:42,076 --> 01:24:43,945

WAS A PARTNER WITH US ON THAT

2054

01:24:43,945 --> 01:24:47,048

JOURNEY TO STS 81, AND WE DID

2055

01:24:47,048 --> 01:24:48,483

CALL "CAR TALK" FROM SPACE AND

2056

01:24:48,483 --> 01:24:49,684

THAT'S PROBABLY WHAT I'M BEST

2057

01:24:49,684 --> 01:24:52,620

KNOWN FOR IS CALLING "CAR TALK"

2058

01:24:52,620 --> 01:24:54,022

FROM THE SPACE SHUTTLE BUT THE

2059

01:24:54,022 --> 01:24:55,590

IMPORTANT PART OF THIS LONG

2060

01:24:55,590 --> 01:24:57,792

STORY IS THAT AFTERWARDS WE DID

2061

01:24:57,792 --> 01:24:59,594

OUR CREW BRIEF AND TO SENIOR

2062

01:24:59,594 --> 01:25:01,896

STAFF, GEORGE ABBEY WAS THE

2063

01:25:01,896 --> 01:25:02,831

CENTER DIRECTOR AT THE TIME AND

2064

01:25:02,831 --> 01:25:04,165

ROB WAS THERE AT THE TABLE AND

2065

01:25:04,165 --> 01:25:07,469

MIKE BAKER AND BRENT AND

2066

01:25:07,469 --> 01:25:10,271

MARSHALL IVANS AND MYSELF AND WE

2067

01:25:10,271 --> 01:25:11,539

HAD VIEW GRAPHS BACK THEN AND I

2068

01:25:11,539 --> 01:25:13,041

WAS THE VIEW GRAPH FLIPPER AND

2069

01:25:13,041 --> 01:25:14,209

IT WAS A QUICK BRIEF AND

2070

01:25:14,209 --> 01:25:16,344

AFTERWARDS, GEORGE ABBEY SAID --

2071

01:25:16,344 --> 01:25:19,714

MR. ABBEY SAID, DOES ANYBODY

2072

01:25:19,714 --> 01:25:20,448

HAVE ANYTHING ELSE?

2073

01:25:20,448 --> 01:25:21,649

OF COURSE NOBODY HAD ANYTHING

2074

01:25:21,649 --> 01:25:22,317

ELSE.

2075

01:25:22,317 --> 01:25:24,586

IT WAS A GOOD FLIGHT AND HE

2076

01:25:24,586 --> 01:25:25,753
PULLED OUT A LITTLE TAPE

2077

01:25:25,753 --> 01:25:27,255
RECORDER AND PUSHED PLAY, A

2078

01:25:27,255 --> 01:25:29,491
CASSETTE RECORDER AND I ACTUALLY

2079

01:25:29,491 --> 01:25:34,596
KNOW BECAUSE I HAD ONE, AN OLD

2080

01:25:34,596 --> 01:25:37,165
BELL AND HOWE AND HE PLAYED THE

2081

01:25:37,165 --> 01:25:38,366
WHOLE INTERVIEW AND HE TURNED TO

2082

01:25:38,366 --> 01:25:39,634
ROB NAVIAS, AND HE SAID, GOOD

2083

01:25:39,634 --> 01:25:39,767
JOB.

2084

01:25:39,767 --> 01:25:41,469
BUT THAT'S NOT THE INTERESTING

2085

01:25:41,469 --> 01:25:43,471
PART OF THE STORY.

2086

01:25:43,471 --> 01:25:45,773
AS WE'RE WALKING OUT -- AND HOW

2087

01:25:45,773 --> 01:25:46,808
MANY OF YOU KNOW GEORGE ABBEY?

2088

01:25:46,808 --> 01:25:47,976

I THOUGHT SO.

2089

01:25:47,976 --> 01:25:49,511
AS WE'RE WALKING OUT, YOU KNOW,

2090

01:25:49,511 --> 01:25:51,546
ONE BY ONE, HE'S SHAKING HANDS

2091

01:25:51,546 --> 01:25:54,949
WITH US, HE LEANS INTO ME AND HE

2092

01:25:54,949 --> 01:25:56,117
SAYS, NEXT TIME, LET'S DO "CAR

2093

01:25:56,117 --> 01:26:00,321
TALK."

2094

01:26:00,321 --> 01:26:02,991
I WAS ELATED.

2095

01:26:02,991 --> 01:26:05,260
FOR THOSE OF YOU WHO KNOW GEORGE

2096

01:26:05,260 --> 01:26:06,294
ABBEY, I SAID, THERE'S GOING TO

2097

01:26:06,294 --> 01:26:08,463
BE A NEXT TIME.

2098

01:26:08,463 --> 01:26:12,166
SO, THANK YOU ROB NAVIAS, AND

2099

01:26:12,166 --> 01:26:18,373
CONGRATULATIONS.

2100

01:26:18,373 --> 01:26:19,741
I WANT TO THANK MY FAMILY, MOST

2101
01:26:19,741 --> 01:26:26,247
OF ALL, AND CAROL GRUNSFELD IS

2102
01:26:26,247 --> 01:26:27,181
HERE IN THE AUDIENCE ASK MY

2103
01:26:27,181 --> 01:26:29,284
DAUGHTER IS IN SCHOOL, WHICH IS

2104
01:26:29,284 --> 01:26:30,652
WHERE SHE SHOULD BE, MY PARENTS

2105
01:26:30,652 --> 01:26:32,353
ARE NO LONGER WITH US, MY SISTER

2106
01:26:32,353 --> 01:26:33,821
MARCIA, YOU KNOW, I WAS INSPIRED

2107
01:26:33,821 --> 01:26:35,723
BY SO MANY PEOPLE, MANY OF WHOM

2108
01:26:35,723 --> 01:26:38,760
ARE IN THE ROOM, MANY OF WHOM

2109
01:26:38,760 --> 01:26:42,096
ARE NASA AWARDEES, JOHN YOUNG,

2110
01:26:42,096 --> 01:26:43,031
IN PARTICULAR, WHEN I WAS IN

2111
01:26:43,031 --> 01:26:45,266
GRADE SCHOOL, I CARRIED A LITTLE

2112
01:26:45,266 --> 01:26:46,501
GEMINI LUNCHBOX TO SCHOOL.

2113
01:26:46,501 --> 01:26:48,269

I HAD ABOUT THAT TIME DECLARED

2114

01:26:48,269 --> 01:26:49,871

TO MY MOTHER THAT I WANTED TO BE

2115

01:26:49,871 --> 01:26:51,072

AN ASTRONAUT AND SHE THOUGHT

2116

01:26:51,072 --> 01:26:51,806

THAT WAS GREAT.

2117

01:26:51,806 --> 01:26:54,042

IT MEANT I WOULD STUDY SCIENCE

2118

01:26:54,042 --> 01:26:55,043

AND MATH AND THERE WAS

2119

01:26:55,043 --> 01:26:56,244

ABSOLUTELY NO CHANCE I WOULD

2120

01:26:56,244 --> 01:26:58,313

EVER BECOME AN ASTRONAUT, AND SO

2121

01:26:58,313 --> 01:27:00,381

IT WAS THAT INSPIRATION VALUE

2122

01:27:00,381 --> 01:27:04,719

AND I CERTAINLY SHOWED HER.

2123

01:27:04,719 --> 01:27:06,754

I WAS KIND OF A PICKY EATER AS A

2124

01:27:06,754 --> 01:27:08,022

KID, AND SHE SAID, WELL, WHEN

2125

01:27:08,022 --> 01:27:09,791

YOU'RE IN SPACE, WHAT WILL YOU

2126

01:27:09,791 --> 01:27:10,224

EAT?

2127

01:27:10,224 --> 01:27:13,595

AND I SAID, CAPTAIN CRUNCH.

2128

01:27:13,595 --> 01:27:15,563

FOR FIVE SPACE SHUTTLE FLIGHTS

2129

01:27:15,563 --> 01:27:19,767

BEFORE LAUNCH, I ATE CAPTAIN

2130

01:27:19,767 --> 01:27:22,503

CRUNCH EVERY TIME FOR BREAKFAST.

2131

01:27:22,503 --> 01:27:23,871

BY THE WAY, I HAD A SIMILAR

2132

01:27:23,871 --> 01:27:25,006

CONVERSATION WITH MY WIFE 30

2133

01:27:25,006 --> 01:27:27,108

YEARS AGO WHEN WE FIRST STARTED

2134

01:27:27,108 --> 01:27:29,310

DATING, AND SHE SAID, WELL, WHAT

2135

01:27:29,310 --> 01:27:30,044

DO YOU WANT TO DO WHEN YOU GROW

2136

01:27:30,044 --> 01:27:31,446

UP AND I SAID I WANT TO BE AN

2137

01:27:31,446 --> 01:27:32,080

ASTRONAUT.

