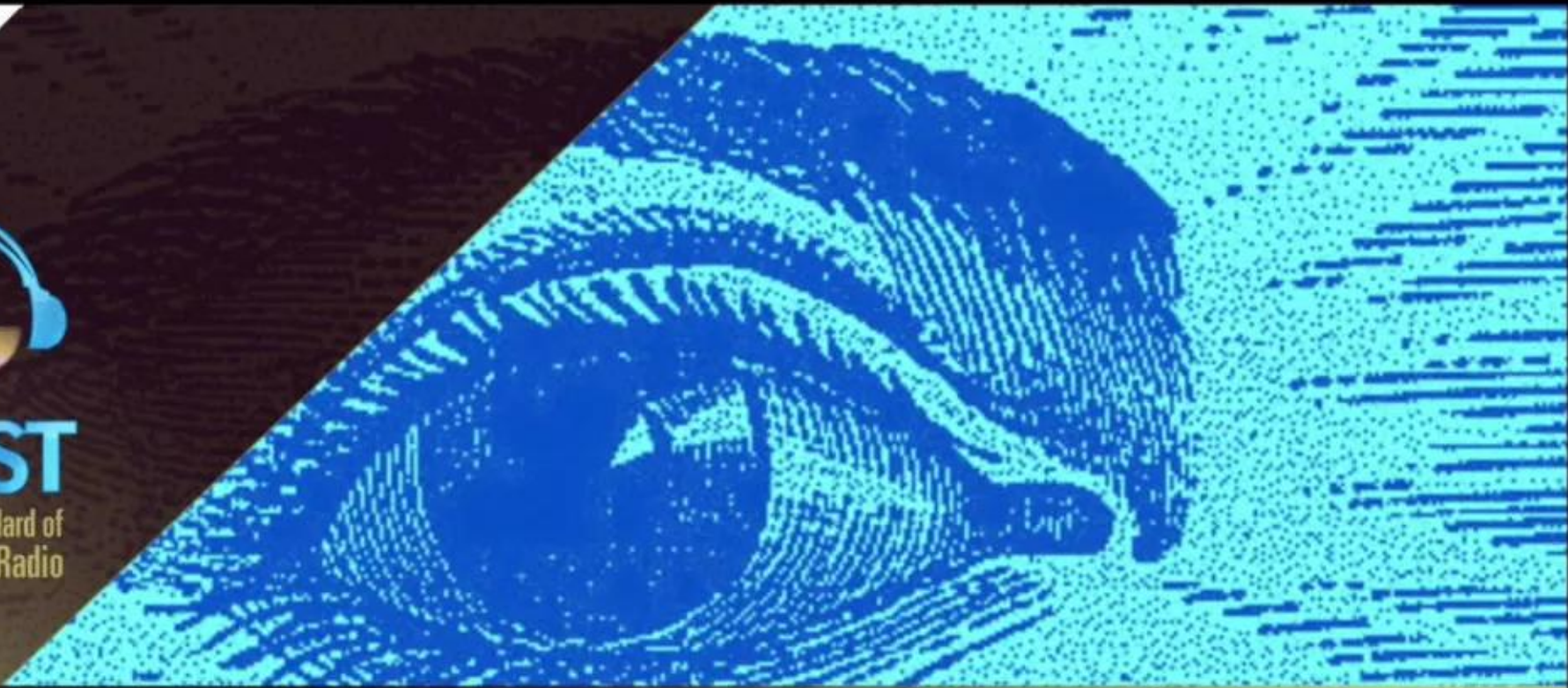


03/20/11



JOHN BRANDENBURG, Ph.D.

1
00:00:21,290 --> 00:00:07,810

[Music]

2
00:00:32,069 --> 00:00:23,790

you're in the para cast the gold

3
00:00:34,439 --> 00:00:32,079

standard of paranormal radio this is an

4
00:00:36,119 --> 00:00:34,449

encore appearance the power cast with

5
00:00:38,040 --> 00:00:36,129

gene Steinberg on our co-host Chris

6
00:00:40,500 --> 00:00:38,050

O'Brien we're going to be talking again

7
00:00:42,360 --> 00:00:40,510

with dr. John Brandenburg and the last

8
00:00:45,509 --> 00:00:42,370

time he joined us and that's the January

9
00:00:47,160 --> 00:00:45,519

2nd 2011 show the first of the year he

10
00:00:49,410 --> 00:00:47,170

was talking about lots of interesting

11
00:00:51,600 --> 00:00:49,420

things including the book that he was

12
00:00:54,299 --> 00:00:51,610

working on at the time called life and

13
00:00:55,710 --> 00:00:54,309

death on Mars the new Mars synthesis

14

00:00:57,780 --> 00:00:55,720

well since then the book has been

15

00:01:00,359 --> 00:00:57,790

published and this is one of the first

16

00:01:02,700 --> 00:01:00,369

shows anywhere on this planet maybe not

17

00:01:04,289 --> 00:01:02,710

on Mars where you'll hear all about it

18

00:01:07,320 --> 00:01:04,299

and we'll talk about the book and why a

19

00:01:09,510 --> 00:01:07,330

plasma physicist became intrigued with

20

00:01:12,390 --> 00:01:09,520

the red planet and why people in general

21

00:01:14,390 --> 00:01:12,400

are intrigued with the red planet so Jon

22

00:01:17,700 --> 00:01:14,400

welcome back to the power cast a

23

00:01:19,380 --> 00:01:17,710

Christian it's great to be back and yeah

24

00:01:21,870 --> 00:01:19,390

we've got a lot to talk about um well

25

00:01:24,539 --> 00:01:21,880

actually John has a new book coming out

26

00:01:27,480 --> 00:01:24,549

that's called beyond Einstein's

27

00:01:30,539 --> 00:01:27,490

relativity is that know beyond science

28

00:01:33,539 --> 00:01:30,549

Unified Field okay right gravitational

29

00:01:36,569 --> 00:01:33,549

electromagnetic magnetism redefined is

30

00:01:38,399 --> 00:01:36,579

the subtitle and this way about the gym

31

00:01:41,580 --> 00:01:38,409

unification theory that I have developed

32

00:01:42,859 --> 00:01:41,590

right which is one of your major career

33

00:01:46,830 --> 00:01:42,869

goals that you've been working on what

34

00:01:48,599 --> 00:01:46,840

my major career goals yes right we're

35

00:01:51,239 --> 00:01:48,609

gonna be covering that and as well as

36

00:01:52,800 --> 00:01:51,249

your you know most recent book that's

37

00:01:54,959 --> 00:01:52,810

that's been published called life and

38

00:01:56,399 --> 00:01:54,969

death on Mars the new Mars synthesis and

39

00:01:58,739 --> 00:01:56,409

we're gonna be getting into a lot of the

40

00:02:01,080 --> 00:01:58,749

interesting aspects of your work your

41

00:02:02,789 --> 00:02:01,090

sideline work studying Mars that we

42

00:02:05,099 --> 00:02:02,799

weren't able to cover in your first

43

00:02:06,569 --> 00:02:05,109

appearance on the show and there's a lot

44

00:02:08,639 --> 00:02:06,579

of interesting stuff I want to get into

45

00:02:10,740 --> 00:02:08,649

about that including your theory of an

46

00:02:13,230 --> 00:02:10,750

airburst nuclear explosion on Mars which

47

00:02:14,910 --> 00:02:13,240

we'll we'll cover as well yeah what are

48

00:02:17,460 --> 00:02:14,920

the things I wanted to start with John

49

00:02:20,160 --> 00:02:17,470

is the fascination we all have a

50

00:02:21,990 --> 00:02:20,170

fascination with Mars why is that

51
00:02:25,589 --> 00:02:22,000
is it because somewhere in our racial

52
00:02:28,280 --> 00:02:25,599
memory we came from there really or just

53
00:02:32,040 --> 00:02:28,290
because Mars is there and it's distinct

54
00:02:35,310 --> 00:02:32,050
yeah there is a very eerie

55
00:02:36,900 --> 00:02:35,320
since that perhaps we all want to go

56
00:02:37,680 --> 00:02:36,910
back to Mars because that's where we

57
00:02:41,700 --> 00:02:37,690
started from

58
00:02:44,400 --> 00:02:41,710
and based on the best science we have

59
00:02:47,460 --> 00:02:44,410
now you know they've of course had NASA

60
00:02:49,680 --> 00:02:47,470
scientists say that we've had found

61
00:02:56,130 --> 00:02:49,690
signs of life on early Mars from this

62
00:02:59,640 --> 00:02:56,140
one alh84001 the Mars Rock and that

63
00:03:01,530 --> 00:02:59,650

shows that life was on Mars about as

64

00:03:04,740 --> 00:03:01,540

soon as the solar system formed and

65

00:03:07,740 --> 00:03:04,750

they've also found evidence in earth

66

00:03:10,700 --> 00:03:07,750

rocks that going back almost four

67

00:03:13,260 --> 00:03:10,710

billion years that Earth was alive

68

00:03:16,290 --> 00:03:13,270

almost as soon as the surface cooled off

69

00:03:17,580 --> 00:03:16,300

enough to have an ocean and of course

70

00:03:19,680 --> 00:03:17,590

you know when there are foreign first

71

00:03:21,870 --> 00:03:19,690

foreign it was really hot and and so was

72

00:03:24,530 --> 00:03:21,880

Mars but Mars cooled off quicker as far

73

00:03:27,540 --> 00:03:24,540

as from the Sun and it was smaller so

74

00:03:29,760 --> 00:03:27,550

both Earth and Mars probably were seeded

75

00:03:32,460 --> 00:03:29,770

from the same source so the universe is

76

00:03:36,330 --> 00:03:32,470

probably full of spores of living that

77

00:03:37,650 --> 00:03:36,340

basically just like that cupcake you

78

00:03:40,560 --> 00:03:37,660

push to the back of your refrigerator

79

00:03:45,750 --> 00:03:40,570

somehow gets mold on it you don't know

80

00:03:47,970 --> 00:03:45,760

how after a couple months the same thing

81

00:03:50,520 --> 00:03:47,980

has happened to the planets basically

82

00:03:52,770 --> 00:03:50,530

there's spores in space that basically

83

00:03:54,900 --> 00:03:52,780

end up on the planets and it's called

84

00:03:57,570 --> 00:03:54,910

pantless ideas called panspermia by the

85

00:03:59,030 --> 00:03:57,580

way it's a very it's a very old idea it

86

00:04:05,100 --> 00:03:59,040

actually goes back to the ancient Greeks

87

00:04:08,160 --> 00:04:05,110

but the what happened was Mars probably

88

00:04:10,380 --> 00:04:08,170

became biologically a growing concern

89

00:04:13,670 --> 00:04:10,390

far earlier than Earth Earth was a

90

00:04:16,680 --> 00:04:13,680

little back earth was a big hot house

91

00:04:19,320 --> 00:04:16,690

kind of a giant swamp where only the

92

00:04:23,400 --> 00:04:19,330

most kind of primitive kind of bugs

93

00:04:26,550 --> 00:04:23,410

lived Mars cooled off became much more

94

00:04:29,909 --> 00:04:26,560

like Earth as now and probably supported

95

00:04:34,170 --> 00:04:29,919

advanced life forms much before Earth

96

00:04:35,610 --> 00:04:34,180

did earth actually for about for earth

97

00:04:37,790 --> 00:04:35,620

was formed four-and-a-half billion years

98

00:04:40,320 --> 00:04:37,800

ago for about four billion years of that

99

00:04:42,390 --> 00:04:40,330

they're almost nothing happened on earth

100

00:04:45,250 --> 00:04:42,400

there were just bacteria and mold and

101
00:04:48,490 --> 00:04:45,260
stuff like that maybe a little algae

102
00:04:50,050 --> 00:04:48,500
and there was and then suddenly half a

103
00:04:52,510 --> 00:04:50,060
billion years ago we had what was called

104
00:04:56,380 --> 00:04:52,520
the Precambrian explosion where suddenly

105
00:04:58,390 --> 00:04:56,390
life on earth just blossomed into all

106
00:05:01,330 --> 00:04:58,400
these different forms and all of

107
00:05:03,300 --> 00:05:01,340
Aleutian in there was one of the things

108
00:05:07,360 --> 00:05:03,310
that appeared was actually predators

109
00:05:09,100 --> 00:05:07,370
predators have breathed oxygen and you

110
00:05:12,760 --> 00:05:09,110
must understand in the bacterial world

111
00:05:16,620 --> 00:05:12,770
oxygen is like nitro is to drag racing

112
00:05:19,780 --> 00:05:16,630
it is a high energy fuel and once a

113
00:05:22,390 --> 00:05:19,790

bacteria masters burning oxygen it can

114

00:05:25,390 --> 00:05:22,400

outrun all of the other predators and

115

00:05:26,440 --> 00:05:25,400

bugs that use just like make methane and

116

00:05:28,450 --> 00:05:26,450

stuff like that to what's called

117

00:05:30,580 --> 00:05:28,460

anaerobic respiration has far less

118

00:05:32,020 --> 00:05:30,590

energy now

119

00:05:34,840 --> 00:05:32,030

the question has always been what

120

00:05:37,480 --> 00:05:34,850

triggered this explosion of life on

121

00:05:39,630 --> 00:05:37,490

earth a cornucopia of strange stuff I

122

00:05:42,130 --> 00:05:39,640

mean stuff is so weird they call a

123

00:05:45,730 --> 00:05:42,140

hallucinogenic solution the djinns is

124

00:05:48,880 --> 00:05:45,740

one of the species they found because it

125

00:05:52,060 --> 00:05:48,890

looks so weird look like something from

126
00:05:54,790 --> 00:05:52,070
a hallucination and this all happened

127
00:05:57,550 --> 00:05:54,800
half a billion years ago about that same

128
00:06:01,200 --> 00:05:57,560
time on Mars a big asteroid apparently

129
00:06:04,330 --> 00:06:01,210
plowed into Mars and probably spewed

130
00:06:07,390 --> 00:06:04,340
rocks covered with Mars life all

131
00:06:10,870 --> 00:06:07,400
throughout space and so the Precambrian

132
00:06:12,460 --> 00:06:10,880
explosion Mars died as you know it's

133
00:06:15,250 --> 00:06:12,470
biosphere apparently collapsed because

134
00:06:17,530 --> 00:06:15,260
of this big asteroid impact just about

135
00:06:19,330 --> 00:06:17,540
the time life really got going on earth

136
00:06:22,290 --> 00:06:19,340
and so perhaps the very Cambrian

137
00:06:24,940 --> 00:06:22,300
explosion was an invasion from Mars

138
00:06:27,010 --> 00:06:24,950

yes brings up an interesting point Jon

139

00:06:29,620 --> 00:06:27,020

nudge on the exams life on Earth is

140

00:06:33,930 --> 00:06:29,630

actually Martian the old bacteria

141

00:06:37,330 --> 00:06:33,940

botulism stuff like stuff like botulism

142

00:06:38,770 --> 00:06:37,340

that's old primitive life on Earth the

143

00:06:41,650 --> 00:06:38,780

new life on Earth

144

00:06:43,930 --> 00:06:41,660

you know multiply shell your animals

145

00:06:46,990 --> 00:06:43,940

jellyfish you know trilobites stuff like

146

00:06:49,240 --> 00:06:47,000

that that that maybe Martian well we

147

00:06:50,650 --> 00:06:49,250

wrote here on meteorites let me

148

00:06:52,780 --> 00:06:50,660

interrupt you here for a second because

149

00:06:54,550 --> 00:06:52,790

our current the current Journal of

150

00:06:56,740 --> 00:06:54,560

cosmology there's a very interesting

151

00:06:59,170 --> 00:06:56,750

paper that's been published

152

00:07:02,110 --> 00:06:59,180

dr. Richard Hoover which talks about

153

00:07:03,580 --> 00:07:02,120

fossil fossils of cyanobacteria that

154

00:07:05,650 --> 00:07:03,590

have been found on carbonaceous

155

00:07:07,810 --> 00:07:05,660

meteorites and he found absolutely NASA

156

00:07:08,920 --> 00:07:07,820

NASA agreed with his results and now

157

00:07:12,400 --> 00:07:08,930

they're backtracking you want to talk

158

00:07:14,560 --> 00:07:12,410

about that oh oh oh yes well what thing

159

00:07:17,770 --> 00:07:14,570

you have to realize we're poised on the

160

00:07:20,470 --> 00:07:17,780

edge of a second Copernican revolution

161

00:07:22,270 --> 00:07:20,480

we're gonna we don't think we're the

162

00:07:24,730 --> 00:07:22,280

geometric center near the universe but

163

00:07:26,770 --> 00:07:24,740

everybody thinks were the center of the

164

00:07:29,170 --> 00:07:26,780

biological universe we're the Masters of

165

00:07:32,290 --> 00:07:29,180

the only thing in the universe that

166

00:07:33,550 --> 00:07:32,300

matters that's alive except in Star Trek

167

00:07:35,440 --> 00:07:33,560

and of course you have all these other

168

00:07:39,520 --> 00:07:35,450

racers but then who believes Star Trek

169

00:07:41,290 --> 00:07:39,530

right well yeah remember 1984 you had

170

00:07:43,390 --> 00:07:41,300

double think people can entertain two

171

00:07:46,150 --> 00:07:43,400

contradictory ideas and their mind at

172

00:07:48,040 --> 00:07:46,160

the same time one of them is that we are

173

00:07:50,830 --> 00:07:48,050

masters of the universe the human race

174

00:07:52,630 --> 00:07:50,840

and that's because we are masters of

175

00:07:54,340 --> 00:07:52,640

this little oasis in the middle of the

176

00:07:56,770 --> 00:07:54,350

desert we think that that is the entire

177

00:07:59,980 --> 00:07:56,780

world there's just this Oasis Living

178

00:08:04,350 --> 00:07:59,990

Oasis and then desert lifeless desert

179

00:08:06,880 --> 00:08:04,360

and at the same time you tell other ass

180

00:08:09,190 --> 00:08:06,890

scientists who are criticizing anytime

181

00:08:11,290 --> 00:08:09,200

anybody like who refines evidence for

182

00:08:11,950 --> 00:08:11,300

extraterrestrial life they jump all over

183

00:08:14,950 --> 00:08:11,960

him

184

00:08:16,450 --> 00:08:14,960

what happen in the case of NASA they try

185

00:08:18,820 --> 00:08:16,460

to disown him even though he's been a

186

00:08:20,640 --> 00:08:18,830

serious NASA researcher and this man is

187

00:08:23,920 --> 00:08:20,650

a very careful man I've talked to him

188

00:08:27,280 --> 00:08:23,930

he's very careful with his techniques he

189

00:08:29,140 --> 00:08:27,290

is his findings are solid and I'm gonna

190

00:08:31,690 --> 00:08:29,150

tell you the really big shoes it's gonna

191

00:08:35,529 --> 00:08:31,700

drop here just in a minute but I'll tell

192

00:08:38,920 --> 00:08:35,539

you people even science educated

193

00:08:42,180 --> 00:08:38,930

scientists do not like the idea that

194

00:08:44,920 --> 00:08:42,190

they're gonna find extraterrestrial life

195

00:08:46,990 --> 00:08:44,930

it's it's the difference between an ID

196

00:08:49,690 --> 00:08:47,000

and the abstract and the idea and the

197

00:08:52,030 --> 00:08:49,700

real and the idea and the real means

198

00:08:55,300 --> 00:08:52,040

they are demoted it's almost as if

199

00:08:58,000 --> 00:08:55,310

they're telling me Brandenburg I am

200

00:08:59,829 --> 00:08:58,010

struggled and to become head of my

201
00:09:01,510 --> 00:08:59,839
department I'm bucking for Dean of Arts

202
00:09:04,660 --> 00:09:01,520
and Sciences and you're telling me I'm

203
00:09:09,610 --> 00:09:04,670
nothing so basically the arrival of

204
00:09:10,900 --> 00:09:09,620
knowledge that it is here is real owes

205
00:09:14,080 --> 00:09:10,910
enough to be

206
00:09:18,300 --> 00:09:14,090
okay so that knowledge you're saying can

207
00:09:22,270 --> 00:09:18,310
basically destroy the domain zombie nice

208
00:09:24,220 --> 00:09:22,280
yep okay yep and and I'll tell you the

209
00:09:27,520 --> 00:09:24,230
other shoe that's gonna drop by the way

210
00:09:30,400 --> 00:09:27,530
that the meteorites he carved into are

211
00:09:35,230 --> 00:09:30,410
actually for Mars I published that paper

212
00:09:37,360 --> 00:09:35,240
in 1996 yeah we'll go into that more in

213
00:09:44,590 --> 00:09:37,370

a moment because shooting has to drop

214

00:09:48,730 --> 00:09:44,600

it's called the sponsorship shoe we're

215

00:09:51,040 --> 00:09:48,740

talking to dr. John John Brandenburg the

216

00:09:56,610 --> 00:09:51,050

co-host is Chris O'Brien I'm gene

217

00:10:01,990 --> 00:09:59,400

[Music]

