



UFO Headline News Friday July 21st, 2017



Listen on

inceptionradionetwork.com

1
00:00:06,869 --> 00:00:03,990
friday july 21st 2017 you are listening

2
00:00:09,669 --> 00:00:06,879
to inception radio network voice of the

3
00:00:13,430 --> 00:00:09,679
fringe majority this is carol carl with

4
00:00:18,150 --> 00:00:15,430
we could almost begin tonight's earth

5
00:00:21,590 --> 00:00:18,160
sky forecast with that old nursery rhyme

6
00:00:23,830 --> 00:00:21,600
song i'm a little teapot short and stout

7
00:00:27,509 --> 00:00:23,840
but we won't but here is the headline

8
00:00:30,070 --> 00:00:27,519
find the teapot and the galaxy's center

9
00:00:32,229 --> 00:00:30,080
tonight or any moonless evening during a

10
00:00:34,709 --> 00:00:32,239
northern hemisphere summer or a southern

11
00:00:36,470 --> 00:00:34,719
hemisphere winter you can look in the

12
00:00:39,030 --> 00:00:36,480
evening hours toward the center of our

13
00:00:41,590 --> 00:00:39,040

milky way galaxy it's located in the

14

00:00:43,830 --> 00:00:41,600

direction of sagittarius the archer

15

00:00:46,150 --> 00:00:43,840

which happens to contain a famous

16

00:00:48,229 --> 00:00:46,160

asterism one of those noticeable

17

00:00:50,470 --> 00:00:48,239

patterns of stars but they're not really

18

00:00:51,590 --> 00:00:50,480

a constellation this one's called the

19

00:00:53,350 --> 00:00:51,600

teapot

20

00:00:55,270 --> 00:00:53,360

from the northern hemisphere you'll be

21

00:00:57,270 --> 00:00:55,280

looking south during the evening hours

22

00:00:59,029 --> 00:00:57,280

if you want to find this star pattern

23

00:01:00,950 --> 00:00:59,039

and if you're in the southern hemisphere

24

00:01:03,830 --> 00:01:00,960

look for the teapot to climb high

25

00:01:05,590 --> 00:01:03,840

overhead around mid to late evening

26

00:01:07,350 --> 00:01:05,600

if you're blessed with a dark sky

27

00:01:08,950 --> 00:01:07,360

finding this will be easy

28

00:01:12,070 --> 00:01:08,960

in a dark sky you're going to see a

29

00:01:14,870 --> 00:01:12,080

broad boulevard of stars the edgewise

30

00:01:16,870 --> 00:01:14,880

view into our own milky way galaxy which

31

00:01:18,710 --> 00:01:16,880

broadens and brightens in the direction

32

00:01:20,870 --> 00:01:18,720

of a galaxy center

33

00:01:24,789 --> 00:01:20,880

or maybe you know the planets if you

34

00:01:27,190 --> 00:01:24,799

have that dark sky in 2017 the starry

35

00:01:30,630 --> 00:01:27,200

band of the milky way passes between

36

00:01:32,550 --> 00:01:30,640

said teapot and the golden planet saturn

37

00:01:35,429 --> 00:01:32,560

it lies about midway between the spout

38

00:01:37,109 --> 00:01:35,439

of the teapot and saturn this year

39

00:01:39,749 --> 00:01:37,119

if you don't know saturn and you don't

40

00:01:41,069 --> 00:01:39,759

have a dark sky the chart you can find

41

00:01:42,950 --> 00:01:41,079

later at

42

00:01:45,190 --> 00:01:42,960

ufoheadlinenews.com will help you out

43

00:01:48,149 --> 00:01:45,200

with that it's provided by an individual

44

00:01:51,590 --> 00:01:48,159

named astrobob he expands the view

45

00:01:54,310 --> 00:01:51,600

including the constellation scorpius etc

46

00:01:57,270 --> 00:01:54,320

sagittarius the archer and its tepa

47

00:01:58,709 --> 00:01:57,280

asterism is next to scorpius on the

48

00:02:01,429 --> 00:01:58,719

sky's dome

49

00:02:03,990 --> 00:02:01,439

we can't really see the galactic center

50

00:02:06,630 --> 00:02:04,000

it's heavily veiled by intervening stars

51
00:02:08,550 --> 00:02:06,640
star clusters and nebulae those vast

52
00:02:10,710 --> 00:02:08,560
clouds of gas and dust

53
00:02:13,430 --> 00:02:10,720
the center of our milky way looms some

54
00:02:15,350 --> 00:02:13,440
26 000 light years away

55
00:02:18,309 --> 00:02:15,360
but we can gaze toward this direction in

56
00:02:20,550 --> 00:02:18,319
space and if your sky is dark enough it

57
00:02:22,630 --> 00:02:20,560
is a sight to behold

58
00:02:24,949 --> 00:02:22,640
by the way the teapot actually makes up

59
00:02:27,670 --> 00:02:24,959
the western half of the constellation

60
00:02:30,070 --> 00:02:27,680
sagittarius the archer modern eyes have

61
00:02:32,949 --> 00:02:30,080
an easier time envisioning a teapot than

62
00:02:34,309 --> 00:02:32,959
an archer with a drawn out bow from

63
00:02:36,309 --> 00:02:34,319

temperate latitudes in the northern

64

00:02:39,270 --> 00:02:36,319

hemisphere it's pretty easy to make out

65

00:02:41,430 --> 00:02:39,280

the summer triangle asterism rather high

66

00:02:43,589 --> 00:02:41,440

in your eastern sky at nightfall this

67