2138

01:27:32,080 --> 01:27:33,948

I DON'T THINK SHE BELIEVED ME

2139

01:27:33,948 --> 01:27:34,115

EITHER.

2140

01:27:34,115 --> 01:27:36,851

IT'S BEEN LIVING HELL EVER

2141

01:27:36,851 --> 01:27:37,018

SINCE.

2142

01:27:37,018 --> 01:27:38,686

I WANT TO THANK MY FRIENDS AND

2143

01:27:38,686 --> 01:27:39,587

COLLEAGUES IN A PARTICULAR

2144

01:27:39,587 --> 01:27:41,589

MOUNTAIN OF THE SPACE TELESCOPE

2145

01:27:41,589 --> 01:27:44,626

SCIENCE INSTITUTE.

2146

01:27:44,626 --> 01:27:45,860

A DEAR FRIEND AND A GREAT

2147

01:27:45,860 --> 01:27:48,196

SCHOLAR, GREAT LEADER AND HE

2148

01:27:48,196 --> 01:27:50,531

COULDN'T BE HERE TONIGHT, BUT

2149

01:27:50,531 --> 01:27:51,099

THANK YOU VERY MUCH.

2150

01:27:51,099 --> 01:27:53,067

EARLIER, WE HAD SOME STELLAR

2151
01:27:53,067 --> 01:27:54,369
AWARDS AND TEAM AWARDS AND

2152
01:27:54,369 --> 01:27:56,871
THERE'S ABSOLUTELY NO DOUBT THAT

2153
01:27:56,871 --> 01:27:57,972
YOU KNOW, I'M TOUCHED BY THIS

2154
01:27:57,972 --> 01:28:00,174
AWARD BUT IT IS A TEAM AWARD.

2155
01:28:00,174 --> 01:28:01,943
AND THE TEAM IS THE INCREDIBLE

2156
01:28:01,943 --> 01:28:03,611
NASA TEAM, THE FLIGHT CONTROL

2157
01:28:03,611 --> 01:28:05,046
TEAM, THE ENGINEERING TEAM, THE

2158
01:28:05,046 --> 01:28:07,482
HUBBLE SPACE TELESCOPE TEAM, OUR

2159
01:28:07,482 --> 01:28:09,250
CONTRACTORS, OUR PARTNERS IN

2160
01:28:09,250 --> 01:28:10,952
ACADEMIA, BUT THERE'S A SPECIAL

2161
01:28:10,952 --> 01:28:12,053
BOND THAT ASTRONAUTS HAVE WITH

2162
01:28:12,053 --> 01:28:13,788
THEIR CREW MATES AND I WOULD

2163
01:28:13,788 --> 01:28:16,424

JUST LIKE THE CREW MATES WHO ARE

2164

01:28:16,424 --> 01:28:17,925

HERE, I KNOW MIKE GOOD IS HERE,

2165

01:28:17,925 --> 01:28:19,861

MARCIA IVANS IS HERE, GREG

2166

01:28:19,861 --> 01:28:20,528

JOHNSON IS HERE.

2167

01:28:20,528 --> 01:28:21,562

IF YOU'D JUST STAND UP FOR A

2168

01:28:21,562 --> 01:28:23,564

MOMENT SO I COULD THANK YOU.

2169

01:28:23,564 --> 01:28:23,865

AND IF ANYBODY ELSE THAT I

2170

01:28:23,865 --> 01:28:27,402

MISSED IS HERE.

2171

01:28:27,402 --> 01:28:30,938

MEAGAN McARTHUR IS HERE.

2172

01:28:30,938 --> 01:28:31,506

MEAGAN, I DIDN'T SEE YOU.

2173

01:28:31,506 --> 01:28:36,511

I NEED A HUG.

2174

01:28:36,511 --> 01:28:39,414

THANK YOU VERY MUCH.

2175

01:28:39,414 --> 01:28:40,515

I ALSO WANT TO THANK THE

2176

01:28:40,515 --> 01:28:41,149

AMERICAN PEOPLE.

2177

01:28:41,149 --> 01:28:42,517

I MEAN, HOW INCREDIBLE IS IT

2178

01:28:42,517 --> 01:28:45,887

THAT WE GET TO DO WHAT WE DO ON

2179

01:28:45,887 --> 01:28:47,789

BEHALF OF THE AMERICAN PEOPLE.

2180

01:28:47,789 --> 01:28:49,223

THAT WE GET TO EXPLORE SPACE,

2181

01:28:49,223 --> 01:28:51,292

THAT WE GET TO UNRAVEL THE

2182

01:28:51,292 --> 01:28:52,126

MYSTERIES OF THE UNIVERSE, AND

2183

01:28:52,126 --> 01:28:53,594

WE GET TO SHARE THAT KNOWLEDGE,

2184

01:28:53,594 --> 01:28:55,196

NOT WITH JUST THE REST OF THE

2185

01:28:55,196 --> 01:28:59,100

COUNTRY BUT EVERYONE ON PLANET

2186

01:28:59,100 --> 01:28:59,434

EARTH.

2187

01:28:59,434 --> 01:29:02,603

I VIEW OUR SPACE EXPLORATIONS

2188

01:29:02,603 --> 01:29:04,739

AND OUR GOALS AT NASA TO

2189

01:29:04,739 --> 01:29:07,508

INNOVATE, EXPLORE, DISCOVER, AND

2190

01:29:07,508 --> 01:29:07,742

INSPIRE.

2191

01:29:07,742 --> 01:29:10,111

AND WE DO THAT TO ANSWER SOME

2192

01:29:10,111 --> 01:29:11,813

FUNDAMENTAL QUESTIONS ABOUT

2193

01:29:11,813 --> 01:29:13,414

OURSELVES, ABOUT OUR UNIVERSE,

2194

01:29:13,414 --> 01:29:14,682

WHERE DID WE COME FROM, WHERE

2195

01:29:14,682 --> 01:29:16,517

DID THE UNIVERSE COME FROM.

2196

01:29:16,517 --> 01:29:18,252

WHERE DID THE ATOMS THAT WE'RE

2197

01:29:18,252 --> 01:29:19,654

MADE OUT OF COME FROM, AND WE

2198

01:29:19,654 --> 01:29:20,755

ARE LEARNING THOSE STORIES.

2199

01:29:20,755 --> 01:29:21,422

IT IS A STORY.

2200

01:29:21,422 --> 01:29:23,725

HOW DID THE SOLAR SYSTEM FORM.

2201
01:29:23,725 --> 01:29:26,761
HOW DID LIFE FORM ON EARTH.

2202
01:29:26,761 --> 01:29:28,963
WHERE ARE WE GOING?

2203
01:29:28,963 --> 01:29:30,832
WHAT'S THE TRAJECTORY OF PLANET

2204
01:29:30,832 --> 01:29:32,266
EARTH IN THE FUTURE?

2205
01:29:32,266 --> 01:29:33,501
NOT JUST THE DISTANT FUTURE BUT

2206
01:29:33,501 --> 01:29:34,969
THE NEAR FUTURE.

2207
01:29:34,969 --> 01:29:36,671
PRETTY IMPORTANT QUESTION.

2208
01:29:36,671 --> 01:29:40,875
WHAT'S THE FATE OF THE UNIVERSE?

2209
01:29:40,875 --> 01:29:41,876
AND WHERE ARE WE AS THE HUMAN

2210
01:29:41,876 --> 01:29:42,543
SPECIES GOING?

2211
01:29:42,543 --> 01:29:44,045
ARE WE JUST GOING STAY HERE ON

2212
01:29:44,045 --> 01:29:46,013
EARTH, OR ARE WE GOING TO REACH

2213
01:29:46,013 --> 01:29:47,181

OUT, ARE WE GOING TO EXPLORE.

2214

01:29:47,181 --> 01:29:49,517

THE ANSWER IS YES, WE ARE.

2215

01:29:49,517 --> 01:29:50,585

AND THE QUESTION THAT'S

2216

01:29:50,585 --> 01:29:51,953

FASCINATING ME MOST OF LATE IS

2217

01:29:51,953 --> 01:29:54,655

THE QUESTION OF, ARE WE ALONE?

2218

01:29:54,655 --> 01:29:56,190

IS THERE LIFE BEYOND EARTH?

2219

01:29:56,190 --> 01:29:58,693

AND OUR SOLAR SYSTEM IN THE

2220

01:29:58,693 --> 01:29:58,860

UNIVERSE.

2221

01:29:58,860 --> 01:30:00,895

AND I'LL TAKE A QUICK POLL

2222

01:30:00,895 --> 01:30:01,796

BECAUSE IT'S FUN AND I'M NOT

2223

01:30:01,796 --> 01:30:02,997

GOING TO ASK HOW MANY OF YOU

2224

01:30:02,997 --> 01:30:04,532

THINK WE'RE ALONE IN THE

2225

01:30:04,532 --> 01:30:05,600

UNIVERSE, BUT A COMPOUND

2226

01:30:05,600 --> 01:30:06,501

QUESTION.