218

00:10:04,120 --> 00:10:02,000

don't complain about your cable bill

219

00:10:04,840 --> 00:10:04,130

going up and up and up do something

220

00:10:06,850 --> 00:10:04,850

about it

221

00:10:08,710 --> 00:10:06,860

grab a pencil and jot down this special

222

00:10:11,650 --> 00:10:08,720

number one eighty seven seven eight zero

223

00:10:14,470 --> 00:10:11,660

for my TV the more cable TV rates go up

224

00:10:16,390 --> 00:10:14,480

the better digital satellite TV looks so

225

00:10:18,730 --> 00:10:16,400

disable the cable and get more of your

226

00:10:20,950 --> 00:10:18,740

favorite channels in 100% digital

227

00:10:23,560 --> 00:10:20,960

quality for less money call one eight

228

00:10:25,390 --> 00:10:23,570

seven seven eight zero for my TV right

229

00:10:28,000 --> 00:10:25,400

now to sign up for packages starting as

230

00:10:30,100 --> 00:10:28,010

low as \$19.99 and up to four rooms and

231

00:10:32,650 --> 00:10:30,110

there's no equipment to buy that

232

00:10:34,960 --> 00:10:32,660

includes your free HDTV upgrade your

233

00:10:36,880 --> 00:10:34,970

free DVR upgrade and your free

234

00:10:39,100 --> 00:10:36,890

professional installation and the best

235

00:10:40,840 --> 00:10:39,110

part the pristine digital picture and

236

00:10:43,390 --> 00:10:40,850

sound call one eight seven seven eight

237

00:10:43,660 --> 00:10:43,400

zero for my TV so what are you waiting

238

00:10:45,610 --> 00:10:43,670

for

239

00:10:47,650 --> 00:10:45,620

pull out your major credit or debit card

240

00:10:49,960 --> 00:10:47,660

call twenty seven seven eight zero for

241

00:10:52,930 --> 00:10:49,970

my TV one eight seven seven eight zero

242

00:10:54,760 --> 00:10:52,940

for my TV disable became cut costs and

243

00:10:57,220 --> 00:10:54,770

get more call one eight seven seven

244

00:11:00,370 --> 00:10:57,230

eight zero for my TV one eight seven

245

00:11:02,200 --> 00:11:00,380

seven feet zero for my TV on the average

246

00:11:03,670 --> 00:11:02,210

Americans work between forty five to

247

00:11:05,500 --> 00:11:03,680

fifty years hoping to build up enough

248

00:11:07,870 --> 00:11:05,510

wealth to retire and live out their

249

00:11:10,480 --> 00:11:07,880

golden years unfortunately with taxation

250

00:11:12,910 --> 00:11:10,490

the rising cost of food energy housing

251
00:11:14,890 --> 00:11:12,920
and medical many retirees are forced to

252
00:11:17,050 --> 00:11:14,900
live below the poverty line is this a

253
00:11:18,520 --> 00:11:17,060
fly free enterprise or is our monetary

254
00:11:20,950 --> 00:11:18,530
unit we call the Federal Reserve Note

255
00:11:22,230 --> 00:11:20,960
forcing us into perpetual debt insuring

256
00:11:24,389 --> 00:11:22,240
inflation in higher

257
00:11:26,400 --> 00:11:24,399
these questions and more can be answered

258
00:11:28,079 --> 00:11:26,410
by reading G Edward Griffin book the

259
00:11:30,059 --> 00:11:28,089
creature from Jekyll Island congressman

260
00:11:32,790 --> 00:11:30,069
Ron Paul States it's what every American

261
00:11:34,769 --> 00:11:32,800
needs to know about central bank power a

262
00:11:37,470 --> 00:11:34,779
gripping adventure into the secret world

263
00:11:39,269 --> 00:11:37,480

of international banking cartel hi this

264

00:11:41,460 --> 00:11:39,279

is Ted Anderson I will give a silver

265

00:12:20,809 --> 00:11:41,470

dollar from the early 1900's to anyone

266

00:12:29,699 --> 00:12:27,239

1-866-376-8255 percent jump in the next

267

00:12:31,829 --> 00:12:29,709

60 days move quickly while you could

268

00:12:33,689 --> 00:12:31,839

still afford it and e foods direct will

269

00:12:35,970 --> 00:12:33,699

pay your shipping costs for you for the

270

00:12:37,829 --> 00:12:35,980

best tasting long term storable food you

271

00:12:40,049 --> 00:12:37,839

pay nothing for shipping and can put

272

00:12:42,720 --> 00:12:40,059

every dollar into food at today's prices

273

00:12:44,519 --> 00:12:42,730

key foods direct foods so delicious you

274

00:12:46,319 --> 00:12:44,529

can serve it tonight or save it for the

275

00:12:49,499 --> 00:12:46,329

future take advantage of free shipping

276
00:12:51,720 --> 00:12:49,509
by calling 804 zero nine five six three

277
00:12:55,470 --> 00:12:51,730
three on the web at eat foods direct

278
00:12:57,480 --> 00:12:55,480
comm slash alex 804 zero nine five six

279
00:13:00,960 --> 00:12:57,490
thirty three or eat foods direct.com

280
00:13:02,999 --> 00:13:00,970
slash Alex did you know that drinking

281
00:13:04,769 --> 00:13:03,009
pure high alkaline water is one of the

282
00:13:06,689 --> 00:13:04,779
most important factors in maintaining

283
00:13:08,429 --> 00:13:06,699
high energy and vibrant health most

284
00:13:10,410 --> 00:13:08,439
experts agree that the water you drank

285
00:13:13,289 --> 00:13:10,420
should be at a pH level of 8 or higher

286
00:13:15,780 --> 00:13:13,299
alcove ition plasma pH drops available

287
00:13:17,639 --> 00:13:15,790
only at elevation com combine a unique

288
00:13:19,739 --> 00:13:17,649

formula of only the most alkaline

289

00:13:21,989 --> 00:13:19,749

minerals Alka vision plasma pH drops

290

00:13:23,939 --> 00:13:21,999

alkalis your water ridding the body of

291

00:13:26,160 --> 00:13:23,949

harmful toxins and helps you regain

292

00:13:28,109 --> 00:13:26,170

health and energy alkalizing your water

293

00:13:30,509 --> 00:13:28,119

by simply adding 10 drops of alkaviva

294

00:13:32,220 --> 00:13:30,519

plasma pH drops helps the body rid

295

00:13:34,710 --> 00:13:32,230

itself of acidic wastes in

296

00:13:37,080 --> 00:13:34,720

his oxygen content and raises the pH of

297

00:13:38,970 --> 00:13:37,090

your body to healthy levels and bacteria

298

00:13:41,100 --> 00:13:38,980

and viruses cannot survive in an

299

00:13:43,290 --> 00:13:41,110

alkaline high pH environment order your

300

00:13:44,940 --> 00:13:43,300

bottle of alkaviva plasma pH drops for

301

00:13:48,060 --> 00:13:44,950

only twenty nine ninety five at Alka

302

00:13:54,080 --> 00:13:48,070

vision com that's ALK a vision calm or

303

00:13:56,670 --> 00:13:54,090

call 269 4 0 9 1776 2 6 9 4 0 9 1776

304

00:14:00,810 --> 00:13:56,680

alkalize your body supercharge your

305

00:14:03,030 --> 00:14:00,820

health at Alka vision calm today the GC

306

00:14:06,650 --> 00:14:03,040

and radio network providing the world

307

00:14:12,699 --> 00:14:06,660

with hard-hitting talk radio G C and

308

00:14:17,329 --> 00:14:15,499

we want to hear from you if you have a

309

00:14:21,110 --> 00:14:17,339

comment or question about the pair cast

310

00:14:24,680 --> 00:14:21,120

send it to news at the podcast com

311

00:14:26,300 --> 00:14:24,690

that's news at the para cast calm and

312

00:14:28,970 --> 00:14:26,310

don't forget to visit our famous pair of

313

00:14:31,579 --> 00:14:28,980

cast community forums at forum dot the

314

00:14:37,939 --> 00:14:31,589

para cast com get in on all the action

315

00:14:38,540 --> 00:14:37,949

at forum dot the para cast comm we

316

00:14:41,900 --> 00:14:38,550

return

317

00:14:44,809 --> 00:14:41,910

alright the lively dr. John Brandenburg

318

00:14:46,970 --> 00:14:44,819

he's a plasma physicist the co-host is

319

00:14:48,439 --> 00:14:46,980

Chris O'Brien I'm gene steinberger in

320

00:14:53,629 --> 00:14:48,449

the power cast and we were discussing

321

00:14:56,210 --> 00:14:53,639

other shoes that begin and end with

322

00:14:57,769 --> 00:14:56,220

what's happening our knowledge about

323

00:14:59,449 --> 00:14:57,779

Mars so you're saying that the

324

00:15:03,050 --> 00:14:59,459

meteorites that supposedly contain

325

00:15:04,990 --> 00:15:03,060

evidence of et they are from Mars all of

326

00:15:08,540 --> 00:15:05,000

them they are also from Mars like

327

00:15:10,939 --> 00:15:08,550

alh84001 and what it is is the the way

328

00:15:14,329 --> 00:15:10,949

you tell where a meteorite comes from is

329

00:15:17,840 --> 00:15:14,339

oxygen isotopes and chromium isotopes

330

00:15:19,610 --> 00:15:17,850

and you can rank every major body in the

331

00:15:23,059 --> 00:15:19,620

solar system has a distinctive signature

332

00:15:25,009 --> 00:15:23,069

apparently in oxygen isotopes you know

333

00:15:27,110 --> 00:15:25,019

the oxygen chemicals are all the same

334

00:15:29,780 --> 00:15:27,120

the oxygen chemically acts the same so

335

00:15:32,929 --> 00:15:29,790

it but the nuclear structure is slightly

336

00:15:36,110 --> 00:15:32,939

different among the oxygens Mars has a

337

00:15:39,199 --> 00:15:36,120

slightly lighter type of oxygen mix of

338

00:15:40,759 --> 00:15:39,209

isotopes than earth does so that's how

339

00:15:44,300 --> 00:15:40,769

they can tell if a rock is from Mars

340

00:15:47,269 --> 00:15:44,310

they test the ice oxygen isotopes and it

341

00:15:49,999 --> 00:15:47,279

says ok Mars all was all the meteorites

342

00:15:52,280 --> 00:15:50,009

from Mars have the same oxygen isotopes

343

00:15:56,240 --> 00:15:52,290

what's incident is really interesting is

344

00:15:58,100 --> 00:15:56,250

the isotopes for Earth are identical to

345

00:16:00,139 --> 00:15:58,110

the moon so that's why people believe

346

00:16:01,999 --> 00:16:00,149

the moon actually in the earth form

347

00:16:05,569 --> 00:16:02,009

together or split apart or something

348

00:16:07,490 --> 00:16:05,579

their isotopes are the same now also

349

00:16:10,689 --> 00:16:07,500

there's another new isotope system

350

00:16:13,670 --> 00:16:10,699

called chromium and that identifies Mars

351
00:16:15,559 --> 00:16:13,680
versus earth and other planets are like

352
00:16:17,749 --> 00:16:15,569
other meteorites from the asteroid belt

353
00:16:19,730 --> 00:16:17,759
they have the different asteroids in the

354
00:16:22,699 --> 00:16:19,740
asteroid belt apparently have different

355
00:16:24,679 --> 00:16:22,709
signatures however if you test the Cl

356
00:16:26,180 --> 00:16:24,689
for their oxygen isotopes and their

357
00:16:30,470 --> 00:16:26,190
chromium isotopes

358
00:16:32,840 --> 00:16:30,480
it says Mars and this by the way got an

359
00:16:38,000 --> 00:16:32,850
extremely angry reaction when I

360
00:16:40,190 --> 00:16:38,010
published it because the Cir two percent

361
00:16:42,500 --> 00:16:40,200
organic manner and they're very ancient

362
00:16:44,780 --> 00:16:42,510
like alh84001 they're four and a half

363
00:16:46,840 --> 00:16:44,790

billion years old apparently they're old

364

00:16:49,910 --> 00:16:46,850

Martian lakebottom is what they are

365

00:16:53,090 --> 00:16:49,920

lakes formed on Mars full of cosmic dust

366

00:16:55,610 --> 00:16:53,100

forming mud and then that got blown into

367

00:16:58,760 --> 00:16:55,620

space by other big rocks and sent to

368

00:17:01,250 --> 00:16:58,770

earth and that's the CI and our all

369

00:17:04,160 --> 00:17:01,260

meteorites from Mars are just as oh no

370

00:17:06,350 --> 00:17:04,170

no no but only one in a million meteor

371

00:17:08,449 --> 00:17:06,360

righteous for Mars there are millions of

372

00:17:10,699 --> 00:17:08,459

meteorites in the collections there are

373

00:17:12,650 --> 00:17:10,709

only a dozen CI and there are only a

374

00:17:14,900 --> 00:17:12,660

dozen Mars meet recognize Mars

375

00:17:17,630 --> 00:17:14,910

meteorites so they're about they're

376

00:17:22,250 --> 00:17:17,640

about fifty-fifty if you include the CI

377

00:17:24,980 --> 00:17:22,260

with the Mars meteorites then you have

378

00:17:26,750 --> 00:17:24,990

about twenty four meteorites all told

379

00:17:28,790 --> 00:17:26,760

out of millions that fall out of the sky

380

00:17:31,190 --> 00:17:28,800

most of the meteorites come from the

381

00:17:33,770 --> 00:17:31,200

asteroid belt where there's constantly

382

00:17:35,210 --> 00:17:33,780

collisions between asteroids and that

383

00:17:38,720 --> 00:17:35,220

blows a little chunks off them and then

384

00:17:41,120 --> 00:17:38,730

they end up on earth and as it turns it

385

00:17:44,840 --> 00:17:41,130

out there are little pieces of lava in

386

00:17:47,090 --> 00:17:44,850

the CI and the labem a ch's Mars the

387

00:17:50,570 --> 00:17:47,100

mark the Mars meteorites are all lavas

388

00:17:54,350 --> 00:17:50,580

and those lavas have a element in them

389

00:17:57,110 --> 00:17:54,360

called olivine and the olivine in the CI

390

00:17:59,030 --> 00:17:57,120

matches Mars chemically and is it ah

391

00:18:02,420 --> 00:17:59,040

and it's isotopes so there but by the

392

00:18:05,060 --> 00:18:02,430

way people were very angry with me when

393

00:18:06,410 --> 00:18:05,070

I made this I published it I had was a

394

00:18:08,120 --> 00:18:06,420

big fight to get it published I

395

00:18:12,020 --> 00:18:08,130

published that people would show up at

396

00:18:13,700 --> 00:18:12,030

meetings and be angry with me he was

397

00:18:16,520 --> 00:18:13,710

such a nice guy how could they be I know

398

00:18:21,710 --> 00:18:16,530

I know but apparently I really annoy

399

00:18:24,590 --> 00:18:21,720

certain people and they have long gray

400

00:18:27,050 --> 00:18:24,600

beards and I tend to pull on their beers

401
00:18:29,840 --> 00:18:27,060
when I'm arguing with them and this one

402
00:18:34,070 --> 00:18:29,850
guy got up and said what you said is

403
00:18:37,310 --> 00:18:34,080
absolutely wrong and I know this guy and

404
00:18:39,020 --> 00:18:37,320
I checked my notes what the statement I

405
00:18:40,190 --> 00:18:39,030
had made that there were by the way that

406
00:18:44,060 --> 00:18:40,200
the see I don't

407
00:18:46,399 --> 00:18:44,070
any little hypervelocity impacts on them

408
00:18:48,919 --> 00:18:46,409
like every other meteorite except the

409
00:18:50,479 --> 00:18:48,929
Mars meteorites and I said they don't

410
00:18:51,830 --> 00:18:50,489
have any hypervelocity impacts and he

411
00:18:56,119 --> 00:18:51,840
got up said that's not true

412
00:18:58,430 --> 00:18:56,129
bah humbug and I checked my notes I had

413
00:19:01,299 --> 00:18:58,440

quoted his article on the CI for my

414

00:19:04,489 --> 00:19:01,309

meteorite so I said I showed this to him

415

00:19:06,529 --> 00:19:04,499

after in the hallway I said his name was

416

00:19:08,840 --> 00:19:06,539

John also I said John you just

417

00:19:11,899 --> 00:19:08,850

contradicted your own article in there

418

00:19:13,549 --> 00:19:11,909

he just looks at me because just because

419

00:19:14,930 --> 00:19:13,559

the isotopes say they're for bars that

420

00:19:19,970 --> 00:19:14,940

doesn't mean they're from ours what

421

00:19:21,649 --> 00:19:19,980

stomped away the isotopes don't lie

422

00:19:23,840 --> 00:19:21,659

though the isotope they're they're

423

00:19:25,700 --> 00:19:23,850

basically fingerprints the fingerprint

424

00:19:28,489 --> 00:19:25,710

these things have the same fingerprints

425

00:19:29,389 --> 00:19:28,499

as the Mars meteorites and that means

426

00:19:31,759 --> 00:19:29,399

that they're from Mars

427

00:19:33,349 --> 00:19:31,769

and that means if you cut them open at

428

00:19:37,190 --> 00:19:33,359

the find bacteria in them you're

429

00:19:40,609 --> 00:19:37,200

basically just validating the the work

430

00:19:43,190 --> 00:19:40,619

of mackanin company at NASA they what

431

00:19:45,320 --> 00:19:43,200

they what Hoover has basically all done

432

00:19:48,080 --> 00:19:45,330

all over again is discover life on Mars

433

00:19:49,849 --> 00:19:48,090

and which makes perfect sense because

434

00:19:52,070 --> 00:19:49,859

well he doesn't mention anywhere in his

435

00:19:54,049 --> 00:19:52,080

paper in the abstract it oh I know we've

436

00:19:56,479 --> 00:19:54,059

discussed that and he basically said

437

00:19:58,099 --> 00:19:56,489

well John I'm just trying to get people

438

00:20:02,450 --> 00:19:58,109

to believe that they're actually these

439

00:20:04,460 --> 00:20:02,460

you know these bacteria he said I don't

440

00:20:09,409 --> 00:20:04,470

want to get involved in the big fight

441

00:20:11,539 --> 00:20:09,419

about where they come from everyone

442

00:20:13,789 --> 00:20:11,549

believes they come from outer space and

443

00:20:15,919 --> 00:20:13,799

he says so therefore if I find bacteria

444

00:20:17,960 --> 00:20:15,929

in them in there from outer space then

445

00:20:19,789 --> 00:20:17,970

there's life in outer space my babies

446

00:20:22,729 --> 00:20:19,799

died and I understand that he's trying

447

00:20:25,039 --> 00:20:22,739

to he's trying to pull everybody along

448

00:20:27,859 --> 00:20:25,049

gently okay let me ask you a question

449

00:20:32,479 --> 00:20:27,869

that occurs to me John is okay

450

00:20:34,639 --> 00:20:32,489

so maybe this evidence of life in outer

451

00:20:36,799 --> 00:20:34,649

space is Martian but is there any

452

00:20:39,950 --> 00:20:36,809

evidence anywhere of life in outer space

453

00:20:41,960 --> 00:20:39,960

elsewhere yes there is there's a

454

00:20:44,899 --> 00:20:41,970

completely different type of meteorite

455

00:20:47,629 --> 00:20:44,909

which is similar it's similar to the CI

456

00:20:50,739 --> 00:20:47,639

it's kind of watery it's it's dried out

457

00:20:52,330 --> 00:20:50,749

clay but it's full o it's riddled with

458

00:20:53,950 --> 00:20:52,340

bullet holes

459

00:20:55,450 --> 00:20:53,960

hypervelocity impacts out in the

460

00:20:58,060 --> 00:20:55,460

asteroid belt is clearly from the

461

00:21:00,100 --> 00:20:58,070

asteroid belt and they found a bacteria

462

00:21:03,280 --> 00:21:00,110

fossil in that - and it's called

463

00:21:05,370 --> 00:21:03,290

Murchison and the reason Murchison is

464

00:21:09,160 --> 00:21:05,380

important it's what's called ACM

465

00:21:11,320 --> 00:21:09,170

carbonaceous chondrite and it's oxygen

466

00:21:12,850 --> 00:21:11,330

isotopes by the way are absolutely

467

00:21:15,250 --> 00:21:12,860

different than the CI and the Mars

468

00:21:18,910 --> 00:21:15,260

meteorites and Earth they are completely

469

00:21:20,560 --> 00:21:18,920

different and they are probably most

470

00:21:23,250 --> 00:21:20,570

likely from the asteroid belt they look

471

00:21:26,380 --> 00:21:23,260

like they're from the asteroid belt and

472

00:21:28,720 --> 00:21:26,390

what happened was people could they

473

00:21:32,470 --> 00:21:28,730

picked this thing up when it was still

474

00:21:36,880 --> 00:21:32,480

hot it fell in Australia and they picked

475

00:21:39,820 --> 00:21:36,890

it up and um basically put it in a you

476

00:21:41,620 --> 00:21:39,830

know sterile canister so there's no

477

00:21:43,840 --> 00:21:41,630

question that it was contaminated with

478

00:21:47,440 --> 00:21:43,850

earth light and then they found this

479

00:21:49,090 --> 00:21:47,450

fossil and if they you know it's very

480

00:21:52,270 --> 00:21:49,100

sparse I think they found just a few

481

00:21:59,320 --> 00:21:52,280

fossils in Murchison of bacteria or what

482

00:22:01,540 --> 00:21:59,330

look like bacteria and it's a so so

483

00:22:04,140 --> 00:22:01,550

there is a separate line of evidence for

484

00:22:08,830 --> 00:22:04,150

just life in outer space spores that

485

00:22:10,900 --> 00:22:08,840

float around but when they find when

486

00:22:14,580 --> 00:22:10,910

they find a place like Earth or Mars a

487

00:22:17,680 --> 00:22:14,590

warm wet place it's just like you know

488

00:22:18,880 --> 00:22:17,690

fungus finding that that nice cupcake in

489

00:22:21,760 --> 00:22:18,890

the back of your refrigerator that you

490

00:22:23,830 --> 00:22:21,770

forgot about so basically ladies and

491

00:22:30,990 --> 00:22:23,840

gentlemen I want to make this very clear

492

00:22:36,040 --> 00:22:33,520

opportunistic fungus I'd like to repeat

493

00:22:38,860 --> 00:22:36,050

that five times backwards that's right

494

00:22:41,890 --> 00:22:38,870

we have dr. John Brandenburg his new

495

00:22:45,310 --> 00:22:41,900

book just is called life and death on

496

00:22:47,260 --> 00:22:45,320

Mars the new Mars synthesis and we'll

497

00:22:50,200 --> 00:22:47,270

explore the Martians and the mysteries

498

00:22:53,050 --> 00:22:50,210

and lots more the coasters Chris O'Brien

499

00:22:56,570 --> 00:22:53,060

I'm gene Steinberg you're in the para

500

00:23:02,910 --> 00:22:59,540

[Music]

501
00:23:05,640 --> 00:23:02,920
Ray Perkins a reclusive veteran burned

502
00:23:07,910 --> 00:23:05,650
out from the Gulf War lives tortured by

503
00:23:10,290 --> 00:23:07,920
relentless perplexing nightmares

504
00:23:12,210 --> 00:23:10,300
nightmares of a horrific battle in deep

505
00:23:14,490 --> 00:23:12,220
space and of a mysterious woman

506
00:23:17,610 --> 00:23:14,500
suffering an agony for her devastated

507
00:23:21,650 --> 00:23:17,620
world a woman not yet born calling

508
00:23:24,240 --> 00:23:21,660
across centuries to him then a

509
00:23:27,750 --> 00:23:24,250
coincidence leads him to his destiny his

510
00:23:30,150 --> 00:23:27,760
chance to alter the universe attack of

511
00:23:32,010 --> 00:23:30,160
the rock the former fiction editor for

512
00:23:34,320 --> 00:23:32,020
Star Wars and Indiana Jones Robert

513
00:23:36,390 --> 00:23:34,330

Simpson writes the soul of the novel

514

00:23:38,160 --> 00:23:36,400

attack of the Rockets lies in its heart

515

00:23:40,230 --> 00:23:38,170

and passionate for building a convincing

516

00:23:43,470 --> 00:23:40,240

tale of a love that spans the galaxy a

517

00:23:46,080 --> 00:23:43,480

thrilling storm attack of the rocket is

518

00:23:47,820 --> 00:23:46,090

available now read a simple chapter and

519

00:23:50,640 --> 00:23:47,830

get a special discount off of the cover

520

00:23:56,040 --> 00:23:50,650

price at our website Rocko is calm

521

00:23:58,050 --> 00:23:56,050

that's our Ock o IDs calm attack of the

522

00:24:01,050 --> 00:23:58,060

rock a novel in the grand

523

00:24:02,670 --> 00:24:01,060

science-fiction tradition the food

524

00:24:03,000 --> 00:24:02,680

storage industry leader has done it

525

00:24:05,850 --> 00:24:03,010

again

526
00:24:08,310 --> 00:24:05,860
introducing FDG clubs and Survival bucks

527
00:24:10,290 --> 00:24:08,320
from the freeze-dry guy for over thirty

528
00:24:11,910 --> 00:24:10,300
nine years the freeze-dry guy has served

529
00:24:13,470 --> 00:24:11,920
various government agencies and the

530
00:24:15,420 --> 00:24:13,480
private sector with the finest in

531
00:24:17,100 --> 00:24:15,430
storable foods and emergency rations if

532
00:24:18,810 --> 00:24:17,110
you've wanted to build emergency food

533
00:24:21,240 --> 00:24:18,820
supplies but couldn't afford it now you

534
00:24:22,920 --> 00:24:21,250
can go to freeze-dry guide.com

535
00:24:24,810 --> 00:24:22,930
click on products and look for the

536
00:24:26,550 --> 00:24:24,820
freeze dry guy clubs to pay as you go

537
00:24:28,260 --> 00:24:26,560
now you can build food storage without

538
00:24:30,210 --> 00:24:28,270

going into debt choose from a payment

539

00:24:31,830 --> 00:24:30,220

range of \$95 to four hundred and fifty

540

00:24:33,630 --> 00:24:31,840

dollars per month our clubs work with

541

00:24:35,250 --> 00:24:33,640

everyone's budget plus when you join

542

00:24:37,110 --> 00:24:35,260

freeze dry guide clubs you'll get

543

00:24:39,390 --> 00:24:37,120

additional rewards for example this

544

00:24:41,070 --> 00:24:39,400

month get 10% back in survival bucks on

545

00:24:42,870 --> 00:24:41,080

all purchases in the freeze dry guy

546

00:24:44,880 --> 00:24:42,880

product line plus free shipping within

547

00:24:47,040 --> 00:24:44,890

the lower 48 states on any order amount

548

00:24:49,110 --> 00:24:47,050

hurry go to freeze-dry-guide.com

549

00:24:51,120 --> 00:24:49,120

or call eight six six four zero four

550

00:24:53,190 --> 00:24:51,130

three six six three let's freeze dry

551
00:24:55,680 --> 00:24:53,200
guys calm or call eight six six four

552
00:24:59,050 --> 00:24:55,690
zero four three six six three the freeze

553
00:25:00,950 --> 00:24:59,060
dry guy the best you can buy

554
00:25:02,720 --> 00:25:00,960
we all know that berkey water

555
00:25:04,850 --> 00:25:02,730
purification systems are the most

556
00:25:06,590 --> 00:25:04,860
trusted name in water filtration as an

557
00:25:08,360 --> 00:25:06,600
authorized Berkey dealer for over five

558
00:25:09,320 --> 00:25:08,370
years and serving thousands of satisfied

559
00:25:11,450 --> 00:25:09,330
customers

560
00:25:13,580 --> 00:25:11,460
the Berkey guy offers amazing specials

561
00:25:15,290 --> 00:25:13,590
for berkey water filtration systems the

562
00:25:17,180 --> 00:25:15,300
Berkey light systems include a set of

563
00:25:19,100 --> 00:25:17,190

self-sterilizing INRI cleanable black

564

00:25:21,470 --> 00:25:19,110

purification elements that purify water

565

00:25:23,630 --> 00:25:21,480

by removing chlorine pathogenic bacteria

566

00:25:25,790 --> 00:25:23,640

cysts and parasites to non detectable

567

00:25:28,130 --> 00:25:25,800

levels and remove harmful chemicals such

568

00:25:30,050 --> 00:25:28,140

as herbicides and pesticides order the

569

00:25:32,030 --> 00:25:30,060

Berkey light system today complete with

570

00:25:33,980 --> 00:25:32,040

two black per key elements for only two

571

00:25:35,660 --> 00:25:33,990

hundred and twenty dollars and the burka

572

00:25:37,490 --> 00:25:35,670

guide will include three sport murky

573

00:25:40,130 --> 00:25:37,500

water bottles and ship everything to you

574

00:25:42,050 --> 00:25:40,140

free of charge that's right three-sport

575

00:25:44,330 --> 00:25:42,060

berkey water bottles and free shipping

576

00:25:46,280 --> 00:25:44,340

an eighty seven dollar value yours free

577

00:25:48,650 --> 00:25:46,290

called the Berkey guy at one eight

578

00:25:50,990 --> 00:25:48,660

seventy seven eight eight six three six

579

00:25:53,480 --> 00:25:51,000

five three that's one eight seven seven

580

00:25:55,970 --> 00:25:53,490

eight eight six three six five three

581

00:25:59,930 --> 00:25:55,980

four order online at Gober Keep Calm

582

00:26:01,700 --> 00:25:59,940

let's go Berkey calm today it's the

583

00:26:04,100 --> 00:26:01,710

winter cold and flu supplements Eila

584

00:26:05,690 --> 00:26:04,110

herbal healer calm and take advantage of

585

00:26:07,160 --> 00:26:05,700

myrtle healer Academy's incredible

586

00:26:09,170 --> 00:26:07,170

savings on the best cold and flu

587

00:26:11,120 --> 00:26:09,180

supplements available many of you know

588

00:26:13,220 --> 00:26:11,130

elderberry it's exceptional against

589

00:26:15,830 --> 00:26:13,230

viral infections right now herbal healer

590

00:26:18,890 --> 00:26:15,840

Academy has elderberry power regularly

591

00:26:21,530 --> 00:26:18,900

priced at 60 90 five now incredibly low

592

00:26:24,080 --> 00:26:21,540

at only 10 dollars for 60 vegetarian

593

00:26:26,060 --> 00:26:24,090

caps for children and seniors our herbal

594

00:26:28,520 --> 00:26:26,070

healer Academy flew away elderberry

595

00:26:31,340 --> 00:26:28,530

liquid is only \$13 for a poor ounce

596

00:26:33,890 --> 00:26:31,350

bottle also on super sale are the bleep

597

00:26:36,440 --> 00:26:33,900

capsules oregano oil plus capsules and

598

00:26:38,990 --> 00:26:36,450

our incredible respirate formula a

599

00:26:43,370 --> 00:26:39,000

reconciliation strength capsules or your

600

00:26:44,990 --> 00:26:43,380

lungs normally 3495 now just \$25 hit the

601
00:26:46,520 --> 00:26:45,000
winter specials like an herbal healer

602
00:26:48,770 --> 00:26:46,530
dot-com for these cold and flu

603
00:26:50,840 --> 00:26:48,780
supplement specials and other on sale

604
00:26:53,270 --> 00:26:50,850
products like apple cider vinegar brain

605
00:26:54,980 --> 00:26:53,280
power and neuro recovery new customers

606
00:26:57,230 --> 00:26:54,990
get a free catalog with your first order

607
00:27:01,130 --> 00:26:57,240
logon and hits the winter specials now

608
00:27:03,710 --> 00:27:01,140
an herbal healer calm America's number

609
00:27:04,740 --> 00:27:03,720
one source for independent offering so

610
00:27:10,370 --> 00:27:04,750
for over

611
00:27:13,320 --> 00:27:10,380
decade we are the gcn radio network

612
00:27:16,140 --> 00:27:13,330
there's Jim Mosley editor or a sausage

613
00:27:18,690 --> 00:27:16,150

smear and I'm here to say a good word or

614

00:27:21,150 --> 00:27:18,700

two about the para cast which I believe

615

00:27:32,130 --> 00:27:21,160

is the gold standard the paranormal

616

00:27:34,860 --> 00:27:32,140

radio listen to it if you can we have

617

00:27:37,080 --> 00:27:34,870

dr. John Brandenburg second visit to the

618

00:27:38,850 --> 00:27:37,090

para cast because the last time he was

619

00:27:41,370 --> 00:27:38,860

here he had this book coming out that we

620

00:27:43,230 --> 00:27:41,380

kind of touched on life and death on

621

00:27:45,870 --> 00:27:43,240

Mars the new Mars synthesis Chris

622

00:27:48,840 --> 00:27:45,880

O'Brien's the co-host this week we're

623

00:27:51,720 --> 00:27:48,850

gonna be covering that book and all the

624

00:27:54,150 --> 00:27:51,730

ramifications thereof now when we look

625

00:27:57,810 --> 00:27:54,160

at Mars and we're seeing these microbes

626

00:28:01,260 --> 00:27:57,820

the CI being from Mars and even a

627

00:28:04,350 --> 00:28:01,270

picture of one of the algae growth that

628

00:28:06,840 --> 00:28:04,360

Hoover had found that's in the book so

629

00:28:08,640 --> 00:28:06,850

the book was published with the

630

00:28:12,060 --> 00:28:08,650

knowledge that Hoover was finding these

631

00:28:15,090 --> 00:28:12,070

things so basically you actually

632

00:28:21,150 --> 00:28:15,100

predicted the news cycle I did kinda

633

00:28:25,380 --> 00:28:21,160

kind of surgery okay what inspiration

634

00:28:27,960 --> 00:28:25,390

get out of a rum bottle but I'm just

635

00:28:32,220 --> 00:28:27,970

cover here okay so we look at this thing

636

00:28:33,900 --> 00:28:32,230

and we have these ancient meteorites

637

00:28:35,940 --> 00:28:33,910

that might have helped seed our planet

638

00:28:37,980 --> 00:28:35,950

so maybe in some vague sense we are the

639

00:28:41,640 --> 00:28:37,990

Martians come back that's right it's

640

00:28:44,250 --> 00:28:41,650

like we want to return ourselves why we

641

00:28:46,830 --> 00:28:44,260

have this longing for Mars I'm serious

642

00:28:49,880 --> 00:28:46,840

about that it's it's almost it's almost

643

00:28:53,160 --> 00:28:49,890

as if we're nostalgic for our old little

644

00:28:56,160 --> 00:28:53,170

little puddle of mud on Mars where we

645

00:28:59,070 --> 00:28:56,170

formed our genetic material so basically

646

00:29:01,710 --> 00:28:59,080

now if the Dead sea-bottoms of Barsoom

647

00:29:03,600 --> 00:29:01,720

is the late great and Colitis Burroughs

648

00:29:05,610 --> 00:29:03,610

wrote about you know well over a hundred

649

00:29:07,440 --> 00:29:05,620

years ago John Carter of Mars by the

650

00:29:09,030 --> 00:29:07,450

word they're making a movie of that all

651
00:29:12,390 --> 00:29:09,040
right I have another day of information

652
00:29:14,880 --> 00:29:12,400
okay so we now have this fascination

653
00:29:17,340 --> 00:29:14,890
with Mars and but we I have always

654
00:29:18,180 --> 00:29:17,350
looked for Martian mysteries and tree

655
00:29:19,980 --> 00:29:18,190
Gus and maybe

656
00:29:22,169 --> 00:29:19,990
I'd like to cover some of the things

657
00:29:24,509 --> 00:29:22,179
that we look at so for example at one

658
00:29:27,330 --> 00:29:24,519
time we thought there were canals on

659
00:29:30,119 --> 00:29:27,340
Mars right as recently as maybe the 50s

660
00:29:32,490 --> 00:29:30,129
and 60s we said well we these are canals

661
00:29:36,119 --> 00:29:32,500
and they are remnants of some kind of

662
00:29:37,590 --> 00:29:36,129
ancient artificial construct but what

663
00:29:39,690 --> 00:29:37,600

happened with that that kind of went by

664

00:29:41,909 --> 00:29:39,700

the wayside well they got the first

665

00:29:45,810 --> 00:29:41,919

probes to Mars so they could actually

666

00:29:46,350 --> 00:29:45,820

look at Mars when you look at Earth from

667

00:29:49,049 --> 00:29:46,360

Earth

668

00:29:51,509 --> 00:29:49,059

through the atmosphere at Mars it's like

669

00:29:54,629 --> 00:29:51,519

looking down a hot Highway in the Mojave

670

00:29:57,930 --> 00:29:54,639

you see all these heat waves constantly

671

00:30:02,310 --> 00:29:57,940

blurring the image of Mars and your your

672

00:30:06,029 --> 00:30:02,320

eye is basically built part of our

673

00:30:10,289 --> 00:30:06,039

survival software and the AI brain

674

00:30:13,379 --> 00:30:10,299

system is to connect dots particularly

675

00:30:15,570 --> 00:30:13,389

straight lines because those mean if

676

00:30:18,389 --> 00:30:15,580

you're in the woods if one of our

677

00:30:20,490 --> 00:30:18,399

ancestors ends in the woods and fails to

678

00:30:23,970 --> 00:30:20,500

spot the straight line coming straight

679

00:30:26,249 --> 00:30:23,980

at him then he is dead and he no longer

680

00:30:28,289 --> 00:30:26,259

contributes to the gene pool straight

681

00:30:31,649 --> 00:30:28,299

things are associated with man's worst

682

00:30:33,840 --> 00:30:31,659

enemy which is other men other human

683

00:30:37,230 --> 00:30:33,850

beings carrying Spears and shooting

684

00:30:38,580 --> 00:30:37,240

arrows so those are straight those

685

00:30:42,840 --> 00:30:38,590

things are straight so they'll fly

686

00:30:45,149 --> 00:30:42,850

around the fly right and so when the

687

00:30:48,600 --> 00:30:45,159

human eye looked the human eye was the

688

00:30:50,369 --> 00:30:48,610

best optic system they had in those days

689

00:30:52,610 --> 00:30:50,379

they couldn't and you couldn't take good

690

00:30:54,690 --> 00:30:52,620

part of photographs of Mars because the

691

00:30:57,480 --> 00:30:54,700

photographs just looked blurry because

692

00:30:59,789 --> 00:30:57,490

they would by the time the you got

693

00:31:02,519 --> 00:30:59,799

enough light from Mars to expose the

694

00:31:04,019 --> 00:31:02,529

photographic image the the heat waves in

695

00:31:07,499 --> 00:31:04,029

the Earth's atmosphere had smeared it

696

00:31:09,389 --> 00:31:07,509

out so they would basically spend hours

697

00:31:13,350 --> 00:31:09,399

staring through the telescope looking at

698

00:31:14,999 --> 00:31:13,360

Mars and trying to connect you know make

699

00:31:19,080 --> 00:31:15,009

sense out of what they were seeing and

700

00:31:20,909 --> 00:31:19,090

that was they tended to connect dots on

701
00:31:23,490 --> 00:31:20,919
Mars and that's where the canals

702
00:31:26,009 --> 00:31:23,500
apparently came from now when we got to

703
00:31:28,590 --> 00:31:26,019
Mars we didn't find any canals and that

704
00:31:30,210 --> 00:31:28,600
was a big disappointment and a lot of

705
00:31:31,590 --> 00:31:30,220
people then just said in fact if we

706
00:31:33,060 --> 00:31:31,600
found a bunch of craters in

707
00:31:35,340 --> 00:31:33,070
people were very frightened during the

708
00:31:36,750 --> 00:31:35,350
Cold War at that time and it was like

709
00:31:41,370 --> 00:31:36,760
they just said Oh Mars is dead

710
00:31:43,289 --> 00:31:41,380
he's like the moon forget Mars and it

711
00:31:45,180 --> 00:31:43,299
was only later when they got better

712
00:31:48,240 --> 00:31:45,190
probes but they found out the Mars

713
00:31:51,270 --> 00:31:48,250

recover of dried river channels so well

714

00:31:53,669 --> 00:31:51,280

the canals of Lowell became basically

715

00:31:56,580 --> 00:31:53,679

the river dried river channels of

716

00:32:00,810 --> 00:31:56,590

Barsoom that we see now Mars is covered

717

00:32:04,049 --> 00:32:00,820

with dry river channels they have oceans

718

00:32:07,500 --> 00:32:04,059

of water flowing around on Mars perhaps

719

00:32:09,620 --> 00:32:07,510

half a billion years ago so we see now

720

00:32:13,770 --> 00:32:09,630

that we're talking about ancient life

721

00:32:16,340 --> 00:32:13,780

nothing recent so well it's it's Mars is

722

00:32:19,970 --> 00:32:16,350

only a shell of what it was once was

723

00:32:22,110 --> 00:32:19,980

what turned Mars from a planet that

724

00:32:25,770 --> 00:32:22,120

probably looked from a distance much

725

00:32:28,500 --> 00:32:25,780

like Earth was a Mars is next to the

726

00:32:31,110 --> 00:32:28,510

asteroid belt in so it was just an

727

00:32:35,340 --> 00:32:31,120

accident waiting to happen

728

00:32:37,620 --> 00:32:35,350

it had a big ocean and you know you know

729

00:32:40,350 --> 00:32:37,630

that oceanfront property is always

730

00:32:42,330 --> 00:32:40,360

popular because it stays the

731

00:32:45,299 --> 00:32:42,340

temperatures stay mild because the ocean

732

00:32:48,080 --> 00:32:45,309

is a big heat reservoir it stays warm in

733

00:32:51,090 --> 00:32:48,090

the winter and cooler in the summer and

734

00:32:53,279 --> 00:32:51,100

at the same time oceans can store

735

00:32:55,409 --> 00:32:53,289

especially if you have a big co2

736

00:32:58,230 --> 00:32:55,419

greenhouse like on Venus if you had that

737

00:33:00,870 --> 00:32:58,240

on Mars the ocean stores a whole bunch

738

00:33:02,850 --> 00:33:00,880

of carbon dioxide is soda water so if

739

00:33:04,770 --> 00:33:02,860

there's any like a big impact from an

740

00:33:07,919 --> 00:33:04,780

asteroid or something on Mars and it

741

00:33:10,380 --> 00:33:07,929

blows away part of the atmosphere and

742

00:33:12,870 --> 00:33:10,390

tries to chill the planet then the ocean

743

00:33:14,789 --> 00:33:12,880

keeps the planet warm and bubbles out

744

00:33:17,490 --> 00:33:14,799

more carbon dioxide to replace the

745

00:33:20,580 --> 00:33:17,500

atmosphere that was lost in Mars to kind

746

00:33:24,090 --> 00:33:20,590

of just keep going but if there's too

747

00:33:25,830 --> 00:33:24,100

big of an asteroid and Carl Sagan

748

00:33:26,940 --> 00:33:25,840

Believe It or Not was the first person

749

00:33:29,580 --> 00:33:26,950

to figure this out

750

00:33:31,710 --> 00:33:29,590

and I give him credit in the book he

751

00:33:33,840 --> 00:33:31,720

figured out that if you that if you had

752

00:33:36,810 --> 00:33:33,850

this big co2 greenhouse on Mars so you

753

00:33:38,789 --> 00:33:36,820

get have limp water ocean rivers that

754

00:33:40,740 --> 00:33:38,799

it was an accident waiting to happen

755

00:33:43,590 --> 00:33:40,750

it was like a big boulder on top of a

756

00:33:45,210 --> 00:33:43,600

cliff if something nudged it it would

757

00:33:47,399 --> 00:33:45,220

fall off the cliff

758

00:33:50,279 --> 00:33:47,409

and wouldn't be able to get back up

759

00:33:55,080 --> 00:33:50,289

again because carbon dioxide as you know

760

00:33:58,399 --> 00:33:55,090

forms dry ice and things get cold enough

761

00:34:01,500 --> 00:33:58,409

on Mars to form dry ice at the poles and

762

00:34:03,299 --> 00:34:01,510

if you had a big asteroid that produced

763

00:34:05,850 --> 00:34:03,309

kind of a nuclear winter sort of

764

00:34:08,760 --> 00:34:05,860

situation the temperature could quickly

765

00:34:12,839 --> 00:34:08,770

drop in the Martian poles far below

766

00:34:14,849 --> 00:34:12,849

Antarctica on earth and you the ice

767

00:34:17,129 --> 00:34:14,859

actually starts the carbon dioxide will

768

00:34:18,810 --> 00:34:17,139

freeze out of the atmosphere once the

769

00:34:20,700 --> 00:34:18,820

fruits are sap's freezing out of the

770

00:34:22,409 --> 00:34:20,710

atmosphere it gets colder because the

771

00:34:24,990 --> 00:34:22,419

greenhouse effect goes away because it

772

00:34:27,440 --> 00:34:25,000

depends on the carbon dioxide so it's a

773

00:34:32,099 --> 00:34:27,450

it feeds on itself so you get a

774

00:34:33,960 --> 00:34:32,109

planetary wide climate collapse and as I

775

00:34:36,389 --> 00:34:33,970

said Carl Sagan was the first person to

776

00:34:40,530 --> 00:34:36,399

point out that Mars had the potential

777

00:34:42,599 --> 00:34:40,540

for a climate collapse kind of a dead

778

00:34:46,859 --> 00:34:42,609

world now though maybe we have microbes

779

00:34:51,329 --> 00:34:46,869

there but the Martians didn't disappear

780

00:34:55,710 --> 00:34:51,339

into the caves to keep going we probably

781

00:34:58,440 --> 00:34:55,720

we I am certain that there are colonies

782

00:35:01,170 --> 00:34:58,450

in like cool caves and geothermal hot

783

00:35:04,620 --> 00:35:01,180

springs and stuff where Martian life is

784

00:35:08,010 --> 00:35:04,630

still going just fine but it's only a

785

00:35:12,120 --> 00:35:08,020

shadow of the former biosphere it's it's

786

00:35:14,130 --> 00:35:12,130

a few surviving bugs than held on that's

787

00:35:16,620 --> 00:35:14,140

you know Mars is putting out a lot of

788

00:35:18,599 --> 00:35:16,630

methane as it turns out and that's

789

00:35:24,570 --> 00:35:18,609

probably some of the surviving bugs

790

00:35:28,500 --> 00:35:24,580

feasting off of the old plants they got

791

00:35:31,500 --> 00:35:28,510

buried on Mars and they're making swamp

792

00:35:34,440 --> 00:35:31,510

gas basically so basically here if there

793

00:35:37,140 --> 00:35:34,450

were intelligent Martians and the way we

794

00:35:39,420 --> 00:35:37,150

describe intelligence yes knowing this

795

00:35:41,609 --> 00:35:39,430

happened they would have left the planet

796

00:35:44,220 --> 00:35:41,619

long ago if they could or they just died

797

00:35:48,839 --> 00:35:44,230

out if they could have left they would

798

00:35:51,359 --> 00:35:48,849

have left in fact you can kind of make a

799

00:35:53,400 --> 00:35:51,369

rough estimate of how how advanced life

800

00:35:55,410 --> 00:35:53,410

got on Mars because they apparently

801
00:35:58,589 --> 00:35:55,420
weren't advanced enough to stop the

802
00:35:59,079 --> 00:35:58,599
asteroid and the asteroid impact basin

803
00:36:00,849 --> 00:35:59,089
that

804
00:36:04,599 --> 00:36:00,859
apparently formed and just destroyed

805
00:36:07,450 --> 00:36:04,609
Mars climate system is called Lyo T it's

806
00:36:09,969 --> 00:36:07,460
pronounced Leo but it's French so it's

807
00:36:16,660 --> 00:36:09,979
we pronounce it light but it's actually

808
00:36:17,799 --> 00:36:16,670
Leo pronounced Leo and that that was as

809
00:36:19,809 --> 00:36:17,809
big as the one that wiped out the

810
00:36:22,120 --> 00:36:19,819
dinosaurs only it happened to a planet

811
00:36:26,219 --> 00:36:22,130
only half the size of Earth with past

812
00:36:29,859 --> 00:36:26,229
the sunlight and the if there were

813
00:36:32,469 --> 00:36:29,869

people on Mars like us they didn't have

814

00:36:34,180 --> 00:36:32,479

a space program that's because the

815

00:36:35,979 --> 00:36:34,190

Congress decided to cut the

816

00:36:39,130 --> 00:36:35,989

appropriations that's how was the reason

817

00:36:40,959 --> 00:36:39,140

well plasma physicist dr. John

818

00:36:44,559 --> 00:36:40,969

Brandenburg the book is life and death

819

00:36:47,380 --> 00:36:44,569

on Mars the new Mars synthesis because

820

00:36:56,390 --> 00:36:47,390

does Chris O'Brien I'm gene Steinberg

821

00:37:01,980 --> 00:36:59,660

[Music]