00:02:45,830 --> 00:02:43,599

huge star formation consists of those

68

00:02:49,270 --> 00:02:45,840

three brilliant stars we talk about here

69

00:02:51,670 --> 00:02:49,280

vega deneb and altair and can oftentimes

70

00:02:53,990 --> 00:02:51,680

withstand the glare of the full moon or

71

00:02:56,790 --> 00:02:54,000

even a light polluted city

72

00:02:58,390 --> 00:02:56,800

if you're otherwise lost on some starry

73

00:03:00,869 --> 00:02:58,400

night but you can't find the summer

74

00:03:04,070 --> 00:03:00,879

triangle let this signpost star

75

00:03:06,869 --> 00:03:04,080

formation escort you to the teapot and

76

00:03:10,470 --> 00:03:06,879

don't forget trying that imaginary line

77

00:03:13,190 --> 00:03:10,480

drawing from deneb through altar to star

78

00:03:16,229 --> 00:03:13,200

hop to that teapot here's the bottom

79

00:03:18,229 --> 00:03:16,239

line blessed with a dark sky try finding

80

00:03:22,149 --> 00:03:18,239

the teapot and the direction to the

81

00:03:23,750 --> 00:03:22,159

galactic center on these moonless nights

82

00:03:27,190 --> 00:03:23,760

here's an interesting headline written

83

00:03:28,309 --> 00:03:27,200

by swapnakrishna for engadget.com

84

00:03:31,270 --> 00:03:28,319

headline

85

00:03:33,190 --> 00:03:31,280

one single theory may have solved three

86

00:03:35,830 --> 00:03:33,200

mars mysteries

87

00:03:36,949 --> 00:03:35,840

we still aren't quite sure how mars

88

00:03:38,470 --> 00:03:36,959

formed

89

00:03:40,869 --> 00:03:38,480

there are many questions about its

90

00:03:43,910 --> 00:03:40,879

distinct geology and its weird but

91

00:03:45,270 --> 00:03:43,920

lovable potato moons that don't really

92

00:03:47,110 --> 00:03:45,280

make sense

93

00:03:49,270 --> 00:03:47,120

but now a study in the journal

94

00:03:51,830 --> 00:03:49,280

geophysical research letters may have

95

00:03:53,350 --> 00:03:51,840

solved some of the enduring mysteries of

96

00:03:55,190 --> 00:03:53,360

the red planet

97

00:03:57,670 --> 00:03:55,200

mars has hemispheres that are

98

00:03:59,830 --> 00:03:57,680

geologically different from one another

99

00:04:00,869 --> 00:03:59,840

smooth to the north cratered in the

100

00:04:03,350 --> 00:04:00,879

south

101
00:04:05,350 --> 00:04:03,360
additionally the aforementioned potato

102
00:04:07,110 --> 00:04:05,360
moons and a composition that is

103
00:04:08,229 --> 00:04:07,120
different from earth's add to its

104
00:04:10,789 --> 00:04:08,239
mystery

105
00:04:12,869 --> 00:04:10,799
researchers stephen mores and ramon

106
00:04:15,589 --> 00:04:12,879
brasser discovered that it was possible

107
00:04:17,670 --> 00:04:15,599
to have just one explanation for all

108
00:04:22,230 --> 00:04:17,680
three phenomena and here's that

109
00:04:24,469 --> 00:04:22,240
explanation a giant asteroid collision

110
00:04:26,629 --> 00:04:24,479
after the planets first formed a lot of

111
00:04:28,390 --> 00:04:26,639
leftover debris was floating around the

112
00:04:30,629 --> 00:04:28,400
early solar system

113
00:04:32,629 --> 00:04:30,639

these asteroids slammed into the planets

114

00:04:35,110 --> 00:04:32,639

as they were settling violently

115

00:04:36,390 --> 00:04:35,120

bombarding re-shifting planetary

116

00:04:39,350 --> 00:04:36,400

compositions

117

00:04:41,350 --> 00:04:39,360

the giant impact model theorizes that

118

00:04:43,830 --> 00:04:41,360

the rocky inner planets were initially

119

00:04:46,390 --> 00:04:43,840

smaller than they are now asteroid

120

00:04:48,310 --> 00:04:46,400

impacts added to their masses as they

121

00:04:51,590 --> 00:04:48,320

absorbed the elements within the space

122

00:04:53,510 --> 00:04:51,600

debris and reformed themselves the

123

00:04:55,590 --> 00:04:53,520

researchers took a close look at martian

124

00:04:57,830 --> 00:04:55,600

meteorites and realized that the

125

00:05:00,390 --> 00:04:57,840

composition of metals within its mantle

126
00:05:01,430 --> 00:05:00,400
could have come from one large asteroid

127
00:05:03,510 --> 00:05:01,440
impact

128
00:05:05,830 --> 00:05:03,520
they calculated the size of the asteroid

129
00:05:08,550 --> 00:05:05,840
needed to deliver these metals found

130
00:05:11,670 --> 00:05:08,560
using mars impact simulations

131
00:05:15,510 --> 00:05:11,680
the final result an asteroid the size of

132
00:05:18,590 --> 00:05:15,520
ceres roughly 1200 kilometers 745 miles

133
00:05:22,070 --> 00:05:18,600
wide may have impacted the planet around

134
00:05:24,230 --> 00:05:22,080
4.43 billion years ago and mars likely

135
00:05:25,590 --> 00:05:24,240
was subjected to smaller impacts

136