2227

01:30:06,501 --> 01:30:07,668

HOW MANY OF YOU THINK WE'RE NOT

2228

01:30:07,668 --> 01:30:08,469

ALONE IN THE UNIVERSE AND THAT

2229

01:30:08,469 --> 01:30:09,470

WE WILL FIND OUT IN THE NEXT 20

2230

01:30:09,470 --> 01:30:15,877

YEARS?

2231

01:30:15,877 --> 01:30:19,413

ALL OF SPACE IS A HUMAN

2232

01:30:19,413 --> 01:30:21,415

ENDEAVOR.

2233

01:30:21,415 --> 01:30:22,083

OUR ROBOTIC EXPLORERS, CURIOSITY

2234

01:30:22,083 --> 01:30:24,485

ON MARS, CURIOSITY HAS A TWITTER

2235

01:30:24,485 --> 01:30:24,685

ACCOUNT.

2236

01:30:24,685 --> 01:30:25,853

CURIOSITY IS A SHE.

2237

01:30:25,853 --> 01:30:28,422

A LOT OF US FOLLOW HER.

2238

01:30:28,422 --> 01:30:30,691

THE DAWN SPACECRAFT.

2239

01:30:30,691 --> 01:30:31,859

THE HUBBLE SPACE TELESCOPE.

2240

01:30:31,859 --> 01:30:33,694

I MEAN, YOU NAME IT.

2241

01:30:33,694 --> 01:30:38,599

ALL OF THOSE OBSERVATORIES DON'T

2242

01:30:38,599 --> 01:30:40,568

DISCOVER ANYTHING.

2243

01:30:40,568 --> 01:30:42,003

PLUTO NEW HORIZONS DIDN'T

2244

01:30:42,003 --> 01:30:42,703

DISCOVER ANYTHING.

2245

01:30:42,703 --> 01:30:45,273

PEOPLE HERE ON EARTH DISCOVER

2246

01:30:45,273 --> 01:30:46,741

THINGS USING THOSE ROBOTIC

2247

01:30:46,741 --> 01:30:47,041

TOOLS.

2248

01:30:47,041 --> 01:30:47,942

IT'S A HUMAN ACHIEVEMENT.

2249

01:30:47,942 --> 01:30:49,377

WE ARE VERY GOOD AT CREATING

2250

01:30:49,377 --> 01:30:52,680

THESE INNOVATIVE MISSIONS THAT

2251
01:30:52,680 --> 01:30:55,082
EXPLORE, DISCOVER.

2252
01:30:55,082 --> 01:30:58,886
WE'RE NOT SO GOOD AT CELEBRATING

2253
01:30:58,886 --> 01:31:00,421
THESE ACHIEVEMENTS AND I WANT TO

2254
01:31:00,421 --> 01:31:03,724
THANK RNASA FOR WORKING SO HARD

2255
01:31:03,724 --> 01:31:04,192
TO RECOGNIZE, HONOR, AND

2256
01:31:04,192 --> 01:31:05,626
CELEBRATE THESE ACHIEVEMENTS IN

2257
01:31:05,626 --> 01:31:07,695
SPACE, NOT THOSE FEW THINGS I'VE

2258
01:31:07,695 --> 01:31:09,230
DONE BUT THE FEW THINGS -- THE

2259
01:31:09,230 --> 01:31:10,765
MANY THINGS THAT WE ALL DO AND

2260
01:31:10,765 --> 01:31:13,367
THE OTHER AWARDEES.

2261
01:31:13,367 --> 01:31:16,037
THESE EFFORTS OCCUR BECAUSE OF

2262
01:31:16,037 --> 01:31:18,039
THE INCREDIBLE SKILLS OF A VERY

2263
01:31:18,039 --> 01:31:20,174

LARGE GROUP OF DEDICATED PEOPLE

2264

01:31:20,174 --> 01:31:24,412

IN THE NASA FAMILY.

2265

01:31:24,412 --> 01:31:25,546

I'VE COME TO CONCLUDE THAT NASA

2266

01:31:25,546 --> 01:31:34,555

IS REALLY A CULT.

2267

01:31:34,555 --> 01:31:35,323

THE CALL TO EXPLORE SPACE DRAWS

2268

01:31:35,323 --> 01:31:35,957

PEOPLE IN.

2269

01:31:35,957 --> 01:31:38,326

IT INCITES THEM TO WORK LONG

2270

01:31:38,326 --> 01:31:40,428

HOURS, INSANELY LONG HOURS, AND

2271

01:31:40,428 --> 01:31:42,029

MAKE SACRIFICES THAT AT TIMES

2272

01:31:42,029 --> 01:31:43,097

SEEMS WELL OVER THE TOP.

2273

01:31:43,097 --> 01:31:44,899

ANYBODY EXPERIENCE THAT?

2274

01:31:44,899 --> 01:31:45,733

ANY OF THE FAMILY MEMBERS HERE

2275

01:31:45,733 --> 01:31:48,002

THINK THAT?

2276

01:31:48,002 --> 01:31:48,970

WHY DO WE DO THESE MIGHTY

2277

01:31:48,970 --> 01:31:52,673

THINGS?

2278

01:31:52,673 --> 01:31:54,508

BECAUSE IT'S IMPORTANT.

2279

01:31:54,508 --> 01:31:57,278

BECAUSE IT'S ABOUT HUMANITY'S

2280

01:31:57,278 --> 01:31:57,411

FUTURE.

2281

01:31:57,411 --> 01:31:59,347

BECAUSE IT IS ESSENTIAL TO OUR

2282

01:31:59,347 --> 01:32:02,149

ECONOMY, HUMAN HEALTH, NATIONAL

2283

01:32:02,149 --> 01:32:05,953

DEFENSE, AND INSPIRING A NATION.

2284

01:32:05,953 --> 01:32:09,757

BECAUSE THE INSPIRATION, THE

2285

01:32:09,757 --> 01:32:11,659

WONDER AND AWE THAT NASA

2286

01:32:11,659 --> 01:32:12,860

MISSIONS GENERATE IS WHAT DRIVES

2287

01:32:12,860 --> 01:32:18,466

US ALL.

2288

01:32:18,466 --> 01:32:20,835

55 YEARS AGO, NOT FAR FROM WHERE

2289

01:32:20,835 --> 01:32:22,069

WE ARE TONIGHT, PRESIDENT JOHN

2290

01:32:22,069 --> 01:32:24,972

F. KENNEDY SPOKE THESE WORDS,

2291

01:32:24,972 --> 01:32:26,040

ALL TOO FAMOUS WORDS, AND I KNOW

2292

01:32:26,040 --> 01:32:27,208

YOU'VE HEARD THIS OVER AND OVER

2293

01:32:27,208 --> 01:32:30,044

AGAIN, BUT I COULDN'T HELP

2294

01:32:30,044 --> 01:32:31,879

MYSELF.

2295

01:32:31,879 --> 01:32:34,782

"WE CHOOSE TO GO TO THE MOON.

2296

01:32:34,782 --> 01:32:37,318

WE CHOOSE TO GO TO THE MOON IN

2297

01:32:37,318 --> 01:32:40,688

THIS DECADE AND DO THE OTHER

2298

01:32:40,688 --> 01:32:42,356

THINGS NOT BECAUSE THEY ARE EASY

2299

01:32:42,356 --> 01:32:44,659

BUT BECAUSE THEY ARE HARD.

2300

01:32:44,659 --> 01:32:48,930

BECAUSE THAT GOAL WILL SERVE TO

2301
01:32:48,930 --> 01:32:50,364
ORGANIZE AND MEASURE THE BEST OF

2302
01:32:50,364 --> 01:32:51,299
OUR ENERGIES AND SKILLS.

2303
01:32:51,299 --> 01:32:54,335
BECAUSE THAT CHALLENGE IS ONE WE

2304
01:32:54,335 --> 01:32:55,336
ARE WILLING TO ACCEPT AND ONE WE

2305
01:32:55,336 --> 01:32:57,705
ARE UNWILLING TO POSTPONE.

2306
01:32:57,705 --> 01:32:59,874
AND ONE WHICH WE INTEND TO WIN.

2307
01:32:59,874 --> 01:33:02,543
AND WE HAVE BEEN WINNING EVER

2308
01:33:02,543 --> 01:33:02,877
SINCE."

2309
01:33:02,877 --> 01:33:05,780
WE LEAD THE WORLD IN SPACE AND

2310
01:33:05,780 --> 01:33:06,414
EARTH SCIENCE.

2311
01:33:06,414 --> 01:33:10,318
WE LEAD THE WORLD IN HUMAN

2312
01:33:10,318 --> 01:33:10,584
EXPLORATION.

2313
01:33:10,584 --> 01:33:13,788

WE GOT OUR START WITH APOLLO AND

2314

01:33:13,788 --> 01:33:16,157

OUR INCREDIBLE LUNAR MISSIONS.

