

FADE TO BLACK

with **JIMMY CHURCH**
PRESENTS

BREAKING NEWS

Tue June 20, 2023 **LIVE**

1
00:00:35,690 --> 00:00:22,150

[Music]

2
00:00:43,190 --> 00:00:39,110

welcome Fade to Black breaking news for

3
00:00:45,590 --> 00:00:43,200

this Tuesday June 20th 2023 I am your

4
00:00:48,889 --> 00:00:45,600

assuming church and this is all of the

5
00:00:52,930 --> 00:00:48,899

news that you need let's get straight to

6
00:01:01,250 --> 00:00:57,650

1567. the casket letters which directly

7
00:01:04,189 --> 00:01:01,260

implicated Mary Queen of Scots in a plot

8
00:01:07,969 --> 00:01:04,199

with James Hepburn fourth Earl of

9
00:01:11,090 --> 00:01:07,979

Bothwell to murder Mary's husband Henry

10
00:01:14,469 --> 00:01:11,100

Stewart Lord darnley were said to have

11
00:01:17,630 --> 00:01:14,479

been discovered on this day in

12
00:01:19,010 --> 00:01:17,640

1567. there you go here's your fader

13
00:01:24,770 --> 00:01:19,020

fact

14

00:01:27,950 --> 00:01:24,780

Timothy Leary right LSD the guy while

15

00:01:30,890 --> 00:01:27,960

-serving a sentence for marijuana

16

00:01:34,010 --> 00:01:30,900

possession Timothy Leary escaped from

17

00:01:37,130 --> 00:01:34,020

prison by simply walking away from the

18

00:01:40,850 --> 00:01:37,140

minimum security facility in September

19

00:01:44,510 --> 00:01:40,860

of 1970 and changing out of his prison

20

00:01:47,749 --> 00:01:44,520

uniform at a nearby gas station

21

00:01:50,030 --> 00:01:47,759

my man and that

22

00:01:51,230 --> 00:01:50,040

is your fader fact let's get to the

23

00:01:53,510 --> 00:01:51,240

breaking news

24

00:01:55,910 --> 00:01:53,520

the submersible with five people on

25

00:02:00,050 --> 00:01:55,920

board including a space tourist and a

26

00:02:03,710 --> 00:02:00,060

seti trustee is still missing after its

27

00:02:05,450 --> 00:02:03,720

dive to the Titanic the United States

28

00:02:09,290 --> 00:02:05,460

Coast Guard is saying right now they

29

00:02:13,369 --> 00:02:09,300

have approximately 40 hours of oxygen

30

00:02:18,050 --> 00:02:13,379

left on board explore Hamish Harding who

31

00:02:19,809 --> 00:02:18,060

flew with blue origin in 2022 and seti

32

00:02:22,550 --> 00:02:19,819

that's right to search for

33

00:02:24,550 --> 00:02:22,560

extraterrestrial intelligence trustee

34

00:02:28,010 --> 00:02:24,560

she

35

00:02:31,550 --> 00:02:28,020

are among the crew members the

36

00:02:33,770 --> 00:02:31,560

submersible fell silent Sunday and blue

37

00:02:36,790 --> 00:02:33,780

origin and the city Institute have not

38

00:02:40,430 --> 00:02:36,800

yet issued statements about the matter

39

00:02:43,250 --> 00:02:40,440

also on the board was dawood's son

40

00:02:47,150 --> 00:02:43,260

Suleiman French explorer and long time

41

00:02:51,710 --> 00:02:47,160

Titanic researcher Paul Henry and nargio

42

00:02:56,330 --> 00:02:51,720

lay and Stockton Rush founder and CEO of

43

00:02:59,210 --> 00:02:56,340

the vessels us-based company ocean get

44

00:03:01,490 --> 00:02:59,220

Ocean Gate I will keep you posted this

45

00:03:06,229 --> 00:03:01,500

is just tragic

46

00:03:08,089 --> 00:03:06,239

the hunger Tonga hunger hayopi volcanic

47

00:03:11,149 --> 00:03:08,099

eruption which produced the most

48

00:03:14,270 --> 00:03:11,159

powerful atmospheric explosion ever

49

00:03:17,270 --> 00:03:14,280

recorded also generated a record number

50

00:03:19,430 --> 00:03:17,280

of lightning strikes in a supercharged

51
00:03:23,570 --> 00:03:19,440
thunderstorm that lasted 11 hours and

52
00:03:25,850 --> 00:03:23,580
spread across 150 miles a new study

53
00:03:28,729 --> 00:03:25,860
reports the volcano

54
00:03:31,850 --> 00:03:28,739
which is located in the Southern Pacific

55
00:03:35,750 --> 00:03:31,860
Ocean began erupting back in December of

56
00:03:38,509 --> 00:03:35,760
2021 but its most explosive event did

57
00:03:42,289 --> 00:03:38,519
not occur until January 15th of last

58
00:03:46,190 --> 00:03:42,299
year 2022. despite the volcanoes Caldera

59
00:03:48,170 --> 00:03:46,200
being 500 feet below sea level the blast

60
00:03:51,770 --> 00:03:48,180
bursts through the water and sent a

61
00:03:54,949 --> 00:03:51,780
plume of Ash towering 36 miles high with

62
00:03:58,369 --> 00:03:54,959
an eruption rate of 11 billion pounds

63
00:04:01,130 --> 00:03:58,379

per second an order of magnitude greater

64

00:04:04,089 --> 00:04:01,140

than the Mount Saint Helens eruption in

65

00:04:07,970 --> 00:04:04,099

May of 1980.