00:05:27,350 --> 00:05:25,600
afterwards

137
00:05:29,590 --> 00:05:27,360
the asteroid hit the northern hemisphere

138
00:05:32,070 --> 00:05:29,600

of mars which would explain the fact

139

00:05:34,310 --> 00:05:32,080

that that area's crust is younger than

140

00:05:35,990 --> 00:05:34,320

that of other martian areas and ejected

141

00:05:38,710 --> 00:05:36,000

enough material from its surface to

142

00:05:40,710 --> 00:05:38,720

create a planetary ring

143

00:05:43,510 --> 00:05:40,720

and this could possibly have resulted in

144

00:05:46,469 --> 00:05:43,520

the formation of mars two moons those

145

00:05:48,629 --> 00:05:46,479

potato guys phobos and deimos and that

146

00:05:50,390 --> 00:05:48,639

would also explain their composition

147

00:05:53,430 --> 00:05:50,400

these bodies are made of both martian

148

00:05:55,830 --> 00:05:53,440

and non-martian elements

149

00:05:58,469 --> 00:05:55,840

we still don't know anything for sure

150

00:06:00,230 --> 00:05:58,479

such is space science but the fact that

151
00:06:02,950 --> 00:06:00,240
this one theory solves multiple

152
00:06:05,270 --> 00:06:02,960
mysteries of mars origins and geological

153
00:06:07,189 --> 00:06:05,280
features lends weight to it the

154
00:06:09,510 --> 00:06:07,199
researchers hope to add further credence

155
00:06:11,590 --> 00:06:09,520
to their theory by studying more martian

156
00:06:14,390 --> 00:06:11,600
meteorites and understanding how

157
00:06:17,830 --> 00:06:14,400
asteroids affected our solar system's

158
00:06:20,629 --> 00:06:17,840
formation yes the mysteries of space

159
00:06:23,430 --> 00:06:20,639
science speaking of which that segues us

160
00:06:25,749 --> 00:06:23,440
right into our next headline distant

161
00:06:29,189 --> 00:06:25,759
kuiper belt object observed by new

162
00:06:30,309 --> 00:06:29,199
horizons nasa team in argentina we

163
00:06:32,150 --> 00:06:30,319

grabbed this story from the

164

00:06:34,070 --> 00:06:32,160

international business times space

165

00:06:35,510 --> 00:06:34,080

department with a byline for nina

166

00:06:37,670 --> 00:06:35,520

godlovski

167

00:06:40,710 --> 00:06:37,680

nasa's new horizons team based in

168

00:06:42,870 --> 00:06:40,720

argentina made another groundbreaking

169

00:06:44,550 --> 00:06:42,880

observation of a distant kuiper belt

170

00:06:47,510 --> 00:06:44,560

object last weekend

171

00:06:49,670 --> 00:06:47,520

this object is four billion miles away

172

00:06:51,749 --> 00:06:49,680

and researchers were able to detect it

173

00:06:53,670 --> 00:06:51,759

because it passed in front of another

174

00:06:54,790 --> 00:06:53,680

star that's according to a news release

175

00:06:57,189 --> 00:06:54,800

from nasa

176
00:06:59,430 --> 00:06:57,199
in just a few seconds the researchers

177
00:07:01,270 --> 00:06:59,440
caught its shadow passing the bright

178
00:07:03,510 --> 00:07:01,280
light of a distant star

179
00:07:06,230 --> 00:07:03,520
the object effectively fully blocked the

180
00:07:08,309 --> 00:07:06,240
star that event called occultation and

181
00:07:09,270 --> 00:07:08,319
the researchers were able to capture the

182
00:07:10,950 --> 00:07:09,280
event

183
00:07:12,710 --> 00:07:10,960
it was no coincidence that the

184
00:07:14,950 --> 00:07:12,720
researchers were able to catch the

185
00:07:17,430 --> 00:07:14,960
object on the move the team had set up

186
00:07:19,909 --> 00:07:17,440
telescopes in a fairly remote area in

187
00:07:23,990 --> 00:07:19,919
argentina to get a glimpse of the object

188
00:07:26,150 --> 00:07:24,000

that object 2014 mu69

189

00:07:28,469 --> 00:07:26,160

this makes five occultations the team

190

00:07:30,350 --> 00:07:28,479

has observed and record to beef up their

191

00:07:31,909 --> 00:07:30,360

data on 2014

192

00:07:33,589 --> 00:07:31,919

mu69

193

00:07:35,909 --> 00:07:33,599

the researchers had known they'd be able

194

00:07:37,510 --> 00:07:35,919

to capture the occultation since may

195

00:07:40,390 --> 00:07:37,520

they knew the occultations would be

196

00:07:43,270 --> 00:07:40,400

occurring on certain days june 3rd july

197

00:07:44,469 --> 00:07:43,280

10th and july 17th so they were able to

198

00:07:46,790 --> 00:07:44,479

prepare

199

00:07:50,309 --> 00:07:46,800

they had more than 60 observers ready

200

00:07:53,510 --> 00:07:50,319

with 24 mobile telescopes ready to catch

201
00:07:56,150 --> 00:07:53,520
2014 mu69 and all of this was done to

202
00:07:58,710 --> 00:07:56,160
help prepare for an even more grand

203
00:08:00,950 --> 00:07:58,720
observation that's coming up new year's

204
00:08:02,790 --> 00:08:00,960
day 2019.

