

FADE **TO** BLACK

with **JIMMY CHURCH**
PRESENTS

BREAKING NEWS

Wed Apr 05, 2023 **LIVE**

1
00:00:22,430 --> 00:00:10,290
foreign

2
00:00:22,440 --> 00:00:37,010
[Music]

3
00:00:42,970 --> 00:00:40,010
good afternoon Fade to Black breaking

4
00:00:47,090 --> 00:00:42,980
news for this Wednesday April 5th

5
00:00:48,770 --> 00:00:47,100
2023 this is all of the news that you

6
00:00:51,190 --> 00:00:48,780
need I'm Jimmy Church

7
00:00:56,689 --> 00:00:51,200
on this day in history

8
00:00:58,910 --> 00:00:56,699
1994 Kurt Cobain dies by Suicide his

9
00:01:01,310 --> 00:00:58,920
body was discovered inside his home in

10
00:01:04,070 --> 00:01:01,320
Seattle Washington three days later by

11
00:01:06,590 --> 00:01:04,080
Gary Smith an electrician who was

12
00:01:07,370 --> 00:01:06,600
installing a security system in the

13
00:01:12,230 --> 00:01:07,380

house

14

00:01:15,170 --> 00:01:12,240

on this day in 1994 fader fact

15

00:01:17,390 --> 00:01:15,180

the first transaction on the internet

16

00:01:21,310 --> 00:01:17,400

check this out genocide

17

00:01:23,570 --> 00:01:21,320

the first transaction on the internet

18

00:01:28,330 --> 00:01:23,580

was of weed

19

00:01:32,149 --> 00:01:28,340

that's right the Mary Jane pot marijuana

20

00:01:34,789 --> 00:01:32,159

it was recorded in the 1970s and the

21

00:01:39,770 --> 00:01:34,799

sale of the bag of stash was negotiated

22

00:01:42,530 --> 00:01:39,780

between Stanford and MIT students

23

00:01:47,090 --> 00:01:42,540

there you go there's your fader fact

24

00:01:51,649 --> 00:01:48,789

the breaking news

25

00:01:56,210 --> 00:01:51,659

ingredients for Life discovered in the

26

00:01:59,090 --> 00:01:56,220

Perseus molecular cloud in Space 1

27

00:02:01,249 --> 00:01:59,100

000 light years from Earth a soup of

28

00:02:03,889 --> 00:02:01,259

molecules in a distant star forming

29

00:02:06,050 --> 00:02:03,899

Cloud contains compounds that are

30

00:02:08,749 --> 00:02:06,060

considered the essential building blocks

31

00:02:11,630 --> 00:02:08,759

for life all of this was announced

32

00:02:13,670 --> 00:02:11,640

earlier today these molecules can

33

00:02:17,390 --> 00:02:13,680

contribute to the construction of amino

34

00:02:19,729 --> 00:02:17,400

acids which themselves form the basis of

35

00:02:21,350 --> 00:02:19,739

genetic material and are believed to

36

00:02:22,750 --> 00:02:21,360

have been essential in the development

37

00:02:24,710 --> 00:02:22,760

of the first

38

00:02:26,990 --> 00:02:24,720

microorganisms right here on planet

39

00:02:29,350 --> 00:02:27,000

Earth the team discovered the presence

40

00:02:34,010 --> 00:02:29,360

of molecular hydrogen

41

00:02:37,670 --> 00:02:34,020

hydroxyl water carbon dioxide and

42

00:02:41,089 --> 00:02:37,680

ammonia as well as several carbon-based

43

00:02:43,430 --> 00:02:41,099

molecules the Prebiotic molecules were

44

00:02:46,390 --> 00:02:43,440

found in a star cluster within the

45

00:02:49,550 --> 00:02:46,400

Perseus molecular cloud called

46

00:02:51,589 --> 00:02:49,560

ic348 the stars in the cluster are

47

00:02:53,630 --> 00:02:51,599

estimated to be very young between two

48

00:02:58,089 --> 00:02:53,640

and three million years old for

49

00:03:02,390 --> 00:02:58,099

comparison our middle-aged sun is around

50

00:03:05,270 --> 00:03:02,400

4.6 billion years old this is big big

51
00:03:08,210 --> 00:03:05,280
breaking news I've been following this

52
00:03:09,770 --> 00:03:08,220