66

00:04:13,070 --> 00:04:07,980

astronomers have discovered what is only

67

00:04:15,649 --> 00:04:13,080

the second example of a white dwarf star

68

00:04:18,590 --> 00:04:15,659

this is important because the rare

69

00:04:21,289 --> 00:04:18,600

Stellar Remnant is spinning rapidly as

70

00:04:24,350 --> 00:04:21,299

it does so it lashes powerful beams of

71

00:04:26,990 --> 00:04:24,360

electrical particles and radiation at a

72

00:04:29,210 --> 00:04:27,000

red dwarf companion star causing the

73

00:04:32,150 --> 00:04:29,220

whole system to dramatically fade and

74

00:04:36,730 --> 00:04:32,160

brighten over regular periods this is

75

00:04:41,629 --> 00:04:36,740

the deal the white dwarf Pulsar named J

76

00:04:44,450 --> 00:04:41,639

1912 4410 is the second system of its

77

00:04:49,490 --> 00:04:44,460

type to be found after the discovery of

78

00:04:53,570 --> 00:04:49,500

AR scorepi in 2016. why is this

79

00:04:56,689 --> 00:04:53,580

important because our sun will undergo

80

00:04:59,450 --> 00:04:56,699

this process swelling out to around the

81

00:05:02,629 --> 00:04:59,460

orbit of Mars consuming the inner

82

00:05:06,650 --> 00:05:02,639

planets including Earth it will then end

83

00:05:09,350 --> 00:05:06,660

its life as a smoldering white dwarf in

84

00:05:11,090 --> 00:05:09,360

a dying solar system

85

00:05:12,230 --> 00:05:11,100

only the second time this has been

86

00:05:15,950 --> 00:05:12,240

discovered

87

00:05:19,150 --> 00:05:15,960

the European space agency has called up

88

00:05:21,730 --> 00:05:19,160

a reserve from a farm team that's right

89

00:05:25,189 --> 00:05:21,740

Swedish astronauts

90

00:05:27,670 --> 00:05:25,199

and uh he's gonna have his journey as

91

00:05:32,150 --> 00:05:27,680

part of a private space mission Axiom 3

92

00:05:34,490 --> 00:05:32,160

ax3 his name Marcus want that's right

93

00:05:36,770 --> 00:05:34,500

from the farm team he's gonna head to

94

00:05:39,850 --> 00:05:36,780

the ISS aboard the SpaceX crew Dragon

95

00:05:42,529 --> 00:05:39,860

spacecraft no earlier than November 2023

96

00:05:46,850 --> 00:05:42,539

Watt and the other three members of the

97

00:05:52,550 --> 00:05:46,860

ax3 crew will spend 14 days on board the

98

00:05:55,610 --> 00:05:52,560

ISS check this out want was selected as

99

00:05:58,790 --> 00:05:55,620

an Esa Reserve astronaut back in

100

00:06:01,790 --> 00:05:58,800

November of 2022. this is just a few

101
00:06:07,490 --> 00:06:01,800
months ago after a year-long selection

102
00:06:10,610 --> 00:06:07,500
process that saw 22 500 applicants from

103
00:06:12,890 --> 00:06:10,620
the EU member states and they all were

104
00:06:15,529 --> 00:06:12,900
put through their Paces to become a new

105
00:06:18,350 --> 00:06:15,539
generation of Esa astronauts he made it

106
00:06:21,170 --> 00:06:18,360
he made it from the farm team going up

107
00:06:23,450 --> 00:06:21,180
later this year pretty cool all right

108
00:06:26,570 --> 00:06:23,460