205
00:08:04,869 --> 00:08:02,800
in addition to the research team working

206
00:08:06,950 --> 00:08:04,879
to see the kuiper belt object the

207
00:08:09,990 --> 00:08:06,960
government and people of argentina had a

208
00:08:12,629 --> 00:08:10,000
hand in making this observation possible

209
00:08:15,510 --> 00:08:12,639
to ensure the best conditions possible

210
00:08:17,510 --> 00:08:15,520
to observe street lights were turned off

211
00:08:20,230 --> 00:08:17,520
a major highway was shut down for two

212
00:08:22,230 --> 00:08:20,240
hours and people even parked their cars

213
00:08:24,070 --> 00:08:22,240

to help block the wind at these

214

00:08:27,110 --> 00:08:24,080

observation sites

215

00:08:29,430 --> 00:08:27,120

on january 1st 2019 the new horizons

216

00:08:31,830 --> 00:08:29,440

spacecraft is set to fly by the kuiper

217

00:08:33,670 --> 00:08:31,840

belt object and the hope is that these

218

00:08:35,750 --> 00:08:33,680

observations made from earth will give

219

00:08:38,230 --> 00:08:35,760

researchers a better idea about its

220

00:08:39,029 --> 00:08:38,240

shape and size before the craft gets

221

00:08:41,269 --> 00:08:39,039

there

222

00:08:43,269 --> 00:08:41,279

before these most recent observations

223

00:08:45,509 --> 00:08:43,279

only the hubble telescope had been able

224

00:08:47,509 --> 00:08:45,519

to detect this object and it wasn't able

225

00:08:48,389 --> 00:08:47,519

to determine anything about size or

226
00:08:50,630 --> 00:08:48,399
shape

227
00:08:52,870 --> 00:08:50,640
even now with the observations it will

228
00:08:55,350 --> 00:08:52,880
take researchers weeks to make any

229
00:08:57,430 --> 00:08:55,360
determinations about this object

230
00:08:59,670 --> 00:08:57,440
the observations new horizons makes as

231
00:09:02,070 --> 00:08:59,680
it flies by the object will set the

232
00:09:04,949 --> 00:09:02,080
record for the furthest distance between

233
00:09:08,389 --> 00:09:04,959
a craft and the object it's observing

234
00:09:10,550 --> 00:09:08,399
new horizons launched on january 19 2006

235
00:09:11,430 --> 00:09:10,560
and has been sending back observations

236
00:09:13,030 --> 00:09:11,440
since

237
00:09:15,110 --> 00:09:13,040
it was observing pluto and its

238
00:09:17,430 --> 00:09:15,120

surroundings for much of its mission but

239

00:09:19,829 --> 00:09:17,440

now it's past that distant planet and

240

00:09:22,310 --> 00:09:19,839

soon enough it will conduct an extended

241

00:09:25,190 --> 00:09:22,320

mission to study the kuiper belt and

242

00:09:27,670 --> 00:09:25,200

2014 mu69

243

00:09:29,350 --> 00:09:27,680

so has this week maybe left you feeling

244

00:09:31,350 --> 00:09:29,360

a tad listless

245

00:09:34,350 --> 00:09:31,360

well don't worry we've got a list right

246

00:09:36,790 --> 00:09:34,360

here the top five places to look for

247

00:09:38,710 --> 00:09:36,800

extraterrestrial life this is from the

248

00:09:41,269 --> 00:09:38,720

publication cosmos

249

00:09:44,070 --> 00:09:41,279

their headline the top five places to

250

00:09:46,470 --> 00:09:44,080

look for extraterrestrial life a sub

251
00:09:49,269 --> 00:09:46,480
headline it's a mighty big universe but

252
00:09:51,750 --> 00:09:49,279
et hunters are zeroing in on these prime

253
00:09:53,190 --> 00:09:51,760
candidates this is a byline for andrew

254
00:09:55,430 --> 00:09:53,200
masterson

255
00:09:57,910 --> 00:09:55,440
for all the hope and expectation it's

256
00:09:59,910 --> 00:09:57,920
sobering to recall that despite the best

257
00:10:02,230 --> 00:09:59,920
efforts of scientists and engineers

258
00:10:04,870 --> 00:10:02,240
there still is no evidence that life

259
00:10:07,590 --> 00:10:04,880
exists anywhere beyond our own planet

260
00:10:10,230 --> 00:10:07,600
there are however some planetary prime

261
00:10:12,550 --> 00:10:10,240
suspects here are the five places

262
00:10:15,190 --> 00:10:12,560
astronomers and astrobiologists

263
00:10:16,470 --> 00:10:15,200

think are the best chances for harboring

264

00:10:20,790 --> 00:10:16,480

et

265

00:10:25,350 --> 00:10:22,470

lowercase b

266

00:10:27,509 --> 00:10:25,360

news of this planet a rocky super earth

267

00:10:28,389 --> 00:10:27,519

was announced in the journal nature last

268

00:10:31,269 --> 00:10:28,399

april

269

00:10:33,670 --> 00:10:31,279

orbiting a red dwarf 39 light years from

270

00:10:36,550 --> 00:10:33,680

earth the planet sits in its star's

271

00:10:38,630 --> 00:10:36,560

habitable zone that goldilock zone and

272

00:10:41,670 --> 00:10:38,640

it has an estimated mass almost seven

273

00:10:44,069 --> 00:10:41,680

times that of our own planet leading to

274

00:10:46,870 --> 00:10:44,079

the assumption that it comprises rock

275

00:10:48,949 --> 00:10:46,880

encasing a solid iron core

276

00:10:51,030 --> 00:10:48,959

according to jason ditman of the harvard

277

00:10:54,110 --> 00:10:51,040

smithsonian center for astrophysics in

278

00:10:59,670 --> 00:10:57,110

lhs1140b's density means that it might

279

00:11:02,550 --> 00:10:59,680

have survived the runaway global warming

280

00:11:05,190 --> 00:11:02,560

thought to denude many red dwarf planets

281

00:11:07,910 --> 00:11:05,200

and if so it might now boast a stable

282

00:11:10,710 --> 00:11:07,920

atmosphere and liquid water quote this

283

00:11:13,750 --> 00:11:10,720

is the most exciting exoplanet i've seen

284

00:11:16,389 --> 00:11:13,760

in the past decade said jason ditman he

285

00:11:18,230 --> 00:11:16,399

continues quote we could hardly hope for

286

00:11:20,949 --> 00:11:18,240

a better target to perform one of the

287

00:11:24,630 --> 00:11:20,959