2315

01:33:16,157 --> 01:33:19,193

OUR AMAZING SPACE SHUTTLE

2316

01:33:19,193 --> 01:33:21,128

POWERED US TOWARDS TO HONE OUR

2317

01:33:21,128 --> 01:33:23,664

SKILLS IN SPACE WITH RELIABLE,

2318

01:33:23,664 --> 01:33:25,533

REUSABLE SPACE SYSTEMS.

2319

01:33:25,533 --> 01:33:29,503

WE PERFECTED SPACE ROBOTICS.

2320

01:33:29,503 --> 01:33:31,138

WE REFINED SPACE WALKING TO A

2321

01:33:31,138 --> 01:33:32,840

FINE ART AND I THINK WITH

2322

01:33:32,840 --> 01:33:35,343

HUBBLE, TO, YOU KNOW, INCREDIBLE

2323

01:33:35,343 --> 01:33:37,979

STATE WHERE WE WERE -- WE'RE

2324

01:33:37,979 --> 01:33:39,914

MOVING TINY SCREWS AND PULLING

2325

01:33:39,914 --> 01:33:41,782

CIRCUIT BOARDS IN SPACE.

2326
01:33:41,782 --> 01:33:43,150
WITH OUR SPACE AND EARTH SCIENCE

2327
01:33:43,150 --> 01:33:44,719
PROGRAM, WE HAVE UNRAVELLED THE

2328
01:33:44,719 --> 01:33:45,920
MYSTERIES OF THE UNIVERSE,

2329
01:33:45,920 --> 01:33:47,388
UNDERSTANDING OUR SUN IN GREATER

2330
01:33:47,388 --> 01:33:50,858
DETAIL, MERCURY, VENUS, MUCH

2331
01:33:50,858 --> 01:33:52,893
ABOUT THE EARTH, SOME OF WHICH

2332
01:33:52,893 --> 01:33:53,794
IS VERY DISTURBING.

2333
01:33:53,794 --> 01:33:56,130
OUR MOON, MARS, YOU KNOW, ON OUT

2334
01:33:56,130 --> 01:34:00,034
INTO THE SOLAR SYSTEM WITH JUNO

2335
01:34:00,034 --> 01:34:03,637
AND JUPITER NOW CASINI DOING

2336
01:34:03,637 --> 01:34:06,674
SOME INCREDIBLE GYMNASTICS AT

2337
01:34:06,674 --> 01:34:07,174
THE END OF ITS REMARKABLE

2338
01:34:07,174 --> 01:34:09,143

MISSION AND OF COURSE NEW

2339

01:34:09,143 --> 01:34:11,045

HORIZONS AND BEYOND.

2340

01:34:11,045 --> 01:34:12,880

THE MOST POWERFUL SCIENTIFIC

2341

01:34:12,880 --> 01:34:14,115

INSTRUMENT EVER CREATED BY

2342

01:34:14,115 --> 01:34:15,616

HUMANS AND WE'RE JUST GETTING

2343

01:34:15,616 --> 01:34:15,883

STARTED.

2344

01:34:15,883 --> 01:34:17,852

IN FACT, THIS WEEK IS HUBBLE'S

2345

01:34:17,852 --> 01:34:19,487

27th ANNIVERSARY IN SPACE.

2346

01:34:19,487 --> 01:34:31,098

HAPPY BIRTHDAY, HUBBLE.

2347

01:34:31,098 --> 01:34:31,599

ON THE INTERNATIONAL SPACE

2348

01:34:31,599 --> 01:34:34,201

STATION, WE HAVE NOT ONLY SHOWN

2349

01:34:34,201 --> 01:34:35,736

THAT IT SERVES TO ORGANIZE AND

2350

01:34:35,736 --> 01:34:38,039

MEASURE THE BEST OF OUR ENERGIES

2351
01:34:38,039 --> 01:34:39,607
BUT TO BRING TOGETHER THE BEST

2352
01:34:39,607 --> 01:34:42,576
EFFORTS OF NATIONS AROUND THE

2353
01:34:42,576 --> 01:34:42,743
WORLD.

2354
01:34:42,743 --> 01:34:43,677
OF COURSE THERE IS STILL MUCH

2355
01:34:43,677 --> 01:34:44,779
WORK TO BE DONE AND CHALLENGES

2356
01:34:44,779 --> 01:34:46,814
AHEAD OF US IN THE EXPLORATION

2357
01:34:46,814 --> 01:34:47,281
OF SPACE.

2358
01:34:47,281 --> 01:34:48,716
BUT I REALLY DO BELIEVE THE

2359
01:34:48,716 --> 01:34:51,585
PROSPECTS ARE INCREDIBLY BRIGHT.

2360
01:34:51,585 --> 01:34:53,187
FOR THE FIRST TIME IN HUMAN

2361
01:34:53,187 --> 01:34:54,755
HISTORY, WE HAVE A NUMBER OF NEW

2362
01:34:54,755 --> 01:34:57,591
CAPABILITIES COMING ONLINE FOR

2363
01:34:57,591 --> 01:34:58,893

EXPLORATION, THE SPACE LAUNCH

2364

01:34:58,893 --> 01:35:00,528

SYSTEM TO TAKE US FURTHER OUT

2365

01:35:00,528 --> 01:35:03,130

INTO THE SOLAR SYSTEM WITH HUMAN

2366

01:35:03,130 --> 01:35:04,965

EXPLORERS, SCIENTISTS, AND

2367

01:35:04,965 --> 01:35:05,399

ENGINEERS.

2368

01:35:05,399 --> 01:35:07,401

WE WILL SOON HAVE THE CAPABILITY

2369

01:35:07,401 --> 01:35:10,638

TO SEND PLANETARY SCIENTISTS AND

2370

01:35:10,638 --> 01:35:11,839

ASTROBIOLOGISTS TO THE SURFACE

2371

01:35:11,839 --> 01:35:13,507

OF MARS.

2372

01:35:13,507 --> 01:35:15,876

AND THE CURIOSITY LANDER --

2373

01:35:15,876 --> 01:35:18,712

ROVER HAS SHOWN US THAT MARS WAS

2374

01:35:18,712 --> 01:35:20,214

ONCE HABITABLE AND THAT IT'S ALL

2375

01:35:20,214 --> 01:35:22,149

THE INGREDIENTS OF LIFE, THAT IT

2376
01:35:22,149 --> 01:35:23,050
HAD THE CHEMISTRY THAT COULD

2377
01:35:23,050 --> 01:35:24,585
HAVE ENABLED LIFE AND WE'RE

2378
01:35:24,585 --> 01:35:26,620
SEEING SIGNS OF ORGANICS AND

2379
01:35:26,620 --> 01:35:29,523
SIGNATURES THAT LOOK VERY

2380
01:35:29,523 --> 01:35:30,958
CONFUSING TO US THAT COULD BE

2381
01:35:30,958 --> 01:35:32,760
EVEN FOSSIL EVIDENCE OF PAST

2382
01:35:32,760 --> 01:35:32,793
LIFE.

2383
01:35:32,793 --> 01:35:34,995
AND IT'S GOING TO TAKE MARS 2020

2384
01:35:34,995 --> 01:35:37,598
AND FURTHER INVESTIGATIONS, BUT

2385
01:35:37,598 --> 01:35:38,299
I THINK HUMAN EXPLORERS IS WHEN

2386
01:35:38,299 --> 01:35:40,134
WE'RE GOING TO MAKE THE MOST

2387
01:35:40,134 --> 01:35:40,935
PROGRESS.

2388
01:35:40,935 --> 01:35:44,405

WE HAVE THE ORION SPACECRAFT.

2389

01:35:44,405 --> 01:35:45,940

WE HAVE COMMERCIAL CREW

2390

01:35:45,940 --> 01:35:46,407

TRANSPORTATION.

2391

01:35:46,407 --> 01:35:48,943

WE HAVE NEW HEAVY LIFT VEHICLES

2392

01:35:48,943 --> 01:35:50,945

SUCH AS THE BLUE ORIGIN COMING

2393

01:35:50,945 --> 01:35:53,380

ONLINE AND THAT ADDS TO WHAT IS

2394

01:35:53,380 --> 01:35:54,715

A REMARKABLY RELIABLE STABLE OF

2395

01:35:54,715 --> 01:35:57,618

LAUNCH VEHICLES, THE ATLAS 5 AND

2396

01:35:57,618 --> 01:35:58,419

DELTA 4.

2397

01:35:58,419 --> 01:35:59,854

THERE'S SOME DEVELOPMENTS YOU

2398

01:35:59,854 --> 01:36:00,921

PROBABLY DON'T KNOW MUCH ABOUT,

2399

01:36:00,921 --> 01:36:02,623

THINGS LIKE THE VENTURE CLASS

2400

01:36:02,623 --> 01:36:04,458

LAUNCH SYSTEM, A NEW SMALL CLASS

2401
01:36:04,458 --> 01:36:06,627
OF LAUNCHERS THAT'S GOING TO

2402
01:36:06,627 --> 01:36:09,096
ENABLE A WHOLE NEW GENERATION OF

2403
01:36:09,096 --> 01:36:10,898
SCIENCE CAPABILITIES IN LOW

2404
01:36:10,898 --> 01:36:11,732
EARTH ORBIT AND MAYBE EVEN TO

2405
01:36:11,732 --> 01:36:12,433
THE MOON.

