

# FADE **TO** BLACK

with **JIMMY CHURCH**  
**PRESENTS**

# BREAKING NEWS

**Fri Mar 24, 2023 LIVE**

1  
00:00:40,230 --> 00:00:30,250

[Music]

2  
00:00:43,790 --> 00:00:40,240

thank you

3  
00:00:49,750 --> 00:00:45,950

all right here we go Fade to Black

4  
00:00:54,410 --> 00:00:49,760

breaking news for Friday March 24

5  
00:00:56,029 --> 00:00:54,420

2023 this is all of the news that you

6  
00:00:59,810 --> 00:00:56,039

need I'm Jimmy Church

7  
00:01:04,430 --> 00:00:59,820

let's get straight to it on this day in

8  
00:01:06,410 --> 00:01:04,440

history 1958 Elvis Presley is inducted

9  
00:01:08,510 --> 00:01:06,420

into the United States Army

10  
00:01:12,289 --> 00:01:08,520

starting his day as the king of rock and

11  
00:01:17,149 --> 00:01:12,299

roll and ending it as a private in the

12  
00:01:19,370 --> 00:01:17,159

United States Army on this day in 1958.

13  
00:01:20,929 --> 00:01:19,380

here's your fader fact genocide

14

00:01:26,030 --> 00:01:20,939

better fact

15

00:01:30,170 --> 00:01:26,040

vetted Steven Spielberg has been thanked

16

00:01:32,090 --> 00:01:30,180

more times than God at the Academy

17

00:01:33,710 --> 00:01:32,100

Awards

18

00:01:35,990 --> 00:01:33,720

that's right that's your favorite fact

19

00:01:39,590 --> 00:01:36,000

today let's get to the breaking news

20

00:01:42,340 --> 00:01:39,600

crazy news day today

21

00:01:46,149 --> 00:01:42,350

Skies across some United

22

00:01:52,069 --> 00:01:49,730

Skies across some U.S states could be

23

00:01:54,410 --> 00:01:52,079

graced with stunning displays of the

24

00:01:57,950 --> 00:01:54,420

northern lights tonight blown into view

25

00:02:01,069 --> 00:01:57,960

by solar winds from a giant hole in the

26

00:02:02,929 --> 00:02:01,079

sun according to an update from the

27

00:02:05,569 --> 00:02:02,939

space weather prediction center the

28

00:02:07,449 --> 00:02:05,579

award the Aurora Borealis might be seen

29

00:02:09,830 --> 00:02:07,459

all the way from Oregon to Michigan

30

00:02:13,790 --> 00:02:09,840

lighting up the skies with beautiful

31

00:02:16,729 --> 00:02:13,800

colors going down tonight I mean Oregon

32

00:02:18,610 --> 00:02:16,739

to Michigan go outside tonight and look

33

00:02:22,309 --> 00:02:18,620

up

34

00:02:24,710 --> 00:02:22,319

rocket lab launched two satellites and

35

00:02:28,430 --> 00:02:24,720

it returned its booster to Earth after

36

00:02:31,729 --> 00:02:28,440

Delay from a surprise solar storm hence

37

00:02:34,250 --> 00:02:31,739

the Aurora Borealis tonight their early

38

00:02:36,710 --> 00:02:34,260

morning launch today got delayed by 90

39

00:02:39,229 --> 00:02:36,720

minutes because of an unexpectedly

40

00:02:41,089 --> 00:02:39,239

powerful geomagnetic storm that space

41

00:02:43,729 --> 00:02:41,099

weather forecasters didn't see coming

42

00:02:47,630 --> 00:02:43,739

the geomagnetic storm was the most

43

00:02:50,570 --> 00:02:47,640

powerful in six years reaching a G4

44

00:02:52,309 --> 00:02:50,580

level on the five grade geomagnetic

45

00:02:54,710 --> 00:02:52,319

storm scale

46

00:02:57,710 --> 00:02:54,720

the severity of the storm was completely

47

00:03:00,229 --> 00:02:57,720

unexpected the United States National

48

00:03:01,910 --> 00:03:00,239

Oceanic and Atmospheric Administration

49

00:03:05,030 --> 00:03:01,920

the world's leading space weather

50

00:03:08,570 --> 00:03:05,040

forecasting Authority predicted only a

51  
00:03:12,290 --> 00:03:08,580  