biggest quests in space searching for

288

00:11:27,509 --> 00:11:24,640

evidence of life beyond earth end quotes

289

00:11:30,150 --> 00:11:27,519

next on our list is enceladus thanks to

290

00:11:33,110 --> 00:11:30,160

the data from nasa's cassini spacecraft

291

00:11:35,829 --> 00:11:33,120

saturn's moon enceladus has emerged as

292

00:11:38,150 --> 00:11:35,839

every e.t hunter's favorite target this

293

00:11:41,430 --> 00:11:38,160

is mainly due to the strong likelihood

294

00:11:43,750 --> 00:11:41,440

that it features a subterranean ocean

295

00:11:45,990 --> 00:11:43,760

in april this year a team of scientists

296

00:11:48,710 --> 00:11:46,000

from the southwest research institute in

297

00:11:50,870 --> 00:11:48,720

texas revealed a plume of hydrogen

298

00:11:52,470 --> 00:11:50,880

erupting from the moon's surface

299

00:11:54,790 --> 00:11:52,480

this plume may be evidence of

300

00:11:57,190 --> 00:11:54,800

hydrothermal vents in the subsurface

301
00:12:00,389 --> 00:11:57,200
ocean these are the same type of vents

302
00:12:02,069 --> 00:12:00,399
that support extremophile life on earth

303
00:12:04,470 --> 00:12:02,079
said hunter waite the principal

304
00:12:06,389 --> 00:12:04,480
investigator quote the discovery of

305
00:12:09,350 --> 00:12:06,399
hydrogen gas and the evidence for

306
00:12:11,590 --> 00:12:09,360
ongoing hydrothermal activity offer a

307
00:12:13,750 --> 00:12:11,600
tantalizing suggestion that habitable

308
00:12:16,389 --> 00:12:13,760
conditions could exist beneath this

309
00:12:18,870 --> 00:12:16,399
moon's icy crust end quotes

310
00:12:21,190 --> 00:12:18,880
and along comes titan we've spoken about

311
00:12:25,190 --> 00:12:21,200
titan recently here on the ufo headline

312
00:12:27,190 --> 00:12:25,200
news it's one of saturn's 53 moons titan

313
00:12:29,829 --> 00:12:27,200

is known to have permanent hydrocarbon

314

00:12:32,310 --> 00:12:29,839

lakes a nitrogen-heavy atmosphere and

315

00:12:33,829 --> 00:12:32,320

possibly a subsurface ocean beneath a

316

00:12:36,310 --> 00:12:33,839

salty crust

317

00:12:40,230 --> 00:12:36,320

so it's possible a host for either water

318

00:12:42,629 --> 00:12:40,240

dependent or methane dependent life

319

00:12:45,590 --> 00:12:42,639

now here's proxima b this planet

320

00:12:48,790 --> 00:12:45,600

discovered in august 2016 orbits the

321

00:12:51,190 --> 00:12:48,800

star proxima centauri 4.2 light years

322

00:12:53,030 --> 00:12:51,200

away from our own sun it's the nearest

323

00:12:55,509 --> 00:12:53,040

candidate beyond the solar system for

324

00:12:57,190 --> 00:12:55,519

hosting extraterrestrial life

325

00:12:59,590 --> 00:12:57,200

research in may's astronomy and

326

00:13:01,509 --> 00:12:59,600

astrophysics journal found that chances

327

00:13:04,230 --> 00:13:01,519

of life existing on the planet might

328

00:13:06,069 --> 00:13:04,240

hinge on its orbital speed

329

00:13:09,110 --> 00:13:06,079

astrophysicists at the university of

330

00:13:12,069 --> 00:13:09,120

exeter calculated that if proxima b

331

00:13:14,550 --> 00:13:12,079

rotates on its axis three times for

332

00:13:16,710 --> 00:13:14,560

every two times it orbits its sun

333

00:13:18,949 --> 00:13:16,720

then the chances for it being habitable

334

00:13:22,310 --> 00:13:18,959

are substantially improved

335

00:13:23,829 --> 00:13:22,320

and last but not least trappist-1

336

00:13:26,870 --> 00:13:23,839

the announcement of the trappist-1

337

00:13:29,269 --> 00:13:26,880

system last february with seven rocky

338

00:13:31,670 --> 00:13:29,279

planets orbiting an ultra-cool dwarf

339

00:13:34,550 --> 00:13:31,680

star sent ripples of excitement through

340

00:13:36,870 --> 00:13:34,560

astrobiologists everywhere at least

341

00:13:39,269 --> 00:13:36,880

three of these planets looked like they

342

00:13:41,670 --> 00:13:39,279

were within the star's habitable zone

343

00:13:43,750 --> 00:13:41,680

the latest analysis by eric wolf from

344

00:13:45,670 --> 00:13:43,760

the laboratory for atmospheric and space

345

00:13:48,150 --> 00:13:45,680

physics at the university of colorado

346

00:13:51,030 --> 00:13:48,160

boulder has somewhat dampened these

347

00:13:53,590 --> 00:13:51,040

expectations suggesting that only one of

348

00:13:56,790 --> 00:13:53,600

the group has life-sustaining potential

349

00:13:59,590 --> 00:13:56,800

but never mind one chance in seven is

350

00:14:00,710 --> 00:13:59,600

still better than no chance at all

351
00:14:03,509 --> 00:14:00,720
indeed

352
00:14:06,150 --> 00:14:03,519
here's a perfectly logical segue this is

353
00:14:07,110 --> 00:14:06,160
by elizabeth howell for the publication

354
00:14:09,990 --> 00:14:07,120
seeker

355
00:14:13,350 --> 00:14:10,000
headline finding extraterrestrial life

356
00:14:15,430 --> 00:14:13,360
may rely on identifying traces rather

357
00:14:17,430 --> 00:14:15,440
than aliens

358
00:14:20,230 --> 00:14:17,440
when the famous 15th century inventor

359
00:14:23,509 --> 00:14:20,240
and scientist leonardo da vinci examined

360
00:14:26,069 --> 00:14:23,519
petrified shells with borings in them

361
00:14:27,110 --> 00:14:26,079
very long ago he had a remarkable

362
00:14:29,030 --> 00:14:27,120
insight

363
00:14:31,430 --> 00:14:29,040

the strange fossilized formations he

364

00:14:33,430 --> 00:14:31,440

determined were likely left behind by

365

00:14:35,990 --> 00:14:33,440

ancient organisms

366

00:14:38,069 --> 00:14:36,000

half a millennium later this perspective

367

00:14:40,550 --> 00:14:38,079

is potentially useful in our search for

368

00:14:43,110 --> 00:14:40,560

alien life argues a new paper that