2406
01:36:12,433 --> 01:36:14,635
FOR THE FIRST TIME IN HUMAN

2407
01:36:14,635 --> 01:36:15,769
HISTORY, WE HAVE EFFORTS AND

2408
01:36:15,769 --> 01:36:17,872
WORK TO ANSWER THAT QUESTION,

2409
01:36:17,872 --> 01:36:20,174
ARE WE ALONE IN THE UNIVERSE.

2410
01:36:20,174 --> 01:36:21,742
PERHAPS THE JAMES WEBB SPACE

2411
01:36:21,742 --> 01:36:24,111
TELESCOPE WILL GET US A LITTLE

2412
01:36:24,111 --> 01:36:24,912
BIT FURTHER, LOOKING AT THE

2413
01:36:24,912 --> 01:36:26,413

ATMOSPHERES OF PLANETS AROUND

2414

01:36:26,413 --> 01:36:30,718

NEARBY STARS, LAUNCHING OCTOBER

2415

01:36:30,718 --> 01:36:30,851

2018.

2416

01:36:30,851 --> 01:36:34,155

THE MARS 2020 ROVER IS GOING TO

2417

01:36:34,155 --> 01:36:34,288

CACHE SAMPLES FOR RETURN TO

2418

01:36:34,288 --> 01:36:36,423

EARTH THAT, WHO KNOWS, COULD

2419

01:36:36,423 --> 01:36:37,958

CONTAIN INCLUSIONS INSIDE OF

2420

01:36:37,958 --> 01:36:39,293

THOSE ROCKS THAT WILL TELL US

2421

01:36:39,293 --> 01:36:43,130

THAT LIFE DID EXIST ON MARS

2422

01:36:43,130 --> 01:36:43,898

ABOUT THE SAME TIME LIFE STARTED

2423

01:36:43,898 --> 01:36:44,465

ON EARTH.

2424

01:36:44,465 --> 01:36:46,834

THE EUROPA CLIPPER WILL SAIL

2425

01:36:46,834 --> 01:36:50,771

THROUGH PLUMES OF WATER FROM AN

2426
01:36:50,771 --> 01:36:51,939
UNDER ICE OCEAN THAT HAS BEEN

2427
01:36:51,939 --> 01:36:53,741
SITTING THERE PERCOLATING, A

2428
01:36:53,741 --> 01:36:54,942
WARM SALTY OCEAN WITH ORGANICS

2429
01:36:54,942 --> 01:36:57,811
AND CONNECTIONS TO UNDERSEA

2430
01:36:57,811 --> 01:36:58,946
VENTS FOR 4.5 BILLION YEARS.

2431
01:36:58,946 --> 01:37:00,881
IF LIFE ISN'T THAT HARD TO GET

2432
01:37:00,881 --> 01:37:01,715
STARTED, THERE'S PROBABLY LIFE

2433
01:37:01,715 --> 01:37:03,317
THERE AND WE'RE GOING TO SAIL

2434
01:37:03,317 --> 01:37:06,220
THROUGH THOSE PLAUMZ AND SEE IF

2435
01:37:06,220 --> 01:37:07,721
WE CAN DETECT THOSE SIGNS OF

2436
01:37:07,721 --> 01:37:08,088
LIFE.

2437
01:37:08,088 --> 01:37:10,391
A LANDER ON EUROPA IS JUST

2438
01:37:10,391 --> 01:37:11,926

GETTING STARTED.

2439

01:37:11,926 --> 01:37:17,031

IN 2018, THE SURVEY SATELLITE IS

2440

01:37:17,031 --> 01:37:19,066

GOING TO LAUNCH AND TELL US

2441

01:37:19,066 --> 01:37:20,701

WHERE OUR NEAR NEIGHBOR PLANETS

2442

01:37:20,701 --> 01:37:21,869

ARE THAT ARE EARTH SIZED WITH

2443

01:37:21,869 --> 01:37:23,304

ATMOSPHERES AND WE KNOW HOW TO

2444

01:37:23,304 --> 01:37:25,773

BUILD A NEW TELESCOPE BEYOND

2445

01:37:25,773 --> 01:37:27,541

JAMES WEBB THAT REALLY WOULD

2446

01:37:27,541 --> 01:37:29,276

HAVE THE CAPABILITIES TO ANALYZE

2447

01:37:29,276 --> 01:37:32,346

THE ATMOSPHERES OF PLANETS --

2448

01:37:32,346 --> 01:37:35,783

EARTH-LIKE PLANETS AROUND NEARBY

2449

01:37:35,783 --> 01:37:37,418

STARS AND SEE SIGNS OF LIFE IF

2450

01:37:37,418 --> 01:37:38,185

THEY EXIST AND I THINK WE'RE

2451
01:37:38,185 --> 01:37:39,486
GOING TO HAVE HUMANS BUILDING

2452
01:37:39,486 --> 01:37:41,956
THOSE TELESCOPES.

2453
01:37:41,956 --> 01:37:42,890
THIS BRIGHT FUTURE IS NOT

2454
01:37:42,890 --> 01:37:44,391
WITHOUT CHALLENGES.

2455
01:37:44,391 --> 01:37:46,827
TO CREATE THAT FUTURE, WE NEED

2456
01:37:46,827 --> 01:37:48,796
TO DARE MIGHTY THINGS.

2457
01:37:48,796 --> 01:37:51,465
TO UNDERTAKE HIGH PERFORMANCE

2458
01:37:51,465 --> 01:37:51,999
CHALLENGES.

2459
01:37:51,999 --> 01:37:54,635
WE NEED TO BE BOLD AND

2460
01:37:54,635 --> 01:37:55,803
AUDACIOUS, NOT INCREMENTAL.

2461
01:37:55,803 --> 01:37:57,304
WE NEED STRONG AND TECHNICALLY

2462
01:37:57,304 --> 01:37:58,639
CAPABLE LEADERSHIP, AND WE NEED

2463
01:37:58,639 --> 01:38:00,774

TO BE WILLING TO MAKE BIG

2464

01:38:00,774 --> 01:38:05,312

DECISIONS AND TO TAKE RISKS.

2465

01:38:05,312 --> 01:38:08,315

I PERSONALLY BELIEVE OUR NEXT

2466

01:38:08,315 --> 01:38:10,484

FRONTIER FOR EXPLORATION IS THE

2467

01:38:10,484 --> 01:38:11,085

EXPLORATION OF MARS.

2468

01:38:11,085 --> 01:38:12,319

WE HAVE THE KNOWLEDGE, THE

2469

01:38:12,319 --> 01:38:13,954

CAPABILITY, THE RESOURCES, THE

2470

01:38:13,954 --> 01:38:16,056

VEHICLES TO EMBARK ON THIS NEXT

2471

01:38:16,056 --> 01:38:17,391

GRAND ADVENTURE, BUT PERHAPS THE

2472

01:38:17,391 --> 01:38:19,026

MOST IMPORTANT CHALLENGE OF ALL

2473

01:38:19,026 --> 01:38:22,296

THAT WE NEED TO ADDRESS FOR

2474

01:38:22,296 --> 01:38:24,465

SPACE EXPLORATION IS ALL OTHER

2475

01:38:24,465 --> 01:38:25,699

PROGRESS IN THIS COUNTRY IS TO

2476
01:38:25,699 --> 01:38:28,602
SUPPORT AND IMPROVE OUR NATION'S

2477
01:38:28,602 --> 01:38:32,406
SCIENCE, TECHNOLOGY, ENGINEERING

2478
01:38:32,406 --> 01:38:33,340
AND MATHEMATICS EDUCATION

2479
01:38:33,340 --> 01:38:33,474
EFFORTS.

2480
01:38:33,474 --> 01:38:34,908
IN THE END, THIS MAY BE THE MOST

2481
01:38:34,908 --> 01:38:36,677
IMPORTANT CHALLENGE OF ALL.

2482
01:38:36,677 --> 01:38:38,078
I'M OPTIMISTIC AND EXCITED ABOUT

2483
01:38:38,078 --> 01:38:39,513
OUR FUTURE IN SPACE AND ON

2484
01:38:39,513 --> 01:38:39,647
EARTH.

2485
01:38:39,647 --> 01:38:41,048
THANK YOU FOR YOUR ATTENTION.

2486
01:38:41,048 --> 01:38:42,683
THANK YOU FOR AWARDING ME THE

2487
01:38:42,683 --> 01:38:44,451
ROTARY NATIONAL AWARD FOR SPACE

2488
01:38:44,451 --> 01:38:44,585

ACHIEVEMENT.