minor G2 event one day ahead of the

52  
00:03:14,630 --> 00:03:12,300  
launch last year SpaceX lost a batch of

53  
00:03:18,649 --> 00:03:14,640  
40 Starling Satellites after launching

54  
00:03:20,869 --> 00:03:18,659  
them into a relatively minor geomagnetic

55  
00:03:23,390 --> 00:03:20,879  
storm we remembered that when that went

56  
00:03:26,509 --> 00:03:23,400  
down today's rocket lab mission called

57  
00:03:28,250 --> 00:03:26,519  
The Beat Goes On sent two Earth

58  
00:03:31,729 --> 00:03:28,260  
observing satellites owned by

59  
00:03:34,970 --> 00:03:31,739  
seattle-based company black Sky into low

60  
00:03:38,030 --> 00:03:34,980  
earth orbit now check this out

61  
00:03:40,610 --> 00:03:38,040  
and D.B Shanker one of the world's

62  
00:03:44,330 --> 00:03:40,620  
leading shipping and logistics companies

63  
00:03:47,509 --> 00:03:44,340

has revealed plans to operate a zero

64

00:03:51,050 --> 00:03:47,519

emission Coastal container ship in

65

00:03:54,530 --> 00:03:51,060

Norway the fully autonomous and electric

66

00:03:57,530 --> 00:03:54,540

vessel is the first of its kind in the

67

00:03:59,750 --> 00:03:57,540

world so check this out Dede Shanker and

68

00:04:03,530 --> 00:03:59,760

its cooperation Partners the furniture

69

00:04:06,170 --> 00:04:03,540

Giant ecorns and the vessel designer

70

00:04:09,110 --> 00:04:06,180

Naval Dynamics along with connsburg and

71

00:04:11,210 --> 00:04:09,120

masterly have taken the first steps in

72

00:04:13,369 --> 00:04:11,220

the project to replace the traditional

73

00:04:17,050 --> 00:04:13,379

feeder vessels utilized along the

74

00:04:20,569 --> 00:04:17,060

Norwegian Coastline the new autonomous

75

00:04:23,870 --> 00:04:20,579

and electric short sea container feeder

76  
00:04:26,810 --> 00:04:23,880  
leverages Naval Dynamics NDS Auto barge

77  
00:04:29,469 --> 00:04:26,820  
250 concept that was developed in

78  
00:04:31,510 --> 00:04:29,479  
partnership with kansberg and masterly

79  
00:04:33,249 --> 00:04:31,520  
that's right

80  
00:04:37,730 --> 00:04:33,259  
crew-less

81  
00:04:41,270 --> 00:04:37,740  
autonomous container ships have arrived

82  
00:04:42,290 --> 00:04:41,280  
that's insane to me two tornadoes oh let

83  
00:04:44,870 --> 00:04:42,300  
me back up

84  
00:04:46,610 --> 00:04:44,880  
so there's a bridge on the new ship

85  
00:04:48,650 --> 00:04:46,620  
right you see it you know the bridge

86  
00:04:50,870 --> 00:04:48,660  
where you go it's the bridge of the ship

87  
00:04:53,990 --> 00:04:50,880  
you've got a wheel and you've got all

88  
00:04:56,210 --> 00:04:54,000

those they're taking all of that off

89

00:04:58,070 --> 00:04:56,220

taking all that they are going to remove

90

00:05:00,790 --> 00:04:58,080

the bridge so if something goes wrong

91

00:05:03,290 --> 00:05:00,800

it's not like they can drop off a human

92

00:05:05,450 --> 00:05:03,300

and go in and grab the wheel that

93

00:05:08,629 --> 00:05:05,460

stuff's going to be gone

94

00:05:11,330 --> 00:05:08,639

it's absolutely amazing all right this

95

00:05:16,129 --> 00:05:11,340

just happened a few days ago two

96

00:05:19,129 --> 00:05:16,139

tornadoes touched down on Tuesday here

97

00:05:22,010 --> 00:05:19,139

in Southern California this is very rare

98

00:05:25,129 --> 00:05:22,020

cell phone video captured at the moment

99

00:05:26,689 --> 00:05:25,139

a teacher was sucked out of her

100

00:05:30,050 --> 00:05:26,699

classroom and knocked to the ground

101  