369

00:14:44,790 --> 00:14:43,120

appears in the earth science reviews the

370

00:14:47,030 --> 00:14:44,800

findings were recently presented at the

371

00:14:49,030 --> 00:14:47,040

european astrobiology network

372

00:14:50,230 --> 00:14:49,040

association congress held in the

373

00:14:51,990 --> 00:14:50,240

netherlands

374

00:14:53,829 --> 00:14:52,000

astronomers have been weighing options

375

00:14:55,750 --> 00:14:53,839

for how to identify the existence of

376

00:14:57,110 --> 00:14:55,760

life on other planets and moons in our

377

00:14:58,949 --> 00:14:57,120

solar system

378

00:15:01,509 --> 00:14:58,959

there are a range of

379

00:15:04,470 --> 00:15:01,519

okay kevin for the grand prize of one

380

00:15:06,550 --> 00:15:04,480

million dollars what color is the white

381

00:15:09,189 --> 00:15:06,560

house um

382

00:15:13,030 --> 00:15:09,199

i know this i know this i know this

383

00:15:14,470 --> 00:15:13,040

um five seconds oh switching to geico

384

00:15:15,750 --> 00:15:14,480

could save you a bunch of money on car

385

00:15:16,790 --> 00:15:15,760

insurance

386

00:15:18,470 --> 00:15:16,800

okay

387

00:15:20,509 --> 00:15:18,480

judges

388

00:15:23,990 --> 00:15:20,519

that's true kevin you'll allow it

389

00:15:26,470 --> 00:15:24,000

congratulations you're a winner

390

00:15:28,550 --> 00:15:26,480

geico because saving 15 or more on car

391

00:15:30,790 --> 00:15:28,560

insurance is always the great answer

392

00:15:33,269 --> 00:15:30,800

possibilities mars could be host to

393

00:15:35,590 --> 00:15:33,279

ancient or current life depending on how

394

00:15:37,269 --> 00:15:35,600

much water flows on the surface and how

395

00:15:40,389 --> 00:15:37,279

salty that water is

396

00:15:42,629 --> 00:15:40,399

there are also many icy moons some with

397

00:15:45,110 --> 00:15:42,639

water geysers in the outer regions of

398

00:15:48,470 --> 00:15:45,120

our solar system among them saturn's

399

00:15:50,790 --> 00:15:48,480

titan and enceladus and jupiter's europa

400

00:15:52,790 --> 00:15:50,800

and ganymede

401
00:15:55,430 --> 00:15:52,800
leonardo understood the biological

402
00:15:57,910 --> 00:15:55,440
nature of borings based on their shape

403
00:16:00,790 --> 00:15:57,920
not their biochemistry end quotes that's

404
00:16:03,350 --> 00:16:00,800
from andre bacon the lead researcher

405
00:16:05,430 --> 00:16:03,360
bacon is an ichnologist that type of

406
00:16:08,470 --> 00:16:05,440
scientist that studies life's traces

407
00:16:10,629 --> 00:16:08,480
through burrows borings and trails

408
00:16:12,629 --> 00:16:10,639
he previously studied da vinci's work

409
00:16:16,310 --> 00:16:12,639
and is a researcher at the university of

410
00:16:18,310 --> 00:16:16,320
modena and unesco geopark netourho

411
00:16:20,710 --> 00:16:18,320
here's what he says quote this

412
00:16:23,069 --> 00:16:20,720
observation appears to be trivial but it

413
00:16:25,590 --> 00:16:23,079

potentially allows us to detect

414

00:16:28,069 --> 00:16:25,600

extraterrestrial life that differs from

415

00:16:30,470 --> 00:16:28,079

known life end quotes

416

00:16:33,269 --> 00:16:30,480

a major limitation of this kind of study

417

00:16:35,910 --> 00:16:33,279

however is that animal traces and

418

00:16:38,389 --> 00:16:35,920

alterations by geology can sometimes

419

00:16:40,150 --> 00:16:38,399

appear very similar for example

420

00:16:42,870 --> 00:16:40,160

researchers have identified what they

421

00:16:45,189 --> 00:16:42,880

say are more than four billion-year-old

422

00:16:47,110 --> 00:16:45,199

fossils in formations in northern quebec

423

00:16:50,230 --> 00:16:47,120

canada this finding was announced

424

00:16:52,749 --> 00:16:50,240

earlier this year in 2016 a separate

425

00:16:55,749 --> 00:16:52,759

team claimed to find a 3.7

426
00:16:56,949 --> 00:16:55,759
billion-year-old microbial mat in

427
00:16:59,590 --> 00:16:56,959
greenland

428
00:17:01,670 --> 00:16:59,600
but given that the earth is about 4.5

429
00:17:03,990 --> 00:17:01,680
billion years old critics of these

430
00:17:06,390 --> 00:17:04,000
discoveries argue that changes in

431
00:17:09,189 --> 00:17:06,400
earth's geology over billions of years

432
00:17:10,750 --> 00:17:09,199
can sometimes mimic those appearances of

433
00:17:13,110 --> 00:17:10,760
life forms

434
00:17:15,669 --> 00:17:13,120
microbiologists therefore need to prove

435
00:17:17,510 --> 00:17:15,679
that the older life forms did exist by

436
00:17:19,750 --> 00:17:17,520
comparing the older fossils to much

437
00:17:20,630 --> 00:17:19,760
younger and better verified examples of

438
00:17:22,549 --> 00:17:20,640

life

439

00:17:25,189 --> 00:17:22,559

they must also attempt to verify

440

00:17:27,510 --> 00:17:25,199

markings by life against the chemistry

441

00:17:30,870 --> 00:17:27,520

of the rocks although again this can be

442

00:17:33,350 --> 00:17:30,880

altered by rock deformation over time in

443

00:17:35,190 --> 00:17:33,360

this latest study andre bacon and his

444

00:17:38,070 --> 00:17:35,200

colleagues attempt to explain the best

445

00:17:39,830 --> 00:17:38,080

way to find extraterrestrial traces

446

00:17:42,630 --> 00:17:39,840

one method of finding those could be

447

00:17:45,029 --> 00:17:42,640

looking for quote meandering end quote

448

00:17:47,750 --> 00:17:45,039

trails and burrows that efficient way

449

00:17:49,990 --> 00:17:47,760

for microorganisms to look for food

450

00:17:51,990 --> 00:17:50,000

rather than making straight lines in the

451
00:17:54,630 --> 00:17:52,000
environment or repeatedly crossing a

452
00:17:56,150 --> 00:17:54,640