quantum computers

109
00:06:27,950 --> 00:06:26,580
you're not this is where I'm going to

110
00:06:31,249 --> 00:06:27,960
leave you today

111
00:06:33,710 --> 00:06:31,259
and this is insane because

112
00:06:36,409 --> 00:06:33,720
quantum computers could be classical

113
00:06:39,650 --> 00:06:36,419

ones just like the one I just installed

114

00:06:41,270 --> 00:06:39,660

into my system here right just a classic

115

00:06:45,230 --> 00:06:41,280

computer

116

00:06:46,670 --> 00:06:45,240

could actually beat them out in about

117

00:06:50,330 --> 00:06:46,680

two years

118

00:06:52,610 --> 00:06:50,340

that's right a new experiment with IBM's

119

00:06:55,670 --> 00:06:52,620

uh quantum computer and the

120

00:06:58,610 --> 00:06:55,680

demonstration hints that true Quantum

121

00:07:02,210 --> 00:06:58,620

Supremacy in which quantum computers

122

00:07:07,129 --> 00:07:02,220

overtake classical digital ones could be

123

00:07:09,350 --> 00:07:07,139

here very very soon in the new study

124

00:07:12,469 --> 00:07:09,360

published last week in the journal

125

00:07:15,230 --> 00:07:12,479

Nature scientists use IBM's quantum

126

00:07:17,930 --> 00:07:15,240

computer it's called The Eagle to

127

00:07:19,790 --> 00:07:17,940

simulate the magnetic properties of a

128

00:07:22,730 --> 00:07:19,800

real material faster than a classical

129

00:07:25,249 --> 00:07:22,740

computer could it achieved this feat

130

00:07:28,189 --> 00:07:25,259

because it used a special error

131

00:07:32,029 --> 00:07:28,199

mitigating process that compensated for

132

00:07:33,189 --> 00:07:32,039

noise a fundamental weakness of quantum

133

00:07:40,670 --> 00:07:33,199

computers

134

00:07:45,010 --> 00:07:40,680

rely on bits that can just take one of

135

00:07:49,070 --> 00:07:45,020

two values zero or one quantum computers

136

00:07:52,730 --> 00:07:49,080

use qubits that can take on many states

137

00:07:55,129 --> 00:07:52,740

at once cubits rely on Quantum phenomena

138

00:07:57,430 --> 00:07:55,139

such as superposition in which a

139

00:08:00,290 --> 00:07:57,440

particle can exist in multiple States

140

00:08:02,990 --> 00:08:00,300

simultaneously and on quantum

141

00:08:05,749 --> 00:08:03,000

entanglement in which the states of

142

00:08:10,430 --> 00:08:05,759

distance particles can be linked so that

143

00:08:14,809 --> 00:08:10,440

changing one instantaneously changes the

144

00:08:18,350 --> 00:08:14,819

other and this is insane news that's

145

00:08:19,969 --> 00:08:18,360

right parallel worlds they exist there

146

00:08:23,770 --> 00:08:19,979

you go there's your faded black breaking

147

00:08:26,050 --> 00:08:23,780

news all the news that you need for uh

148

00:08:29,689 --> 00:08:26,060

all the news that you need for Tuesday

149

00:08:31,730 --> 00:08:29,699

June 20th 2023

150

00:08:34,490 --> 00:08:31,740

faded black breaking news is produced by

151

00:08:41,730 --> 00:08:34,500

Renee Newman I am Jimmy Church