00:05:32,150 --> 00:05:30,060  
during the tornado in Montebello the

102  
00:05:34,430 --> 00:05:32,160  
video shows the teacher standing near a

103  
00:05:37,909 --> 00:05:34,440  
door at Vale High School while students

104  
00:05:40,249 --> 00:05:37,919  
tell her that someone ran outside as she

105  
00:05:42,529 --> 00:05:40,259  
cracks the door strong gust of wind

106  
00:05:45,170 --> 00:05:42,539  
flings it open pulling the teacher out

107  
00:05:47,930 --> 00:05:45,180  
of the classroom and knocking her to the

108  
00:05:49,969 --> 00:05:47,940  
ground you need to see the video a

109  
00:05:51,230 --> 00:05:49,979  
student told NBC4 that the teacher

110  
00:05:53,810 --> 00:05:51,240  
opened the door of the second floor

111  
00:05:57,409 --> 00:05:53,820  
classroom because another student was

112  
00:06:00,249 --> 00:05:57,419  
outside on the ledge the tornado damaged

113  
00:06:04,430 --> 00:06:00,259

17 buildings in the city ripped a ripoff

114

00:06:06,710 --> 00:06:04,440

roof off of a commercial building with

115

00:06:10,790 --> 00:06:06,720

11 of those build things being red

116

00:06:13,390 --> 00:06:10,800

tagged then in Santa Barbara County in

117

00:06:16,909 --> 00:06:13,400

the community of carpenter Carpentaria

118

00:06:20,210 --> 00:06:16,919

the NWS confirmed that a second tornado

119

00:06:21,770 --> 00:06:20,220

damaged a mobile home park also on

120

00:06:24,290 --> 00:06:21,780

Tuesday night

121

00:06:27,050 --> 00:06:24,300

check this out archaeologists in Egypt

122

00:06:30,590 --> 00:06:27,060

have discovered statues of ancient

123

00:06:32,450 --> 00:06:30,600

royalty at a sun temple in heliopolis an

124

00:06:36,350 --> 00:06:32,460

archaeological site that was once a

125

00:06:38,689 --> 00:06:36,360

major city near what is now Cairo the

126

00:06:42,110 --> 00:06:38,699

Pharaohs Sphinx statues include

127

00:06:47,450 --> 00:06:42,120

depictions of Ramses the second Ramses

128

00:06:50,210 --> 00:06:47,460

the fourth hormaheb and samtic II now

129

00:06:52,790 --> 00:06:50,220

check this out all of this is coming

130

00:06:55,010 --> 00:06:52,800

from the Egyptian Ministry Ministry of

131

00:06:57,710 --> 00:06:55,020

Tourism and Antiquities and they

132

00:06:59,809 --> 00:06:57,720

announced this three days ago Sun

133

00:07:02,510 --> 00:06:59,819

temples are found at a number of sites

134

00:07:05,330 --> 00:07:02,520

in Egypt and are dedicated to Rod the

135

00:07:07,790 --> 00:07:05,340

ancient Egyptian sun god I'm watching a

136

00:07:09,350 --> 00:07:07,800

documentary Series right now I think

137

00:07:13,790 --> 00:07:09,360

it's on Nat Geo

138

00:07:16,670 --> 00:07:13,800

about uh these Sun Temple sites that are

139

00:07:18,650 --> 00:07:16,680

being uh discovered all around Egypt and

140

00:07:20,990 --> 00:07:18,660

it's pretty fascinating I'm heading back

141

00:07:22,850 --> 00:07:21,000

to Egypt in October of this year I'm

142

00:07:25,189 --> 00:07:22,860

going to be there for almost three weeks

143

00:07:27,350 --> 00:07:25,199

all right if you want to come and hang

144

00:07:29,990 --> 00:07:27,360

out with us just go over to Forbidden

145

00:07:31,550 --> 00:07:30,000

Knowledge I'll post everything up but if

146

00:07:33,650 --> 00:07:31,560

you want to go to Egypt with me I'm

147

00:07:36,409 --> 00:07:33,660

heading back in a few months all right

148

00:07:41,270 --> 00:07:36,419

University of Manchester scientists now

149

00:07:44,809 --> 00:07:41,280