surface this meandering allows a

453
00:17:58,070 --> 00:17:56,160
creature to search for food without

454
00:18:00,390 --> 00:17:58,080
exerting too much energy

455
00:18:01,909 --> 00:18:00,400
quote rangers looking for tracks on the

456
00:18:04,310 --> 00:18:01,919
snow to determine the presence of

457
00:18:06,549 --> 00:18:04,320
elusive animals such as the links and

458
00:18:08,630 --> 00:18:06,559
quotes said bacon he pointed out that

459
00:18:11,190 --> 00:18:08,640
the traces work for creatures ranging

460
00:18:13,990 --> 00:18:11,200
from microscopic organisms to large

461
00:18:16,789 --> 00:18:14,000
dinosaurs he continues quote why not do

462
00:18:19,350 --> 00:18:16,799
the same with alien tracks

463
00:18:21,430 --> 00:18:19,360

borings and burrows traces of

464

00:18:23,750 --> 00:18:21,440

interactions with the substrate that

465

00:18:26,070 --> 00:18:23,760

natural environment for a creature are a

466

00:18:28,549 --> 00:18:26,080

common evidence for life on earth and

467

00:18:30,870 --> 00:18:28,559

their fossils can survive the humongous

468

00:18:34,150 --> 00:18:30,880

pressures and temperatures generated by

469

00:18:36,549 --> 00:18:34,160

colliding continents end quotes he added

470

00:18:39,110 --> 00:18:36,559

we'll keep our eyes on this study

471

00:18:42,470 --> 00:18:39,120

we found a very cool article written by

472

00:18:45,510 --> 00:18:42,480

george knapp in the las vegas now dot

473

00:18:47,909 --> 00:18:45,520

com he writes this as the i team and

474

00:18:50,549 --> 00:18:47,919

here's his headline hacker says the

475

00:18:53,750 --> 00:18:50,559

united states military has secret space

476

00:18:55,909 --> 00:18:53,760

program besides nasa

477

00:18:57,990 --> 00:18:55,919

this hacker it's a name you will all

478

00:18:58,950 --> 00:18:58,000

identify gentle listeners here's the

479

00:19:01,990 --> 00:18:58,960

story

480

00:19:04,310 --> 00:19:02,000

las vegas a computer hacker says he's

481

00:19:07,510 --> 00:19:04,320

seen evidence that suggests the united

482

00:19:09,990 --> 00:19:07,520

states military has its own secret space

483

00:19:10,870 --> 00:19:10,000

program separate from nasa's space

484

00:19:14,390 --> 00:19:10,880

effort

485

00:19:16,310 --> 00:19:14,400

and that hacker yep it's gary mckinnon

486

00:19:18,549 --> 00:19:16,320

that computer whiz from the united

487

00:19:20,470 --> 00:19:18,559

kingdom and just to update you if you've

488

00:19:22,710 --> 00:19:20,480

forgotten mr mckinnon or perhaps never

489

00:19:24,950 --> 00:19:22,720

heard of him at all we thought it might

490

00:19:27,750 --> 00:19:24,960

be a good idea to meander over to

491

00:19:31,270 --> 00:19:27,760

wikipedia and just pick up this gary

492

00:19:33,750 --> 00:19:31,280

mckinnon born the 10th of february 1966

493

00:19:36,549 --> 00:19:33,760

is a scottish systems administrator and

494

00:19:39,590 --> 00:19:36,559

hacker he was accused in 2002 of

495

00:19:42,870 --> 00:19:39,600

perpetrating the quote biggest military

496

00:19:45,029 --> 00:19:42,880

computer hack of all time end quotes

497

00:19:47,350 --> 00:19:45,039

although mckinnon himself states that he

498

00:19:50,310 --> 00:19:47,360

was merely looking for evidence of free

499

00:19:52,470 --> 00:19:50,320

energy suppression and a cover-up of ufo

500

00:19:54,950 --> 00:19:52,480

activity and other technologies

501

00:19:58,230 --> 00:19:54,960

potentially useful to the public

502

00:20:01,350 --> 00:19:58,240

on the 16th of october 2012 after a long

503

00:20:04,150 --> 00:20:01,360

struggle a series of legal proceedings

504

00:20:06,710 --> 00:20:04,160

in britain home secretary theresa may

505

00:20:08,230 --> 00:20:06,720

withdrew her extradition order to the

506

00:20:10,630 --> 00:20:08,240

united states

507

00:20:12,950 --> 00:20:10,640

we think personally that was a very good

508

00:20:15,190 --> 00:20:12,960

thing oh by the way just a side note

509

00:20:17,990 --> 00:20:15,200

here if you are up for it and interested

510

00:20:21,190 --> 00:20:18,000

to sleuth around youtube has a couple of

511

00:20:23,669 --> 00:20:21,200

music videos yep gary mckinnon was a

512

00:20:26,390 --> 00:20:23,679

rock and roller check out his video

513

00:20:28,789 --> 00:20:26,400

wanton child by the way he was a

514

00:20:31,590 --> 00:20:28,799

computer whiz from the united kingdom

515

00:20:34,230 --> 00:20:31,600

and he's going to talk about all of this

516

00:20:36,789 --> 00:20:34,240

at a las vegas symposium the weekend of

517

00:20:39,990 --> 00:20:36,799

july 21st through the 23rd

518

00:20:41,909 --> 00:20:40,000

according to gary mckinnon in 2001 while

519

00:20:45,590 --> 00:20:41,919

he was searching online for evidence

520

00:20:48,870 --> 00:20:45,600

about ufos he accessed classified nasa

521

00:20:51,590 --> 00:20:48,880

computers a total of 13 times

522

00:20:54,630 --> 00:20:51,600

but instead of evidence of ufos mckinnon

523

00:20:57,750 --> 00:20:54,640

found files about a secret space program

524

00:20:58,549 --> 00:20:57,760

operated by the united states navy he

525

00:21:01,029 --> 00:20:58,559

said

526

00:21:04,149 --> 00:21:01,039

mckinnon says he even found the names of

527

00:21:06,470 --> 00:21:04,159

the off-planet crew members

528

00:21:08,549 --> 00:21:06,480

jan harzen the president of the mutual

529

00:21:11,750 --> 00:21:08,559

ufo network which meets in las vegas

530

00:21:13,909 --> 00:21:11,760

this week told the i-team george knapp

531

00:21:16,990 --> 00:21:13,919

what mckinnon uncovered

532

00:21:20,310 --> 00:21:17,000

quote basically donna hare spelled

533