2489

01:38:44,585 --> 01:38:45,319

I'M TRULY HONORED AND HUMBLLED.

2490

01:38:45,319 --> 01:39:09,977

THANK YOU VERY MUCH.

2491

01:39:09,977 --> 01:39:20,521

■■■

2492

01:39:20,521 --> 01:39:22,022

>> JUST GOING TO LEAVE THAT

2493

01:39:22,022 --> 01:39:24,725

TROPHY BEHIND.

2494

01:39:24,725 --> 01:39:26,994

YOU KNOW, ONE THING I'D LIKE TO

2495

01:39:26,994 --> 01:39:28,829

ADD ABOUT THAT -- THAT TRIP INTO

2496

01:39:28,829 --> 01:39:35,636

THE MBL, THE NEUTRAL BUOYANCY

2497

01:39:35,636 --> 01:39:35,769

LABORATORY.

2498

01:39:35,769 --> 01:39:36,870

IF YOU'LL RECALL, WHEN I DID

2499

01:39:36,870 --> 01:39:38,305

THAT, I WAS WORKING FOR CNN, AND

2500

01:39:38,305 --> 01:39:40,040

THEN THAT MISSION GOT DELAYED BY

2501
01:39:40,040 --> 01:39:42,076
QUITE SOME TIME.

2502
01:39:42,076 --> 01:39:44,044
BY THE TIME THE MISSION FLEW, I

2503
01:39:44,044 --> 01:39:46,513
WAS NO LONGER WITH CNN.

2504
01:39:46,513 --> 01:39:49,350
I HAD BEEN DUMPED.

2505
01:39:49,350 --> 01:39:51,118
SO, IN FACT, THE ENTIRE SCIENCE

2506
01:39:51,118 --> 01:39:52,553
AND TECHNOLOGY UNIT GOT DUMPED

2507
01:39:52,553 --> 01:39:53,220
BECAUSE WE KNEW NOTHING ABOUT

2508
01:39:53,220 --> 01:39:56,056
THE KARDASHIANS.

2509
01:39:56,056 --> 01:39:57,658
AND I FELT A LITTLE BIT BAD

2510
01:39:57,658 --> 01:39:59,793
ABOUT THAT, BECAUSE ALL THAT

2511
01:39:59,793 --> 01:40:01,662
MATERIAL THAT I SHOT OF ME DOING

2512
01:40:01,662 --> 01:40:02,696
LAPS IN THE POOL AND ALL THE

2513
01:40:02,696 --> 01:40:04,732

THINGS YOU GOT TO DO WAS NO

2514

01:40:04,732 --> 01:40:07,267

LONGER MY PROPERTY.

2515

01:40:07,267 --> 01:40:08,936

HOWEVER, EVERYTHING SHOT

2516

01:40:08,936 --> 01:40:11,004

UNDERWATER WAS PUBLIC DOMAIN

2517

01:40:11,004 --> 01:40:13,173

NASA FOOTAGE SO I DID PUT

2518

01:40:13,173 --> 01:40:16,410

TOGETHER A LITTLE PIECE.

2519

01:40:16,410 --> 01:40:18,712

IT, OF ME DOING THE PGT WITH HIM

2520

01:40:18,712 --> 01:40:19,780

AND IN THE HUBBLE.

2521

01:40:19,780 --> 01:40:20,647

IT WAS PRETTY AWESOME.

2522

01:40:20,647 --> 01:40:22,516

AND THE REASON I BRING THIS UP,

2523

01:40:22,516 --> 01:40:24,418

NOT JUST TO BRAG, BUT THAT WAS A

2524

01:40:24,418 --> 01:40:27,454

GOOD BRAG, ACTUALLY, BUT IS

2525

01:40:27,454 --> 01:40:30,357

THROUGHOUT HIS CAREER, JOHN HAS

2526

01:40:30,357 --> 01:40:34,795

ALWAYS GONE OUT OF HIS WAY TO DO

2527

01:40:34,795 --> 01:40:36,363

WHAT HE CAN TO COMMUNICATE THE

2528

01:40:36,363 --> 01:40:38,198

WONDERMENT OF WHAT YOU ALL DO IN

2529

01:40:38,198 --> 01:40:38,732

SPACE.

2530

01:40:38,732 --> 01:40:40,534

AND IT'S HARD SOMETIMES TO COME

2531

01:40:40,534 --> 01:40:43,804

UP WITH WORDS THAT WORK.

2532

01:40:43,804 --> 01:40:45,839

YOU KNOW, WE TRY AS JOURNALISTS,

2533

01:40:45,839 --> 01:40:48,409

AS YOU HEARD ROB TRYING TO TELL

2534

01:40:48,409 --> 01:40:50,177

THE STORY, BUT THESE ARE THE

2535

01:40:50,177 --> 01:40:52,379

GUYS -- THERE AREN'T MANY BEATS

2536

01:40:52,379 --> 01:40:53,180

YOU COVER WHERE YOU CAN'T GO TO

2537

01:40:53,180 --> 01:40:53,614

THE LOCATION.

2538

01:40:53,614 --> 01:40:54,648

THIS IS ONE OF THEM.

2539

01:40:54,648 --> 01:40:56,049

AND HE'S ALWAYS DONE A GREAT JOB

2540

01:40:56,049 --> 01:40:57,718

IN TRYING TO SHARE IT WITH

2541

01:40:57,718 --> 01:41:01,021

OTHERS AND FOR THAT, I COMMEND

2542

01:41:01,021 --> 01:41:01,388

HIM.

2543

01:41:01,388 --> 01:41:01,622

LET'S GIVE HIM ANOTHER ROUND OF

2544

01:41:01,622 --> 01:41:08,028

APPLAUSE FOR THAT.

2545

01:41:08,028 --> 01:41:10,397

SO, IT HAS NOW BEEN 60 YEARS

2546

01:41:10,397 --> 01:41:14,234

SINCE OMEGA ROLLED OUT ITS

2547

01:41:14,234 --> 01:41:15,936

VENERABLE SPEED MASTER WATCH.

2548

01:41:15,936 --> 01:41:17,271

THIS IS LIKE THE HOME SHOPPING

2549

01:41:17,271 --> 01:41:18,605

CHANNEL RIGHT NOW.

2550

01:41:18,605 --> 01:41:22,776

AS MANY OF YOU KNOW, IN 1963, IT

2551
01:41:22,776 --> 01:41:24,678
BECAME THE FIRST WATCH TO PASS

2552
01:41:24,678 --> 01:41:26,246
NASA'S RIGOROUS TESTING FOR

2553
01:41:26,246 --> 01:41:27,581
FLIGHT QUALIFICATION, AND SOME

2554
01:41:27,581 --> 01:41:29,216
GUY JUST WENT TO A JEWELRY PLACE

2555
01:41:29,216 --> 01:41:32,786
IN HOUSTON, BOUGHT SOME WATCHES,

2556
01:41:32,786 --> 01:41:34,788
AND THAT WAS THE ONE THAT

2557
01:41:34,788 --> 01:41:34,922
PASSED.

2558
01:41:34,922 --> 01:41:36,523
OUR NEXT SPEAKER FLEW IN SPACE

2559
01:41:36,523 --> 01:41:43,297
JUST A FEW YEARS LATER, GEMINI

2560
01:41:43,297 --> 01:41:43,497
6A.

2561
01:41:43,497 --> 01:41:44,865
WHAT DO YOU DO?

2562
01:41:44,865 --> 01:41:46,099
HE WOULD KNOW.

2563
01:41:46,099 --> 01:41:47,568

PLEASE GIVE A WARM WELCOME TO

2564

01:41:47,568 --> 01:41:49,236

ONE OF THE GREAT PRIDES OF

2565

01:41:49,236 --> 01:41:50,938

OKLAHOMA, ONE OF THE ALL-TIME

2566

01:41:50,938 --> 01:41:53,006

GREATEST AVIATORS EVER, AND A

2567

01:41:53,006 --> 01:41:55,609

GENERALLY AWESOME GUY, HE HAS A

2568

01:41:55,609 --> 01:41:57,344

LITTLE SURPRISE FROM OMEGA FOR

2569

01:41:57,344 --> 01:41:58,278

OUR HONOREE TONIGHT.

2570

01:41:58,278 --> 01:42:00,447

I DON'T WANT TO SURPRISE IT AND

2571

01:42:00,447 --> 01:42:02,449

RUIN THE SURPRISE, AND SPOIL IT

2572

01:42:02,449 --> 01:42:04,017

BUT HE DOES HAVE A SURPRISE.

2573

01:42:04,017 --> 01:42:04,852

GIVE IT UP FOR LIEUTENANT

2574

01:42:04,852 --> 01:42:07,321

GENERAL THOMAS P. STAFFORD.