story now for a couple of weeks here's

53
00:03:12,110 --> 00:03:09,780
the latest updates

54
00:03:14,449 --> 00:03:12,120
British billionaire Sir Richard

55
00:03:17,570 --> 00:03:14,459
Branson's rocket company virgin orbit

56
00:03:19,490 --> 00:03:17,580
has now filed for bankruptcy in the

57
00:03:22,070 --> 00:03:19,500
United States after failing to secure

58
00:03:24,770 --> 00:03:22,080
new investment the satellite launch

59
00:03:27,110 --> 00:03:24,780
company halted operations weeks ago but

60
00:03:29,990 --> 00:03:27,120
it hoped to find a buyer for the

61
00:03:33,050 --> 00:03:30,000
business the company based down the

62
00:03:36,050 --> 00:03:33,060
street from my studio announced last

63
00:03:39,589 --> 00:03:36,060

week that it would cut 85 percent of its

64

00:03:43,490 --> 00:03:39,599

750 strong Workforce earlier this year

65

00:03:45,770 --> 00:03:43,500

virgin orbit and its rocket failed to

66

00:03:49,070 --> 00:03:45,780

launch and complete its first ever

67

00:03:53,630 --> 00:03:49,080

satellite launch from the United Kingdom

68

00:03:54,770 --> 00:03:53,640

soil yeah well it got the plane got off

69

00:03:58,869 --> 00:03:54,780

the ground

70

00:04:02,270 --> 00:03:58,879

the rocket didn't make orbit

71

00:04:05,270 --> 00:04:02,280

NASA's Ingenuity helicopter has been

72

00:04:07,309 --> 00:04:05,280

flying on Mars for nearly two years now

73

00:04:09,770 --> 00:04:07,319

I can't believe it has been two years

74

00:04:12,170 --> 00:04:09,780

and it's still breaking records it was

75

00:04:15,890 --> 00:04:12,180

only supposed to fly for like a week

76
00:04:17,810 --> 00:04:15,900
it's two years later and this latest

77
00:04:21,590 --> 00:04:17,820
record run

78
00:04:23,870 --> 00:04:21,600
was on its 49th flight Ingenuity flew

79
00:04:25,850 --> 00:04:23,880
faster and higher than it had ever had

80
00:04:29,629 --> 00:04:25,860
before on its most recent red planet

81
00:04:32,990 --> 00:04:29,639
sortie which occurred three days ago on

82
00:04:36,170 --> 00:04:33,000
Sunday April 2nd the four pound Chopper

83
00:04:41,810 --> 00:04:36,180
reached a top speed of 14.5 miles per

84
00:04:44,450 --> 00:04:41,820
hour and an altitude of 52.5 feet the

85
00:04:48,830 --> 00:04:44,460
previous records were 13.4 miles per

86
00:04:50,350 --> 00:04:48,840
hour and 46 feet and it just keeps on

87
00:04:54,230 --> 00:04:50,360
going

88
00:04:58,010 --> 00:04:54,240

the world's first Fleet of autonomous

89

00:05:02,890 --> 00:04:58,020

commuter buses okay this is where I

90

00:05:07,610 --> 00:05:02,900

repeat the headline are you ready

91

00:05:11,270 --> 00:05:07,620

the world's first Fleet of autonomous

92

00:05:14,390 --> 00:05:11,280

commuter buses what could go wrong is

93

00:05:17,390 --> 00:05:14,400

slated to go into service next month in

94

00:05:19,909 --> 00:05:17,400

Scotland this follows at least one

95

00:05:22,010 --> 00:05:19,919

successful just one

96

00:05:25,550 --> 00:05:22,020

this follows at least one successful

97

00:05:28,330 --> 00:05:25,560

trial run in January alongside Financial

98

00:05:32,090 --> 00:05:28,340

backing Boost from the uh UK government

99

00:05:34,550 --> 00:05:32,100

on May 15th Stagecoach itself driving

100

00:05:37,730 --> 00:05:34,560

Vehicles will begin operations along a

101
00:05:41,170 --> 00:05:37,740
14-mile route that includes edinburgh's

102
00:05:44,870 --> 00:05:41,180
historic fourth Road suspension bridge

103
00:05:47,210 --> 00:05:44,880