00:21:22,310 --> 00:21:20,320

h-a-r-e who had worked for nasa told him

534

00:21:25,350 --> 00:21:22,320

about specific buildings where they were

535

00:21:27,190 --> 00:21:25,360

airbrushing ufos out of photographs

536

00:21:29,990 --> 00:21:27,200

before releasing them to the public for

537

00:21:33,029 --> 00:21:30,000

nasa that's from jan harzon from mutual

538

00:21:35,909 --> 00:21:33,039

ufo network mufon i quote he wanted to

539

00:21:37,909 --> 00:21:35,919

go find that stuff and in his search for

540

00:21:41,430 --> 00:21:37,919

that information this is what he

541

00:21:43,909 --> 00:21:41,440

stumbled upon literally a secret space

542

00:21:45,190 --> 00:21:43,919

fleet within the united states navy end

543

00:21:46,950 --> 00:21:45,200

quotes

544

00:21:48,710 --> 00:21:46,960

ultimately gary mckinnon was arrested

545

00:21:51,029 --> 00:21:48,720

for this computer break-in and the

546

00:21:53,990 --> 00:21:51,039

united states tried to extradite him for

547

00:21:56,149 --> 00:21:54,000

trial but after an eight-year legal

548

00:21:57,510 --> 00:21:56,159

battle the british government refused to

549

00:22:00,310 --> 00:21:57,520

turn him over

550

00:22:02,310 --> 00:22:00,320

saturday at noon mckinnon will speak via

551
00:22:04,549 --> 00:22:02,320
skype to the mutual ufo network

552
00:22:06,470 --> 00:22:04,559
symposium which meets in las vegas

553
00:22:08,549 --> 00:22:06,480
friday through sunday

554
00:22:11,110 --> 00:22:08,559
from what we understand there is live

555
00:22:13,270 --> 00:22:11,120
streaming of this symposium available

556
00:22:15,669 --> 00:22:13,280
it's kind of pricey but we're sure if

557
00:22:18,390 --> 00:22:15,679
you check it out you can find some kind

558
00:22:20,789 --> 00:22:18,400
of access either now or later

559
00:22:23,430 --> 00:22:20,799
just a reminder gentlelisteners we have

560
00:22:25,750 --> 00:22:23,440
off the beaten path our weekend feature

561
00:22:27,830 --> 00:22:25,760
for the ufo headline news here at

562
00:22:29,669 --> 00:22:27,840
inception radio network coming up

563
00:22:32,549 --> 00:22:29,679

tomorrow join us

564

00:22:35,990 --> 00:22:32,559

here's a sighting at long last this one

565

00:22:39,510 --> 00:22:36,000

comes out of mccllelland iowa it's got a

566

00:22:41,909 --> 00:22:39,520

move on case number 85213

567

00:22:45,270 --> 00:22:41,919

the date of this sighting is the 19th of

568

00:22:48,390 --> 00:22:45,280

july 2017 got a same-day report

569

00:22:51,430 --> 00:22:48,400

and it isn't actually a sighting by the

570

00:22:55,029 --> 00:22:51,440

way here's the summary was in-house

571

00:22:57,430 --> 00:22:55,039

everything went dark for one second

572

00:22:59,750 --> 00:22:57,440

it's more of an absence of light than a

573

00:23:02,070 --> 00:22:59,760

light in the sky the viewing distance

574

00:23:04,710 --> 00:23:02,080

provided under citing specifics by our

575

00:23:07,590 --> 00:23:04,720

witness unknown viewing distance the

576
00:23:10,390 --> 00:23:07,600
altitude unknown the sighting duration

577
00:23:12,950 --> 00:23:10,400
one second and the features object

578
00:23:16,310 --> 00:23:12,960
flight path object shape none of those

579
00:23:18,470 --> 00:23:16,320
apply obviously oh pity there isn't any

580
00:23:21,029 --> 00:23:18,480
weather but our witness does speak to

581
00:23:22,549 --> 00:23:21,039
that here's the event

582
00:23:23,990 --> 00:23:22,559
i was sitting in the living room

583
00:23:27,190 --> 00:23:24,000
watching tv

584
00:23:30,390 --> 00:23:27,200
it was about 4 25 in the afternoon

585
00:23:33,510 --> 00:23:30,400
all of a sudden the house went dark

586
00:23:35,190 --> 00:23:33,520
no sunlight was coming in the windows

587
00:23:38,310 --> 00:23:35,200
my daughter was in the kitchen at the

588
00:23:40,230 --> 00:23:38,320

time and she asked me what was that

589

00:23:42,070 --> 00:23:40,240

so i jumped up and went outside

590

00:23:43,510 --> 00:23:42,080

immediately to see what could have

591

00:23:46,230 --> 00:23:43,520

caused this

592

00:23:49,590 --> 00:23:46,240

i found nothing in the sky that could

593

00:23:52,310 --> 00:23:49,600

have caused a shadow no clouds today no

594

00:23:55,350 --> 00:23:52,320

visible planes and also it was totally

595

00:23:56,549 --> 00:23:55,360

silent outside there was no motor no jet

596

00:23:59,350 --> 00:23:56,559

noise

597

00:24:01,990 --> 00:23:59,360

i believe whatever this had to be was

598

00:24:05,029 --> 00:24:02,000

huge it had to have cast a shadow large

599

00:24:07,990 --> 00:24:05,039

enough to darken the whole house at once

600

00:24:10,630 --> 00:24:08,000

and also it had to be moving away very

601
00:24:11,590 --> 00:24:10,640
fast as this entire incident lasted one

602
00:24:13,909 --> 00:24:11,600
second

603
00:24:16,830 --> 00:24:13,919
i don't believe it was a cloud because

604
00:24:19,350 --> 00:24:16,840
there was no gradual darkening this was

605
00:24:21,750 --> 00:24:19,360
instantaneous and again when i went

606
00:24:24,070 --> 00:24:21,760
outside there were no clouds in the sky

607
00:24:25,269 --> 00:24:24,080
the wind today was about 10 miles per

608
00:24:28,870 --> 00:24:25,279
hour

609
00:24:30,789 --> 00:24:28,880
so what's going on in mcclelland iowa

610
00:24:33,350 --> 00:24:30,799
this is recent we'll keep our eyes on

611
00:24:36,789 --> 00:24:33,360
that area and see what happens

612
00:24:39,669 --> 00:24:36,799
but now we see what happens every time

613
00:24:40,950 --> 00:24:39,679

we've run out of time we've gotta bounce

614

00:24:43,269 --> 00:24:40,960

because

615

00:24:45,830 --> 00:24:43,279

that's a wrap thank you for listening to