2575

01:42:07,321 --> 01:42:21,668

■ ■

2576

01:42:21,668 --> 01:42:25,239

>> THANK YOU, MILES, AND AGAIN,

2577

01:42:25,239 --> 01:42:28,442

IT'S THE REAL HONOR FOR THE

2578

01:42:28,442 --> 01:42:29,710

OMEGA WATCH CORPORATION TO

2579

01:42:29,710 --> 01:42:33,313

SUPPORT RNASA AND TO PRESENT

2580

01:42:33,313 --> 01:42:36,416

THIS PROFESSIONAL SPEED MASTER

2581

01:42:36,416 --> 01:42:38,719

TO JOHN GRUNSFELD.

2582

01:42:38,719 --> 01:42:40,053

CONGRATULATIONS ON AN ACTUAL

2583

01:42:40,053 --> 01:42:41,021

SPACE AWARD, JOHN.

2584

01:42:41,021 --> 01:42:42,289

OUTSTANDING CAREER AS AN

2585

01:42:42,289 --> 01:42:44,424

ASTRONAUT AND THEN LATER ON

2586

01:42:44,424 --> 01:42:46,994

ASSOCIATE ADMINISTRATOR OF NASA

2587

01:42:46,994 --> 01:42:49,630

AND YOU'VE DONE SO MUCH TO HELP.

2588

01:42:49,630 --> 01:42:51,298

I'D LIKE TO MAKE A COUPLE

2589

01:42:51,298 --> 01:42:51,431
OBSERVATIONS.

2590

01:42:51,431 --> 01:42:54,368
AS WE LOOKED AT THE STELLAR

2591

01:42:54,368 --> 01:42:57,504
AWARD WINNERS AND ALL THE PEOPLE

2592

01:42:57,504 --> 01:42:59,306
HERE, WE HAVE SO MUCH TALENT IN

2593

01:42:59,306 --> 01:43:00,541
THIS COUNTRY.

2594

01:43:00,541 --> 01:43:04,378
YET, AT TIMES, WE TAKE DIPS, AND

2595

01:43:04,378 --> 01:43:07,047
AS MIKE GRIFFIN FOUND OUT AS

2596

01:43:07,047 --> 01:43:08,048
NASA ADMINISTRATOR AND I'M SURE

2597

01:43:08,048 --> 01:43:10,117
YOU HAVE FOUND AS THE ASSOCIATE

2598

01:43:10,117 --> 01:43:12,519
ADMINISTRATOR FOR SCIENCE, THAT

2599

01:43:12,519 --> 01:43:15,689
WITH POLITICAL UPS AND DOWNS, IT

2600

01:43:15,689 --> 01:43:18,225
DOES -- IT MAKES IT GO SLOWER

2601
01:43:18,225 --> 01:43:20,294
AND WE COULD HAVE BEEN A LOT

2602
01:43:20,294 --> 01:43:22,729
FARTHER BUT WE'VE HAD SOME MAJOR

2603
01:43:22,729 --> 01:43:24,965
SETBACKS AND MOST OF IT IS

2604
01:43:24,965 --> 01:43:27,334
POLITICAL AND THEN ALSO MAYBE A

2605
01:43:27,334 --> 01:43:33,874
FEW IDEAS BY PEOPLE WHO WERE

2606
01:43:33,874 --> 01:43:35,275
ONB, WHAT WE HAVE TO DO, BUT

2607
01:43:35,275 --> 01:43:38,445
THIS -- I GAVE CONGRESSIONAL

2608
01:43:38,445 --> 01:43:39,947
TESTIMONY TO THE HOUSE SCIENCE

2609
01:43:39,947 --> 01:43:42,749
SPACE AND TECH COMMITTEE IN

2610
01:43:42,749 --> 01:43:43,417
FEBRUARY IN THEIR OPENING

2611
01:43:43,417 --> 01:43:45,552
HEARING SESSION, AND MY MAIN

2612
01:43:45,552 --> 01:43:48,755
PLEA WAS, LET'S HAVE SOME

2613
01:43:48,755 --> 01:43:50,390

CONSISTENCY IN THIS AND

2614

01:43:50,390 --> 01:43:51,792

CONTINUAL SUPPORT AND NOT UP AND

2615

01:43:51,792 --> 01:44:01,802

DOWN.

2616

01:44:01,802 --> 01:44:04,838

WE HAVE COME A LONG WAY IN THIS

2617

01:44:04,838 --> 01:44:07,274

PERIOD OF TIME, BUT THINK HOW

2618

01:44:07,274 --> 01:44:08,976

MUCH FARTHER WE COULD BE OR HOW

2619

01:44:08,976 --> 01:44:11,378

MUCH FARTHER WE COULD GO IF WE

2620

01:44:11,378 --> 01:44:13,947

HAVE CONSISTENT SUPPORT.

2621

01:44:13,947 --> 01:44:18,385

AND THIS IS THE MAIN PLEA, BUT

2622

01:44:18,385 --> 01:44:19,786

WE HAVE GREAT PEOPLE, AND JOHN,

2623

01:44:19,786 --> 01:44:22,990

YOU HAVE EXEMPLIFIED ON THE

2624

01:44:22,990 --> 01:44:25,659

HUBBLE TELESCOPE, AND THOSE

2625

01:44:25,659 --> 01:44:27,127

REPAIRS, AND THE -- AND YOUR JOB

2626

01:44:27,127 --> 01:44:29,196

THERE AS ASSOCIATE

2627

01:44:29,196 --> 01:44:30,297

ADMINISTRATOR, THE HUBBLE

2628

01:44:30,297 --> 01:44:32,232

TELESCOPE HAS A SPECIAL MEANING

2629

01:44:32,232 --> 01:44:33,333

FOR ME TOO.

2630

01:44:33,333 --> 01:44:36,770

MY FIRST, QUOTE, VOLUNTEER JOB,

2631

01:44:36,770 --> 01:44:38,772

THAT DAN GOLDEN HIT ME UP FOR

2632

01:44:38,772 --> 01:44:41,074

WAS TO CHAIR THE OVERSIGHT

2633

01:44:41,074 --> 01:44:42,209

COMMITTEE FOR THE INTERNATIONAL

2634

01:44:42,209 --> 01:44:44,845

SPACE STATION, AND MY EXECUTIVE

2635

01:44:44,845 --> 01:44:48,415

SECRETARY WAS BILL VAN DINE HERE

2636

01:44:48,415 --> 01:44:50,217

AND THE MAIN THING WAS NOT

2637

01:44:50,217 --> 01:44:50,283

TECHNICAL.

2638

01:44:50,283 --> 01:44:52,219

WE HAD TO DO SOME REAL HEAD

2639

01:44:52,219 --> 01:44:53,920
KNOCKING IN MANAGEMENT.

2640

01:44:53,920 --> 01:44:56,957
BUT WE GOT IT DONE, AND IN FACT,

2641

01:44:56,957 --> 01:45:00,327
I HAD TO GIVE TESTIMONY BECAUSE,

2642

01:45:00,327 --> 01:45:02,229
AGAIN, THE SCIENCE COMMITTEE

2643

01:45:02,229 --> 01:45:04,498
DOUBTED THAT WE COULD REPAIR

2644

01:45:04,498 --> 01:45:06,333
THAT TELESCOPE, WHICH IS ONE OF

2645

01:45:06,333 --> 01:45:09,870
THE GREATEST INSTRUMENTS EVER

2646

01:45:09,870 --> 01:45:10,170
INVENTED.

2647

01:45:10,170 --> 01:45:14,741
BUT I THOUGHT IT WOULD CARRY OUT

2648

01:45:14,741 --> 01:45:15,208
95% OF THE PRIMARY AND PROBABLY

2649

01:45:15,208 --> 01:45:16,943
80% TO 85% OF THE SECONDARY.

2650

01:45:16,943 --> 01:45:19,513
WE DID 100% OF THE PRIMARY AND

2651
01:45:19,513 --> 01:45:21,515
PROBABLY 110% OF THE

2652
01:45:21,515 --> 01:45:21,748
SECONDARIES.

2653
01:45:21,748 --> 01:45:23,450
AND IT CONTINUED ON THROUGH

2654
01:45:23,450 --> 01:45:24,451
THOSE SERVICING MISSIONS, AND

2655
01:45:24,451 --> 01:45:27,120
YOU DID A SUPER JOB.

2656
01:45:27,120 --> 01:45:28,355
WE'RE SO PROUD OF YOU.

2657
01:45:28,355 --> 01:45:30,991
AND SO, CONGRATULATIONS, AND

2658
01:45:30,991 --> 01:45:32,225
AGAIN, OUR MARKETING PEOPLE MADE

2659
01:45:32,225 --> 01:45:45,706
A BIG BOX FOR A SMALL WATCH.

2660
01:45:45,706 --> 01:45:47,708
>> THANK YOU.