822

00:37:04,290 --> 00:37:01,990

graphic converter is the image

823

00:37:07,230 --> 00:37:04,300

manipulation tool for the rest of us it

824

00:37:09,390 --> 00:37:07,240

does not use any database you get full

825

00:37:11,820 --> 00:37:09,400

control of all your files want to view

826

00:37:14,310 --> 00:37:11,830

the images of a folder drag it into

827

00:37:17,070 --> 00:37:14,320

graphic converter and a powerful browser

828

00:37:19,170 --> 00:37:17,080

opens up to show your image files you

829

00:37:21,450 --> 00:37:19,180

could use it for slideshows you could

830

00:37:23,760 --> 00:37:21,460

use it to import images from digital

831

00:37:25,920 --> 00:37:23,770

cameras or from scanners need to do some

832

00:37:28,290 --> 00:37:25,930

image editing you can do that too in

833

00:37:30,570 --> 00:37:28,300

graphic converter also print catalogs

834

00:37:32,790 --> 00:37:30,580

convert from so many formats

835

00:37:35,250 --> 00:37:32,800

I can't even list them download now to

836

00:37:38,340 --> 00:37:35,260

see if graphic converter is good for you

837

00:37:40,590 --> 00:37:38,350

like one and a half million other users

838

00:37:42,960 --> 00:37:40,600

guess what you could save money when you

839

00:37:45,150 --> 00:37:42,970

buy graphic converter use the coupon

840

00:37:47,460 --> 00:37:45,160

code night I'll use the coupon code

841

00:37:50,700 --> 00:37:47,470

night owl to get a special price for

842

00:37:55,500 --> 00:37:50,710

graphic converter go to Lemke soft calm

843

00:38:01,530 --> 00:37:55,510

that's Ellie MKE soft calm Lemke soft

844

00:38:02,970 --> 00:38:01,540

calm l/e MKE soft calm becoming a modern

845

00:38:04,680 --> 00:38:02,980

smoker is now easier and more

846

00:38:06,720 --> 00:38:04,690

cost-effective thanks to the Sig

847

00:38:08,430 --> 00:38:06,730

traditional smokers the world over

848

00:38:10,200 --> 00:38:08,440

loveless Sig these cigarettes with a

849

00:38:12,120 --> 00:38:10,210

look feel and taste of real cigarettes

850

00:38:13,650 --> 00:38:12,130

but without the nasty smoke ashes or

851

00:38:15,450 --> 00:38:13,660

stains the sig is powered by

852

00:38:18,270 --> 00:38:15,460

revolutionary microelectronic technology

853

00:38:20,040 --> 00:38:18,280

a small rechargeable battery and unique

854

00:38:22,020 --> 00:38:20,050

replaceable cartridge provide all the

855

00:38:24,060 --> 00:38:22,030

satisfaction and benefits of smoking

856

00:38:25,830 --> 00:38:24,070

without the smoke and all the hazards

857

00:38:28,200 --> 00:38:25,840

see the large variety of low cig

858

00:38:32,280 --> 00:38:28,210

cigarette supplies and accessories Atlas

859

00:38:34,200 --> 00:38:32,290

sitcom that's L e CI g comm the sig is

860

00:38:36,530 --> 00:38:34,210

competitively priced comes with a best

861

00:38:39,000 --> 00:38:36,540

customer service a 30 day warranty and

862

00:38:41,910 --> 00:38:39,010

satisfaction guaranteed what a great

863

00:38:43,890 --> 00:38:41,920

gift idea for a 10% discount mention GC

864

00:38:45,600 --> 00:38:43,900

and when you call eight seven zero five

865

00:38:47,340 --> 00:38:45,610

one eight four three oh seven that's

866

00:38:49,440 --> 00:38:47,350

eight seven zero five one eight four

867

00:38:50,340 --> 00:38:49,450

three oh seven ask for fast free

868

00:38:53,130 --> 00:38:50,350

same-day shipping

869

00:38:56,340 --> 00:38:53,140

order online Atlas sigcomm and use promo

870

00:38:59,540 --> 00:38:56,350

code GC and at checkout that's le CI g

871

00:39:01,800 --> 00:38:59,550

comm the sig for today's modern smoker

872

00:39:03,150 --> 00:39:01,810

there's mounting evidence suggesting

873

00:39:04,740 --> 00:39:03,160

that there are people government's

874

00:39:06,570 --> 00:39:04,750

corporations and whole professions

875

00:39:09,120 --> 00:39:06,580

intent on short-circuiting humanity's

876

00:39:11,070 --> 00:39:09,130

well-being GMO food legislation

877

00:39:11,430 --> 00:39:11,080

protecting big agriculture the attempted

878

00:39:12,960 --> 00:39:11,440

he live

879

00:39:14,760 --> 00:39:12,970

nation of vitamins and alternative

880

00:39:16,890 --> 00:39:14,770

medicines it seems their hand has been

881

00:39:19,530 --> 00:39:16,900

tipped they want to dictate your health

882

00:39:21,750 --> 00:39:19,540

wealth and your longevity whatever the

883

00:39:24,540 --> 00:39:21,760

outcome we have a solution wild edible

884

00:39:26,309 --> 00:39:24,550

food why worry about food when all has

885

00:39:27,599 --> 00:39:26,319

been provided we imagine that we were

886

00:39:29,609 --> 00:39:27,609

ejected from the garden and never

887

00:39:31,710 --> 00:39:29,619

invited back but the gardens still here

888

00:39:33,599 --> 00:39:31,720

there is an endless wild abundance which

889

00:39:34,980 --> 00:39:33,609

grows all over our green earth just

890

00:39:37,740 --> 00:39:34,990

waiting for you to wake up and see it

891

00:39:40,859 --> 00:39:37,750

let a Linda Runyon teach you how to see

892

00:39:43,680 --> 00:39:40,869

no gap prepare store and eat wild edible

893

00:39:45,660 --> 00:39:43,690

food save money add nutrition and ignore

894

00:39:48,569 --> 00:39:45,670

the noise when you go shopping in a true

895

00:39:50,790 --> 00:39:48,579

supermarket go to of the field calm and

896

00:39:53,520 --> 00:39:50,800

get started today or call one eight

897

00:39:55,800 --> 00:39:53,530

eight eight fifty one eat free that's of

898

00:39:58,770 --> 00:39:55,810

the field calm or call one eight eight

899

00:40:00,690 --> 00:39:58,780

eight five one eight free and begin to

900

00:40:02,339 --> 00:40:00,700

see a different world normal blood

901
00:40:02,970 --> 00:40:02,349
pressure naturally how would that make

902
00:40:06,329 --> 00:40:02,980
you feel

903
00:40:08,220 --> 00:40:06,339
I'm from New Mexico January of 2000 I

904
00:40:10,620 --> 00:40:08,230
had a heart attack then my real health

905
00:40:12,750 --> 00:40:10,630
began going downhill and I had high

906
00:40:14,700 --> 00:40:12,760
blood pressure high blood sugar and poor

907
00:40:17,130 --> 00:40:14,710
vision and I really wasn't sleeping well

908
00:40:18,420 --> 00:40:17,140
I was a mess pretty much Don reports

909
00:40:20,640 --> 00:40:18,430
dramatic improvements with heart and

910
00:40:22,470 --> 00:40:20,650
body extracts I started taking a heart

911
00:40:24,690 --> 00:40:22,480
and body extract and from within a few

912
00:40:25,500 --> 00:40:24,700
days I started sleeping a lot better my

913
00:40:28,020 --> 00:40:25,510

blood pressure

914

00:40:30,329 --> 00:40:28,030

normalized my blood sugar normalized and

915

00:40:31,829 --> 00:40:30,339

my sleep really did improve experience

916

00:40:33,480 --> 00:40:31,839

these benefits and more when your body

917

00:40:35,700 --> 00:40:33,490

gets what it needs with the assistance

918

00:40:38,370 --> 00:40:35,710

of heart and body extract order at HB

919

00:40:42,450 --> 00:40:38,380

extract calm or call eight six six two

920

00:40:48,839 --> 00:40:42,460

nine five 5305 beds HB extract calm or

921

00:40:51,470 --> 00:40:48,849

call eight six six two nine five 5305 I

922

00:40:54,900 --> 00:40:51,480

saw dramatic improvements from taking

923

00:40:57,390 --> 00:40:54,910

details at HB extract calm or call eight

924

00:41:00,569 --> 00:40:57,400

six six two nine five fifty three zero

925

00:41:02,730 --> 00:41:00,579

five four heart and body extract are you

926
00:41:05,099 --> 00:41:02,740
tired of searching for a great talk

927
00:41:05,890 --> 00:41:05,109
radio helping you more important search

928
00:41:13,540 --> 00:41:05,900
through

929
00:41:24,070 --> 00:41:13,550
we are the GCM radio network you're in

930
00:41:26,470 --> 00:41:24,080
the next another big segment with dr.

931
00:41:28,810 --> 00:41:26,480
John Brandenburg we're talking about the

932
00:41:31,630 --> 00:41:28,820
Martian mysteries and if there were some

933
00:41:33,850 --> 00:41:31,640
kind of intelligence on Mars they didn't

934
00:41:35,890 --> 00:41:33,860
advance enough to get off planet when

935
00:41:38,770 --> 00:41:35,900
the catastrophe the Cataclysm occurred

936
00:41:41,680 --> 00:41:38,780
our space program is actually enhanced

937
00:41:45,070 --> 00:41:41,690
the human chances of surviving for the

938
00:41:47,680 --> 00:41:45,080

next thousand years because we have

939

00:41:52,620 --> 00:41:47,690

enough technology space technology now

940

00:41:55,780 --> 00:41:52,630

in the enough telescope technology and

941

00:41:59,050 --> 00:41:55,790

quite frankly enough nuclear weapons

942

00:42:01,840 --> 00:41:59,060

technology if we need it to destroy or

943

00:42:04,990 --> 00:42:01,850

deflect and ask a large asteroid that

944

00:42:07,030 --> 00:42:05,000

would come into this planet to to

945

00:42:10,090 --> 00:42:07,040

destroy it so like the movie Armageddon

946

00:42:14,050 --> 00:42:10,100

with Bruce Willis absolutely the oil

947

00:42:15,580 --> 00:42:14,060

crew to some kind of asteroid and

948

00:42:18,340 --> 00:42:15,590

probably destroy it

949

00:42:22,420 --> 00:42:18,350

I really like that movie except for the

950

00:42:25,510 --> 00:42:22,430

science you know what can you expect

951
00:42:27,310 --> 00:42:25,520
it's a giant timer movie when is Jerry

952
00:42:29,210 --> 00:42:27,320
Bruckheimer ever specialized in

953
00:42:32,550 --> 00:42:29,220
scientific accuracy

954
00:42:39,940 --> 00:42:32,560
[Laughter]

955
00:42:42,520 --> 00:42:39,950
Cindy Mary Julie Chen she made that she

956
00:42:44,710 --> 00:42:42,530
was a person running Big Brother for a

957
00:42:47,170 --> 00:42:44,720
while they got married apparently

958
00:42:49,120 --> 00:42:47,180
wired to go into a few things here if

959
00:42:51,670 --> 00:42:49,130
we're gonna look at the things we see on

960
00:42:53,410 --> 00:42:51,680
Mars it may have indicated more life in

961
00:42:55,900 --> 00:42:53,420
the past the planet has undergone all

962
00:42:59,610 --> 00:42:55,910
these Cataclysm and everything what

963
00:43:01,660 --> 00:42:59,620

about the face on Mars is that

964

00:43:07,570 --> 00:43:01,670

represents any reality or could

965

00:43:13,390 --> 00:43:07,580

represent any I'm gonna be commenting

966

00:43:16,910 --> 00:43:13,400

further on that later basically we have

967

00:43:19,320 --> 00:43:16,920

a lot of nice pictures of it now

968

00:43:21,300 --> 00:43:19,330

for something that's not supposed to be

969

00:43:23,790 --> 00:43:21,310

important NASA sure takes a lot of

970

00:43:27,360 --> 00:43:23,800

pictures of it well you know they have

971

00:43:29,280 --> 00:43:27,370

to put your tax dollars to work but you

972

00:43:31,650 --> 00:43:29,290

said I'm gonna have more to say let's

973

00:43:33,510 --> 00:43:31,660

say it right now you know this is one of

974

00:43:36,080 --> 00:43:33,520

the things that we kind of well we

975

00:43:39,120 --> 00:43:36,090

public we published our hypothesis sure

976

00:43:41,280 --> 00:43:39,130

we published the hypothesis back it was

977

00:43:43,940 --> 00:43:41,290

myself Vince the Pedro and Greg Mullen

978

00:43:46,770 --> 00:43:43,950

are to the original researchers and we

979

00:43:50,430 --> 00:43:46,780

put together a hypothesis that Mars had

980

00:43:52,050 --> 00:43:50,440

been like Earth in the past and that

981

00:43:55,650 --> 00:43:52,060

like earth it had developed an

982

00:43:57,810 --> 00:43:55,660

indigenous intelligent species and who

983

00:44:00,480 --> 00:43:57,820

built large monuments like the pyramids

984

00:44:04,290 --> 00:44:00,490

and the Sphinx or the big stone heads in

985

00:44:08,850 --> 00:44:04,300

of the Olmecs and that that's what we're

986

00:44:11,760 --> 00:44:08,860

seeing we found not only they had face

987

00:44:13,950 --> 00:44:11,770

and pyramid at Cydonia but other

988

00:44:16,640 --> 00:44:13,960

structures look archeological and then

989

00:44:18,900 --> 00:44:16,650

when there's another area called utopia

990

00:44:22,860 --> 00:44:18,910

which has been given the fancy name

991

00:44:26,220 --> 00:44:22,870

Galactus chaos for a specific area and

992

00:44:28,500 --> 00:44:26,230

we found what looks like another face on

993

00:44:30,300 --> 00:44:28,510

Mars it looks very much like the first

994

00:44:34,350 --> 00:44:30,310

one there's only about 2/3 of the size

995

00:44:36,180 --> 00:44:34,360

in fact there are two faces and we

996

00:44:37,620 --> 00:44:36,190

published all of that in a scientific

997

00:44:40,560 --> 00:44:37,630

journal called a journal of scientific

998

00:44:42,600 --> 00:44:40,570

exploration and we published it before

999

00:44:46,080 --> 00:44:42,610

the Mars Observer was supposed to go up

1000

00:44:49,980 --> 00:44:46,090

and put this matter to rest one way or

1001
00:44:52,710 --> 00:44:49,990
another and I stand by my hypothesis

1002
00:44:55,680 --> 00:44:52,720
that Cydonia is the remnants of an

1003
00:44:57,840 --> 00:44:55,690
indigenous into you know indigenous

1004
00:45:01,950 --> 00:44:57,850
civilization humanoid civilization on

1005
00:45:04,080 --> 00:45:01,960
Mars and I stand by a hypothesis I

1006
00:45:07,110 --> 00:45:04,090
consider the new pictures have verified

1007
00:45:08,970 --> 00:45:07,120
it John oh if you're if what you're

1008
00:45:11,940 --> 00:45:08,980
describing in terms of a timeline is

1009
00:45:16,590 --> 00:45:11,950
correct then these features must have

1010
00:45:18,780 --> 00:45:16,600
been made 500 million years ago and

1011
00:45:21,780 --> 00:45:18,790
they've only been weathered to the

1012
00:45:24,180 --> 00:45:21,790
degree that we see now well Mars went

1013
00:45:26,220 --> 00:45:24,190

into a big deep freeze and lost most of

1014

00:45:28,600 --> 00:45:26,230

its atmosphere most of its app most of

1015

00:45:32,740 --> 00:45:28,610

Mars atmosphere froze out

1016

00:45:37,180 --> 00:45:32,750

on the surface now that meant the rates

1017

00:45:40,300 --> 00:45:37,190

of erosion on Mars dropped to only a

1018

00:45:45,130 --> 00:45:40,310

thousandth of Wow okay that makes sense

1019

00:45:47,710 --> 00:45:45,140

and yeah yeah so almost nowhere um very

1020

00:45:49,690 --> 00:45:47,720

there's no freeze-thaw cycle on earth

1021

00:45:55,240 --> 00:45:49,700

which does a lot of the erosion on earth

1022

00:45:57,160 --> 00:45:55,250

and you know the Sphinx is probably like

1023

00:46:00,550 --> 00:45:57,170

ten thousand years old if you believe

1024

00:46:01,720 --> 00:46:00,560

the work of shock it's about four

1025

00:46:05,560 --> 00:46:01,730

thousand years old if you believe

1026
00:46:07,450 --> 00:46:05,570
mainstream archaeologists but it's been

1027
00:46:09,240 --> 00:46:07,460
fairly well preserved though it's been

1028
00:46:13,020 --> 00:46:09,250
vandalized

1029
00:46:17,080 --> 00:46:13,030
Napoleon shot it snows it snows off

1030
00:46:21,910 --> 00:46:17,090
right and he was jealous because it was

1031
00:46:24,910 --> 00:46:21,920
bigger bigger than his nose so it's

1032
00:46:27,430 --> 00:46:24,920
possible to have and but also by the way

1033
00:46:29,250 --> 00:46:27,440
we predicted in the cydonia hypothesis

1034
00:46:32,050 --> 00:46:29,260
that we would see signs of erosion

1035
00:46:34,240 --> 00:46:32,060
because you know it would look like an

1036
00:46:38,260 --> 00:46:34,250
eroded all archaeology on earth is

1037
00:46:39,970 --> 00:46:38,270
eroded by the weather it's and if it's

1038
00:46:43,060 --> 00:46:39,980

may not a really good rock like the

1039

00:46:46,900 --> 00:46:43,070

Olmec heads in Central America were

1040

00:46:49,900 --> 00:46:46,910

buried in the jungle and they were made

1041

00:46:51,730 --> 00:46:49,910

of really tough assault while cantock so

1042

00:46:54,250 --> 00:46:51,740

they're actually out of date other some

1043

00:46:56,200 --> 00:46:54,260

was there some of those what's that out

1044

00:47:00,070 --> 00:46:56,210

of Dave and carved basalt would know

1045

00:47:04,230 --> 00:47:00,080

with no ah right it's it's a mystery and

1046

00:47:10,150 --> 00:47:04,240

in fact the features of the look African

1047

00:47:14,040 --> 00:47:10,160

look like you know that there's some how

1048

00:47:17,010 --> 00:47:14,050

people from Africa came and settled in

1049

00:47:20,530 --> 00:47:17,020

Central America so and some of the

1050

00:47:22,120 --> 00:47:20,540

there's about twenty olmec head some of

1051
00:47:24,310 --> 00:47:22,130
them look very much like the face on

1052
00:47:30,370 --> 00:47:24,320
Mars I mean in terms of the helmet

1053
00:47:35,170 --> 00:47:30,380
ornaments and everything so we published

1054
00:47:36,880 --> 00:47:35,180
that hypothesis and as people have said

1055
00:47:41,320 --> 00:47:36,890
them's my words and I'm sticking to them

1056
00:47:41,920 --> 00:47:41,330
I I still believe this Ionian hypothesis

1057
00:47:44,799 --> 00:47:41,930
is

1058
00:47:47,230 --> 00:47:44,809
valid and I believe the new data tends

1059
00:47:48,579 --> 00:47:47,240
to support it rather than refute it you

1060
00:47:51,339 --> 00:47:48,589
have to think about the impact of

1061
00:47:53,470 --> 00:47:51,349
science it's one thing to say ET is here

1062
00:47:56,349 --> 00:47:53,480
and close and personal today

1063
00:47:58,780 --> 00:47:56,359

yeah but to say ET may have been there

1064

00:48:01,180 --> 00:47:58,790

they may have been intelligent species

1065

00:48:03,430 --> 00:48:01,190

on Mars ten thousand a hundred thousand

1066

00:48:05,380 --> 00:48:03,440

a million years ago that shouldn't be

1067

00:48:09,370 --> 00:48:05,390

such a big stretch because it doesn't

1068

00:48:12,309 --> 00:48:09,380

overturn no it doesn't arm as usual

1069

00:48:15,190 --> 00:48:12,319

things are kind of complicated because

1070

00:48:17,440 --> 00:48:15,200

let's just hypothetically say that we're

1071

00:48:19,900 --> 00:48:17,450

not alone in the universe and they're

1072

00:48:23,049 --> 00:48:19,910

living ETS out there with spaceships

1073

00:48:25,089 --> 00:48:23,059

it's kind of a shape of saucers that bug

1074

00:48:26,430 --> 00:48:25,099

around here and the government knows

1075

00:48:29,710 --> 00:48:26,440

that let's just say hypothetically

1076

00:48:32,440 --> 00:48:29,720

there's a government cover-up of that

1077

00:48:35,829 --> 00:48:32,450

knowledge and by the other doctor John

1078

00:48:38,559 --> 00:48:35,839

last week dr. John Alexander who said

1079

00:48:41,020 --> 00:48:38,569

precisely the reverse as someone who has

1080

00:48:42,819 --> 00:48:41,030

been involved in government work and in

1081

00:48:48,910 --> 00:48:42,829

the military he said there is no

1082

00:48:55,270 --> 00:48:48,920

conspiracy I can categorically say there

1083

00:48:56,530 --> 00:48:55,280

is no cover-up well that's interesting

1084

00:48:58,180 --> 00:48:56,540

doesn't sound like you agree that's

1085

00:48:59,680 --> 00:48:58,190

interesting that they did to hear that

1086

00:49:04,180 --> 00:48:59,690

he would say that after working in the

1087

00:49:06,220 --> 00:49:04,190

government all these years and I wrote a

1088

00:49:08,890 --> 00:49:06,230

very good novel about this called

1089

00:49:10,390 --> 00:49:08,900

morning star pass to collapse the UFO

1090

00:49:12,099 --> 00:49:10,400

cover of course I didn't write it was

1091

00:49:16,780 --> 00:49:12,109

written by this guy no real well named

1092

00:49:21,039 --> 00:49:16,790

Victor nor guard and in the in the novel

1093

00:49:25,780 --> 00:49:21,049

the whole UFO cover-up is explored and

1094

00:49:32,349 --> 00:49:25,790

then finally collapses and because the

1095

00:49:33,640 --> 00:49:32,359

two women newscasters what force on

1096

00:49:43,030 --> 00:49:33,650

earth would be powerful enough to

1097

00:49:45,910 --> 00:49:43,040

overthrow the UFO cover-up well so

1098

00:49:47,770 --> 00:49:45,920

basically it's not the scientists the

1099

00:49:50,470 --> 00:49:47,780

male scientists with the beautiful

1100

00:49:55,250 --> 00:49:50,480

assistant we don't do that anymore

1101

00:49:58,190 --> 00:49:55,260

oh no no no these are two you know

1102

00:50:01,160 --> 00:49:58,200

there's a new character in in fiction

1103

00:50:07,040 --> 00:50:01,170

and in real life and that's called the

1104

00:50:09,710 --> 00:50:07,050

female hero and I have a male hero but I

1105

00:50:12,860 --> 00:50:09,720

also have female heroes and they're kind

1106

00:50:14,750 --> 00:50:12,870

of harken back to imagine Russian women

1107

00:50:17,240 --> 00:50:14,760

fighting in the pardon read partisans in

1108

00:50:23,060 --> 00:50:17,250

the woods against the Germans you know

1109

00:50:25,190 --> 00:50:23,070

carrying those a big round clip was

1110

00:50:30,170 --> 00:50:25,200

before the ak-47 and was that big round

1111

00:50:31,820 --> 00:50:30,180

clip thing the perish off and knowing if

1112

00:50:34,880 --> 00:50:31,830

they're captured they'll be tortured to

1113

00:50:36,560 --> 00:50:34,890

death and doesn't bother many it doesn't

1114

00:50:39,470 --> 00:50:36,570

bother them at all that's a real

1115

00:50:41,600 --> 00:50:39,480

motivation what good it's a real

1116

00:50:45,380 --> 00:50:41,610

motivation to be pretty bad badass like

1117

00:50:47,690 --> 00:50:45,390

this oh yeah so they yeah there are

1118

00:50:49,610 --> 00:50:47,700

women who have fought in wars just as

1119

00:50:53,390 --> 00:50:49,620

heroically as any men especially modern

1120

00:50:57,590 --> 00:50:53,400

war Amazon's yeah that modern Amazon's

1121

00:50:59,000 --> 00:50:57,600

and yeah the Greeks new women could

1122

00:51:01,040 --> 00:50:59,010

fight especially if you give them bows

1123

00:51:04,160 --> 00:51:01,050

and the Amazons were specialists

1124

00:51:09,500 --> 00:51:04,170

imposing their coach death of the

1125

00:51:11,330 --> 00:51:09,510

distance scene of the jungle Xena queen

1126

00:51:13,250 --> 00:51:11,340

of the jungle absolutely one of my

1127

00:51:18,860 --> 00:51:13,260

favorite shows for a while it was

1128

00:51:26,480 --> 00:51:18,870

Latonya Alexander star was Lucy Lawless

1129

00:51:29,450 --> 00:51:26,490

oh yeah okay Lucy Lawless yes I'm a big

1130

00:51:31,700 --> 00:51:29,460

fan of Lucy Lawless and we also saw her

1131

00:51:34,190 --> 00:51:31,710

on Battlestar Galactica she makes guest

1132

00:51:38,990 --> 00:51:34,200

appearances she does Broadway shows very

1133

00:51:41,450 --> 00:51:39,000

talented we're talking to the very the

1134

00:51:46,630 --> 00:51:41,460

co-host is Chris O'Brien I'm gene

1135

00:51:52,400 --> 00:51:49,599

[Music]