uh this is the point of the show where I

150

00:07:46,909 --> 00:07:44,819

say I'm going to leave you with this

151  
00:07:49,670 --> 00:07:46,919  
now I'm Gonna Leave You with this but

152  
00:07:52,430 --> 00:07:49,680  
listen very carefully

153  
00:07:56,689 --> 00:07:52,440  
University of Manchester scientists have

154  
00:08:00,170 --> 00:07:56,699  
created a new material dubbed star Crete

155  
00:08:02,809 --> 00:08:00,180  
which is made from extraterrestrial dust

156  
00:08:04,850 --> 00:08:02,819  
potatoes

157  
00:08:07,129 --> 00:08:04,860  
and a pinch of salt

158  
00:08:09,710 --> 00:08:07,139  
and it looks like we're going to be

159  
00:08:13,189 --> 00:08:09,720  
using this stuff on Mars I'm not making

160  
00:08:16,909 --> 00:08:13,199  
this up the scientist behind the

161  
00:08:19,369 --> 00:08:16,919  
invention used simulated Martian soil

162  
00:08:22,129 --> 00:08:19,379  
mixed with potato starch and a pinch of

163  
00:08:25,850 --> 00:08:22,139

salt to create the material that is

164

00:08:27,529 --> 00:08:25,860

twice as strong as ordinary concrete and

165

00:08:31,670 --> 00:08:27,539

is perfectly suited for construction

166

00:08:33,290 --> 00:08:31,680

work in extraterrestrial environments

167

00:08:35,630 --> 00:08:33,300

potato chips

168

00:08:37,510 --> 00:08:35,640

now check this out in an article

169

00:08:40,850 --> 00:08:37,520

published in the journal open

170

00:08:43,730 --> 00:08:40,860

engineering the team demonstrated that

171

00:08:46,490 --> 00:08:43,740

ordinary potato starch can act as a

172

00:08:48,670 --> 00:08:46,500

binder when mixed with a simulated Mars

173

00:08:51,610 --> 00:08:48,680

dust to produce a concrete like material

174

00:08:54,829 --> 00:08:51,620

when tested

175

00:08:58,730 --> 00:08:54,839

starcrete had a compressive strength of

176

00:09:02,410 --> 00:08:58,740

72 MPA which is over twice as strong as

177

00:09:05,150 --> 00:09:02,420

the 32 MPA in ordinary concrete

178

00:09:09,290 --> 00:09:05,160

starcrete made for Moon dust was even

179

00:09:13,150 --> 00:09:09,300

stronger at over 91 MPA

180

00:09:18,190 --> 00:09:13,160

and here's the catch the team calculated

181

00:09:22,430 --> 00:09:18,200

that a 50 pound sack of potato chips

182

00:09:24,769 --> 00:09:22,440

that's right potato chips contain enough

183

00:09:27,550 --> 00:09:24,779

starch to produce a half a ton of

184

00:09:31,070 --> 00:09:27,560

starcrete which is equivalent to over

185

00:09:34,070 --> 00:09:31,080

213 bricks worth of material for

186

00:09:38,350 --> 00:09:34,080

comparison a three-bedroom house takes

187

00:09:41,570 --> 00:09:38,360

roughly 7 500 bricks to build

188

00:09:45,410 --> 00:09:41,580

additionally they discovered that common

189

00:09:48,490 --> 00:09:45,420

salt magnesium chloride obtainable from

190

00:09:53,090 --> 00:09:48,500

the Martian surface or from wait for it

191

00:09:56,269 --> 00:09:53,100

the tears of astronauts

192

00:09:59,269 --> 00:09:56,279

all of that significantly improved the

193

00:10:01,970 --> 00:09:59,279

strength of starcrete

194

00:10:04,130 --> 00:10:01,980

that's incredible all right that's all

195

00:10:09,110 --> 00:10:04,140

of your Fade to Black breaking news that

196

00:10:11,269 --> 00:10:09,120

you need for this Friday March 24 2023

197

00:10:14,509 --> 00:10:11,279

faded black breaking news is produced by

198

00:10:16,850 --> 00:10:14,519

Renee Newman I'm Jimmy church I'm just

199

00:10:21,460 --> 00:10:16,860

going to say this