according to the BBC a total of five

104
00:05:49,909 --> 00:05:47,220
single Decker Vehicles will be in

105
00:05:53,090 --> 00:05:49,919
service carrying roughly 10 000

106
00:05:55,010 --> 00:05:53,100
passengers per week

107
00:05:56,629 --> 00:05:55,020
I can guarantee

108
00:05:59,510 --> 00:05:56,639
there's going to be a follow-up news

109
00:06:03,409 --> 00:05:59,520
story in May

110
00:06:05,270 --> 00:06:03,419
Chia Chia Pets right Chia Pets remember

111
00:06:08,689 --> 00:06:05,280
Chia Pets

112
00:06:10,189 --> 00:06:08,699
did you have a Chia Pet I never did I

113
00:06:13,129 --> 00:06:10,199

wanted to get one

114

00:06:15,590 --> 00:06:13,139

I never got a Chia Pet but chia seeds

115

00:06:19,730 --> 00:06:15,600

are in the news and it's not what you

116

00:06:22,430 --> 00:06:19,740

think it involves Alan Turing chia seeds

117

00:06:24,890 --> 00:06:22,440

sprouted in trays and have

118

00:06:27,050 --> 00:06:24,900

experimentally confirmed a mathematical

119

00:06:29,930 --> 00:06:27,060

model proposed by computer scientists

120

00:06:32,629 --> 00:06:29,940

and polymath Alan Turing and he did all

121

00:06:35,150 --> 00:06:32,639

of this decades ago the model describes

122

00:06:38,990 --> 00:06:35,160

how patterns might emerge in desert

123

00:06:40,969 --> 00:06:39,000

vegetation leopard spots and zebra

124

00:06:43,550 --> 00:06:40,979

stripes and you remember all of that

125

00:06:45,650 --> 00:06:43,560

well check this out these and other

126

00:06:49,610 --> 00:06:45,660

blotchy and stripy features in nature

127

00:06:52,309 --> 00:06:49,620

are examples of what touring called uh

128

00:06:54,830 --> 00:06:52,319

patterns because they're called touring

129

00:06:58,129 --> 00:06:54,840

patterns because he named all of this

130

00:07:00,170 --> 00:06:58,139

back in 1952 Turing presented equations

131

00:07:02,450 --> 00:07:00,180

for how simple interactions between

132

00:07:05,870 --> 00:07:02,460

competing factors can lead to

133

00:07:08,749 --> 00:07:05,880

surprisingly complex surface patterns in

134

00:07:11,150 --> 00:07:08,759

the case of arid regions the competition

135

00:07:13,930 --> 00:07:11,160

for moisture among plants would drive

136

00:07:17,330 --> 00:07:13,940

the intricate distribution of vegetation

137

00:07:19,309 --> 00:07:17,340

right makes sense actually in research

138

00:07:22,850 --> 00:07:19,319

presented at the American physical

139

00:07:25,129 --> 00:07:22,860

society meeting Brendan the Aquino who

140

00:07:28,850 --> 00:07:25,139

studied Fenton's lab during the summer

141

00:07:30,950 --> 00:07:28,860

of 2022 described an experiment that

142

00:07:34,270 --> 00:07:30,960

seems to confirm that turing's model

143

00:07:38,450 --> 00:07:34,280

truly underlies patterns in vegetation

144

00:07:41,450 --> 00:07:38,460

the team grew chia seeds in in even

145

00:07:44,450 --> 00:07:41,460

layers and trays and then adjusted the

146

00:07:46,370 --> 00:07:44,460

available moisture in essence the

147

00:07:48,409 --> 00:07:46,380

researchers were experimentally tweaking

148

00:07:51,350 --> 00:07:48,419

the factors that appear in the turing's

149

00:07:53,629 --> 00:07:51,360

equations sure enough patterns

150

00:07:57,050 --> 00:07:53,639

resembling those seen in natural

151
00:07:59,330 --> 00:07:57,060
environments emerge the patterns also

152
00:08:02,170 --> 00:07:59,340
strongly resembled computer simulations

153
00:08:05,510 --> 00:08:02,180