1136

00:51:54,650 --> 00:51:52,410

hi Ted Anderson announcing a great way

1137

00:51:56,870 --> 00:51:54,660

to listen to radio on the telephone by

1138

00:51:58,910 --> 00:51:56,880

calling seven six oh five six nine

1139

00:52:01,489 --> 00:51:58,920

seventy seven hundred you'll be hearing

1140

00:52:03,950 --> 00:52:01,499

juicy and live comm programs in seconds

1141

00:52:06,319 --> 00:52:03,960

come to GC and live.com find your

1142

00:52:09,259 --> 00:52:06,329

favorite host dedicated phone number and

1143

00:52:11,749 --> 00:52:09,269

hear them 24/7 you heard me right every

1144

00:52:14,359 --> 00:52:11,759

show has a dedicated phone number stop

1145

00:52:16,670 --> 00:52:14,369

by GC and live.com and bookmark their

1146

00:52:19,120 --> 00:52:16,680

number today and again that's seven six

1147

00:52:21,739 --> 00:52:19,130

oh five six nine seventy seven hundred

1148

00:52:23,839 --> 00:52:21,749

we the people grow cotton wheat fabric

1149

00:52:25,460 --> 00:52:23,849

engraving can bed strips and fibers to

1150

00:52:27,200 --> 00:52:25,470

protect from counterfeit than carding to

1151

00:52:27,650 --> 00:52:27,210

a private bank having a led back at

1152

00:52:29,450 --> 00:52:27,660

interest

1153

00:52:31,099 --> 00:52:29,460

forcing taxes to surfaced at this

1154

00:52:32,749 --> 00:52:31,109

capitalism what was Jefferson correct

1155

00:52:34,400 --> 00:52:32,759

when stating a central bank issuing the

1156

00:52:35,509 --> 00:52:34,410

public currency is a greater menace to

1157

00:52:37,279 --> 00:52:35,519

the liberties of the people than a

1158

00:52:38,420 --> 00:52:37,289

standing army Ted Anderson I'm placing a

1159

00:52:40,460 --> 00:52:38,430

free silver dollar in a book that

1160

00:52:43,700 --> 00:52:40,470

explains our monetary system call for

1161

00:52:46,789 --> 00:52:43,710

your copy 800 686 to 237 it's time to

1162

00:52:55,640 --> 00:52:46,799

understand the system call 866 to 237

1163

00:52:57,589 --> 00:52:55,650

that's 800 686 to 237 welcome back to

1164

00:53:00,890 --> 00:52:57,599

the pair cast the gold standard of

1165

00:53:06,550 --> 00:53:00,900

paranormal radio and now here's gene

1166

00:53:12,620 --> 00:53:09,440

return now the second hour of the show

1167

00:53:15,860 --> 00:53:12,630

with dr. John Brandenburg the co-host is

1168

00:53:17,800 --> 00:53:15,870

Chris O'Brien I'm gene Steinberg you're

1169

00:53:22,070 --> 00:53:17,810

in the para cast we're talking about

1170

00:53:22,760 --> 00:53:22,080

John's book about Mars I mean what else

1171

00:53:26,540 --> 00:53:22,770

could there be

1172

00:53:29,810 --> 00:53:26,550

it's all about my death on Mars the new

1173

00:53:31,220 --> 00:53:29,820

Mars synthesis published this month from

1174

00:53:34,850 --> 00:53:31,230

our friends at Adventures unlimited

1175

00:53:37,280 --> 00:53:34,860

press as a matter of fact and lots of

1176

00:53:39,170 --> 00:53:37,290

stuff to cover in this book and lots of

1177

00:53:41,780 --> 00:53:39,180

well mysteries of Mars they were trying

1178

00:53:43,910 --> 00:53:41,790

to explore what pray tell I'm gonna just

1179

00:53:47,180 --> 00:53:43,920

drop this in the middle of this what is

1180

00:53:47,860 --> 00:53:47,190

like the Crystal Palace of Mars what's

1181

00:53:53,060 --> 00:53:47,870

that all about

1182

00:53:56,690 --> 00:53:53,070

the Crystal Palace was a greenhouse like

1183

00:54:00,080 --> 00:53:56,700

structure built by during the Victorian

1184

00:54:01,640 --> 00:54:00,090

era for the first World's Fair and it

1185

00:54:03,800 --> 00:54:01,650

was built by a guy who designed

1186

00:54:06,980 --> 00:54:03,810

greenhouses and it basically was the

1187

00:54:09,860 --> 00:54:06,990

classic it sort of made everybody build

1188

00:54:14,510 --> 00:54:09,870

classic greenhouses iron framework or

1189

00:54:17,150 --> 00:54:14,520

iron steel framework with glass and it

1190

00:54:18,920 --> 00:54:17,160

was a beautiful is a stunning piece of

1191

00:54:20,420 --> 00:54:18,930

new are canola and ever built anything

1192

00:54:22,820 --> 00:54:20,430

like this for one thing was just

1193

00:54:25,640 --> 00:54:22,830

enormous and it was the site of the

1194

00:54:28,100 --> 00:54:25,650

first World's Fair and it was so popular

1195

00:54:32,990 --> 00:54:28,110

that when the world this Great

1196

00:54:36,050 --> 00:54:33,000

Exhibition oculina Victoria to celebrate

1197

00:54:38,030 --> 00:54:36,060

her reign was over they just simply

1198

00:54:41,390 --> 00:54:38,040

dismantled it and moved it someplace

1199

00:54:43,280 --> 00:54:41,400

else so they could keep it and it still

1200

00:54:44,470 --> 00:54:43,290

stayed around for another 70 years so

1201

00:54:47,450 --> 00:54:44,480

it's destroyed by the fire but they

1202

00:54:50,120 --> 00:54:47,460

compete the Crystal Palace was the

1203

00:54:53,570 --> 00:54:50,130

original giant greenhouse when I say

1204

00:54:55,460 --> 00:54:53,580

there was a I say in the book there

1205

00:54:58,070 --> 00:54:55,470

wasn't just a greenhouse on Mars like

1206

00:55:01,760 --> 00:54:58,080

there is on Venus Venus has had a

1207

00:55:05,240 --> 00:55:01,770

greenhouse co2 greenhouse since it's day

1208

00:55:07,340 --> 00:55:05,250

one there wasn't just a greenhouse on

1209

00:55:12,580 --> 00:55:07,350

Mars there was a Crystal Palace this

1210

00:55:16,400 --> 00:55:12,590

thing you know was a clear atmosphere

1211

00:55:17,630 --> 00:55:16,410

probably not only had carbon dioxide in

1212

00:55:21,380 --> 00:55:17,640

it but also methane

1213

00:55:23,329 --> 00:55:21,390

to help stabilize it and methane is a

1214

00:55:26,120 --> 00:55:23,339

much more powerful greenhouse gas than

1215

00:55:28,910 --> 00:55:26,130

co2 is by the way that's why they burn

1216

00:55:30,349 --> 00:55:28,920

it off at trash dumps because the

1217

00:55:32,120 --> 00:55:30,359

methane if methane gets up in the air

1218

00:55:35,599 --> 00:55:32,130

it'll actually contribute to greenhouse

1219

00:55:40,220 --> 00:55:35,609

warming much more than the co2 so but

1220

00:55:42,230 --> 00:55:40,230

you can imagine a planet like Earth only

1221

00:55:46,660 --> 00:55:42,240

smaller kind of a petite version of

1222

00:55:50,059 --> 00:55:46,670

earth full of life with a very diverse

1223

00:55:53,150 --> 00:55:50,069

evolved biosphere a crystal clear

1224

00:55:55,849 --> 00:55:53,160

atmosphere most of the time composed

1225

00:55:58,279 --> 00:55:55,859

mostly of carbon dioxide with nitrogen

1226

00:56:01,880 --> 00:55:58,289

than a big component of oxygen so it had

1227

00:56:06,140 --> 00:56:01,890

an ozone layer it had oxygen breathing

1228

00:56:08,750 --> 00:56:06,150

animals and advanced life it had an

1229

00:56:11,599 --> 00:56:08,760

ocean full of kind of carbonated water

1230

00:56:13,670 --> 00:56:11,609

but full of fish and all sorts of things

1231

00:56:16,069 --> 00:56:13,680

it would have been just beautiful it

1232

00:56:18,950 --> 00:56:16,079

would have been spectacular I would

1233

00:56:21,259 --> 00:56:18,960

dream of going swimming and you know

1234

00:56:22,970 --> 00:56:21,269

walking along the beach on Mars and then

1235

00:56:25,249 --> 00:56:22,980

going for a dip in the ocean and

1236

00:56:28,039 --> 00:56:25,259

swimming with the fish in the ocean we

1237

00:56:31,450 --> 00:56:28,049

have the salt water on Mars we can use

1238

00:56:34,730 --> 00:56:31,460

epson salts and everything absolutely

1239

00:56:38,599 --> 00:56:34,740

imagine a planet like Earth but a little

1240

00:56:40,059 --> 00:56:38,609

weird for one thing everybody's blood is

1241

00:56:42,920 --> 00:56:40,069

carbonated water

1242

00:56:44,990 --> 00:56:42,930

I got slightly acid blood like the

1243

00:56:49,430 --> 00:56:45,000

aliens and the aliens only this was just

1244

00:56:52,549 --> 00:56:49,440

carbonated while carbonic acid and you

1245

00:56:56,630 --> 00:56:52,559

know that's more salt so much that's

1246

00:56:59,210 --> 00:56:56,640

right and Mars was like earth only

1247

00:57:01,640 --> 00:56:59,220

probably more wonderful in its own way

1248

00:57:03,559 --> 00:57:01,650

and that's possible Martian has made up

1249

00:57:05,960 --> 00:57:03,569

a diet coke is that what you're telling

1250

00:57:09,950 --> 00:57:05,970

me absolutely the ocean of Mars made of

1251
00:57:15,430 --> 00:57:09,960
Diet Coke why champagne diet dr. pepper

1252
00:57:19,490 --> 00:57:15,440
okay diet dr. pepper Mars was a

1253
00:57:20,960 --> 00:57:19,500
remarkable piece of work it was a it

1254
00:57:23,240 --> 00:57:20,970
wasn't just a greenhouse it was a

1255
00:57:26,720 --> 00:57:23,250
Crystal Palace and it had everything

1256
00:57:28,849 --> 00:57:26,730
there could imagine everything like the

1257
00:57:30,660 --> 00:57:28,859
John Carter of Mars novel of Dejah

1258
00:57:33,840 --> 00:57:30,670
Thoris and

1259
00:57:34,860 --> 00:57:33,850
and the Princess of Mars etc etc okay of

1260
00:57:36,870 --> 00:57:34,870
course we didn't have all those

1261
00:57:41,370 --> 00:57:36,880
creatures with eight or twelve arms and

1262
00:57:43,590 --> 00:57:41,380
all that stuff well you know it was a

1263
00:57:46,310 --> 00:57:43,600

different chance for nature to develop a

1264

00:57:49,920 --> 00:57:46,320

different way of doing things who knows

1265

00:57:51,780 --> 00:57:49,930

this is okay John's very silly question

1266

00:57:54,560 --> 00:57:51,790

yeah do you think that when he was

1267

00:57:58,200 --> 00:57:54,570

putting this book together this is what

1268

00:58:00,870 --> 00:57:58,210

1910 a princess of Mars before he wrote

1269

00:58:03,480 --> 00:58:00,880

Tarzan of the Apes Edgar I see arrows

1270

00:58:06,240 --> 00:58:03,490

consulted all this folklore about what

1271

00:58:09,840 --> 00:58:06,250

Mars might be to confabulate this story

1272

00:58:14,070 --> 00:58:09,850

oh well he read the work of law okay

1273

00:58:16,710 --> 00:58:14,080

Lowell had basically suggest Lowell

1274

00:58:19,290 --> 00:58:16,720

didn't understand about greenhouse gases

1275

00:58:24,290 --> 00:58:19,300

very well but even though that idea was

1276

00:58:26,670 --> 00:58:24,300

around also Lowell basically just

1277

00:58:28,950 --> 00:58:26,680

thought that he thought the atmosphere

1278

00:58:31,290 --> 00:58:28,960

would trap heat and he just thought that

1279

00:58:34,080 --> 00:58:31,300

Mars there was no reason that Mars

1280

00:58:37,350 --> 00:58:34,090

couldn't have liquid water and and and

1281

00:58:39,210 --> 00:58:37,360

he was seeing canals so he imagined that

1282

00:58:42,350 --> 00:58:39,220

Mars was in some kind of trouble

1283

00:58:45,660 --> 00:58:42,360

in dejah thoris if you read dejah thoris

1284

00:58:48,900 --> 00:58:45,670

edgar rice burroughs depicts a planet

1285

00:58:50,820 --> 00:58:48,910

that whose environment is kind of on the

1286

00:58:53,820 --> 00:58:50,830

edge of disaster and they're struggling

1287

00:58:55,650 --> 00:58:53,830

to preserve the environment on Mars to

1288

00:58:58,650 --> 00:58:55,660

preserve the oxygen atmosphere and

1289

00:59:01,320 --> 00:58:58,660

everything the deadly the bottoms of

1290

00:59:03,270 --> 00:59:01,330

Mars is what he always talked about the

1291

00:59:05,400 --> 00:59:03,280

Dead Sea but yeah that Mars was

1292

00:59:10,500 --> 00:59:05,410

degrading that his oceans had dried up

1293

00:59:12,510 --> 00:59:10,510

and the the people the culture that

1294

00:59:14,460 --> 00:59:12,520

represented by dejah thoris she's a

1295

00:59:17,700 --> 00:59:14,470

princess in this woman culture and

1296

00:59:21,510 --> 00:59:17,710

they're struggling mightily to preserve

1297

00:59:23,820 --> 00:59:21,520

the atmosphere of Mars with big nuclear

1298

00:59:26,430 --> 00:59:23,830

power plants or they didn't have nuclear

1299

00:59:27,960 --> 00:59:26,440

power they he came up with some kind of

1300

00:59:30,180 --> 00:59:27,970

cosmic energy or something that was

1301

00:59:31,830 --> 00:59:30,190

powering these plants I have a crazy

1302

00:59:35,070 --> 00:59:31,840

question I have a crazy question arose

1303

00:59:38,670 --> 00:59:35,080

here okay the biblical references to

1304

00:59:40,980 --> 00:59:38,680

global catastrophes is something that

1305

00:59:42,750 --> 00:59:40,990

could have happened on earth or can we

1306

00:59:44,160 --> 00:59:42,760

put all that stuff as

1307

00:59:48,260 --> 00:59:44,170

thing that we remember from the

1308

00:59:51,480 --> 00:59:48,270

civilization that existed on Mars oh

1309

00:59:54,960 --> 00:59:51,490

it's very interesting you know we have a

1310

00:59:58,380 --> 00:59:54,970

apparently a very strong very vivid

1311

01:00:01,800 --> 00:59:58,390

memory you know kind of a racial memory

1312

01:00:04,860 --> 01:00:01,810

and you find this legend among just

1313

01:00:08,880 --> 01:00:04,870

about every culture on earth has a flood

1314

01:00:11,880 --> 01:00:08,890

legend and the basically an extinction

1315

01:00:14,430 --> 01:00:11,890

level event happening on the earth

1316

01:00:17,040 --> 01:00:14,440

they're almost the entire human race in

1317

01:00:21,390 --> 01:00:17,050

the advanced life forms on earth were

1318

01:00:23,220 --> 01:00:21,400

wiped out and only someone who was

1319

01:00:28,980 --> 01:00:23,230

basically warned to prepare for this

1320

01:00:31,950 --> 01:00:28,990

with an ark survives with his family and

1321

01:00:35,580 --> 01:00:31,960

that I mean the Native Americans have it

1322

01:00:36,930 --> 01:00:35,590

the Polynesians have it of course all

1323

01:00:39,630 --> 01:00:36,940

the cultures in the Middle East had a

1324

01:00:43,350 --> 01:00:39,640

flood story and what the what the flood

1325

01:00:48,090 --> 01:00:43,360

is is you can kind of just say this is a

1326

01:00:51,150 --> 01:00:48,100

a catastrophe a global climatic

1327

01:00:53,820 --> 01:00:51,160

catastrophe on earth it is kind of

1328

01:00:57,180 --> 01:00:53,830

described as a big flood of water that

1329

01:01:00,090 --> 01:00:57,190

kills just about everything you know it

1330

01:01:05,550 --> 01:01:00,100

is it almost makes all advanced life on

1331

01:01:08,280 --> 01:01:05,560

Earth extinct and yes so there's there's

1332

01:01:11,970 --> 01:01:08,290

been so the human race has seen

1333

01:01:16,040 --> 01:01:11,980

something like this maybe it's carried

1334

01:01:18,660 --> 01:01:16,050

genetically from its past Mars heritage

1335

01:01:20,430 --> 01:01:18,670

maybe it's something that happened on

1336

01:01:24,240 --> 01:01:20,440

earth that was a big asteroid or a big

1337

01:01:26,220 --> 01:01:24,250

comet imagine a swarm of big comets

1338

01:01:29,010 --> 01:01:26,230

striking the earth that are mostly water

1339

01:01:32,040 --> 01:01:29,020

so suddenly you're having the equivalent

1340

01:01:34,500 --> 01:01:32,050

of a water an ocean break up and explode

1341

01:01:39,270 --> 01:01:34,510

in midair and for me

1342

01:01:42,810 --> 01:01:39,280

a flood experience but I'm only

1343

01:01:45,600 --> 01:01:42,820

speculating I don't know what natural

1344

01:01:46,920 --> 01:01:45,610

thing would cause a giant flood you know

1345

01:01:49,080 --> 01:01:46,930

what we'll get into more of this in a

1346

01:01:50,760 --> 01:01:49,090

moment let me remind you all over again

1347

01:01:52,829 --> 01:01:50,770

that there are several ways to get in

1348

01:01:55,200 --> 01:01:52,839

touch with us if you have a comment

1349

01:01:57,479 --> 01:01:55,210

to a question about the power cast send

1350

01:02:00,900 --> 01:01:57,489

it to new is apt of our cast calm

1351

01:02:03,029 --> 01:02:00,910

that's news at the power cast calm we

1352

01:02:05,039 --> 01:02:03,039

read each and every letter we get and we

1353

01:02:06,839 --> 01:02:05,049

respond to most of them sometimes all of

1354

01:02:09,150 --> 01:02:06,849

them so if you want to get in touch with

1355

01:02:13,259 --> 01:02:09,160

us we want to hear from you we also have

1356

01:02:16,559 --> 01:02:13,269

our ever-popular forums over 107

1357

01:02:20,430 --> 01:02:16,569

thousand messages already go to forum

1358

01:02:22,769 --> 01:02:20,440

podcast comm forum dot para cast comm

1359

01:02:24,959 --> 01:02:22,779

here's what you do you sign up your

1360

01:02:27,630 --> 01:02:24,969

register you give yourself a username

1361

01:02:29,670 --> 01:02:27,640

and then in a few moments you're ready

1362

01:02:32,009 --> 01:02:29,680

to participate you can sit back lurk

1363

01:02:34,950 --> 01:02:32,019

read the messages or post some of your

1364

01:02:37,259 --> 01:02:34,960

own dr. John Brandenburg is our guest

1365

01:02:46,970 --> 01:02:37,269

the co-host is Chris O'Brien I'm gene

1366

01:02:51,930 --> 01:02:49,100

[Music]

1367

01:02:53,940 --> 01:02:51,940

hi this is tomorrow from Nietzsche or a

1368

01:02:55,890 --> 01:02:53,950

domain name and web hosting company and

1369

01:02:57,840 --> 01:02:55,900

we really care about our customers with

1370

01:03:00,330 --> 01:02:57,850

domain name purchases Namecheap offers

1371

01:03:02,130 --> 01:03:00,340

free SSL and free Whois guard for a year

1372

01:03:04,380 --> 01:03:02,140

to protect your identity from spammers

1373

01:03:06,150 --> 01:03:04,390

most importantly we care about you if

1374

01:03:09,480 --> 01:03:06,160

you'd like to learn more please visit us

1375

01:03:11,460 --> 01:03:09,490

at Radio namecheap.com Radio named chief

1376

01:03:13,290 --> 01:03:11,470

comm for web hosting and domain name

1377

01:03:16,680 --> 01:03:13,300

specials you can also follow us on

1378

01:03:18,780 --> 01:03:16,690

twitter at twitter.com/zeromd bars on

1379

01:03:20,490 --> 01:03:18,790

facebook at facebook.com slash named

1380

01:03:23,040 --> 01:03:20,500

chief see you online fate magazine

1381

01:03:24,780 --> 01:03:23,050

provides true reports of the strange and

1382

01:03:26,010 --> 01:03:24,790

unknown keep up with the latest on

1383

01:03:29,070 --> 01:03:26,020

angels and miracles

1384

01:03:30,300 --> 01:03:29,080

psychic phenomena ghosts UFOs life after

1385

01:03:32,400 --> 01:03:30,310

death and much much more

1386

01:03:34,859 --> 01:03:32,410

to receive your free issue of faith

1387

01:03:38,130 --> 01:03:34,869

magazine call now at one eight hundred

1388

01:03:42,810 --> 01:03:38,140

seven two eight two seven three zero or

1389

01:03:45,600 --> 01:03:42,820

visit their website at wwlp.com that's

1390

01:03:47,820 --> 01:03:45,610

one eight hundred seven two eight twenty

1391

01:03:52,320 --> 01:03:47,830

seven thirty what are you waiting for

1392

01:03:54,210 --> 01:03:52,330

your fate awaits are you wondering about

1393

01:03:56,130 --> 01:03:54,220

your retirement portfolio are you

1394

01:03:58,290 --> 01:03:56,140

confident that the financial advisor is

1395

01:04:00,450 --> 01:03:58,300

experienced enough to combat climbing

1396

01:04:02,220 --> 01:04:00,460

interest rates taxes and inflation stop

1397

01:04:04,170 --> 01:04:02,230

guessing and go to the expert Robert

1398

01:04:05,880 --> 01:04:04,180

Chapman of the international forecaster

1399

01:04:08,160 --> 01:04:05,890

when you subscribe to the international

1400

01:04:09,900 --> 01:04:08,170

forecaster you get Robert Chapman's 45

1401

01:04:11,880 --> 01:04:09,910

years of experience and concise

1402

01:04:13,680 --> 01:04:11,890

investment recommendations who needs

1403

01:04:15,210 --> 01:04:13,690

sugar-coated excuses when you can get

1404

01:04:16,859 --> 01:04:15,220

the cold hard facts and proven

1405

01:04:18,960 --> 01:04:16,869

investment leads you can't get anywhere

1406

01:04:20,160 --> 01:04:18,970

else for a free introductory copy to

1407

01:04:22,230 --> 01:04:20,170

Robert Chapman's international

1408

01:04:24,750 --> 01:04:22,240

forecaster subscribe now at the

1409

01:04:27,090 --> 01:04:24,760

international forecaster dot-com or call

1410

01:04:29,099 --> 01:04:27,100

eight seven seven four seven nine eight

1411

01:04:31,080 --> 01:04:29,109

one seven eight experience the

1412

01:04:32,970 --> 01:04:31,090

difference when you subscribe you can

1413

01:04:34,740 --> 01:04:32,980

email Robert Chapman directly to obtain

1414

01:04:36,750 --> 01:04:34,750

investment advice tailored just for you

1415

01:04:38,640 --> 01:04:36,760

don't wait another minute subscribe

1416

01:04:41,160 --> 01:04:38,650

today at the international forecaster

1417

01:04:43,140 --> 01:04:41,170

calm or call eight seven seven four

1418

01:04:45,359 --> 01:04:43,150

seven nine eight one seven eight that's

1419

01:04:46,440 --> 01:04:45,369

eight seven seven four seven nine eight

1420

01:04:50,870 --> 01:04:46,450

one seven eight

1421

01:04:55,590 --> 01:04:52,980

Alexes told you that the Mideast

1422

01:04:57,420 --> 01:04:55,600

uprisings over food prices and shortages

1423

01:04:59,640 --> 01:04:57,430

caused by fuel costs are spreading

1424

01:05:01,560 --> 01:04:59,650

worldwide we're seeing the impact right

1425

01:05:03,690 --> 01:05:01,570

here in the United States ethanol that

1426

01:05:05,910 --> 01:05:03,700

was supposed to reduce petroleum use and

1427

01:05:08,370 --> 01:05:05,920

fuel prices hit a 30-month high in

1428

01:05:10,980 --> 01:05:08,380

February and pump prices are expected to

1429

01:05:13,109 --> 01:05:10,990

reach \$5 a gallon because of shipping

1430

01:05:15,090 --> 01:05:13,119

costs food is being priced out of the

1431

01:05:17,730 --> 01:05:15,100

reach of millions of Americans with an

1432

01:05:19,830 --> 01:05:17,740

expected 35% jump in the next 60 days

1433

01:05:21,990 --> 01:05:19,840

move quickly while you could still

1434

01:05:23,820 --> 01:05:22,000

afford it Annie foods direct will pay

1435

01:05:26,100 --> 01:05:23,830

your shipping costs for you for the best

1436

01:05:28,080 --> 01:05:26,110

tasting long term storable food you pay

1437

01:05:30,540 --> 01:05:28,090

nothing for shipping and can put every

1438

01:05:32,670 --> 01:05:30,550

dollar into food at today's prices key

1439

01:05:34,470 --> 01:05:32,680

foods direct foods so delicious you can

1440

01:05:36,270 --> 01:05:34,480

serve it tonight or save it for the

1441

01:05:40,050 --> 01:05:36,280

future take advantage of free shipping

1442

01:05:44,190 --> 01:05:40,060

by calling 804 zero nine five six 33 on

1443

01:05:46,800 --> 01:05:44,200

the web eat foods direct comm / alex 804

1444

01:05:51,240 --> 01:05:46,810

zero nine five six 33 or eat foods

1445

01:05:53,460 --> 01:05:51,250

direct.com / Alex never buy home canning

1446

01:05:55,080 --> 01:05:53,470

jar lids again no kidding

1447

01:05:56,760 --> 01:05:55,090

when you buy Tattler reusable canning

1448

01:05:58,950 --> 01:05:56,770

lids once you'll never buy canning lids

1449

01:06:01,109 --> 01:05:58,960

ever again safely store emergency

1450

01:06:02,670 --> 01:06:01,119

preparedness foods for years traditional

1451

01:06:05,099 --> 01:06:02,680

metal its are single-use throwaways

1452

01:06:06,750 --> 01:06:05,109

containing bpa but Tattler reusable

1453

01:06:08,460 --> 01:06:06,760

canning lids are guaranteed to last a

1454

01:06:10,740 --> 01:06:08,470

lifetime when use as designed for home

1455

01:06:13,080 --> 01:06:10,750

canning tither lids are made with a USDA

1456

01:06:15,150 --> 01:06:13,090

and FDA approved food grade plastic safe

1457

01:06:17,310 --> 01:06:15,160

for direct food contact and contain no

1458

01:06:19,290 --> 01:06:17,320

BP a tad their lids are dishwasher safe

1459

01:06:21,090 --> 01:06:19,300

usable with standard pressure or water

1460

01:06:23,040 --> 01:06:21,100

bath canning eliminate food spoilage

1461

01:06:25,140 --> 01:06:23,050

from acid corrosion 5th standard mason

1462

01:06:27,599 --> 01:06:25,150

jars are indefinitely reusable and are

1463

01:06:29,970 --> 01:06:27,609

proudly made in the USA place orders at

1464

01:06:32,040 --> 01:06:29,980

reusable canning let's calm or call one

1465

01:06:34,440 --> 01:06:32,050

eight seven seven seven four seven two

1466

01:06:37,620 --> 01:06:34,450

seven nine three eight seven seven seven

1467

01:06:39,990 --> 01:06:37,630

four seven two seven nine three call 877

1468

01:06:42,570 --> 01:06:40,000

seven four seven two seven nine three or

1469

01:06:44,849 --> 01:06:42,580

go to reusable canning let's calm that's

1470

01:06:47,240 --> 01:06:44,859

reusable canning lids com4 tedlar

1471

01:06:52,800 --> 01:06:47,250

reusable canning lids the original since

1472

01:06:56,110 --> 01:06:52,810

1976 the gzn Radio Network providing the

1473

01:07:07,000 --> 01:06:56,120

world with hard-hitting talk radio G

1474

01:07:10,260 --> 01:07:07,010

and Great Auk radio starts here this is

1475

01:07:18,400 --> 01:07:10,270

actually you're listening to the podcast

1476

01:07:20,560 --> 01:07:18,410

the gold standard of countable radio we

1477

01:07:22,750 --> 01:07:20,570

have Chris O'Brien our co-host who is

1478

01:07:27,640 --> 01:07:22,760

trying to sound like he is a Martian

1479

01:07:30,820 --> 01:07:27,650

okay chris is a Martian you know we know

1480

01:07:33,220 --> 01:07:30,830

that the resistance is futile or as they

1481

01:07:33,850 --> 01:07:33,230

say we have to kind of emphasize that in

1482

01:07:39,070 --> 01:07:33,860

more detail

1483

01:07:41,140 --> 01:07:39,080

resistance is futile futile that's a

1484

01:07:43,740 --> 01:07:41,150

very Martian statement okay I mean these

1485

01:07:47,800 --> 01:07:43,750

guys were the planet of war right and

1486

01:07:51,910 --> 01:07:47,810

what's right pause oh oh yeah all the

1487

01:07:55,930 --> 01:07:51,920

war in the world boy that really scared

1488

01:07:59,290 --> 01:07:55,940

people because yeah HG Wells figured out

1489

01:08:02,050 --> 01:07:59,300

that people on if if there was if there

1490

01:08:03,820 --> 01:08:02,060

were canals on Mars and a civilization

1491

01:08:05,890 --> 01:08:03,830

there they might not they might not like

1492

01:08:10,090 --> 01:08:05,900

us much in fact one of the drivers for

1493

01:08:13,150 --> 01:08:10,100

the invasion of Mar by Mars of Earth is

1494

01:08:16,750 --> 01:08:13,160

they Envy us because we have a planet

1495

01:08:19,599 --> 01:08:16,760

with it was the low alien idea that Mars

1496

01:08:21,990 --> 01:08:19,609

was that was you know was declining that

1497

01:08:24,640 --> 01:08:22,000

had formerly been much more fertile and

1498

01:08:27,760 --> 01:08:24,650

covered with oceans and now it was kind

1499

01:08:36,160 --> 01:08:27,770

of dying and the Martians were trying to

1500

01:08:38,950 --> 01:08:36,170

find another third place fine nowadays

1501

01:08:40,750 --> 01:08:38,960

John so for example in the movie

1502

01:08:43,720 --> 01:08:40,760

Independence Day we have this

1503

01:08:45,340 --> 01:08:43,730

civilization comes here they want our

1504

01:08:47,590 --> 01:08:45,350

planet because they want our natural

1505

01:08:50,260 --> 01:08:47,600

resources we have something they want we

1506

01:08:52,780 --> 01:08:50,270

have for example the TV series which has

1507

01:08:55,780 --> 01:08:52,790

been done twice and the eighties now

1508

01:08:57,940 --> 01:08:55,790

again where we have the lion lizards who

1509

01:09:00,310 --> 01:08:57,950

want to make with us because they have a

1510

01:09:03,099 --> 01:09:00,320

problem with their genetic pool it's

1511

01:09:07,180 --> 01:09:03,109

messed up they gotta face it we're mr.

1512

01:09:09,010 --> 01:09:07,190

and mrs. Fixit on earth well I'm sure

1513

01:09:12,149 --> 01:09:09,020

people would be willing to do that for a

1514

01:09:18,430 --> 01:09:15,820

but they wouldn't have to come restore

1515

01:09:21,249 --> 01:09:18,440

you know John the UFO mystery has the

1516

01:09:23,919 --> 01:09:21,259

same meme which is that each he comes

1517

01:09:26,079 --> 01:09:23,929

here they want to mate with earth people

1518

01:09:28,149 --> 01:09:26,089

create a hybrid race because of some

1519

01:09:30,640 --> 01:09:28,159

program that even goes back to biblical

1520

01:09:32,829 --> 01:09:30,650

legends the same thing that we have all

1521

01:09:35,379 --> 01:09:32,839

these advanced beings who want to mate

1522

01:09:37,149 --> 01:09:35,389

with the people of Earth to do something

1523

01:09:39,160 --> 01:09:37,159

that's right the Nephilim in the bible

1524

01:09:41,260 --> 01:09:39,170

you know it's in the Bible that says the

1525

01:09:44,379 --> 01:09:41,270

sons of God it doesn't go into any

1526

01:09:45,700 --> 01:09:44,389

detail of what they were but it does it

1527

01:09:47,859 --> 01:09:45,710

doesn't you can read between the lines

1528

01:09:49,959 --> 01:09:47,869

very easily the sons of God meaning

1529

01:09:52,499 --> 01:09:49,969

people probably from the sky saw the

1530

01:09:57,030 --> 01:09:52,509

daughters of men were very beautiful and

1531

01:10:01,600 --> 01:09:57,040

wanted to take them as wives and did so

1532

01:10:04,330 --> 01:10:01,610

and a reality show yeah and so and it

1533

01:10:06,339 --> 01:10:04,340

says the the offspring of these unions

1534

01:10:09,430 --> 01:10:06,349

were great men about who many legends

1535

01:10:11,979 --> 01:10:09,440

are written and that is in the Bible and

1536

01:10:13,930 --> 01:10:11,989

then of course that validates all these

1537

01:10:18,640 --> 01:10:13,940

reports like among the Greeks of Zeus

1538

01:10:21,399 --> 01:10:18,650

constantly cruising around cruising

1539

01:10:23,589 --> 01:10:21,409

earth for young maidens and in their

1540

01:10:26,760 --> 01:10:23,599

offspring were great heroes about whom

1541

01:10:30,820 --> 01:10:26,770

great legends were written the constant

1542

01:10:33,189 --> 01:10:30,830

lusting after our gene pool on earth it

1543

01:10:35,140 --> 01:10:33,199

goes back to Galactica the of course is

1544

01:10:37,629 --> 01:10:35,150

the big spoiler of the TV series the

1545

01:10:39,970 --> 01:10:37,639

second generation or the reimagining of

1546

01:10:42,520 --> 01:10:39,980

Battlestar Galactica that 150,000 years

1547

01:10:44,680 --> 01:10:42,530

ago they come to earth they mate with us

1548

01:10:47,260 --> 01:10:44,690

and here we are so is this what we're

1549

01:10:50,320 --> 01:10:47,270

lesson to do John that we're destined to

1550

01:10:53,859 --> 01:10:50,330

go to the stars and find ways to repair

1551

01:10:57,390 --> 01:10:53,869

our depleted gene pool with et captain

1552

01:11:04,030 --> 01:10:57,400

remember Captain Kirk was busy trying to

1553

01:11:07,510 --> 01:11:04,040

spread the human galaxy and he had a lot

1554

01:11:09,609 --> 01:11:07,520

of drilling willing et women to do it

1555

01:11:11,620 --> 01:11:09,619

too and well one of the you know

1556

01:11:13,570 --> 01:11:11,630

interesting things they explored in Star

1557

01:11:16,030 --> 01:11:13,580

Trek partly because their makeup budget

1558

01:11:18,959 --> 01:11:16,040

was so low is that they had a lot of the

1559

01:11:20,590 --> 01:11:18,969

of the aliens basically look like us and

1560

01:11:24,870 --> 01:11:20,600

with a blue

1561

01:11:27,970 --> 01:11:24,880

scanner so blue blue or green skin or

1562

01:11:30,220 --> 01:11:27,980

just just wearing different clothes and

1563

01:11:32,620 --> 01:11:30,230

it was quite effective because you

1564

01:11:36,280 --> 01:11:32,630

respond to human beings as intelligent

1565

01:11:40,900 --> 01:11:36,290

and dangerous to great things like that

1566

01:11:43,450 --> 01:11:40,910

for any villain and the fact that we we

1567

01:11:46,750 --> 01:11:43,460

imagined all this stuff about Mars and

1568

01:11:48,520 --> 01:11:46,760

now by the way the the other big boot

1569

01:11:50,650 --> 01:11:48,530

that's going to that's falling on Mars

1570

01:11:54,090 --> 01:11:50,660

which I discuss in the book is the fact

1571

01:11:56,650 --> 01:11:54,100

it was apparently a nuclear catastrophe

1572

01:11:59,080 --> 01:11:56,660

it wasn't enough that the climate

1573

01:12:02,260 --> 01:11:59,090

collapsed I knew what looks like an

1574

01:12:05,470 --> 01:12:02,270

asteroid impact afterwards there was a

1575

01:12:07,980 --> 01:12:05,480

planetary nuclear catastrophe a giant

1576

01:12:11,430 --> 01:12:07,990

nuclear explosion a million Megaton

1577

01:12:15,450 --> 01:12:11,440

hydrogen bomb equivalent going off and

1578

01:12:18,310 --> 01:12:15,460

but not artificial was this nuclear

1579

01:12:21,090 --> 01:12:18,320

Cataclysm artificial or something from a

1580

01:12:24,490 --> 01:12:21,100

natural force of one source or another

1581

01:12:27,010 --> 01:12:24,500

well in order to get my paper into the

1582

01:12:30,970 --> 01:12:27,020

conference I proposed it was met it was

1583

01:12:33,850 --> 01:12:30,980

natural and uh in Africa there were

1584

01:12:37,510 --> 01:12:33,860

natural nuclear reactors this very rich

1585

01:12:41,260 --> 01:12:37,520

uranium deposit became the site of

1586

01:12:43,120 --> 01:12:41,270

little kind of nuclear reactors because

1587

01:12:45,280 --> 01:12:43,130

of groundwater getting mixed with the

1588

01:12:46,600 --> 01:12:45,290

uranium so it would form come a reactor

1589

01:12:50,020 --> 01:12:46,610

core of a water-cooled

1590

01:12:52,360 --> 01:12:50,030

nuclear reactor and so that happened on

1591

01:12:55,450 --> 01:12:52,370

earth and several scientists commented

1592

01:12:57,190 --> 01:12:55,460

to me well if it happened on earth it

1593

01:12:59,740 --> 01:12:57,200

could have has to have been able to

1594

01:13:02,590 --> 01:12:59,750

happen on Mars only this one with much

1595

01:13:05,080 --> 01:13:02,600

would have had to been much larger the

1596

01:13:07,750 --> 01:13:05,090

problem by the way with that hypothesis

1597

01:13:10,780 --> 01:13:07,760

and I discussed that at the meeting was

1598

01:13:13,300 --> 01:13:10,790

that it would have left a big crater I'm

1599

01:13:16,870 --> 01:13:13,310

it's very hard for me to imagine such an

1600

01:13:20,950 --> 01:13:16,880

enormous explosion from inside the the

1601
01:13:23,620 --> 01:13:20,960
Martian surface and not creating a big

1602
01:13:25,240 --> 01:13:23,630
crater that we can see now but people

1603
01:13:27,700 --> 01:13:25,250
just shrugged and said well maybe it

1604
01:13:30,160 --> 01:13:27,710
would have filled in or something what

1605
01:13:32,020 --> 01:13:30,170
impressed people by the way was the fact

1606
01:13:33,970 --> 01:13:32,030
that the isotopes in the Martian

1607
01:13:34,300 --> 01:13:33,980
atmosphere look like the results of a

1608
01:13:36,820 --> 01:13:34,310
new

1609
01:13:38,980 --> 01:13:36,830
explosion because we have exam an

1610
01:13:41,620 --> 01:13:38,990
example on earth we've actually altered

1611
01:13:43,750 --> 01:13:41,630
our own atmosphere by the open air

1612
01:13:45,400 --> 01:13:43,760
nuclear testing when we did it's got a

1613
01:13:48,400 --> 01:13:45,410

lot of xenon 129

1614

01:13:51,940 --> 01:13:48,410

okay this nuclear catastrophe we judge

1615

01:13:53,500 --> 01:13:51,950

by the half-life of the isotopes how

1616

01:13:58,990 --> 01:13:53,510

long ago did on Mars

1617

01:14:02,830 --> 01:13:59,000

well it the the the key we have to date

1618

01:14:06,580 --> 01:14:02,840

this thing to this event in time is a

1619

01:14:08,500 --> 01:14:06,590

meteorite called ETA 7901 and it's a

1620

01:14:11,860 --> 01:14:08,510

hundred and eighty million years ago and

1621

01:14:15,070 --> 01:14:11,870

it's a lava sandwich it's one floor lab

1622

01:14:16,930 --> 01:14:15,080

up you know like from a volcano and then

1623

01:14:20,080 --> 01:14:16,940

like a few days later there was another

1624

01:14:22,690 --> 01:14:20,090

flow of lava so there's two slightly

1625

01:14:25,120 --> 01:14:22,700

different lavas that form kind of this

1626

01:14:28,690 --> 01:14:25,130

layered thing that then got blown off of

1627

01:14:31,240 --> 01:14:28,700

Mars into space and what's interesting

1628

01:14:31,840 --> 01:14:31,250

is water got in between the two

1629

01:14:33,400 --> 01:14:31,850

sandwiches

1630

01:14:39,160 --> 01:14:33,410

that's it got in the middle of the

1631

01:14:43,480 --> 01:14:39,170

sandwich and formed like gypsum sulfate

1632

01:14:45,760 --> 01:14:43,490

and sulfate and carbonate in there and

1633

01:14:46,420 --> 01:14:45,770

then bugs apparently started growing in

1634

01:14:48,850 --> 01:14:46,430

there too

1635

01:14:51,850 --> 01:14:48,860

that's they found life signs in the EPA

1636

01:14:53,620 --> 01:14:51,860

7901 but it's only 180 million years ago

1637

01:14:55,720 --> 01:14:53,630

what's interesting part of the lab a

1638

01:14:59,380 --> 01:14:55,730

sandwich which they call lithology

1639

01:15:04,450 --> 01:14:59,390

a rock type a has signs of radiation

1640

01:15:06,250 --> 01:15:04,460

damage but a rock type b the other half

1641

01:15:08,560 --> 01:15:06,260

of the sandwich doesn't show nearly is

1642

01:15:12,100 --> 01:15:08,570

same amount of radiation damage so it's

1643

01:15:16,090 --> 01:15:12,110

almost as if this big nuclear

1644

01:15:18,910 --> 01:15:16,100

catastrophe was going on when when lava

1645

01:15:21,220 --> 01:15:18,920

was flowing and then was lessened when

1646

01:15:25,570 --> 01:15:21,230

the other lava was flowing so as a

1647

01:15:28,450 --> 01:15:25,580

result it kind of or in fact it may it's

1648

01:15:33,610 --> 01:15:28,460

it's it may have actually been lava

1649

01:15:36,760 --> 01:15:33,620

triggered by this big explosion now john

1650

01:15:40,780 --> 01:15:36,770

Brandon yes we're talking with dr.