2661
01:45:47,708 --> 01:45:48,775
>> MILES MENTIONED IT WAS 60

2662
01:45:48,775 --> 01:45:50,410
YEARS AGO THIS YEAR THAT THE

2663
01:45:50,410 --> 01:45:53,447

PROFESSIONAL SPEED MASTER WAS

2664

01:45:53,447 --> 01:45:55,449

PERFECTED, AND NOW FIVE YEARS

2665

01:45:55,449 --> 01:45:59,186

LATER, WALLY WORE IT AND ALL THE

2666

01:45:59,186 --> 01:46:02,889

WAY THROUGH GEMINI, APOLLO, SKY

2667

01:46:02,889 --> 01:46:04,124

LAB AND THE FIRST SERIES OF

2668

01:46:04,124 --> 01:46:05,892

SHUTTLE FLIGHTS.

2669

01:46:05,892 --> 01:46:09,629

SO, IT'S A GREAT WATCH.

2670

01:46:09,629 --> 01:46:10,864

AND IT'S STILL -- IT'S NOW AN

2671

01:46:10,864 --> 01:46:14,468

ANTIQUUE, BUT IT WORKS REAL WELL.

2672

01:46:14,468 --> 01:46:16,369

BUT IT WILL KEEP GREAT TIME FOR

2673

01:46:16,369 --> 01:46:17,404

YOU, JOHN.

2674

01:46:17,404 --> 01:46:17,571

BUT REMEMBER, WIND IT EVERY

2675

01:46:17,571 --> 01:46:18,839

MORNING.

2676
01:46:18,839 --> 01:46:21,441
CONGRATULATIONS AGAIN.

2677
01:46:21,441 --> 01:46:23,944
WELL DESERVED.

2678
01:46:23,944 --> 01:46:34,321

■■■

2679
01:46:34,321 --> 01:46:36,323
>> GENERAL, THANK YOU VERY MUCH.

2680
01:46:36,323 --> 01:46:36,990
THIS WOULD HAVE BEEN VERY

2681
01:46:36,990 --> 01:46:38,024
USEFUL, ACTUALLY, IN THE SPACE

2682
01:46:38,024 --> 01:46:40,260
WALKS BECAUSE I HAD A TENDENCY

2683
01:46:40,260 --> 01:46:46,833
TO GO A LITTLE LONG.

2684
01:46:46,833 --> 01:46:48,535
OLDER I GET, THE MORE I NEED TO

2685
01:46:48,535 --> 01:46:49,936
GET WOUND IN THE MORNING TOO.

2686
01:46:49,936 --> 01:46:51,171
SO, I'M FEELING A LITTLE ANTIQUE

2687
01:46:51,171 --> 01:46:51,471
TOO.

2688
01:46:51,471 --> 01:46:53,473

NOW FOR A FEW -- BY THE WAY, I

2689

01:46:53,473 --> 01:46:56,810

THINK YOU SETTLED IT.

2690

01:46:56,810 --> 01:46:57,410

GEMINI.

2691

01:46:57,410 --> 01:46:59,312

WE'RE GOING WITH GEMINI, FOLKS.

2692

01:46:59,312 --> 01:47:01,615

NOW SOME WORDS FROM OUR

2693

01:47:01,615 --> 01:47:02,182

SPONSORS.

2694

01:47:02,182 --> 01:47:07,854

I WANT TO ACKNOWLEDGE TASK FOR

2695

01:47:07,854 --> 01:47:09,322

SPONSORING THE PORTRAIT OF JOHN

2696

01:47:09,322 --> 01:47:09,456

GRUNSFELD.

2697

01:47:09,456 --> 01:47:11,024

THE ORIGINAL IS OUT IN THE

2698

01:47:11,024 --> 01:47:11,691

HALLWAY.

2699

01:47:11,691 --> 01:47:14,694

IT WILL RESIDE WITH THE SIX-FOOT

2700

01:47:14,694 --> 01:47:16,329

SPACE TROPHY AT THE SPACE CENTER

2701
01:47:16,329 --> 01:47:17,397
HOUSTON FOR THE NEXT YEAR.

2702
01:47:17,397 --> 01:47:18,965
LET US ACKNOWLEDGE ALL THE

2703
01:47:18,965 --> 01:47:20,534
SPONSORING ORGANIZATIONS WHO

2704
01:47:20,534 --> 01:47:21,935
PROVIDED SPECIAL SUPPORT FOR

2705
01:47:21,935 --> 01:47:22,803
TONIGHT'S DINNER.

2706
01:47:22,803 --> 01:47:24,905
THESE ORGANIZATIONS WILL BE

2707
01:47:24,905 --> 01:47:26,373
DISPLAYED ON THE SCREEN.

2708
01:47:26,373 --> 01:47:27,174
WHEREVER YOU CAN SUPPORT THEM,

2709
01:47:27,174 --> 01:47:27,607
PLEASE DO.

2710
01:47:27,607 --> 01:47:30,010
BUY A ROCKET FROM THEM OR

2711
01:47:30,010 --> 01:47:30,210
SOMETHING.

2712
01:47:30,210 --> 01:47:31,611
ANYWAY, HAVE A GREAT EVENING.

2713
01:47:31,611 --> 01:47:32,546

THANK YOU FOR YOUR TIME.

2714

01:47:32,546 --> 01:47:34,147

WE ENJOYED YOU BEING HERE, AND

2715

01:47:34,147 --> 01:47:37,884

WE'LL SEE YOU NEXT YEAR.

2716

01:47:37,884 --> 01:47:40,487

■■

2717

01:47:40,487 --> 01:47:46,092

CLEAR LEER

2718

01:47:54,067 --> 01:47:47,160

■■

2719

01:47:54,067 --> 01:47:55,302

>> LADIES AND GENTLEMEN, ON

2720

01:47:55,302 --> 01:47:58,839

BEHALF OF THE ROTARY NATIONAL

2721

01:47:58,839 --> 01:47:59,806

AWARD FOR SPACE ACHIEVEMENT

2722

01:47:59,806 --> 01:48:01,808

FOUNDATION, I EXTEND OUR

2723

01:48:01,808 --> 01:48:03,310

SINCEREST CONGRATULATIONS TO OUR

2724

01:48:03,310 --> 01:48:05,478

HONOREES, ALL OF YOU DESERVE OUR

2725

01:48:05,478 --> 01:48:07,414

ADMIRATION AND OUR GRATITUDE.

2726

01:48:07,414 --> 01:48:08,348

AT THIS TIME, I'D LIKE TO TAKE

2727

01:48:08,348 --> 01:48:09,883

THE OPPORTUNITY TO THANK MILES

2728

01:48:09,883 --> 01:48:13,086

O'BRIEN FOR DOING A GREAT JOB AS

2729

01:48:13,086 --> 01:48:13,653

EMCEE AGAIN THIS YEAR.

2730

01:48:13,653 --> 01:48:18,358

LET'S HEAR IT FOR MILES, PLEASE.

2731

01:48:18,358 --> 01:48:20,460

AND AS A REMINDER, NASA TV WILL

2732

01:48:20,460 --> 01:48:22,162

AIR TONIGHT'S EVENT AT 3:00 P.M.

2733

01:48:22,162 --> 01:48:24,464

AND 7:00 P.M. CENTRAL NEXT

2734

01:48:24,464 --> 01:48:25,432

TUESDAY, MAY 2.

2735

01:48:25,432 --> 01:48:27,601

AND FINALLY, THE FOUNDATION

2736

01:48:27,601 --> 01:48:30,537

WOULD LIKE TO GIVE A SPECIAL

2737

01:48:30,537 --> 01:48:32,839

THANKS TO OMEGA WATCH, THE

2738

01:48:32,839 --> 01:48:34,741

FISHER SPACE FOR THEIR IN KIND

2739

01:48:34,741 --> 01:48:36,376

DONATION, TASK FOR THE PORTRAIT,

2740

01:48:36,376 --> 01:48:40,380

ORBITAL ATK FOR THE STELLAR

2741

01:48:40,380 --> 01:48:41,781

AWARDS, AND TRULY RNASA IS

2742

01:48:41,781 --> 01:48:44,784

GRATEFUL TO ALL OUR SPONSORS

2743

01:48:44,784 --> 01:48:46,519

WHOSE SUPPORT AND ACHIEVEMENTS

2744

01:48:46,519 --> 01:48:48,555

MAKE THIS EVENT POSSIBLE, AND

2745

01:48:48,555 --> 01:48:51,558

GIVE US SOMETHING TO CELEBRATE.

2746

01:48:51,558 --> 01:48:53,560

FROM THE BOTTOM OF OUR HEARTS,

2747

01:48:53,560 --> 01:48:54,060

THANK YOU.

2748

01:48:54,060 --> 01:48:56,062

SO, THIS IS THE CONCLUSION OF

2749

01:48:56,062 --> 01:48:56,496

OUR PROGRAM.

2750

01:48:56,496 --> 01:48:57,664

THANK YOU VERY MUCH FOR BEING

2751

01:48:57,664 --> 01:48:57,998

HERE.

2752

01:48:57,998 --> 01:49:00,233

KEEP UP ALL THE GOOD WORK.