of the touring model

154
00:08:09,010 --> 00:08:05,520
that is nuts

155
00:08:12,670 --> 00:08:09,020
all right I'm Gonna Leave You with this

156
00:08:16,070 --> 00:08:12,680
NPR today sharply criticized Twitter

157
00:08:18,550 --> 00:08:16,080
after the social media platform in an

158
00:08:22,309 --> 00:08:18,560
apparent violation of its own policies

159
00:08:26,270 --> 00:08:22,319
labeled the radio broadcaster as a quote

160
00:08:28,730 --> 00:08:26,280
State Affiliated media organization akin

161
00:08:33,010 --> 00:08:28,740
to foreign propaganda Outlets like

162
00:08:37,010 --> 00:08:33,020
Russia's RT and Sputnik in a statement

163
00:08:39,709 --> 00:08:37,020

NPR CEO John Lansing called the decision

164

00:08:41,209 --> 00:08:39,719

to lump NPR in with other outlets that

165

00:08:45,050 --> 00:08:41,219

Twitter identifies as being under

166

00:08:48,470 --> 00:08:45,060

government control as unacceptable well

167

00:08:51,769 --> 00:08:48,480

he went darker than that NPR receives

168

00:08:54,170 --> 00:08:51,779

funding from public institutions some of

169

00:08:56,570 --> 00:08:54,180

them but the vast majority comes from

170

00:08:59,930 --> 00:08:56,580

sources such as corporate sponsorships

171

00:09:01,610 --> 00:08:59,940

and NPR membership fees that you know

172

00:09:06,769 --> 00:09:01,620

what I'm gonna I'm gonna admit it right

173

00:09:09,650 --> 00:09:06,779

now I pay those fees I I do I do I do

174

00:09:12,050 --> 00:09:09,660

once a month Twitter's label for

175

00:09:15,290 --> 00:09:12,060

state-affiliated media first rolled out

176
00:09:17,449 --> 00:09:15,300
back in 2020 the company's decision on

177
00:09:20,810 --> 00:09:17,459
labeling an account as state-affiliated

178
00:09:24,110 --> 00:09:20,820
media hinged on whether quote the state

179
00:09:26,690 --> 00:09:24,120
exercises control over editorial content

180
00:09:29,630 --> 00:09:26,700
through Financial Resources Director

181
00:09:32,210 --> 00:09:29,640
indirect political pressures and or

182
00:09:33,710 --> 00:09:32,220
control over production and distribution

183
00:09:36,610 --> 00:09:33,720
end quote

184
00:09:40,490 --> 00:09:36,620
but Twitter's policies at the time

185
00:09:43,730 --> 00:09:40,500
explicitly Exempted MPR as an example of

186
00:09:46,730 --> 00:09:43,740
publicly funded broadcasting and also

187
00:09:51,769 --> 00:09:46,740
said that they had their own editorial

188
00:09:54,710 --> 00:09:51,779

Independence well right now right before

189

00:09:58,190 --> 00:09:54,720

Fade to Black breaking news went live a

190

00:10:01,550 --> 00:09:58,200

few minutes ago Twitter has reversed its

191

00:10:04,730 --> 00:10:01,560

position and has removed the label they

192

00:10:07,970 --> 00:10:04,740

placed on NPR meanwhile other outlets

193

00:10:10,850 --> 00:10:07,980

similar to NPR such as the BBC which has

194

00:10:13,850 --> 00:10:10,860

also exempt from State Affiliated media

195

00:10:16,130 --> 00:10:13,860

labeling under Twitter's policies remain

196

00:10:19,970 --> 00:10:16,140

unlabeled

197

00:10:21,949 --> 00:10:19,980

wow there you go there's all the Fade to

198

00:10:25,850 --> 00:10:21,959

Black breaking news you need for this

199

00:10:28,130 --> 00:10:25,860

Wednesday April 5th 2023 Fade to Black

200

00:10:31,550 --> 00:10:28,140

breaking news is produced by Renee

201

00:10:35,400 --> 00:10:31,560

Newman I'm Jimmy Church go back Lee

202

00:10:35,410 --> 00:10:47,329

[Music]