1651
01:15:43,040 --> 01:15:40,790
Brandenburg co-host is Chris O'Brien I'm

1652
01:15:52,520 --> 01:15:43,050
gene Steinberg you're in

1653
01:15:54,860 --> 01:15:52,530
Ericka's ray perkins a reclusive veteran

1654
01:15:57,140 --> 01:15:54,870
burned out from the Gulf War lives

1655
01:15:59,330 --> 01:15:57,150
tortured by relentless perplexing

1656
01:16:01,940 --> 01:15:59,340
nightmares nightmares of a horrific

1657
01:16:03,800 --> 01:16:01,950
battle in deep space and of a mysterious

1658
01:16:06,650 --> 01:16:03,810
woman suffering an agony for her

1659
01:16:11,620 --> 01:16:06,660
devastated world a woman not yet born

1660
01:16:14,270 --> 01:16:11,630
calling across centuries to him then a

1661
01:16:17,570 --> 01:16:14,280
coincidence leads him to his destiny his

1662
01:16:20,120 --> 01:16:17,580
chance to alter the universe attack of

1663
01:16:21,980 --> 01:16:20,130

the rocker the former fiction editor for

1664

01:16:24,290 --> 01:16:21,990

Star Wars and Indiana Jones Robert

1665

01:16:26,360 --> 01:16:24,300

Simpson writes the soul of the novel

1666

01:16:28,130 --> 01:16:26,370

attack of the Rockets lies in its heart

1667

01:16:30,230 --> 01:16:28,140

and passion for building a convincing

1668

01:16:33,410 --> 01:16:30,240

tale of a love that spans the galaxy a

1669

01:16:36,080 --> 01:16:33,420

thrilling story attack of the rocket is

1670

01:16:37,790 --> 01:16:36,090

available now read a sample chapter and

1671

01:16:40,640 --> 01:16:37,800

get a special discount off of the cover

1672

01:16:47,630 --> 01:16:40,650

price at our website Rocko is calm

1673

01:16:50,180 --> 01:16:47,640

that's our Ock Oh IDs calm a novel in

1674

01:16:51,980 --> 01:16:50,190

the grand science-fiction tradition do

1675

01:16:53,780 --> 01:16:51,990

you want to learn more about preparing

1676
01:16:55,550 --> 01:16:53,790
for the hard times ahead have you ever

1677
01:16:57,920 --> 01:16:55,560
thought about actually getting off the

1678
01:17:00,380 --> 01:16:57,930
grid and becoming truly self-reliant

1679
01:17:02,390 --> 01:17:00,390
introducing off-the-grid news a weekly

1680
01:17:04,520 --> 01:17:02,400
newsletter for independent Americans who

1681
01:17:06,860 --> 01:17:04,530
want practical advice on how to survive

1682
01:17:09,230 --> 01:17:06,870
and even prosper in an increasingly

1683
01:17:11,120 --> 01:17:09,240
dangerous world it's the best way to get

1684
01:17:13,280 --> 01:17:11,130
a black belt in emergency preparedness

1685
01:17:15,590 --> 01:17:13,290
survival skills and off-the-grid living

1686
01:17:17,930 --> 01:17:15,600
packed with hard-hitting information on

1687
01:17:20,270 --> 01:17:17,940
gardening food preparation alternative

1688
01:17:22,820 --> 01:17:20,280

energy and home security there's simply

1689

01:17:25,460 --> 01:17:22,830

nothing alike it and the best part this

1690

01:17:27,950 --> 01:17:25,470

100-dollar annual subscription is now

1691

01:17:30,320 --> 01:17:27,960

free of charge simply sign up today and

1692

01:17:33,290 --> 01:17:30,330

you'll also get our hard-hitting report

1693

01:17:35,810 --> 01:17:33,300

food shock why 2011 could be the single

1694

01:17:38,660 --> 01:17:35,820

most important year in American history

1695

01:17:40,370 --> 01:17:38,670

to plant a family garden it's absolutely

1696

01:17:42,920 --> 01:17:40,380

free for listeners who sign up at

1697

01:17:45,230 --> 01:17:42,930

off-the-grid news net that's off the

1698

01:17:45,860 --> 01:17:45,240

grid news net get your free food shock

1699

01:17:49,220 --> 01:17:45,870

right now

1700

01:17:51,120 --> 01:17:49,230

off-the-grid news net

1701

01:17:53,520 --> 01:17:51,130

before you throw away your used

1702

01:17:56,040 --> 01:17:53,530

batteries you need to listen to this now

1703

01:17:57,990 --> 01:17:56,050

going green can save money go green and

1704

01:17:59,700 --> 01:17:58,000

save money by giving life to your used

1705

01:18:01,530 --> 01:17:59,710

batteries by charging them with the

1706

01:18:03,540 --> 01:18:01,540

Renaissance charger the Renaissance

1707

01:18:05,189 --> 01:18:03,550

charger uses a new revolutionary battery

1708

01:18:06,990 --> 01:18:05,199

charging technology that effectively

1709

01:18:09,419 --> 01:18:07,000

extends a life of new batteries and

1710

01:18:11,609 --> 01:18:09,429

gives new life to use batteries invented

1711

01:18:13,919 --> 01:18:11,619

by legendary audio genius John Bedini

1712

01:18:16,050 --> 01:18:13,929

this unique and patented charging system

1713

01:18:17,399 --> 01:18:16,060

rejuvenates the electrochemical plate

1714

01:18:20,040 --> 01:18:17,409

structure in the battery without

1715

01:18:22,200 --> 01:18:20,050

additives increasing capacity and

1716

01:18:23,760 --> 01:18:22,210

maintaining cell integrity Renaissance

1717

01:18:25,830 --> 01:18:23,770

charge offers a full line of products

1718

01:18:28,560 --> 01:18:25,840

made in the USA for all types and sizes

1719

01:18:30,330 --> 01:18:28,570

of batteries find out why our customers

1720

01:18:32,399 --> 01:18:30,340

tell us the Renaissance charger is the

1721

01:18:34,350 --> 01:18:32,409

only battery charger they will ever use

1722

01:18:37,470 --> 01:18:34,360

save your money save the environment

1723

01:18:40,439 --> 01:18:37,480

visit us online at our - charge com

1724

01:18:43,169 --> 01:18:40,449

that's our - charge com or call us at

1725

01:18:45,270 --> 01:18:43,179

2:08 seven seven two four five one four

1726

01:18:47,550 --> 01:18:45,280

that's two zero eight seven seven two

1727

01:18:50,040 --> 01:18:47,560

four five one four be a part of the

1728

01:18:52,439 --> 01:18:50,050

revolution today did you know that

1729

01:18:53,819 --> 01:18:52,449

drinking pure high alkaline water is one

1730

01:18:55,709 --> 01:18:53,829

of the most important factors in

1731

01:18:57,629 --> 01:18:55,719

maintaining high energy and vibrant

1732

01:18:59,760 --> 01:18:57,639

health most experts agree that the water

1733

01:19:02,160 --> 01:18:59,770

you drain should be at a pH level of 8

1734

01:19:04,260 --> 01:19:02,170

or higher alcove in plasma pH drops

1735

01:19:06,510 --> 01:19:04,270

available only at Alka vision com

1736

01:19:08,430 --> 01:19:06,520

combine a unique formula of only the

1737

01:19:10,589 --> 01:19:08,440

most alkaline minerals Alka vision

1738

01:19:12,750 --> 01:19:10,599

plasma pH drops alkalis your water

1739

01:19:14,490 --> 01:19:12,760

ridding the body of harmful toxins and

1740

01:19:16,530 --> 01:19:14,500

helps you regain health and energy

1741

01:19:18,870 --> 01:19:16,540

alkalizing your water by simply adding

1742

01:19:21,030 --> 01:19:18,880

10 drops of alkaviva plasma pH drops

1743

01:19:23,100 --> 01:19:21,040

helps the body rid itself of acidic

1744

01:19:25,350 --> 01:19:23,110

wastes increases oxygen content and

1745

01:19:27,810 --> 01:19:25,360

raises the pH of your body that healthy

1746

01:19:29,609 --> 01:19:27,820

levels and bacteria and viruses cannot

1747

01:19:31,080 --> 01:19:29,619

survive in an alkaline high pH

1748

01:19:33,419 --> 01:19:31,090

environment order your bottle of

1749

01:19:35,399 --> 01:19:33,429

alkaviva plasma pH drops for only twenty

1750

01:19:39,149 --> 01:19:35,409

nine ninety five at Alka vision com

1751

01:19:41,490 --> 01:19:39,159

that's ALK a vision calm or call 269 for

1752

01:19:45,200 --> 01:19:41,500

zero nine seventeen seventy six two six

1753

01:19:47,700 --> 01:19:45,210

nine four zero 9 1776 alkalize your body

1754

01:19:49,700 --> 01:19:47,710

supercharge your health at Alka vision

1755

01:19:51,919 --> 01:19:49,710

comm today

1756

01:19:54,649 --> 01:19:51,929

America's number one source for

1757

01:20:03,730 --> 01:19:54,659

independent talk radio for over

1758

01:20:03,740 --> 01:20:12,489

[Music]

1759

01:20:18,049 --> 01:20:15,409

we're having a jolly time with dr. John

1760

01:20:20,569 --> 01:20:18,059

Brandenburg on the para Cass with gene

1761

01:20:23,719 --> 01:20:20,579

Steinberg and Chris O'Brien exploring

1762

01:20:25,969 --> 01:20:23,729

the incredible mysteries of Mars and all

1763

01:20:28,370 --> 01:20:25,979

the ramifications thereof Chris pick up

1764

01:20:30,709 --> 01:20:28,380

please you presented this paper and in

1765

01:20:33,319 --> 01:20:30,719

order to get it in you had to hint

1766

01:20:35,500 --> 01:20:33,329

around that you felt that it was a that

1767

01:20:38,629 --> 01:20:35,510

it was a naturally occurring under

1768

01:20:41,659 --> 01:20:38,639

underground yeah have been triggered but

1769

01:20:44,299 --> 01:20:41,669

in your book you mentioned that because

1770

01:20:47,239 --> 01:20:44,309

of the the very curious fact that there

1771

01:20:49,129 --> 01:20:47,249

is no real crater that yeah how would a

1772

01:20:51,199 --> 01:20:49,139

suit be formed that what you're

1773

01:20:53,929 --> 01:20:51,209

considering is a possibility is some

1774

01:20:57,140 --> 01:20:53,939

sort of airburst event which opens up a

1775

01:21:00,439 --> 01:20:57,150

whole Pandora's box of hypotheticals so

1776

01:21:02,540 --> 01:21:00,449

once you've got it you're very quickly

1777

01:21:05,000 --> 01:21:02,550

in a science fiction scenario when you

1778

01:21:07,879 --> 01:21:05,010

start talking about airburst there was a

1779

01:21:11,479 --> 01:21:07,889

large object that fell in Siberia and

1780

01:21:15,080 --> 01:21:11,489

blew up in midair called it was place

1781

01:21:17,689 --> 01:21:15,090

called Tunguska and it flattened like

1782

01:21:20,479 --> 01:21:17,699

about a million miles of square miles of

1783

01:21:23,149 --> 01:21:20,489

Siberian forest and it looked like a

1784

01:21:24,739 --> 01:21:23,159

hydrogen bomb going off and that was in

1785

01:21:29,359 --> 01:21:24,749

midair it didn't make a crater

1786

01:21:31,580 --> 01:21:29,369

now however there's no evidence that

1787

01:21:33,649 --> 01:21:31,590

that thing was nukid her this thing was

1788

01:21:38,299 --> 01:21:33,659

nuclear but it looks like it blew up in

1789

01:21:40,609 --> 01:21:38,309

midair like Tunguska so it's very

1790

01:21:42,949 --> 01:21:40,619

difficult to explain that was any kind

1791

01:21:46,069 --> 01:21:42,959

of natural process that we've ever seen

1792

01:21:48,669 --> 01:21:46,079

well did you bring this up the only the

1793

01:21:51,459 --> 01:21:48,679

only thing we've seen like that is a

1794

01:21:54,529 --> 01:21:51,469

mid-air explosion of a nuclear weapon

1795

01:21:56,850 --> 01:21:54,539

did you bring it up did you did you kind

1796

01:22:00,970 --> 01:21:56,860

of you know

1797

01:22:04,300 --> 01:22:00,980

I'm I'm trying to hold an audience

1798

01:22:07,060 --> 01:22:04,310

remember I'm this was this was presented

1799

01:22:09,460 --> 01:22:07,070

as a poster paper which is like putting

1800

01:22:10,900 --> 01:22:09,470

up a bunch of view graphs on a bulletin

1801
01:22:12,370 --> 01:22:10,910
board instead of presenting them to an

1802
01:22:15,660 --> 01:22:12,380
audience they can present they can

1803
01:22:18,160 --> 01:22:15,670
accommodate a lot more papers at once

1804
01:22:19,570 --> 01:22:18,170
rather than doing them serially it was

1805
01:22:21,190 --> 01:22:19,580
like everybody kind of wanders it's

1806
01:22:24,580 --> 01:22:21,200
almost like Halloween night you've got

1807
01:22:27,160 --> 01:22:24,590
trick-or-treaters coming to your house

1808
01:22:31,360 --> 01:22:27,170
and you're handing out our information

1809
01:22:35,950 --> 01:22:31,370
and it's no 18 right it's like dating

1810
01:22:38,770 --> 01:22:35,960
and people are cruising by and one of

1811
01:22:40,410 --> 01:22:38,780
the problems I found was that I was

1812
01:22:43,030 --> 01:22:40,420
there there were a thousand different

1813
01:22:47,650 --> 01:22:43,040

papers being presented all at once and

1814

01:22:50,550 --> 01:22:47,660

these big enormous hall and I only I

1815

01:22:52,360 --> 01:22:50,560

didn't get a lot of traffic because

1816

01:22:53,980 --> 01:22:52,370

because there were so many other

1817

01:22:55,660 --> 01:22:53,990

interesting papers with much fancier

1818

01:22:59,230 --> 01:22:55,670

graphics than mine they have big

1819

01:23:01,300 --> 01:22:59,240

universities I'll tell you what you have

1820

01:23:03,610 --> 01:23:01,310

to do John is get yourself a copy of

1821

01:23:05,830 --> 01:23:03,620

keynote for the Mac you'll make great

1822

01:23:07,570 --> 01:23:05,840

presentations with super transitions but

1823

01:23:09,610 --> 01:23:07,580

seriously speaking so you're basically

1824

01:23:11,950 --> 01:23:09,620

saying that you kind of sanitize this

1825

01:23:14,380 --> 01:23:11,960

presentation for the sake of he Elias

1826
01:23:16,570 --> 01:23:14,390
you didn't want any paid to kind of look

1827
01:23:19,030 --> 01:23:16,580
like and say well you're like the crazy

1828
01:23:20,410 --> 01:23:19,040
guy in the movie Stargate who was

1829
01:23:23,440 --> 01:23:20,420
talking about the Stargate

1830
01:23:26,260 --> 01:23:23,450
and dr. dad well she was the character

1831
01:23:28,720 --> 01:23:26,270
and he's being laughed out of the room

1832
01:23:30,640 --> 01:23:28,730
because of the fact that he's coming up

1833
01:23:32,530 --> 01:23:30,650
with this outlandish idea so you didn't

1834
01:23:37,240 --> 01:23:32,540
want to sound outlandish you wanted to

1835
01:23:38,890 --> 01:23:37,250
sell no and you don't want to talk

1836
01:23:41,440 --> 01:23:38,900
science fiction scenarios at a

1837
01:23:44,200 --> 01:23:41,450
conference like that so basically I did

1838
01:23:47,470 --> 01:23:44,210

point out however and people's got eyes

1839

01:23:49,840 --> 01:23:47,480

got large when I see most of these Mars

1840

01:23:52,900 --> 01:23:49,850

scientists are not familiar with nuclear

1841

01:23:55,240 --> 01:23:52,910

weapons effects like I am because of I'm

1842

01:23:57,880 --> 01:23:55,250

a plasma physicist not a geologist I

1843

01:24:00,730 --> 01:23:57,890

know all about nuclear weapons it was

1844

01:24:02,200 --> 01:24:00,740

sort of up we we got kind of a little

1845

01:24:03,970 --> 01:24:02,210

bit of a short course in it when the

1846

01:24:06,010 --> 01:24:03,980

graduate school I went to which was at

1847

01:24:07,419 --> 01:24:06,020

Lawrence Livermore National Lab it's

1848

01:24:09,550 --> 01:24:07,429

called Teller Tech

1849

01:24:12,160 --> 01:24:09,560

and also I work for Aerospace

1850

01:24:14,950 --> 01:24:12,170

Corporation where we we had to

1851
01:24:17,169 --> 01:24:14,960
understand all the stuff to analyze

1852
01:24:21,040 --> 01:24:17,179
things like the Pakistani nuclear tests

1853
01:24:22,750 --> 01:24:21,050
etc so what you do is you you know what

1854
01:24:25,750 --> 01:24:22,760
the signatures of a nuclear weapon and

1855
01:24:29,410 --> 01:24:25,760
they should look like and most of these

1856
01:24:32,140 --> 01:24:29,420
geologists don't so the same set of data

1857
01:24:34,479 --> 01:24:32,150
you show to a geologist Martian

1858
01:24:36,550 --> 01:24:34,489
geologist he he says well that's

1859
01:24:40,300 --> 01:24:36,560
interesting and mysterious you show it

1860
01:24:41,860 --> 01:24:40,310
to somebody who's an expert in nuclear

1861
01:24:43,990 --> 01:24:41,870
weapons now the Pentagon and he

1862
01:24:46,090 --> 01:24:44,000
basically his eyes get big and he says

1863
01:24:49,479 --> 01:24:46,100

oh my god so I basically pointed out

1864

01:24:51,970 --> 01:24:49,489

that the xenon 129 as a result of big

1865

01:24:54,310 --> 01:24:51,980

nuclear explosions on earth and that got

1866

01:24:57,580 --> 01:24:54,320

basically people's eyes would get big

1867

01:25:01,540 --> 01:24:57,590

and they'd say is that so I hadn't known

1868

01:25:03,040 --> 01:25:01,550

that and then they basically would just

1869

01:25:05,410 --> 01:25:03,050

be really quiet while I went through the

1870

01:25:08,169 --> 01:25:05,420

rest of the paper and I did point out

1871

01:25:09,669 --> 01:25:08,179

though that there was no crater and that

1872

01:25:12,780 --> 01:25:09,679

this was a big problem with this

1873

01:25:17,140 --> 01:25:12,790

hypothesis and I in fact I mentioned

1874

01:25:19,450 --> 01:25:17,150

Tunguska as a airburst of something but

1875

01:25:21,430 --> 01:25:19,460

it wasn't nuke unfortunately well

1876

01:25:23,919 --> 01:25:21,440

fortunately there's no evidence that

1877

01:25:26,229 --> 01:25:23,929

Tunguska left any radioactive fallout so

1878

01:25:28,540 --> 01:25:26,239

it apparently was just a big calm it was

1879

01:25:30,310 --> 01:25:28,550

apparently a chunk of a comet that came

1880

01:25:34,479 --> 01:25:30,320

in and exploded in midair rather than

1881

01:25:37,450 --> 01:25:34,489

hitting the earth and in fact it

1882

01:25:39,610 --> 01:25:37,460

probably caused more devastation because

1883

01:25:41,500 --> 01:25:39,620

it exploded in midair than if it hit the

1884

01:25:42,820 --> 01:25:41,510

actually hit the earth it probably would

1885

01:25:45,640 --> 01:25:42,830

have made a big crater but it would have

1886

01:25:48,610 --> 01:25:45,650

been more concentrated damage in Siberia

1887

01:25:54,780 --> 01:25:48,620

instead it leveled million a million

1888

01:25:56,740 --> 01:25:54,790

square miles of forest I guess and so

1889

01:26:01,919 --> 01:25:56,750

when you're at a conference like this

1890

01:26:04,419 --> 01:26:01,929

you basically you run through the paper

1891

01:26:10,450 --> 01:26:04,429

to whoever stops and is really

1892

01:26:12,520 --> 01:26:10,460

interested and and I did that and the

1893

01:26:14,260 --> 01:26:12,530

people who were interested the paper

1894

01:26:17,590 --> 01:26:14,270

were quite amazed that this looked like

1895

01:26:20,410 --> 01:26:17,600

nuclear weapons residue and they hadn't

1896

01:26:20,920 --> 01:26:20,420

thought of it that way but of course it

1897

01:26:23,200 --> 01:26:20,930

very

1898

01:26:26,530 --> 01:26:23,210

wickets in the kind of Mars has such a

1899

01:26:29,080 --> 01:26:26,540

legacy of science fiction that people

1900

01:26:31,510 --> 01:26:29,090

have an aversion to anything that looks

1901

01:26:35,050 --> 01:26:31,520

science fictiony on Mars he especially

1902

01:26:38,920 --> 01:26:35,060

you know either geologists they like

1903

01:26:40,240 --> 01:26:38,930

talk about rocks you know in fact in

1904

01:26:42,340 --> 01:26:40,250

fact if you show them a picture of the

1905

01:26:45,820 --> 01:26:42,350

face on Mars they'll say wonder what

1906

01:26:47,500 --> 01:26:45,830

kind of rock has made out of now

1907

01:26:49,990 --> 01:26:47,510

completely ignore the fact that look

1908

01:26:52,210 --> 01:26:50,000

like a face or Olmec head they'll

1909

01:26:56,350 --> 01:26:52,220

actually say that looks like some kind

1910

01:26:59,560 --> 01:26:56,360

of lava its I wonder what the lab of

1911

01:27:02,920 --> 01:26:59,570

chemistry is on that thing and so you

1912

01:27:04,710 --> 01:27:02,930

must understand that most that science

1913

01:27:08,440 --> 01:27:04,720

tends to be extremely conservative

1914

01:27:10,750 --> 01:27:08,450

especially Mars science and the reason

1915

01:27:13,390 --> 01:27:10,760

is is therefore teetering right on the

1916

01:27:15,370 --> 01:27:13,400

edge of a cliff of finding out that

1917

01:27:17,410 --> 01:27:15,380

we're not the center of the universe

1918

01:27:19,420 --> 01:27:17,420

biologically anymore and we're gonna

1919

01:27:24,040 --> 01:27:19,430

find it out on Mars we're finding it out

1920

01:27:26,200 --> 01:27:24,050

now and by the way if we find out that

1921

01:27:29,140 --> 01:27:26,210

Mars was another Alderaan

1922

01:27:31,390 --> 01:27:29,150

like in Star Wars you can imagine

1923

01:27:33,700 --> 01:27:31,400

governor Tarkin with the Death Star only

1924

01:27:36,250 --> 01:27:33,710

instead of you know launching a giant

1925

01:27:38,800 --> 01:27:36,260

particle beam weapon that Mars he used a

1926

01:27:43,570 --> 01:27:38,810

big hydrogen bomb as big as a Empire

1927

01:27:45,550 --> 01:27:43,580

State Building and you know that's what

1928

01:27:49,330 --> 01:27:45,560

we're talking we're talking a

1929

01:27:50,830 --> 01:27:49,340

convergence of fact versus fiction but

1930

01:27:55,590 --> 01:27:50,840

ok well let me let me give you an

1931

01:27:59,350 --> 01:27:55,600

example in 1958 Kirby comics published a

1932

01:28:01,960 --> 01:27:59,360

a comic book that I probably read when I

1933

01:28:05,110 --> 01:28:01,970

was a kid and these are the guys who did

1934

01:28:08,590 --> 01:28:05,120

this Fantastic Four later same artists

1935

01:28:10,390 --> 01:28:08,600

and it's called the face on Mars and you

1936

01:28:14,140 --> 01:28:10,400

can see it on Richard Hoagland site of

1937

01:28:17,110 --> 01:28:14,150

you know enterprise mission and on the

1938

01:28:19,960 --> 01:28:17,120

net and it's the face on Mars it's a big

1939

01:28:24,000 --> 01:28:19,970

car face and the astronauts land there

1940

01:28:27,910 --> 01:28:24,010

it was published in 1958 and the

1941

01:28:30,340 --> 01:28:27,920

astronauts go into the face to see

1942

01:28:32,200 --> 01:28:30,350

what's inside and it's a record of the

1943

01:28:34,689 --> 01:28:32,210

last days of Mars the last days of Mars

1944

01:28:36,640 --> 01:28:34,699

was us Martians were just

1945

01:28:39,910 --> 01:28:36,650

Freud by another race that came here and

1946

01:28:42,219 --> 01:28:39,920

used nuclear weapons on us and we

1947

01:28:47,379 --> 01:28:42,229

couldn't defend ourselves life imitating

1948

01:28:50,219 --> 01:28:47,389

art if I'm wrong if this event that

1949

01:28:52,569 --> 01:28:50,229

you're describing of this catastrophic

1950

01:28:55,390 --> 01:28:52,579

potentially airburst nuclear explosion

1951

01:28:56,830 --> 01:28:55,400

occurred 180 million years ago what were

1952

01:28:59,890 --> 01:28:56,840

the conditions on Mars back then

1953

01:29:02,140 --> 01:28:59,900

according to theory a half a billion

1954

01:29:04,540 --> 01:29:02,150

years ago the planet began to lose its

1955

01:29:07,479 --> 01:29:04,550

atmosphere because of a catastrophic

1956

01:29:12,459 --> 01:29:07,489

asteroid impact or some celestial body

1957

01:29:16,060 --> 01:29:12,469

that is a real mystery I by the way the

1958

01:29:18,489 --> 01:29:16,070

the date of half a billion years ago 500

1959

01:29:22,600 --> 01:29:18,499

million years ago is kind of tentative

1960

01:29:26,319 --> 01:29:22,610

based on a lot of other kind of how many

1961

01:29:29,469 --> 01:29:26,329

craters form per year you know on Mars

1962

01:29:31,660 --> 01:29:29,479

etc of a certain size John we have to

1963

01:29:34,629 --> 01:29:31,670

interrupt this for the crater conundrum

1964

01:29:37,719 --> 01:29:34,639

the crater conundrum will be resolved on

1965

01:29:39,790 --> 01:29:37,729

the other side of the show our guest

1966

01:29:42,009 --> 01:29:39,800

John Brandenburg the co-host Chris

1967

01:29:45,870 --> 01:29:42,019

O'Brien I'm gene Steinberg you're in a

1968

01:29:45,880 --> 01:29:49,570

[Music]

1969

01:29:54,350 --> 01:29:52,070

don't complain about your cable bill

1970

01:29:56,479 --> 01:29:54,360

going up and up and up do something

1971

01:30:00,350 --> 01:29:56,489

about it grab a pencil and jot down this

1972

01:30:02,390 --> 01:30:00,360

special number 27 7 feet 0 for my TV the

1973

01:30:05,330 --> 01:30:02,400

more cable TV rates go up the better

1974

01:30:06,920 --> 01:30:05,340

digital satellite TV looks so disabled

1975

01:30:09,740 --> 01:30:06,930

the cable and get more of your favorite

1976

01:30:11,570 --> 01:30:09,750

channels in 100% digital quality for

1977

01:30:13,880 --> 01:30:11,580

less money call one eight seven seven

1978

01:30:15,530 --> 01:30:13,890

eight zero for my TV right now

1979

01:30:18,110 --> 01:30:15,540

to sign up for packages starting as low

1980

01:30:20,210 --> 01:30:18,120

as \$19.99 and up to four rooms and

1981

01:30:22,729 --> 01:30:20,220

there's no equipment to buy that

1982

01:30:25,040 --> 01:30:22,739

includes your free HD TV upgrade your

1983

01:30:26,990 --> 01:30:25,050

free DVR upgrade and your free

1984

01:30:29,180 --> 01:30:27,000

professional installation and the best

1985

01:30:30,950 --> 01:30:29,190

part the pristine digital picture and

1986

01:30:33,290 --> 01:30:30,960

sound call one eight seven seven eight

1987

01:30:33,740 --> 01:30:33,300

zero for my TV so what are you waiting

1988

01:30:35,690 --> 01:30:33,750

for

1989

01:30:37,760 --> 01:30:35,700

pull out your major credit or debit card

1990

01:30:40,040 --> 01:30:37,770

call twenty seven seven eight zero for

1991

01:30:42,920 --> 01:30:40,050

my TV one eight seven seven eight zero

1992

01:30:44,870 --> 01:30:42,930

for my TV disabled the cable cut costs

1993

01:30:47,630 --> 01:30:44,880

and get more call twenty seven seventeen

1994

01:30:50,840 --> 01:30:47,640

zero for my TV one eight seven seven

1995

01:30:52,550 --> 01:30:50,850

eight zero for my TV for centuries a

1996

01:30:55,070 --> 01:30:52,560

silver has been used as a powerful

1997

01:30:57,200 --> 01:30:55,080

natural antibiotic and as a listener to

1998

01:30:58,910 --> 01:30:57,210

the station you probably already know

1999

01:31:00,830 --> 01:30:58,920

the benefits of using colloidal silver

2000

01:31:03,140 --> 01:31:00,840

with so many websites to choose from

2001

01:31:05,000 --> 01:31:03,150

finding a reputable patriotic company

2002

01:31:07,580 --> 01:31:05,010

with great products at affordable prices

2003

01:31:10,850 --> 01:31:07,590

can be a difficult task introducing

2004

01:31:13,190 --> 01:31:10,860

utopia silver com utopia silver com

2005

01:31:14,690 --> 01:31:13,200

carries the best most effective and most

2006

01:31:17,450 --> 01:31:14,700

affordable colloidal silver and

2007

01:31:19,820 --> 01:31:17,460

colloidal gold products in the industry

2008

01:31:21,650 --> 01:31:19,830

utopia silver come also carries products

2009

01:31:23,870 --> 01:31:21,660

to fit your lifestyle including weight

2010

01:31:26,240 --> 01:31:23,880

loss immune system defense cleanses

2011

01:31:28,850 --> 01:31:26,250

herbs joint and bone care and much more

2012

01:31:31,160 --> 01:31:28,860

first time customers using promo code GC

2013

01:31:33,080 --> 01:31:31,170

and fifty will receive 50% off all

2014

01:31:36,470 --> 01:31:33,090

colloidal products visit us today at

2015

01:31:39,140 --> 01:31:36,480

utopia silver that's uto pi/8 silver

2016

01:31:41,270 --> 01:31:39,150

utopia silver calm or call eight eight

2017

01:31:42,950 --> 01:31:41,280

eight two one three forty three thirty

2018

01:31:44,660 --> 01:31:42,960

eight that's eight eight eight two one

2019

01:31:47,510 --> 01:31:44,670

three forty three thirty eight

2020

01:31:50,450 --> 01:31:47,520

utopia silver calm taking back america's

2021

01:31:52,370 --> 01:31:50,460

health care one american at a time go

2022

01:31:54,470 --> 01:31:52,380

silver for cheap want to use solar power

2023

01:31:56,000 --> 01:31:54,480

but the price is too high now you can

2024

01:31:57,170 --> 01:31:56,010

build your own solar panels for less

2025

01:31:59,300 --> 01:31:57,180

than \$200

2026

01:32:00,920 --> 01:31:59,310

one two three cheap solar calm don't

2027

01:32:02,900 --> 01:32:00,930

laugh we've sold over forty five

2028

01:32:04,550 --> 01:32:02,910

thousand solar do-it-yourself kits watch

2029

01:32:07,040 --> 01:32:04,560

the step-by-step videos that even non

2030

01:32:08,810 --> 01:32:07,050

handyman types can use we offer a 60-day

2031

01:32:11,090 --> 01:32:08,820

money-back guarantee go to one two three

2032

01:32:12,740 --> 01:32:11,100

cheap solar calm or call eight hundred

2033

01:32:14,060 --> 01:32:12,750

seventy one three zero four eight six

2034

01:32:16,130 --> 01:32:14,070

eight hundred seventy one three zero

2035

01:32:17,990 --> 01:32:16,140

four eight six reduce your foreign oil

2036

01:32:20,270 --> 01:32:18,000

dependency when you go green with one

2037

01:32:22,040 --> 01:32:20,280

two three cheap solar calm hi this is

2038

01:32:24,080 --> 01:32:22,050

Ted Anderson have you ever wondered why

2039

01:32:26,090 --> 01:32:24,090

banks stockbrokers investment advisers

2040

01:32:27,860 --> 01:32:26,100

won't talk about gold IRAs they've been

2041

01:32:29,630 --> 01:32:27,870

available since nineteen eighty six yet

2042

01:32:31,190 --> 01:32:29,640

the financial industry won't recognize

2043

01:32:33,560 --> 01:32:31,200

the value of gold for your retirement

2044

01:32:35,720 --> 01:32:33,570

goal has outperformed paper investments

2045

01:32:37,840 --> 01:32:35,730

yet no word about IRAs if you would like

2046

01:32:40,580 --> 01:32:37,850

to have gold for your retirement call

2047

01:32:42,320 --> 01:32:40,590

866 two two three seven don't get left

2048

01:33:23,660 --> 01:32:42,330

behind by rising inflation and low

2049

01:33:25,250 --> 01:33:23,670

returns call 806-853-9949 plan to get

2050

01:33:27,380 --> 01:33:25,260

your debt reduced to the fullest extent

2051

01:33:29,630 --> 01:33:27,390

possible sometimes even eliminated

2052

01:33:31,070 --> 01:33:29,640

finally I work with you every step of

2053

01:33:32,660 --> 01:33:31,080

the way to get your problem solved once

2054

01:33:35,750 --> 01:33:32,670

and for all so call now for a free

2055

01:33:38,090 --> 01:33:35,760

consultation call 1-800 three four six

2056

01:33:39,890 --> 01:33:38,100

six eight two nine dan pillow will solve

2057

01:33:41,570 --> 01:33:39,900

your tax problem guaranteed

2058

01:33:44,750 --> 01:33:41,580

he's helped thousands of people and he

2059

01:33:47,210 --> 01:33:44,760

can help you too call us today at 834

2060

01:33:50,900 --> 01:33:47,220

six six eight twenty nine that's eight

2061

01:33:52,910 --> 01:33:50,910

hundred thirty-four no tax are you tired

2062

01:33:55,629 --> 01:33:52,920

of searching for great talk-radio

2063

01:34:01,530 --> 01:33:55,639

helping you more important search

2064

01:34:05,050 --> 01:34:01,540

we are the GCM radio network

2065

01:34:07,750 --> 01:34:05,060

hi this is ted phillips listening to the

2066

01:34:14,439 --> 01:34:07,760

parrot cat and it's as good as it gets

2067

01:34:16,419 --> 01:34:14,449

believe me we returned with dr. John

2068

01:34:18,760 --> 01:34:16,429

Brandenburg talking about the incredible

2069

01:34:21,850 --> 01:34:18,770

mysteries of Mars we have a crater

2070

01:34:24,100 --> 01:34:21,860

conundrum to deal with here as posed by

2071

01:34:26,320 --> 01:34:24,110

our co-host Chris O'Brien any further

2072

01:34:30,640 --> 01:34:26,330

comments to make John will just say that

2073

01:34:32,890 --> 01:34:30,650

the these evidence for a planetary wide

2074

01:34:35,200 --> 01:34:32,900

nuclear catastrophe a massive nuclear

2075

01:34:37,620 --> 01:34:35,210

explosion on Mars is very strong in

2076
01:34:41,729 --> 01:34:37,630
consists of isotopes in the atmosphere a

2077
01:34:45,399 --> 01:34:41,739
big radioactive spot on Mars with

2078
01:34:47,680 --> 01:34:45,409
radiating lines from it and evidence

2079
01:34:51,370 --> 01:34:47,690
from Mars meteorites that they said were

2080
01:34:54,640 --> 01:34:51,380
subjected to a very powerful neutron

2081
01:34:56,320 --> 01:34:54,650
radiation at some point in their their

2082
01:34:58,720 --> 01:34:56,330
existence before they were ejected and

2083
01:35:00,669 --> 01:34:58,730
sent to earth so we have very strong

2084
01:35:04,260 --> 01:35:00,679
evidence for the nuclear catastrophe

2085
01:35:06,790 --> 01:35:04,270
nuclear explosion what we don't have is

2086
01:35:09,160 --> 01:35:06,800
something that can explain the facts

2087
01:35:11,290 --> 01:35:09,170
that we see we have a very fine

2088
01:35:13,330 --> 01:35:11,300

hypothesis natural nuclear reactor on

2089

01:35:15,729 --> 01:35:13,340

Mars that happened on earth we could

2090

01:35:17,350 --> 01:35:15,739

happen on earth on Mars however that

2091

01:35:20,709 --> 01:35:17,360

would have left a big crater and there's

2092

01:35:23,530 --> 01:35:20,719

no crater so we're kind of left with a

2093

01:35:27,669 --> 01:35:23,540

big question mark we have you know an

2094

01:35:30,040 --> 01:35:27,679

idea that's kind of natural it fits

2095

01:35:33,490 --> 01:35:30,050

nine out of ten facts but the last

2096

01:35:35,680 --> 01:35:33,500

glaring fact to fact number 10 it

2097

01:35:38,050 --> 01:35:35,690

doesn't fit because it would have left a

2098

01:35:39,879 --> 01:35:38,060

big crater and other scientists have

2099

01:35:41,470 --> 01:35:39,889

talked with me and I well maybe it

2100

01:35:44,590 --> 01:35:41,480

filled in or something like that

2101
01:35:47,020 --> 01:35:44,600
sure maybe we should fly over it was uh

2102
01:35:49,649 --> 01:35:47,030
we'll ground-penetrating radar maybe

2103
01:35:53,020 --> 01:35:49,659
we'll see a very crater from this event

2104
01:35:55,750 --> 01:35:53,030
but it's right now it's a mystery big

2105
01:35:57,669 --> 01:35:55,760
explosion on Mars would have devastated

2106
01:36:00,700 --> 01:35:57,679
the planet and we don't know what caused

2107
01:36:03,340 --> 01:36:00,710
it at the same time here you wonder why

2108
01:36:05,200 --> 01:36:03,350
the authorities at NASA don't seem to

2109
01:36:07,390 --> 01:36:05,210
take it seriously enough to push for

2110
01:36:09,310 --> 01:36:07,400
more appropriations right now nobody

2111
01:36:11,109 --> 01:36:09,320
cares to fund the space program

2112
01:36:12,310 --> 01:36:11,119
we haven't really seen any action since

2113
01:36:15,490 --> 01:36:12,320

the 1970s

2114

01:36:17,709 --> 01:36:15,500

the Space Shuttle is dying we're hoping

2115

01:36:19,899 --> 01:36:17,719

to have private industry like a Robert

2116

01:36:22,629 --> 01:36:19,909

Bigelow or the guy who founded PayPal

2117

01:36:25,689 --> 01:36:22,639

make up the difference or contract with

2118

01:36:27,819 --> 01:36:25,699

the Russians to do it so right now I

2119

01:36:30,189 --> 01:36:27,829

don't think any of us will be living at

2120

01:36:33,069 --> 01:36:30,199

the time we go back to Mars and if we

2121

01:36:36,430 --> 01:36:33,079

ever send a manned probe it's gonna be

2122

01:36:37,300 --> 01:36:36,440

wait after that actually I don't think

2123

01:36:39,910 --> 01:36:37,310

that's true

2124

01:36:41,620 --> 01:36:39,920

I think we're gonna be on Mars people

2125

01:36:43,780 --> 01:36:41,630

say we wouldn't have an african-american

2126
01:36:47,050 --> 01:36:43,790
US president for another hundred years

2127
01:36:50,819 --> 01:36:47,060
and now we got one and things have

2128
01:36:54,220 --> 01:36:50,829
speeded up and I think we'll be on Mars

2129
01:36:56,770 --> 01:36:54,230
far more quickly within a generation I

2130
01:36:58,899 --> 01:36:56,780
think we'll have humans on Mars and part

2131
01:37:02,500 --> 01:36:58,909
of the reason is because of this big

2132
01:37:04,750 --> 01:37:02,510
nuclear explosion we we would like to go

2133
01:37:06,399 --> 01:37:04,760
to Mars that's kind of what you would

2134
01:37:08,200 --> 01:37:06,409
say

2135
01:37:10,000 --> 01:37:08,210
we were thinking am I going to Mars and

2136
01:37:12,819 --> 01:37:10,010
we decided maybe we could go to Mars

2137
01:37:16,060 --> 01:37:12,829
now we have to go to Mars our own

2138
01:37:17,229 --> 01:37:16,070

survival as a species may depend on what

2139

01:37:20,439 --> 01:37:17,239

we find on Mars

2140

01:37:24,790 --> 01:37:20,449

if giant nuclear explosions can happen

2141

01:37:27,250 --> 01:37:24,800

on planets we would like to know exactly

2142

01:37:29,830 --> 01:37:27,260

the circumstances of that to make sure

2143

01:37:34,180 --> 01:37:29,840

it doesn't happen here let's say and

2144

01:37:36,550 --> 01:37:34,190

that that covers all the bases why don't

2145

01:37:39,580 --> 01:37:36,560

we go up to Mars and find out what

2146

01:37:42,629 --> 01:37:39,590

caused this big explosion for certain

2147

01:37:46,689 --> 01:37:42,639

not just a hypothesis for certain and

2148

01:37:50,770 --> 01:37:46,699

then basically find out whether it can

2149

01:37:54,910 --> 01:37:50,780

happen here if governor Tarkin is still

2150

01:37:57,939 --> 01:37:54,920

roaming the galaxy with his problem John

2151
01:37:59,919 --> 01:37:57,949
is that scientists enough scientists

2152
01:38:01,750 --> 01:37:59,929
have to take this proposition seriously

2153
01:38:04,450 --> 01:38:01,760
oh I think they will

2154
01:38:06,939 --> 01:38:04,460
I'm the scientists who actually who I

2155
01:38:08,979 --> 01:38:06,949
actually could get get their attention

2156
01:38:15,370 --> 01:38:08,989
long enough we need to go through my

2157
01:38:20,200 --> 01:38:15,380
spiel I mean my their reaction was oh my

2158
01:38:23,620 --> 01:38:20,210
god but you realize also that science is

2159
01:38:28,330 --> 01:38:23,630
very conservative and especially Mars

2160
01:38:30,850 --> 01:38:28,340
so but hey the word is getting out I

2161
01:38:33,670 --> 01:38:30,860
wrote a book I'm telling I'm speaking

2162
01:38:35,380 --> 01:38:33,680
the truth as I understand it and I

2163
01:38:38,860 --> 01:38:35,390

believe people will respond I believe

2164

01:38:40,330 --> 01:38:38,870

the public may demand the answers of the

2165

01:38:41,860 --> 01:38:40,340

scientific community and of course the

2166

01:38:45,400 --> 01:38:41,870

scientific community will not be able to

2167

01:38:49,240 --> 01:38:45,410

provide them unless they send a lot of

2168

01:38:51,550 --> 01:38:49,250

Rovers a lot more probes and ultimately

2169

01:38:53,740 --> 01:38:51,560

people geologists especially nuclear

2170

01:38:56,170 --> 01:38:53,750

weapons specialists they have to send

2171

01:39:00,070 --> 01:38:56,180

nuclear weapons specialists to Mars not

2172

01:39:03,430 --> 01:39:00,080

just geologists to basically figure out

2173

01:39:05,590 --> 01:39:03,440

what this was we have another another

2174

01:39:08,740 --> 01:39:05,600

element - that should be mentioned and

2175

01:39:11,470 --> 01:39:08,750

that is Chinese plans for going to the

2176
01:39:13,870 --> 01:39:11,480
moon there may be a way for the Chinese

2177
01:39:15,550 --> 01:39:13,880
to appropriate the moon and sort of not

2178
01:39:19,000 --> 01:39:15,560
let anybody else land there if they're

2179
01:39:21,010 --> 01:39:19,010
able to actually have a you know some

2180
01:39:24,610 --> 01:39:21,020
sort of lasting presence there so that

2181
01:39:28,270 --> 01:39:24,620
would I can't worst accuse the Chinese

2182
01:39:29,950 --> 01:39:28,280
of something like that well I'm just

2183
01:39:31,990 --> 01:39:29,960
going on the conversation that I heard

2184
01:39:34,690 --> 01:39:32,000
Robert Bigelow have on another radio

2185
01:39:41,110 --> 01:39:34,700
show and he brought in tonight without

2186
01:39:43,570 --> 01:39:41,120
to bat you know force the Western powers

2187
01:39:45,940 --> 01:39:43,580
to - a bypass the moon and go to Mars is

2188
01:39:49,540 --> 01:39:45,950

it was what he was suggesting so that

2189

01:39:51,250 --> 01:39:49,550

maybe another political realm dance of

2190

01:39:52,960 --> 01:39:51,260

course you know we didn't go to the moon

2191

01:39:54,310 --> 01:39:52,970

because we wanted to know whether was it

2192

01:39:56,620 --> 01:39:54,320

made out of green cheese or know how we

2193

01:39:58,360 --> 01:39:56,630

went there to beat the Russians and show

2194

01:40:01,090 --> 01:39:58,370

them up big time during the Cold War

2195

01:40:06,580 --> 01:40:01,100

so that basically our NATO allies would

2196

01:40:09,730 --> 01:40:06,590

stick with us and it worked and in fact

2197

01:40:11,650 --> 01:40:09,740

it tremendously cowled the russians

2198

01:40:13,660 --> 01:40:11,660

psychologically when we went to the moon

2199

01:40:15,550 --> 01:40:13,670

and they couldn't do it they're you know

2200

01:40:17,110 --> 01:40:15,560

they're big moon rocket blew up three

2201
01:40:19,290 --> 01:40:17,120
times on the launch pad killed a whole

2202
01:40:24,490 --> 01:40:19,300
bunch of people they were just

2203
01:40:26,560 --> 01:40:24,500
humiliated by all into the moon and in

2204
01:40:28,420 --> 01:40:26,570
fact the closer we got to landing on the

2205
01:40:30,400 --> 01:40:28,430
moon the more they kept repeating oh

2206
01:40:33,190 --> 01:40:30,410
we're not there is no moon race it's all

2207
01:40:37,060 --> 01:40:33,200
in the American imagination and secretly

2208
01:40:39,640 --> 01:40:37,070
they were they had their cosmonauts

2209
01:40:43,359 --> 01:40:39,650
ready to launch to the moon using

2210
01:40:44,740 --> 01:40:43,369
completely untested stuff it was almost

2211
01:40:47,770 --> 01:40:44,750
a suicide mission

2212
01:40:49,720 --> 01:40:47,780
and their moon rocket blew up on the pad

2213
01:40:52,779 --> 01:40:49,730

carrying the moon lander and everything

2214

01:40:55,299 --> 01:40:52,789

like and their moon capsule and so they

2215

01:40:57,430 --> 01:40:55,309

scrubbed the mission they actually had

2216

01:40:59,859 --> 01:40:57,440

two astronauts sitting in another rocket

2217

01:41:01,120 --> 01:40:59,869

ready to join the big package in orbit

2218

01:41:02,439 --> 01:41:01,130

and then go off to the moon and they

2219

01:41:06,879 --> 01:41:02,449

were gonna try and beat us there by a

2220

01:41:11,109 --> 01:41:06,889

week and that's you know the James Oberg

2221

01:41:13,540 --> 01:41:11,119

writes about this know that yes oh yeah

2222

01:41:17,049 --> 01:41:13,550

it they were desperate to get to the

2223

01:41:20,379 --> 01:41:17,059

moon ahead of us and they ignored all

2224

01:41:24,640 --> 01:41:20,389

safety concerns finally and the result

2225

01:41:25,959 --> 01:41:24,650

was they they just couldn't do it and it

2226

01:41:27,700 --> 01:41:25,969

was a major turning point in the Cold

2227

01:41:29,890 --> 01:41:27,710

War in fact the Russians then said to

2228

01:41:32,470 --> 01:41:29,900

themselves and the Kremlin they said

2229

01:41:33,819 --> 01:41:32,480

don't get the Americans excited it once

2230

01:41:36,609 --> 01:41:33,829

you get the Americans are inherently

2231

01:41:38,350 --> 01:41:36,619

disorganized but once you get their mind

2232

01:41:41,350 --> 01:41:38,360

focused on something they can do amazing

2233

01:41:45,040 --> 01:41:41,360

things but don't don't get them excited

2234

01:41:47,049 --> 01:41:45,050

don't let their minds focus and you know

2235

01:41:49,720 --> 01:41:47,059

bin Laden should have should have

2236

01:41:52,390 --> 01:41:49,730

studied that well the Chinese have a

2237

01:41:56,109 --> 01:41:52,400

much different motivation I mean he is a

2238

01:41:57,790 --> 01:41:56,119

Liam to I think is helium 3 or 3 is one

2239

01:42:00,490 --> 01:41:57,800

of the things that they'd be going after

2240

01:42:03,850 --> 01:42:00,500

all so you know the by the way helium 3

2241

01:42:06,250 --> 01:42:03,860

is not so much a fusion resource as a

2242

01:42:08,100 --> 01:42:06,260

military fusion resource because once

2243

01:42:14,069 --> 01:42:08,110

you have helium-3 reactors

2244

01:42:17,890 --> 01:42:14,079

you can bake very powerful ships and

2245

01:42:19,620 --> 01:42:17,900

spaceships ocean ships submarines that

2246

01:42:22,330 --> 01:42:19,630

don't require any nuclear shielding

2247

01:42:26,500 --> 01:42:22,340

because the helium-3 burns can burn

2248

01:42:29,500 --> 01:42:26,510

create nuclear energy without heavy

2249

01:42:33,609 --> 01:42:29,510

shielding you can sit right next to the

2250

01:42:35,500 --> 01:42:33,619

fusion reactor and it does the magnetic

2251

01:42:40,870 --> 01:42:35,510

field that holds the plasma in there

2252

01:42:43,479 --> 01:42:40,880

that's the shielding Wow that is that is

2253

01:42:45,430 --> 01:42:43,489

what I studied in great was controlled

2254

01:42:47,799 --> 01:42:45,440

nuclear fusion and we always wanted

2255

01:42:49,340 --> 01:42:47,809

helium-3 well we found out there was

2256

01:42:52,640 --> 01:42:49,350

always helium-3 on the moon

2257

01:42:56,930 --> 01:42:52,650

I literally got down on my knees and

2258

01:42:59,270 --> 01:42:56,940

thank God that we found us because all

2259

01:43:01,460 --> 01:42:59,280

during my grad school they said helium-3

2260

01:43:03,650 --> 01:43:01,470

is the ideal fuel for fusion except

2261

01:43:06,110 --> 01:43:03,660

there isn't enough of it we can't find

2262

01:43:09,940 --> 01:43:06,120

any and then they found it on the moon

2263

01:43:14,150 --> 01:43:09,950

and it was it's the mother lode the moon

2264

01:43:18,080 --> 01:43:14,160

okay what about Mars as Mars have it

2265

01:43:20,060 --> 01:43:18,090

oh yes Mars has some helium-3 in fact it

2266

01:43:22,150 --> 01:43:20,070

has more than you can probably strain

2267

01:43:25,160 --> 01:43:22,160

helium-3 out of the Mars atmosphere

2268

01:43:26,840 --> 01:43:25,170

pretty efficiently because Mars doesn't

2269

01:43:30,380 --> 01:43:26,850

have a magnetic field so with the solar

2270

01:43:32,930 --> 01:43:30,390

wind kind of strikes Mars and the solar

2271

01:43:34,910 --> 01:43:32,940

wind is full of helium-3 and it

2272

01:43:36,580 --> 01:43:34,920

basically then that's why the moon has

2273

01:43:40,070 --> 01:43:36,590

so much helium-3 it's solar wind

2274

01:43:41,690 --> 01:43:40,080

particles striking the lunar surface and

2275

01:43:44,390 --> 01:43:41,700

then sticking the particles get

2276

01:43:47,540 --> 01:43:44,400

implanted in the dust screens I still

2277

01:43:50,960 --> 01:43:47,550

feel on earth John we want to go to the

2278

01:43:55,490 --> 01:43:50,970

Moon and Mars to get helium-3 oh yes

2279

01:43:56,900 --> 01:43:55,500

well there's the best way to use nuclear

2280

01:44:00,620 --> 01:43:56,910

power on earth

2281

01:44:02,660 --> 01:44:00,630

I've decided as a fusion guy is you have

2282

01:44:06,470 --> 01:44:02,670

a what's called a hyper nuclear reactor

2283

01:44:10,310 --> 01:44:06,480

you do a fusion core but then you have a

2284

01:44:12,620 --> 01:44:10,320

kind of nuclear rhenium shell around it

2285

01:44:14,240 --> 01:44:12,630

and it turns out when you do it this way

2286

01:44:17,450 --> 01:44:14,250

it burns up all the nuclear waste

2287

01:44:19,970 --> 01:44:17,460

well that's pure waste but we're gonna

2288

01:44:21,530 --> 01:44:19,980

have another kind of waste here some

2289

01:44:23,510 --> 01:44:21,540

kind of waste management we have to do

2290

01:44:25,880 --> 01:44:23,520

if we don't do this break we have

2291

01:44:28,280 --> 01:44:25,890

absolutely John Brandenburg the co-host

2292

01:44:36,940 --> 01:44:28,290

is Chris O'Brien I'm gene Steinberg

2293

01:44:42,000 --> 01:44:39,320

[Music]

2294

01:44:43,950 --> 01:44:42,010

hi this is Ted Anderson if you own an

2295

01:44:46,230 --> 01:44:43,960

Apple iPhone and love to listen to your

2296

01:44:48,000 --> 01:44:46,240

favorite programs on GCM I've got good

2297

01:44:50,340 --> 01:44:48,010

news for you I'm proud to announce that

2298

01:44:52,950 --> 01:44:50,350

GCN has a brand new iPhone app available

2299

01:44:54,840 --> 01:44:52,960

for our dedicated listeners at GC and

2300

01:44:56,940 --> 01:44:54,850

live.com listen to your favorite

2301
01:44:59,040 --> 01:44:56,950
hard-hitting GCN programs live or

2302
01:45:01,260 --> 01:44:59,050
on-demand right on your iPhone and the

2303
01:45:03,660 --> 01:45:01,270
best part the juicy an iPhone app can be

2304
01:45:05,460 --> 01:45:03,670
yours absolutely free download the

2305
01:45:07,950 --> 01:45:05,470
iPhone app today by clicking on the

2306
01:45:10,800 --> 01:45:07,960
banner at GC and live.com again that's

2307
01:45:12,210 --> 01:45:10,810
GCM live.com hi this is Ted Anderson

2308
01:45:14,040 --> 01:45:12,220
have you ever wondered why banks

2309
01:45:15,810 --> 01:45:14,050
stockbrokers investment advisors won't

2310
01:45:18,180 --> 01:45:15,820
talk about gold IRAs they've been

2311
01:45:19,890 --> 01:45:18,190
available since 1986 yet the financial

2312
01:45:21,570 --> 01:45:19,900
industry won't recognize the value of

2313
01:45:23,520 --> 01:45:21,580

gold free retirement goal has

2314

01:45:25,440 --> 01:45:23,530

outperformed paper investments yet no

2315

01:45:38,120 --> 01:45:25,450

word about IRAs if you would like to

2316

01:45:38,130 --> 01:45:55,510

806-853-9949

2317

01:46:04,700 --> 01:46:02,180

we have speaking of helium has inhaled

2318

01:46:06,500 --> 01:46:04,710

far too much helium as a matter of fact

2319

01:46:11,270 --> 01:46:06,510

he's going to audition for the next

2320

01:46:13,520 --> 01:46:11,280

movie about the Chipmunks dr. John

2321

01:46:15,710 --> 01:46:13,530

Brandenburg joins us I'm gene Steinberg

2322

01:46:18,410 --> 01:46:15,720

you're in the para Cass Chris let's

2323

01:46:20,990 --> 01:46:18,420

explore more of the mysteries and the

2324

01:46:27,140 --> 01:46:21,000

majesty of Mars and why we need to get

2325

01:46:29,210 --> 01:46:27,150

there yesterday okay the Helius don't

2326

01:46:33,320 --> 01:46:29,220

make imitations your day job don't give

2327

01:46:34,910 --> 01:46:33,330

up your day job I promise ya I won't

2328

01:46:37,910 --> 01:46:34,920

give it up the reason why I brought it

2329

01:46:40,760 --> 01:46:37,920

up is because you know with gene your

2330

01:46:42,590 --> 01:46:40,770

comment about the the appropriations you

2331

01:46:44,900 --> 01:46:42,600

know dwindling off we we're seeing the

2332

01:46:48,890 --> 01:46:44,910

last of the of the space shuttle flights

2333

01:46:52,010 --> 01:46:48,900

I think coming up here and it seems like

2334

01:46:54,050 --> 01:46:52,020

we have really taken a backseat to to

2335

01:46:56,390 --> 01:46:54,060

space exploration to a certainty manned

2336

01:46:59,780 --> 01:46:56,400

space exploration and the Chinese do

2337

01:47:03,500 --> 01:46:59,790

have pretty extensive plans to go to the

2338

01:47:05,240 --> 01:47:03,510

moon and and as Bigelow pointed out in

2339

01:47:07,660 --> 01:47:05,250

this interview that I heard with him uh

2340

01:47:10,670 --> 01:47:07,670

he rarely does interviews and of course

2341

01:47:13,670 --> 01:47:10,680

you know being having his own aerospace

2342

01:47:16,070 --> 01:47:13,680

company and he's I think talking with

2343

01:47:17,750 --> 01:47:16,080

NASA about helping them you know shore

2344

01:47:19,670 --> 01:47:17,760

up and expand the International Space

2345

01:47:22,610 --> 01:47:19,680

Station with his his the inflatable

2346

01:47:24,710 --> 01:47:22,620

modules that has been testing he's the

2347

01:47:26,510 --> 01:47:24,720

only person private individual he's like

2348

01:47:34,450 --> 01:47:26,520

Goldfinger he's got two satellites up

2349

01:47:40,910 --> 01:47:37,400

there we go so so I went when someone

2350

01:47:43,070 --> 01:47:40,920

like this talks which is publicly I tend

2351

01:47:45,140 --> 01:47:43,080

to to listen carefully and one of the

2352

01:47:48,170 --> 01:47:45,150

things that he mentioned was the the

2353

01:47:50,300 --> 01:47:48,180

legality of actually having a lasting

2354

01:47:52,760 --> 01:47:50,310

presence on the moon which would almost

2355

01:47:54,830 --> 01:47:52,770

be like an Xing or whatever that word is

2356

01:47:56,360 --> 01:47:54,840

the moon and and there would be some

2357

01:47:59,110 --> 01:47:56,370

question of whether they could actually

2358

01:48:02,330 --> 01:47:59,120

grant permission or not for other

2359

01:48:04,040 --> 01:48:02,340

countries to actually go there so his

2360

01:48:06,150 --> 01:48:04,050

point with this whole conversation was

2361

01:48:09,720 --> 01:48:06,160

if they're able to annex the

2362

01:48:11,070 --> 01:48:09,730

in some way shape or form then the next

2363

01:48:15,990 --> 01:48:11,080

logical step for the Western powers

2364

01:48:19,080 --> 01:48:16,000

would be to go to Mars and no mr.

2365

01:48:23,820 --> 01:48:19,090

Bigelow is a very smart guy in a very

2366

01:48:26,100 --> 01:48:23,830

farsighted guy and by the way you know I

2367

01:48:27,330 --> 01:48:26,110

shouldn't compare him to the guy in

2368

01:48:29,850 --> 01:48:27,340

Moonraker

2369

01:48:33,450 --> 01:48:29,860

he's got far more imagination for one

2370

01:48:36,420 --> 01:48:33,460

thing mr. Bigelow wants to get us make

2371

01:48:40,140 --> 01:48:36,430

us spacefaring and he's investing his

2372

01:48:42,950 --> 01:48:40,150

own money in it he's a visionary and as

2373

01:48:46,340 --> 01:48:42,960

it turns out the Chinese cannot legally

2374

01:48:49,350 --> 01:48:46,350

appropriate the moon because of a

2375

01:48:51,210 --> 01:48:49,360

little-known treaty called with that the

2376

01:48:53,160 --> 01:48:51,220

United States sign sort of the Russians

2377

01:48:56,460 --> 01:48:53,170

so have the Chinese called the Outer

2378

01:49:00,000 --> 01:48:56,470

Space Treaty of 1967 it's a very

2379

01:49:02,910 --> 01:49:00,010

important tree that treaty says that no

2380

01:49:05,250 --> 01:49:02,920

earthly nation can claim any heavenly

2381

01:49:09,450 --> 01:49:05,260

bodies or regions of space as their own

2382

01:49:11,580 --> 01:49:09,460

territory and it was meant to head off a

2383

01:49:13,950 --> 01:49:11,590

nuclear war over the moon during the

2384

01:49:16,890 --> 01:49:13,960

Apollo era well if the Russians the

2385

01:49:19,530 --> 01:49:16,900

United States said okay we're a race for

2386

01:49:24,060 --> 01:49:19,540

the moon by the time the Russians were

2387

01:49:25,860 --> 01:49:24,070

obviously losing the race they said you

2388

01:49:29,250 --> 01:49:25,870

can't claim you can't make the moon the

2389

01:49:31,200 --> 01:49:29,260

51st state right and the Americans said

2390

01:49:33,810 --> 01:49:31,210

yeah we're not going to make it the 51st

2391

01:49:36,870 --> 01:49:33,820

state and we can't do that about Mars

2392

01:49:38,880 --> 01:49:36,880

either we've the treaty by the way is

2393

01:49:40,230 --> 01:49:38,890

very important because it says that if

2394

01:49:42,750 --> 01:49:40,240

that's one cause of the treating the

2395

01:49:45,450 --> 01:49:42,760

other Clause is you can't have nuclear

2396

01:49:48,420 --> 01:49:45,460

weapons in space and everyone agrees

2397

01:49:53,160 --> 01:49:48,430

that that is a really good thing to have

2398

01:49:55,050 --> 01:49:53,170

an agreement on because John do you

2399

01:50:06,210 --> 01:49:55,060

believe that there's no nuclear weapons

2400

01:50:08,310 --> 01:50:06,220

in space well not many of them we did

2401
01:50:10,590 --> 01:50:08,320
with the Native Americans and you know

2402
01:50:13,260 --> 01:50:10,600
look I think of 6070 treaties that have

2403
01:50:15,510 --> 01:50:13,270
been totally blown apart you know I

2404
01:50:18,780 --> 01:50:15,520
think what Bigelow was no country no

2405
01:50:19,960 --> 01:50:18,790
country follows a treaty when it decides

2406
01:50:24,490 --> 01:50:19,970
is no longer that's

2407
01:50:26,050 --> 01:50:24,500
Pender's to follow exactly you know who

2408
01:50:30,490 --> 01:50:26,060
are you comparing the United States with

2409
01:50:32,500 --> 01:50:30,500
the French well well I mean possession

2410
01:50:34,690 --> 01:50:32,510
is nine-tenths of the laws they say and

2411
01:50:38,170 --> 01:50:34,700
if the if the Chinese are able to create

2412
01:50:40,030 --> 01:50:38,180
a a revolving series of missions to the

2413
01:50:42,880 --> 01:50:40,040

moon and have some sort of presence

2414

01:50:44,950 --> 01:50:42,890

there and actually attempt to begin

2415

01:50:46,600 --> 01:50:44,960

exploiting the natural resources that

2416

01:50:48,730 --> 01:50:46,610

are found there like helium-3 as we were

2417

01:50:51,550 --> 01:50:48,740

talking about it'll be very difficult to

2418

01:50:55,000 --> 01:50:51,560

the u.s. to I was at a place by the way

2419

01:50:59,980 --> 01:50:55,010

where they'd burn helium-3 and generated

2420

01:51:04,360 --> 01:50:59,990

a hundred hundred kilowatts a pure

2421

01:51:08,050 --> 01:51:04,370

fusion power using that's enough to run

2422

01:51:09,850 --> 01:51:08,060

100 microwave ovens to light a hundred

2423

01:51:13,540 --> 01:51:09,860

houses and they generated with pure

2424

01:51:16,630 --> 01:51:13,550

helium-3 no radiation well in fact they

2425

01:51:18,850 --> 01:51:16,640

had it was so clean they could send the

2426
01:51:20,500 --> 01:51:18,860
technicians into the chamber right after

2427
01:51:23,170 --> 01:51:20,510
they'd run because it doesn't produce

2428
01:51:26,710 --> 01:51:23,180
any radioactivity that was done in

2429
01:51:29,890 --> 01:51:26,720
Britain at the jet tokamak and I just

2430
01:51:31,990 --> 01:51:29,900
happened to be visiting the day after

2431
01:51:34,600 --> 01:51:32,000
they'd done it they they kind of did

2432
01:51:36,190 --> 01:51:34,610
that experiment as kind of a end of an

2433
01:51:37,270 --> 01:51:36,200
experience a set of experiments they've

2434
01:51:39,760 --> 01:51:37,280
been doing and it was the last

2435
01:51:41,830 --> 01:51:39,770
experiment because they knew that it was

2436
01:51:43,780 --> 01:51:41,840
so safe that they could just shut it

2437
01:51:46,780 --> 01:51:43,790
down and do some maintenance on the

2438
01:51:49,450 --> 01:51:46,790

experiment afterwards so it can be done

2439

01:51:55,240 --> 01:51:49,460

and all you need is a lot of helium-3

2440

01:51:59,650 --> 01:51:55,250

and would that be difficult it

2441

01:52:04,180 --> 01:51:59,660

technically to obtain you know three on

2442

01:52:08,140 --> 01:52:04,190

earth when the curious tritium is a

2443

01:52:10,360 --> 01:52:08,150

radioactive form of hydrogen and every

2444

01:52:14,970 --> 01:52:10,370

12 years half of it turns into helium-3

2445

01:52:19,170 --> 01:52:14,980

and they use that in nuclear weapons so

2446

01:52:21,220 --> 01:52:19,180

we actually have a lot of helium-3 I

2447

01:52:23,980 --> 01:52:21,230

asked the fellow at a conference

2448

01:52:25,870 --> 01:52:23,990

somebody who was I was saying in a

2449

01:52:28,450 --> 01:52:25,880

conference oh we don't have enough

2450

01:52:30,130 --> 01:52:28,460

helium-3 to do this and somebody pulled

2451

01:52:32,290 --> 01:52:30,140

me aside after the talk and said

2452

01:52:32,689 --> 01:52:32,300

actually we have lots of helium-3 and I

2453

01:52:34,790 --> 01:52:32,699

said how

2454

01:52:36,080 --> 01:52:34,800

much he said if I told you how much then

2455

01:52:42,229 --> 01:52:36,090

you could tell how many nuclear weapons

2456

01:52:45,469 --> 01:52:42,239

we had so we actually have the uncle

2457

01:52:48,609 --> 01:52:45,479

Sammy has squirreled away several tons

2458

01:52:51,919 --> 01:52:48,619

of helium-3 is it turns out for very

2459

01:52:55,310 --> 01:52:51,929

rainy day what's that all right so how

2460

01:52:57,649 --> 01:52:55,320

do you know this John oh I'm not in a

2461

01:53:00,020 --> 01:52:57,659

wink from this guy okay

2462

01:53:01,910 --> 01:53:00,030

and I knew the guy is a kind of part of

2463

01:53:04,100 --> 01:53:01,920

the nuclear weapons establishment he's

2464

01:53:08,270 --> 01:53:04,110

somebody you trust to provide honest

2465

01:53:10,669 --> 01:53:08,280

information well yes yes I it well it

2466

01:53:12,890 --> 01:53:10,679

and it was basically a nod and a wink I

2467

01:53:16,989 --> 01:53:12,900

said hey you know see how much do we

2468

01:53:21,259 --> 01:53:16,999

have and he says I can't tell you that

2469

01:53:25,310 --> 01:53:21,269

and I basically started I said well we

2470

01:53:30,699 --> 01:53:25,320

have you know so much and he kind of not

2471

01:53:38,089 --> 01:53:34,189

you played the nod and the wink game

2472

01:53:40,699 --> 01:53:38,099

which is winkin blinkin a not a wink at

2473

01:53:42,319 --> 01:53:40,709

the same time meaning yes I'm agreeing

2474

01:53:44,149 --> 01:53:42,329

with you but there's probably more I'd

2475

01:53:47,600 --> 01:53:44,159

like to tell you but what I can't tell

2476

01:53:49,910 --> 01:53:47,610

you you know when you when you're

2477

01:53:54,350 --> 01:53:49,920

talking to people in the classify

2478

01:53:58,430 --> 01:53:54,360

community you know there are certain

2479

01:54:01,129 --> 01:53:58,440

protocols you you follow and it's almost

2480

01:54:04,669 --> 01:54:01,139

like a reporter asking you know for a

2481

01:54:06,620 --> 01:54:04,679

story on deep background sort of but

2482

01:54:12,890 --> 01:54:06,630

anyway we do have a large amount of

2483

01:54:14,540 --> 01:54:12,900

helium-3 and we I don't know how much we

2484

01:54:17,060 --> 01:54:14,550

have certainly enough to do a lot of

2485

01:54:18,859 --> 01:54:17,070

icky liam three fusion experiments by

2486

01:54:21,709 --> 01:54:18,869

the way we can get all the helium-3 we

2487

01:54:24,229 --> 01:54:21,719

want by making radioactive hydrogen

2488

01:54:27,469 --> 01:54:24,239

called tritium and letting it decay in a

2489

01:54:33,879 --> 01:54:27,479

big task you basically just fill a tank

2490

01:54:42,709 --> 01:54:39,620

every year or so you tap off part of

2491

01:54:45,500 --> 01:54:42,719

it and clean out the helium-3 because

2492

01:54:46,410 --> 01:54:45,510

it's in 12 years half of it will be

2493

01:54:50,399 --> 01:54:46,420

healing three

2494

01:54:54,570 --> 01:54:50,409

so that's that's one way to eat helium-3

2495

01:54:57,500 --> 01:54:54,580

one okay so why do we have to go to the

2496

01:55:00,209 --> 01:54:57,510

moon if we have this amount here why

2497

01:55:01,350 --> 01:55:00,219

well you don't want to you don't want to

2498

01:55:03,330 --> 01:55:01,360

make healing through that because I mean

2499

01:55:05,669 --> 01:55:03,340

storing a large amounts of radioactive

2500

01:55:07,290 --> 01:55:05,679

stuff and it's just uh it's just a mess

2501
01:55:09,959 --> 01:55:07,300
that's what you do in a national

2502
01:55:13,649 --> 01:55:09,969
emergency if you need helium-3 what you

2503
01:55:16,320 --> 01:55:13,659
do if you are smart is you go to the

2504
01:55:18,330 --> 01:55:16,330
moon and stake out a claim particularly

2505
01:55:21,180 --> 01:55:18,340
at tranquility base which is the first

2506
01:55:23,370 --> 01:55:21,190
place Americans landed and has the

2507
01:55:24,990 --> 01:55:23,380
richest helium-3 as it turns out just by

2508
01:55:27,450 --> 01:55:25,000
asking question about that and we'll

2509
01:55:29,939 --> 01:55:27,460
follow it up we have dr. John

2510
01:55:40,229 --> 01:55:29,949
Brandenburg the coast is Chris O'Brien

2511
01:55:42,060 --> 01:55:40,239
I'm gene Steinberg you're in you expect

2512
01:55:43,859 --> 01:55:42,070
professional service from your doctor

2513
01:55:46,020 --> 01:55:43,869

your accountant and even the girl who

2514

01:55:47,609 --> 01:55:46,030

takes your morning coffee order why not

2515

01:55:50,310 --> 01:55:47,619

from your domain registrar to

2516

01:55:52,919 --> 01:55:50,320

namecheap.com provides stellar service

2517

01:55:54,990 --> 01:55:52,929

with no sneaky upselling we offer more

2518

01:55:56,939 --> 01:55:55,000

features and security options for your

2519

01:55:59,430 --> 01:55:56,949

website then there are ways to order a

2520

01:56:01,410 --> 01:55:59,440

latte and new domains come with a Whois

2521

01:56:02,700 --> 01:56:01,420

guard to protect your personal info and

2522

01:56:04,709 --> 01:56:02,710

namecheap.com

2523

01:56:07,800 --> 01:56:04,719

you can get your domain for as low as

2524

01:56:09,090 --> 01:56:07,810

\$2.99 now is a great time to get to know

2525

01:56:11,939 --> 01:56:09,100

namecheap.com

2526

01:56:14,100 --> 01:56:11,949

for 58 years fate has provided true

2527

01:56:16,410 --> 01:56:14,110

reports of the strange and unknown fate

2528

01:56:18,180 --> 01:56:16,420

brings you the latest in all aspects of

2529

01:56:21,359 --> 01:56:18,190

the paranormal like angels and miracles

2530

01:56:23,370 --> 01:56:21,369

psychic phenomena ghosts UFOs and much

2531

01:56:25,859 --> 01:56:23,380

much more to receive your complimentary

2532

01:56:29,070 --> 01:56:25,869

fate magazine call now at one eight

2533

01:56:32,070 --> 01:56:29,080

hundred seven - eight - seven 300 or

2534

01:56:34,800 --> 01:56:32,080

visit their website at WWF eight mag

2535

01:56:37,290 --> 01:56:34,810

comm that's one eight hundred seven two

2536

01:56:40,379 --> 01:56:37,300

eight two seven three zero what are you

2537

01:56:42,090 --> 01:56:40,389

waiting for your fate awaits gold it's

2538

01:56:43,979 --> 01:56:42,100

like nothing else on earth from the

2539

01:56:46,649 --> 01:56:43,989

Romans through the Renaissance from the

2540

01:56:48,660 --> 01:56:46,659

Industrial Age to the Space Age Gold has

2541

01:56:50,790 --> 01:56:48,670

weathered the test of time for six

2542

01:56:52,709 --> 01:56:50,800

thousand years gold has remained the

2543

01:56:55,159 --> 01:56:52,719

ultimate store of wealth according to

2544

01:56:57,439 --> 01:56:55,169

the World Gold Council in the u.s. mints

2545

01:56:59,779 --> 01:56:57,449

at an all-time high the stage is being

2546

01:57:01,969 --> 01:56:59,789

set for the re-emergence of gold as the

2547

01:57:04,580 --> 01:57:01,979

common sense alternative to a Fiat paper

2548

01:57:06,859 --> 01:57:04,590

currency that gets weaker every day

2549

01:57:08,689 --> 01:57:06,869

Midas Resources is proud to offer the

2550

01:57:10,759 --> 01:57:08,699

hard-hitting report that arms you with a

2551

01:57:12,739 --> 01:57:10,769

truth you need to protect you and your

2552

01:57:14,569 --> 01:57:12,749

family from the feds plans for your

2553

01:57:17,120 --> 01:57:14,579

hard-earned money don't gamble with your

2554

01:57:19,250 --> 01:57:17,130

future call- resources today and asked

2555

01:57:23,750 --> 01:57:19,260

for your free copy of as good as gold

2556

01:57:26,149 --> 01:57:23,760

called 1-866-37 for the report the Fed

2557

01:58:01,159 --> 01:57:26,159

hopes you'll never see as good as gold

2558

01:58:04,879 --> 01:58:02,870

and it was the two cents per gallon

2559

01:58:07,159 --> 01:58:04,889

murky water filters purify both treated

2560

01:58:09,139 --> 01:58:07,169

and untreated water removing dangerous

2561

01:58:11,359 --> 01:58:09,149

chlorine fluoride and other contaminants

2562

01:58:13,520 --> 01:58:11,369

big berkey water filters are powerful

2563

01:58:14,899 --> 01:58:13,530

enough to purify stagnant pond water so

2564

01:58:16,520 --> 01:58:14,909

they're perfect for rainwater collection

2565

01:58:18,560 --> 01:58:16,530

systems and emergency preparedness

2566

01:58:21,589 --> 01:58:18,570

remember big berkey includes free

2567

01:58:23,120 --> 01:58:21,599

shipping on every order over \$50 NGC and

2568

01:58:26,779 --> 01:58:23,130

listeners get five percent off all

2569

01:58:30,979 --> 01:58:26,789

ceramic filter systems visit b.i.g ber k

2570

01:58:33,469 --> 01:58:30,989

ey water filters comm or call 877 99 per

2571

01:58:39,500 --> 01:58:33,479

key that's big berkey water filters calm

2572

01:58:41,179 --> 01:58:39,510

or call today 1 877 99 ber k ey the

2573

01:58:43,790 --> 01:58:41,189

largest part of gaining radiant health

2574

01:58:44,270 --> 01:58:43,800

is detoxification you can drink ionized

2575

01:58:45,830 --> 01:58:44,280

water

2576

01:58:47,479 --> 01:58:45,840

cleanse your intestines eat a perfect

2577

01:58:49,219 --> 01:58:47,489

diet and even take lots of quality

2578

01:58:51,259 --> 01:58:49,229

supplements and in many instances only

2579

01:58:53,330 --> 01:58:51,269

make minimal progress what is the key to

2580

01:58:54,859 --> 01:58:53,340

detoxifying your body of mercury heavy

2581

01:58:57,439 --> 01:58:54,869

metals chemicals and drugs

2582

01:58:59,449 --> 01:58:57,449

it is glutathione glutathione is the

2583

01:59:00,500 --> 01:58:59,459

master antioxidant used to detoxify your

2584

01:59:02,659 --> 01:59:00,510

entire body

2585

01:59:04,189 --> 01:59:02,669

it stops free radicals keep sales young

2586

01:59:06,770 --> 01:59:04,199

and reduces inflammation

2587

01:59:07,439 --> 01:59:06,780

OneWorld whey protein powder may be able

2588

01:59:09,719 --> 01:59:07,449

to raise your

2589

01:59:11,879 --> 01:59:09,729

to phone production by 64 percent or

2590

01:59:13,799 --> 01:59:11,889

more one world way is more effective

2591

01:59:16,290 --> 01:59:13,809

than any other way protein powder on the

2592

01:59:18,959 --> 01:59:16,300

market because it is unheated and from

2593

01:59:21,120 --> 01:59:18,969

grass-fed cows all other quote cold

2594

01:59:23,580 --> 01:59:21,130

processed whey protein powders have been

2595

01:59:25,589 --> 01:59:23,590

heated and damaged by 15 percent or more

2596

01:59:27,660 --> 01:59:25,599

one world way comes in three delicious

2597

01:59:29,640 --> 01:59:27,670

flavors call eight eight eight nine

2598

01:59:31,379 --> 01:59:29,650

eight eight three three to five that's

2599

01:59:34,469 --> 01:59:31,389

eight eight eight nine eight eight three

2600

01:59:40,319 --> 01:59:34,479

three to five or visit one world wacom

2601
01:59:42,719 --> 01:59:40,329
that's one world whe why.com the gzn

2602
01:59:46,979 --> 01:59:42,729
radio network providing the world with

2603
01:59:52,159 --> 01:59:46,989
hard-hitting talk radio G C and gray

2604
01:59:56,689 --> 01:59:54,859
we want to hear from you if you have a

2605
02:00:00,229 --> 01:59:56,699
comment or question about the pair cast

2606
02:00:03,949 --> 02:00:00,239
send it to news at the para cast com

2607
02:00:05,600 --> 02:00:03,959
that's news at the para cast calm and

2608
02:00:08,330 --> 02:00:05,610
don't forget to visit our famous pair

2609
02:00:10,909 --> 02:00:08,340
cast community forums at forum dot the

2610
02:00:16,359 --> 02:00:10,919
para cast comm getting in on all the

2611
02:00:19,759 --> 02:00:16,369
action at forum dot the para cast comm

2612
02:00:22,129 --> 02:00:19,769
we are on the lookout for helium-3 but I

2613
02:00:24,500 --> 02:00:22,139

think Chris is inhaled our entire supply

2614

02:00:29,600 --> 02:00:24,510

on this planet that's what we have to go

2615

02:00:31,790 --> 02:00:29,610

to the moon Berg joins us on the para

2616

02:00:34,459 --> 02:00:31,800

cast I'm gene Steinberg so the big

2617

02:00:37,279 --> 02:00:34,469

question here is what kind of resources

2618

02:00:39,830 --> 02:00:37,289

does it take to get us to the moon and

2619

02:00:43,069 --> 02:00:39,840

to be able to bring back enough helium-3

2620

02:00:44,419 --> 02:00:43,079

what's it gonna cost what's the basic

2621

02:00:47,029 --> 02:00:44,429

well what is the return on our

2622

02:00:49,399 --> 02:00:47,039

investment the ROI as they say in the ad

2623

02:00:52,009 --> 02:00:49,409

business well as I said people have

2624

02:00:56,120 --> 02:00:52,019

burned helium-3 in the tokamak type

2625

02:00:57,679 --> 02:00:56,130

devices and it burned nicely now they

2626

02:00:59,839 --> 02:00:57,689

didn't burn them enough of it to

2627

02:01:01,909 --> 02:00:59,849

actually make power that's kind of a

2628

02:01:06,949 --> 02:01:01,919

science fiction exercise I wrote a book

2629

02:01:09,500 --> 02:01:06,959

called 2012 asteroid 2012 suppo Luna and

2630

02:01:13,069 --> 02:01:09,510

in that they one of those subplots is

2631

02:01:16,489 --> 02:01:13,079

they actually make helium-3 work and a

2632

02:01:19,520 --> 02:01:16,499

tokamak and it immediately changes the

2633

02:01:21,799 --> 02:01:19,530

entire energy situation on earth it just

2634

02:01:24,049 --> 02:01:21,809

goes through the the world's economy

2635

02:01:26,120 --> 02:01:24,059

like a shock wave that's not what they

2636

02:01:27,529 --> 02:01:26,130

intend either but it doesn't suddenly

2637

02:01:30,469 --> 02:01:27,539

all the oil on the ground the Middle

2638

02:01:33,799 --> 02:01:30,479

East is worth much less because they

2639

02:01:36,409 --> 02:01:33,809

have helium-3 would we be desperate

2640

02:01:38,179 --> 02:01:36,419

though to want to put a stop to our

2641

02:01:41,629 --> 02:01:38,189

dependence on the Middle East look how

2642

02:01:44,029 --> 02:01:41,639

unstable it is I mean we said we're

2643

02:01:46,189 --> 02:01:44,039

going to take helium-3 we're going to

2644

02:01:48,020 --> 02:01:46,199

exploit it we're gonna find out how it

2645

02:01:50,359 --> 02:01:48,030

could serve our interests I think the

2646

02:01:53,270 --> 02:01:50,369

price of oil would go down like 40 times

2647

02:01:56,389 --> 02:01:53,280

overnight imagine dealing with somebody

2648

02:02:00,589 --> 02:01:56,399

who's supplying you like something you

2649

02:02:02,929 --> 02:02:00,599

need like wheat and you know every week

2650

02:02:05,450 --> 02:02:02,939

there's a crisis they can't get along

2651
02:02:07,490 --> 02:02:05,460
the family that runs this business can

2652
02:02:10,430 --> 02:02:07,500
along with each other you know there

2653
02:02:11,990 --> 02:02:10,440
there you know and so the the so you're

2654
02:02:14,840 --> 02:02:12,000
dependent on them and yet they're

2655
02:02:16,790 --> 02:02:14,850
constantly threatening to suspend their

2656
02:02:18,140 --> 02:02:16,800
supplies or their supplies are

2657
02:02:20,810 --> 02:02:18,150
constantly in danger because they can't

2658
02:02:24,229 --> 02:02:20,820
get along with each other it's just this

2659
02:02:27,530 --> 02:02:24,239
is just maddening no intelligent country

2660
02:02:30,500 --> 02:02:27,540
would continue to depend on completely

2661
02:02:33,920 --> 02:02:30,510
unreliable people to supply them with

2662
02:02:35,600 --> 02:02:33,930
stuff I mean the the people in the

2663
02:02:40,910 --> 02:02:35,610

Middle East need to get their act

2664

02:02:43,760 --> 02:02:40,920

together I'm speaking politely and we

2665

02:02:46,190 --> 02:02:43,770

cannot depend on them for oil anymore

2666

02:02:49,459 --> 02:02:46,200

all right by the time this airs gas

2667

02:02:51,170 --> 02:02:49,469

maybe \$5 a gallon every time a camel

2668

02:02:52,820 --> 02:02:51,180

sneezes in the Middle East now they

2669

02:02:54,920 --> 02:02:52,830

raise the price of oil I mean there's

2670

02:02:56,450 --> 02:02:54,930

another there's some other actors in

2671

02:03:00,140 --> 02:02:56,460

this who are in the Middle East

2672

02:03:01,850 --> 02:03:00,150

whom I think should be investigated or

2673

02:03:03,979 --> 02:03:01,860

something because they're they're taking

2674

02:03:06,410 --> 02:03:03,989

advantage of this to raise the price of

2675

02:03:08,690 --> 02:03:06,420

oil anytime there's a demonstration or

2676

02:03:10,940 --> 02:03:08,700

or a Qadhafi bombs one of his own

2677

02:03:14,900 --> 02:03:10,950

refineries or something like this we

2678

02:03:18,440 --> 02:03:14,910

nicely call them oil speculators yes

2679

02:03:23,450 --> 02:03:18,450

there are the speculators are just this

2680

02:03:27,410 --> 02:03:23,460

is a a dream come true for speculators

2681

02:03:31,100 --> 02:03:27,420

in commodities like this endless turmoil

2682

02:03:35,540 --> 02:03:31,110

and I know intelligent culture would

2683

02:03:37,580 --> 02:03:35,550

depend on this kind of reason would be

2684

02:03:42,520 --> 02:03:37,590

held hostage by this kind of resource I

2685

02:03:46,250 --> 02:03:42,530

do not know well we're trying to form

2686

02:03:49,610 --> 02:03:46,260

you know I mean this administration to

2687

02:03:51,680 --> 02:03:49,620

its credit is trying to get us to go to

2688

02:03:55,760 --> 02:03:51,690

green fuels and stuff like this so we

2689

02:03:57,440 --> 02:03:55,770

can lessen our dependence and well yeah

2690

02:03:59,180 --> 02:03:57,450

and well you know maybe we shouldn't get

2691

02:04:00,620 --> 02:03:59,190

into the drill baby drill thing here

2692

02:04:06,920 --> 02:04:00,630

because let's go back to the mysteries

2693

02:04:08,750 --> 02:04:06,930

of Mars now too deep and they set off a

2694

02:04:10,760 --> 02:04:08,760

nuclear explosion right and the other

2695

02:04:12,380 --> 02:04:10,770

problem of course is that you know the

2696

02:04:14,360 --> 02:04:12,390

drilling reminds me of what I have to do

2697

02:04:16,670 --> 02:04:14,370

with my teeth right now I don't want to

2698

02:04:17,930 --> 02:04:16,680

think about it and I think Bryce would

2699

02:04:18,950 --> 02:04:17,940

agree with me all right seriously

2700

02:04:21,260 --> 02:04:18,960

speaking

2701

02:04:23,840 --> 02:04:21,270

let's look at some of the other aspects

2702

02:04:26,209 --> 02:04:23,850

of this all right so we have Mars it

2703

02:04:28,100 --> 02:04:26,219

would be really glorious to get back

2704

02:04:30,580 --> 02:04:28,110

there maybe Robert Bigelow could fund

2705

02:04:33,800 --> 02:04:30,590

the expedition he has the money Oh

2706

02:04:35,450 --> 02:04:33,810

Warren Buffett and then Bill Gates they

2707

02:04:38,000 --> 02:04:35,460

can Olsen and they could fund it out of

2708

02:04:44,090 --> 02:04:38,010

their pocket change sure it's for one

2709

02:04:46,970 --> 02:04:44,100

thing as as Elon Musk has shown with the

2710

02:04:48,620 --> 02:04:46,980

dragon nine if you get the right rocket

2711

02:04:50,510 --> 02:04:48,630

scientists together you can build a

2712

02:04:53,240 --> 02:04:50,520

pretty cheap rocket that does what it's

2713

02:04:55,370 --> 02:04:53,250

supposed to do I mean I think they

2714

02:04:56,780 --> 02:04:55,380

should just put people on the thing on

2715

02:04:58,459 --> 02:04:56,790

that thing and launch it to the space

2716

02:05:00,890 --> 02:04:58,469

well that I'm hoping they'll launch

2717

02:05:02,180 --> 02:05:00,900

theirs drag it next dragon I will just

2718

02:05:04,490 --> 02:05:02,190

go right up to the space station and

2719

02:05:06,229 --> 02:05:04,500

dock with it and they have a pressurized

2720

02:05:08,000 --> 02:05:06,239

cabin oh that's they can actually put

2721

02:05:09,680 --> 02:05:08,010

some seats in and put people in it but

2722

02:05:11,959 --> 02:05:09,690

you know they they don't want to be

2723

02:05:13,729 --> 02:05:11,969

hasty about that well we don't want for

2724

02:05:15,140 --> 02:05:13,739

us to have some kind of disaster they

2725

02:05:16,880 --> 02:05:15,150

have to be very cautious because it's

2726

02:05:19,700 --> 02:05:16,890

not question here where the world is

2727

02:05:23,090 --> 02:05:19,710

watching and if someone doesn't survive

2728

02:05:25,340 --> 02:05:23,100

that expedition you know they could lose

2729

02:05:28,790 --> 02:05:25,350

a lot of stockholders real fast oh yeah

2730

02:05:30,709 --> 02:05:28,800

then everybody all of the good

2731

02:05:32,570 --> 02:05:30,719

milquetoast say well we told you so

2732

02:05:34,430 --> 02:05:32,580

you know people were supposed to go into

2733

02:05:38,000 --> 02:05:34,440

space we have been born with space suits

2734

02:05:40,940 --> 02:05:38,010

and you know there's there's no there's

2735

02:05:44,300 --> 02:05:40,950

no type and but really speaking here

2736

02:05:47,030 --> 02:05:44,310

though before we even get man to Mars or

2737

02:05:50,420 --> 02:05:47,040

another lunar expedition how do we

2738

02:05:52,910 --> 02:05:50,430

validate all of your theories you have a

2739

02:05:55,130 --> 02:05:52,920

lot of fascinating theories here about

2740

02:05:57,680 --> 02:05:55,140

always on Mars which is obviously not

2741

02:05:59,930 --> 02:05:57,690

yours alone a lot of people hold that we

2742

02:06:03,140 --> 02:05:59,940

talked about the nuclear explosion on

2743

02:06:05,660 --> 02:06:03,150

Mars artificial nuclear Mars it's

2744

02:06:07,850 --> 02:06:05,670

actually pretty easy to validate okay

2745

02:06:09,890 --> 02:06:07,860

all you have to do is weigh in the land

2746

02:06:13,250 --> 02:06:09,900

or in the hot loam

2747

02:06:15,560 --> 02:06:13,260

so we do have oil so we have to send a

2748

02:06:18,560 --> 02:06:15,570

Martian probe forget about humans

2749

02:06:20,180 --> 02:06:18,570

Martian probes have to be sent to

2750

02:06:24,500 --> 02:06:20,190

validate this how do we validate the

2751

02:06:26,900 --> 02:06:24,510

face on Mars do we go to that well well

2752

02:06:28,050 --> 02:06:26,910

just by coincidence the big radiation

2753

02:06:33,300 --> 02:06:28,060

spot on Mars

2754

02:06:37,080 --> 02:06:33,310

is about 500 maybe 600 miles north wet

2755

02:06:41,370 --> 02:06:37,090

northwest of where Cydonia men's is so

2756

02:06:43,860 --> 02:06:41,380

you can almost drop a second probe

2757

02:06:46,710 --> 02:06:43,870

inside onea Menza but of course they're

2758

02:06:48,120 --> 02:06:46,720

not going to do that they'll simply say

2759

02:06:51,720 --> 02:06:48,130

oh that would be silly to do that

2760

02:06:53,700 --> 02:06:51,730

because there's nothing there well you

2761

02:06:55,770 --> 02:06:53,710

can find another excuse can't you do you

2762

02:06:58,320 --> 02:06:55,780

have to say we're going there to see the

2763

02:07:00,690 --> 02:06:58,330

face on Mars or to validate dr.

2764

02:07:04,260 --> 02:07:00,700

Brandenburg's theory that there was an

2765

02:07:05,880 --> 02:07:04,270

explosion I don't have to say that I

2766

02:07:08,670 --> 02:07:05,890

think what you should do is you should

2767

02:07:10,590 --> 02:07:08,680

send we have developed a nuclear powered

2768

02:07:13,140 --> 02:07:10,600

Rover to go investigate the big methane

2769

02:07:14,760 --> 02:07:13,150

vents they should just make a clone of

2770

02:07:16,980 --> 02:07:14,770

that I mean it's a very good design this

2771

02:07:18,810 --> 02:07:16,990

nuclear-powered so it doesn't need to

2772

02:07:20,430 --> 02:07:18,820

worry about solar panels the solar

2773

02:07:21,140 --> 02:07:20,440

panels kept getting covered with Mars

2774

02:07:24,270 --> 02:07:21,150

dust

2775

02:07:25,890 --> 02:07:24,280

fortunately then or they could send one

2776

02:07:26,880 --> 02:07:25,900

of the probes they you know one of the

2777

02:07:28,380 --> 02:07:26,890

things they've already built but they

2778

02:07:30,360 --> 02:07:28,390

just got into trouble of building this

2779

02:07:31,920 --> 02:07:30,370

one designing and building this new

2780

02:07:34,620 --> 02:07:31,930

nuclear-powered Rovers as big as a

2781

02:07:39,300 --> 02:07:34,630

Volkswagen and it can drive all night

2782

02:07:41,940 --> 02:07:39,310

and they could land that in this

2783

02:07:43,920 --> 02:07:41,950

northern mayar acid alien region and

2784

02:07:45,300 --> 02:07:43,930

take samples and if you ask the right

2785

02:07:48,150 --> 02:07:45,310

question if you give it the right

2786

02:07:50,880 --> 02:07:48,160

instruments you'll be able to tell at

2787

02:07:54,060 --> 02:07:50,890

least in terms of the nuclear reactions

2788

02:07:56,450 --> 02:07:54,070

involved what actually happened remember

2789

02:07:59,340 --> 02:07:56,460

we have a lot of experience in analyzing

2790

02:08:01,890 --> 02:07:59,350

nuclear stuff on earth from the Cold War

2791

02:08:03,510 --> 02:08:01,900

I would also well by the way John that

2792

02:08:05,760 --> 02:08:03,520

it would be more reliable than a

2793

02:08:08,040 --> 02:08:05,770

Volkswagen which is not known to be the

2794

02:08:10,020 --> 02:08:08,050

most reliable car in the world I know

2795

02:08:12,330 --> 02:08:10,030

the car enthusiasts will now hate me and

2796

02:08:14,460 --> 02:08:12,340

say well I love my new beetle or my

2797

02:08:15,930 --> 02:08:14,470

percent or all the other cars in

2798

02:08:18,000 --> 02:08:15,940

Volkswagen came out with we're not

2799

02:08:20,430 --> 02:08:18,010

talking about how much fun they are

2800

02:08:22,560 --> 02:08:20,440

we're talking about reliability we are

2801

02:08:25,140 --> 02:08:22,570

talking to the very reliable dr. John

2802

02:08:27,300 --> 02:08:25,150

Brandenburg the co-host is Chris O'Brien

2803

02:08:29,940 --> 02:08:27,310

and I don't know if he's given up the

2804

02:08:34,610 --> 02:08:29,950

helium yet but let's do it I'm gene

2805

02:08:40,109 --> 02:08:34,620

Steinberg you're in the Burrow cast

2806

02:08:46,419 --> 02:08:44,139

is there a secret UFO agenda to strange

2807

02:08:48,789 --> 02:08:46,429

creatures from the darkest corners of

2808

02:08:51,629 --> 02:08:48,799

the mind roam the earth is there

2809

02:08:55,299 --> 02:08:51,639

evidence for mind control time travel or

2810

02:08:56,919 --> 02:08:55,309

devious government conspiracies find out

2811

02:08:59,949 --> 02:08:56,929

the inside scoop on the latest

2812

02:09:02,679 --> 02:08:59,959

conspiracies Paranormal Activity and at

2813

02:09:05,589 --> 02:09:02,689

14 phenomena when you subscribe to Timmy

2814

02:09:08,199 --> 02:09:05,599

Beckley's conspiracy Joe it's jam-packed

2815

02:09:10,659 --> 02:09:08,209

with stories special book and DVD

2816

02:09:13,000 --> 02:09:10,669

promotions and the best news it's

2817

02:09:16,059 --> 02:09:13,010

absolutely free sent right to your

2818

02:09:19,839 --> 02:09:16,069

mailbox plus a bonus free email

2819

02:09:21,729 --> 02:09:19,849

newsletter sent out every Friday simply

2820

02:09:26,679 --> 02:09:21,739

send an email with your name and address

2821

02:09:32,229 --> 02:09:26,689

to Mister UFO at web TV dotnet that's

2822

02:09:38,959 --> 02:09:32,239

mr. UFO at web TV dotnet find out what

2823

02:09:42,449 --> 02:09:40,859

we all know that berkey water

2824

02:09:44,759 --> 02:09:42,459

purification systems are the most

2825

02:09:46,500 --> 02:09:44,769

trusted name in water filtration as an

2826
02:09:48,299 --> 02:09:46,510
authorized Berkey dealer for over five

2827
02:09:49,229 --> 02:09:48,309
years and serving thousands of satisfied

2828
02:09:51,359 --> 02:09:49,239
customers

2829
02:09:53,520 --> 02:09:51,369
the Berkey guy offers amazing specials

2830
02:09:55,199 --> 02:09:53,530
for berkey water filtration systems the

2831
02:09:57,089 --> 02:09:55,209
Berkey light systems include a set of

2832
02:09:59,040 --> 02:09:57,099
self-sterilizing INRI cleanable black

2833
02:10:01,379 --> 02:09:59,050
purification elements that purify water

2834
02:10:03,569 --> 02:10:01,389
by removing chlorine pathogenic bacteria

2835
02:10:05,699 --> 02:10:03,579
cysts and parasites to non detectable

2836
02:10:08,069 --> 02:10:05,709
levels and remove harmful chemicals such

2837
02:10:09,959 --> 02:10:08,079
as herbicides and pesticides order the

2838
02:10:11,939 --> 02:10:09,969

Berkey like system today complete with

2839

02:10:13,890 --> 02:10:11,949

two black Berkey elements for only two

2840

02:10:15,569 --> 02:10:13,900

hundred and twenty dollars and the burka

2841

02:10:17,399 --> 02:10:15,579

guide will include three sport berkey

2842

02:10:18,659 --> 02:10:17,409

water bottles and ship everything to you

2843

02:10:20,489 --> 02:10:18,669

free of charge

2844

02:10:22,620 --> 02:10:20,499

that's right three sport berkey water

2845

02:10:25,140 --> 02:10:22,630

bottles and free shipping an eighty

2846

02:10:26,969 --> 02:10:25,150

seven dollar value yours free called the

2847

02:10:28,919 --> 02:10:26,979

perky guy at one eight seventy seven

2848

02:10:31,529 --> 02:10:28,929

eight eight six three six five three

2849

02:10:34,049 --> 02:10:31,539

that's one eight seven seven eight eight

2850

02:10:36,629 --> 02:10:34,059

six three six five three four order

2851
02:10:40,049 --> 02:10:36,639
online at Dober Keep Calm let's go

2852
02:10:41,250 --> 02:10:40,059
Berkey calm today there's mounting

2853
02:10:43,080 --> 02:10:41,260
evidence suggesting that there are

2854
02:10:44,429 --> 02:10:43,090
people government's corporations and

2855
02:10:46,229 --> 02:10:44,439
whole professions intent on

2856
02:10:48,750 --> 02:10:46,239
short-circuiting humanity's well-being

2857
02:10:50,939 --> 02:10:48,760
GMO food legislation protecting big

2858
02:10:52,830 --> 02:10:50,949
agriculture the attempted elimination of

2859
02:10:54,719 --> 02:10:52,840
vitamins and alternative medicines it

2860
02:10:56,729 --> 02:10:54,729
seems their hand has been tipped they

2861
02:10:59,100 --> 02:10:56,739
want to dictate your health wealth and

2862
02:11:01,830 --> 02:10:59,110
your longevity whatever the outcome we

2863
02:11:03,779 --> 02:11:01,840

have a solution wild edible food why

2864

02:11:05,669 --> 02:11:03,789

worry about food when all has been

2865

02:11:07,319 --> 02:11:05,679

provided we imagine that we were ejected

2866

02:11:09,479 --> 02:11:07,329

from the garden and never invited back

2867

02:11:11,370 --> 02:11:09,489

but the gardens still here there is an

2868

02:11:12,989 --> 02:11:11,380

endless wild abundance which grows all

2869

02:11:14,250 --> 02:11:12,999

over our green earth just waiting for

2870

02:11:16,439 --> 02:11:14,260

you to wake up and see it

2871

02:11:19,439 --> 02:11:16,449

let Auto Linda Runyon teach you how to

2872

02:11:22,379 --> 02:11:19,449

see no gap prepare store and eat wild

2873

02:11:24,390 --> 02:11:22,389

edible food save money add nutrition and

2874

02:11:26,879 --> 02:11:24,400

ignore the noise when you go shopping in

2875

02:11:29,669 --> 02:11:26,889

nature's supermarket go to of the field

2876
02:11:31,560 --> 02:11:29,679
comm and get started today or call one

2877
02:11:34,589 --> 02:11:31,570
eight eight eight fifty one eat free

2878
02:11:37,049 --> 02:11:34,599
that's of the field calm or call one

2879
02:11:39,000 --> 02:11:37,059
eight eight eight five one eat free and

2880
02:11:43,980 --> 02:11:39,010
begin to see a different world

2881
02:11:49,360 --> 02:11:47,560
hi my name's Russ and after my heart

2882
02:11:51,640 --> 02:11:49,370
attack I wasn't sure what what's going

2883
02:11:55,540 --> 02:11:51,650
to happen I needed to keep on working

2884
02:11:57,760 --> 02:11:55,550
but now it's becoming a problem I heard

2885
02:12:00,640 --> 02:11:57,770
about these garlic cayenne drops and

2886
02:12:02,470 --> 02:12:00,650
hoped it would help me well I've been

2887
02:12:05,110 --> 02:12:02,480
taking them for about four months in the

2888
02:12:06,550 --> 02:12:05,120

way I'm feeling now I can see how I just

2889

02:12:08,530 --> 02:12:06,560

might make it to retirement

2890

02:12:10,570 --> 02:12:08,540

thanks to extend of eight my name is

2891

02:12:12,940 --> 02:12:10,580

dawn Riskin and I want you to know

2892

02:12:15,340 --> 02:12:12,950

extended bike works if you're looking

2893

02:12:17,890 --> 02:12:15,350

for more energy or just want to be as

2894

02:12:19,600 --> 02:12:17,900

healthy as you can now is the time to

2895

02:12:22,210 --> 02:12:19,610

join the growing list of real people

2896

02:12:24,910 --> 02:12:22,220

benefiting from Extender fight to order

2897

02:12:26,800 --> 02:12:24,920

call one eight seven seven nine two

2898

02:12:29,350 --> 02:12:26,810

eight eight eight two two that's one

2899

02:12:31,600 --> 02:12:29,360

eight seven seven nine two eight eight

2900

02:12:33,530 --> 02:12:31,610

eight two two or visit our website at

2901

02:12:39,140 --> 02:12:33,540

heart drop calm

2902

02:12:43,830 --> 02:12:41,360

America's number one source for

2903

02:12:44,760 --> 02:12:43,840

independent authoring so for over a

2904

02:12:52,790 --> 02:12:44,770

decade

2905

02:12:57,950 --> 02:12:55,390

[Music]

2906

02:13:01,980 --> 02:12:57,960

hi my name is Richard Dolan you're

2907

02:13:06,589 --> 02:13:04,729

[Music]

2908

02:13:08,359 --> 02:13:06,599

ladies and gentlemen we have two more

2909

02:13:11,149 --> 02:13:08,369

segments left for this week's episode

2910

02:13:13,459 --> 02:13:11,159

the power cast our guest for his encore

2911

02:13:15,589 --> 02:13:13,469

dr. John Brandenburg talking about the

2912

02:13:18,229 --> 02:13:15,599

mysteries and the magic and majesty of

2913

02:13:20,810 --> 02:13:18,239

Mars and also Chris O'Brien has now

2914

02:13:23,060 --> 02:13:20,820

recovered from his helium I'm gonna say

2915

02:13:25,009 --> 02:13:23,070

something about the Chinese space

2916

02:13:28,429 --> 02:13:25,019

program and its ambitions to go to the

2917

02:13:31,029 --> 02:13:28,439

moon okay when when the Russians and the

2918

02:13:34,100 --> 02:13:31,039

United States we're racing to the moon

2919

02:13:36,469 --> 02:13:34,110

we were launching astronauts and

2920

02:13:40,370 --> 02:13:36,479

cosmonauts about once a month we were

2921

02:13:43,069 --> 02:13:40,380

really we in fact both sides were taking

2922

02:13:45,049 --> 02:13:43,079

a lot of risks that's why we lost the

2923

02:13:47,390 --> 02:13:45,059

three astronauts in the Apollo fire

2924

02:13:50,359 --> 02:13:47,400

because they were they were rushing that

2925

02:13:53,419 --> 02:13:50,369

program and the Russians lost three

2926

02:13:55,129 --> 02:13:53,429

brave brave cosmonauts because they they

2927

02:13:57,589 --> 02:13:55,139

wanted to fly three of them in the

2928

02:13:59,359 --> 02:13:57,599

capsule it was built for two men and the

2929

02:14:01,219 --> 02:13:59,369

only way they could do that was have

2930

02:14:03,560 --> 02:14:01,229

them in there without spacesuits and of

2931

02:14:06,589 --> 02:14:03,570

course the Murphy's Law struck pressure

2932

02:14:09,319 --> 02:14:06,599

shield broke and the three cosmonauts

2933

02:14:13,910 --> 02:14:09,329

died from lack of oxygen on the way back

2934

02:14:15,379 --> 02:14:13,920

into the atmosphere and they opened up

2935

02:14:17,479 --> 02:14:15,389

the capsule and they were all in there

2936

02:14:20,899 --> 02:14:17,489

dead and there was a terrible tragedy

2937

02:14:23,149 --> 02:14:20,909

and but it shows that they were there a

2938

02:14:24,469 --> 02:14:23,159

bunch of brave men but they both the

2939

02:14:27,589 --> 02:14:24,479

Russians in the United States were

2940

02:14:29,390 --> 02:14:27,599

launching guys all the time and you know

2941

02:14:30,979 --> 02:14:29,400

the Russians are doing a spacewalk and

2942

02:14:33,859 --> 02:14:30,989

then we do a spacewalk with a longer

2943

02:14:35,779 --> 02:14:33,869

tether the next month just to show them

2944

02:14:39,140 --> 02:14:35,789

you know our tether is long ten feet

2945

02:14:42,679 --> 02:14:39,150

longer than your tether and that was how

2946

02:14:45,049 --> 02:14:42,689

the space race was won the Chinese have

2947

02:14:47,959 --> 02:14:45,059

been launching guys like once every

2948

02:14:51,169 --> 02:14:47,969

three years they're not going there

2949

02:14:54,080 --> 02:14:51,179

they're being really careful they don't

2950

02:14:57,500 --> 02:14:54,090

want to make any mistakes and so

2951

02:14:59,689 --> 02:14:57,510

therefore I say with American can-do we

2952

02:15:03,160 --> 02:14:59,699

if we decide we wake up one morning side

2953

02:15:05,359 --> 02:15:03,170

of the when the Chinese like here's my

2954

02:15:08,089 --> 02:15:05,369

scenario for the Chinese landing on the

2955

02:15:10,339 --> 02:15:08,099

moon my ideal scenario is they are met

2956

02:15:13,189 --> 02:15:10,349

greeted immediately by a party of

2957

02:15:14,689 --> 02:15:13,199

American astronauts and invited back to

2958

02:15:17,729 --> 02:15:14,699

the American moon base for a steak

2959

02:15:23,520 --> 02:15:17,739

dinner you know

2960

02:15:25,709 --> 02:15:23,530

you opened up a can of beans let's do

2961

02:15:27,689 --> 02:15:25,719

the kind of Western thing here where we

2962

02:15:30,419 --> 02:15:27,699

got a big barbecue and maybe we'll have

2963

02:15:32,879 --> 02:15:30,429

some you know it is which is kind of

2964

02:15:35,370 --> 02:15:32,889

like Southwest imitation Mexican food

2965

02:15:38,310 --> 02:15:35,380

that kind of thing

2966

02:15:41,669 --> 02:15:38,320

we'll have some Coors beer and have a

2967

02:15:45,959 --> 02:15:41,679

great time the beach Chinese Thai

2968

02:15:47,959 --> 02:15:45,969

coconuts will be treated very well the

2969

02:15:50,939 --> 02:15:47,969

Chinese are really moving pretty fast

2970

02:15:53,129 --> 02:15:50,949

but I wonder about the South Koreans in

2971

02:15:55,290 --> 02:15:53,139

South Korea they're doing very well with

2972

02:15:56,160 --> 02:15:55,300

cars why not with some kind of space

2973

02:15:59,009 --> 02:15:56,170

program

2974

02:16:03,810 --> 02:15:59,019

well the like the Japanese for instance

2975

02:16:06,689 --> 02:16:03,820

have launched a probe that the Europeans

2976

02:16:08,339 --> 02:16:06,699

and the Japanese had launched capsules

2977

02:16:11,339 --> 02:16:08,349

and out of the space station that docked

2978

02:16:13,020 --> 02:16:11,349

with it automatically and they could put

2979

02:16:15,060 --> 02:16:13,030

they have pressurized compartments on

2980

02:16:17,549 --> 02:16:15,070

both of them they could easily put

2981

02:16:19,560 --> 02:16:17,559

either Japanese or European astronauts

2982

02:16:21,810 --> 02:16:19,570

in there but you gotta realize the

2983

02:16:24,509 --> 02:16:21,820

Europeans and the Japanese don't do that

2984

02:16:26,250 --> 02:16:24,519

sort of thing they wait for the United

2985

02:16:29,310 --> 02:16:26,260

States and the Russians to do stuff like

2986

02:16:31,290 --> 02:16:29,320

that where the Cowboys leave it to the

2987

02:16:33,330 --> 02:16:31,300

Cowboys in the context we get too far

2988

02:16:35,790 --> 02:16:33,340

afield here wait a minute you just said

2989

02:16:37,830 --> 02:16:35,800

the Chinese when they they land on the

2990

02:16:39,389 --> 02:16:37,840

moon who gonna be invited by Americans

2991

02:16:41,219 --> 02:16:39,399

to go have a steak dinner now were you

2992

02:16:44,160 --> 02:16:41,229

just making a joke there or was there a

2993

02:16:46,110 --> 02:16:44,170

little hint of no no that's my let's

2994

02:16:49,290 --> 02:16:46,120

talk about that real quick what do you

2995

02:16:52,650 --> 02:16:49,300

what are you reading week we have the

2996

02:16:54,660 --> 02:16:52,660

space and the space shuttle once you

2997

02:16:56,849 --> 02:16:54,670

disassemble and use it like a Spock's a

2998

02:17:00,689 --> 02:16:56,859

tinker toys you can build a Saturn 5

2999

02:17:02,790 --> 02:17:00,699

rocket that's what they're gonna do so

3000

02:17:06,570 --> 02:17:02,800

going to you have you take the core

3001

02:17:08,669 --> 02:17:06,580

propulsion for the space shuttle takeoff

3002

02:17:10,349 --> 02:17:08,679

the space shuttle take the engines off a

3003

02:17:13,169 --> 02:17:10,359

space shuttle put them on the bottom of

3004

02:17:17,669 --> 02:17:13,179

the fuel tank you have a Saturn 5 rocket

3005

02:17:20,099 --> 02:17:17,679

and we have new types of rocket fuel

3006

02:17:23,580 --> 02:17:20,109

that we can put in the solid rocket

3007

02:17:24,929 --> 02:17:23,590

boosters and that it gives improves its

3008

02:17:28,080 --> 02:17:24,939

performance makes it much

3009

02:17:28,919 --> 02:17:28,090

environmentally cleaner and we will have

3010

02:17:30,179 --> 02:17:28,929

a moon rocket

3011

02:17:32,009 --> 02:17:30,189

every time they launch the Space Shuttle

3012

02:17:34,500 --> 02:17:32,019

are putting about a hundred tons in

3013

02:17:37,969 --> 02:17:34,510

orbit that's as much as saturn v moon

3014

02:17:40,650 --> 02:17:37,979

rocket did just because that you know

3015

02:17:42,709 --> 02:17:40,660

about sixty tons of that flies back and

3016

02:17:46,200 --> 02:17:42,719

lands on the runway people don't

3017

02:17:49,070 --> 02:17:46,210

understand what we're doing once we

3018

02:17:51,870 --> 02:17:49,080

decide we're gonna go back to the moon

3019

02:17:53,639 --> 02:17:51,880

especially if we're decide there's

3020

02:17:57,299 --> 02:17:53,649

something valuable there that we cannot

3021

02:17:58,860 --> 02:17:57,309

allow another nation to nominate you saw

3022

02:18:01,410 --> 02:17:58,870

what the Chinese are doing rare earths

3023

02:18:03,839 --> 02:18:01,420

right you're cornering the market on

3024

02:18:05,820 --> 02:18:03,849

rare earths and then when they the

3025

02:18:07,320 --> 02:18:05,830

Chinese and the Japanese had a little

3026

02:18:09,870 --> 02:18:07,330

scuffle over some fishing boat or

3027

02:18:12,389 --> 02:18:09,880

something the Chinese just cut off all

3028

02:18:15,179 --> 02:18:12,399

the rare earths to Japan so the Japanese

3029

02:18:17,729 --> 02:18:15,189

electronics industry couldn't basically

3030

02:18:19,200 --> 02:18:17,739

had to shut down so Japanese are running

3031

02:18:21,660 --> 02:18:19,210

all over the world now trying to find

3032

02:18:22,950 --> 02:18:21,670

rare earth mines by the way they're not

3033

02:18:26,309 --> 02:18:22,960

that fortunately they're not that rare

3034

02:18:30,089 --> 02:18:26,319

they're it's they're just hard to refine

3035

02:18:32,669 --> 02:18:30,099

what the Chinese have already showed

3036

02:18:35,240 --> 02:18:32,679

that they will if they find a vital

3037

02:18:39,839 --> 02:18:35,250

resource they'll try and dominate it and

3038

02:18:42,209 --> 02:18:39,849

abuse abuse their privileges I have very

3039

02:18:46,139 --> 02:18:42,219

little patience with the People's

3040

02:18:48,599 --> 02:18:46,149

Republic of China oh they've shown their

3041

02:18:51,179 --> 02:18:48,609

hand they've shown their hand and in

3042

02:18:53,570 --> 02:18:51,189

Tibet and with this rare earth thing we

3043

02:18:55,650 --> 02:18:53,580

don't want them going to moon first and

3044

02:18:58,169 --> 02:18:55,660

saying they're gonna sell us helium-3

3045

02:19:01,879 --> 02:18:58,179

sure but here's the problem here there

3046

02:19:04,860 --> 02:19:01,889

seems to be no incentive on the part of

3047

02:19:07,049 --> 02:19:04,870

Congress to do anything really serious

3048

02:19:09,570 --> 02:19:07,059

of space exploration how do you

3049

02:19:12,540 --> 02:19:09,580

incentivize this how do you say hey guys

3050

02:19:14,459 --> 02:19:12,550

we got to do it and we have all these

3051
02:19:16,559 --> 02:19:14,469
people knew and we're saying we got to

3052
02:19:18,360 --> 02:19:16,569
cut this we've got to cut that how can

3053
02:19:19,950 --> 02:19:18,370
you come back and say okay give us 50

3054
02:19:23,189 --> 02:19:19,960
billion dollars to get us to the Moon

3055
02:19:25,439 --> 02:19:23,199
and Mars as quickly as possible well for

3056
02:19:28,229 --> 02:19:25,449
one thing you must realize that when we

3057
02:19:32,099 --> 02:19:28,239
send stuff in when we send Americans

3058
02:19:35,250 --> 02:19:32,109
into space that sends a message that is

3059
02:19:37,740 --> 02:19:35,260
part of our national defense in modern

3060
02:19:39,900 --> 02:19:37,750
the modern era you don't fight big major

3061
02:19:41,400 --> 02:19:39,910
Wars with major powers what you do is

3062
02:19:45,450 --> 02:19:41,410
you determine war

3063
02:19:47,910 --> 02:19:45,460

and you deterrence because of nuclear

3064

02:19:50,969 --> 02:19:47,920

weapons you don't want a new full-scale

3065

02:19:53,160 --> 02:19:50,979

war among superpowers what you have is

3066

02:19:55,500 --> 02:19:53,170

deterrence you want the other side to

3067

02:19:58,650 --> 02:19:55,510

know that they will not survive a major

3068

02:20:00,960 --> 02:19:58,660

war we may not survive either but they

3069

02:20:05,010 --> 02:20:00,970

certainly will not survive so it's in

3070

02:20:08,490 --> 02:20:05,020

their interest not to have to have any

3071

02:20:12,750 --> 02:20:08,500

major trouble with us deterrence is the

3072

02:20:15,389 --> 02:20:12,760

ability to project your capabilities to

3073

02:20:17,940 --> 02:20:15,399

everybody without actually setting off

3074

02:20:19,800 --> 02:20:17,950

bombs or doing anything like that one of

3075

02:20:21,810 --> 02:20:19,810

the best ways to do that is to launch

3076

02:20:23,219 --> 02:20:21,820

the space shovel the Space Shuttle is

3077

02:20:25,920 --> 02:20:23,229

the biggest thing in space

3078

02:20:28,770 --> 02:20:25,930

it's a Buck Rogers spaceship it can grab

3079

02:20:31,290 --> 02:20:28,780

the Russian space capsule with its robot

3080

02:20:34,230 --> 02:20:31,300

arm and put it tuck it into its cargo

3081

02:20:38,070 --> 02:20:34,240

bay and carry it back to its mommy the

3082

02:20:40,590 --> 02:20:38,080

Space Shuttle when when was developed

3083

02:20:42,650 --> 02:20:40,600

under Carter and launched under Reagan

3084

02:20:46,290 --> 02:20:42,660

and after it had launched a few times

3085

02:20:47,850 --> 02:20:46,300

the Russians were horrified because it

3086

02:20:49,910 --> 02:20:47,860

was so much more bigger and more

3087

02:20:52,920 --> 02:20:49,920

advanced than anything they had in space

3088

02:20:55,200 --> 02:20:52,930

the reason Reagan could propose Star

3089

02:20:57,510 --> 02:20:55,210

Wars is because of the space shuttle

3090

02:21:01,889 --> 02:20:57,520

space shuttles showed Americans were

3091

02:21:05,429 --> 02:21:01,899

supreme in space technology you know and

3092

02:21:06,870 --> 02:21:05,439

what you do now is you don't in fact

3093

02:21:08,250 --> 02:21:06,880

I've told people they should just keep

3094

02:21:11,850 --> 02:21:08,260

launching the shuttle till we get the

3095

02:21:16,889 --> 02:21:11,860

Dragon 9 online just do it won't cost

3096

02:21:21,020 --> 02:21:16,899

that much launch one a year and once you

3097

02:21:24,030 --> 02:21:21,030

do that by the way they could put a a

3098

02:21:27,810 --> 02:21:24,040

seat in the x-37b the little miniature

3099

02:21:29,940 --> 02:21:27,820

shuttle they just launched and we could

3100

02:21:33,650 --> 02:21:29,950

have Americans in space just about any

3101
02:21:37,260 --> 02:21:33,660
time we want to but the Space Shuttle

3102
02:21:38,910 --> 02:21:37,270
was part of our national defense it is

3103
02:21:41,360 --> 02:21:38,920
part of our national defense it shows

3104
02:21:45,600 --> 02:21:41,370
that Americans are supreme in space

3105
02:21:49,139 --> 02:21:45,610
every time it launches a lot of those

3106
02:21:51,990 --> 02:21:49,149
ends of the way we left it

3107
02:21:54,780 --> 02:21:52,000
if we let the Chinese go to the moon

3108
02:21:58,710 --> 02:21:54,790
force it shows where a paper tiger or

3109
02:22:00,480 --> 02:21:58,720
have been we understand John we

3110
02:22:03,500 --> 02:22:00,490
understand the political ramifications

3111
02:22:06,360 --> 02:22:03,510
and when we get to our final political

3112
02:22:10,050 --> 02:22:06,370
John we're gonna ask you and once we get

3113
02:22:13,800 --> 02:22:10,060

to our final segment maybe we could look

3114

02:22:15,900 --> 02:22:13,810

towards a solution to get us back to the

3115

02:22:18,180 --> 02:22:15,910

moon to get us moving to Mars a lot

3116

02:22:20,910 --> 02:22:18,190

faster than we otherwise might be able

3117

02:22:23,340 --> 02:22:20,920

to do it our guest is dr. John

3118

02:22:26,160 --> 02:22:23,350

Brandenburg the book is life and death

3119

02:22:27,990 --> 02:22:26,170

on Mars the new Mars synthesis and it

3120

02:22:30,240 --> 02:22:28,000

tells me we got to get back there the

3121

02:22:34,030 --> 02:22:30,250

co-host is Chris O'Brien I'm gene

3122

02:22:38,990 --> 02:22:34,040

Steinberg you're in the para cast

3123

02:22:43,650 --> 02:22:41,310

graphic converter is the image

3124

02:22:46,560 --> 02:22:43,660

manipulation tool for the rest of us it

3125

02:22:48,750 --> 02:22:46,570

does not use any database you get full

3126

02:22:51,150 --> 02:22:48,760

control of all your files want to view

3127

02:22:53,640 --> 02:22:51,160

the images of a folder drag it into

3128

02:22:56,430 --> 02:22:53,650

graphic converter and a powerful browser

3129

02:22:58,500 --> 02:22:56,440

opens up to show your image files you

3130

02:23:00,780 --> 02:22:58,510

could use it for slideshows you could

3131

02:23:03,120 --> 02:23:00,790

use it to import images from digital

3132

02:23:05,250 --> 02:23:03,130

cameras or from scanners need to do some

3133

02:23:07,620 --> 02:23:05,260

image editing you can do that too in

3134

02:23:09,930 --> 02:23:07,630

graphic converter also print catalogs

3135

02:23:12,090 --> 02:23:09,940

convert from so many formats

3136

02:23:14,580 --> 02:23:12,100

I can't even list them download now to

3137

02:23:17,670 --> 02:23:14,590

see if graphic converter is good for you

3138

02:23:19,920 --> 02:23:17,680

like one and a half million other users

3139

02:23:22,290 --> 02:23:19,930

guess what you could save money when you

3140

02:23:25,170 --> 02:23:22,300

buy graphic converter use the coupon

3141

02:23:27,600 --> 02:23:25,180

code night-owl use the coupon code night

3142

02:23:30,920 --> 02:23:27,610

how to get a special price for graphic

3143

02:23:37,310 --> 02:23:30,930

converter go to Lemke soft calm Nets le

3144

02:23:43,080 --> 02:23:37,320

MKE soft calm Lemke soft calm l e MKE

3145

02:23:45,540 --> 02:23:43,090

soft calm has done it again introducing

3146

02:23:47,761 --> 02:23:45,550

FDG clubs and Survival bucks from the

3147

02:23:49,500 --> 02:23:47,771

freeze-dry guy for over thirty nine

3148

02:23:50,970 --> 02:23:49,510

years the freeze-dried guy has served

3149

02:23:52,680 --> 02:23:50,980

various government agencies and the

3150

02:23:54,600 --> 02:23:52,690

private sector with the finest in

3151
02:23:56,310 --> 02:23:54,610
storable foods and emergency rations if

3152
02:23:58,341 --> 02:23:56,320
you've wanted to build emergency food

3153
02:24:01,011 --> 02:23:58,351
supplies but couldn't afford it now you

3154
02:24:02,871 --> 02:24:01,021
can go to freeze-dry guide.com click on

3155
02:24:05,060 --> 02:24:02,881
products and look for the freeze-dry guy

3156
02:24:06,440 --> 02:24:05,070
clubs to pay as you go now you can build

3157
02:24:08,690 --> 02:24:06,450
food storage without going into debt

3158
02:24:10,850 --> 02:24:08,700
choose from a payment range of \$95 to

3159
02:24:12,591 --> 02:24:10,860
450 dollars per month our clubs work

3160
02:24:14,451 --> 02:24:12,601
with everyone's budget plus when you

3161
02:24:16,341 --> 02:24:14,461
join freeze dry guy clubs you'll get

3162
02:24:18,621 --> 02:24:16,351
additional rewards for example this

3163
02:24:20,270 --> 02:24:18,631

month get 10% back in survival bucks on

3164

02:24:22,011 --> 02:24:20,280

all purchases in the freeze dry guy

3165

02:24:24,081 --> 02:24:22,021

product line plus free shipping within

3166

02:24:26,480 --> 02:24:24,091

the lower 48 states on any order amount

3167

02:24:28,671 --> 02:24:26,490

hurry go to freeze drag guide.com or

3168

02:24:30,951 --> 02:24:28,681

call eight six six four zero four three

3169

02:24:32,781 --> 02:24:30,961

six six three let's freeze dry guys calm

3170

02:24:35,451 --> 02:24:32,791

or call eight six six four zero four

3171

02:24:38,360 --> 02:24:35,461

three six six three the freeze dry guy

3172

02:24:40,300 --> 02:24:38,370

the best you can buy

3173

02:24:43,040 --> 02:24:40,310

[Music]

3174

02:24:44,960 --> 02:24:43,050

if you owe money to the IRS you can't

3175

02:24:46,730 --> 02:24:44,970

make the problem go away by yourself but

3176

02:24:48,560 --> 02:24:46,740

with the help of Dan pillow you can get

3177

02:24:50,929 --> 02:24:48,570

your problem solved once and for all

3178

02:24:52,429 --> 02:24:50,939

hi I'm Dan pillow for 30 years I've

3179

02:24:53,870 --> 02:24:52,439

helped thousands of people solve their

3180

02:24:56,300 --> 02:24:53,880

tax debt problem and I can help you

3181

02:24:58,010 --> 02:24:56,310

solve yours too we take a very simple

3182

02:25:00,230 --> 02:24:58,020

but proven three-step approach to

3183

02:25:01,969 --> 02:25:00,240

solving your problem first we stabilize

3184

02:25:03,679 --> 02:25:01,979

IRS collection actions so you don't have

3185

02:25:05,719 --> 02:25:03,689

to worry about the IRS seizing your bank

3186

02:25:07,730 --> 02:25:05,729

account or paycheck next we built a

3187

02:25:09,310 --> 02:25:07,740

comprehensive plan to get your tax debt

3188

02:25:12,230 --> 02:25:09,320

reduced to the fullest extent possible

3189

02:25:14,150 --> 02:25:12,240

sometimes even completely eliminated and

3190

02:25:15,740 --> 02:25:14,160

finally we work with you every step of

3191

02:25:17,450 --> 02:25:15,750

the way to get your problem solved once

3192

02:25:19,490 --> 02:25:17,460

and for all call us for a free

3193

02:25:23,300 --> 02:25:19,500

consultation call one eight hundred

3194

02:25:24,890 --> 02:25:23,310

three four six six eight to nine will

3195

02:25:26,780 --> 02:25:24,900

work together to get your problem solved

3196

02:25:28,760 --> 02:25:26,790

guaranteed dan killer has been

3197

02:25:30,590 --> 02:25:28,770

protecting taxpayers from the IRS for

3198

02:25:34,370 --> 02:25:30,600

three decades and he can help you too

3199

02:25:36,250 --> 02:25:34,380

call us today at 834 six six eight

3200

02:25:40,760 --> 02:25:36,260

twenty nine that's eight hundred

3201
02:25:41,780 --> 02:25:40,770
thirty-four no tax how well and how fast

3202
02:25:43,580 --> 02:25:41,790
does harden body

3203
02:25:47,630 --> 02:25:43,590
extract work to improve blood

3204
02:25:49,219 --> 02:25:47,640
circulation listen my name is 66 years

3205
02:25:51,800 --> 02:25:49,229
old and I live in Jacksonville Florida

3206
02:25:54,650 --> 02:25:51,810
two years ago I was diagnosed as having

3207
02:25:56,270 --> 02:25:54,660
clogged arteries I had 70% blockage in

3208
02:25:58,250 --> 02:25:56,280
one artery leading to my heart they

3209
02:26:00,110 --> 02:25:58,260
wanted me to go on plavix but I refused

3210
02:26:01,820 --> 02:26:00,120
knowing the negative side effects heart

3211
02:26:03,710 --> 02:26:01,830
and body extract is a unique balance

3212
02:26:05,540 --> 02:26:03,720
synergy and proportion of Irv is

3213
02:26:07,429 --> 02:26:05,550

reaching from head to toe at maximum

3214

02:26:16,520 --> 02:26:07,439

absorption around 95 percent at the

3215

02:26:18,469 --> 02:26:16,530

cellular level your natural organic

3216

02:26:20,660 --> 02:26:18,479

herbal formula for heart health is heart

3217

02:26:22,969 --> 02:26:20,670

and body extract heart and body extract

3218

02:26:25,910 --> 02:26:22,979

comes with a 100% ironclad money-back

3219

02:26:27,920 --> 02:26:25,920

guarantee details at HB extract calm or

3220

02:26:29,630 --> 02:26:27,930

call eight six six two nine five five

3221

02:26:32,060 --> 02:26:29,640

three zero five four heart and body

3222

02:26:34,400 --> 02:26:32,070

extract call eight six six two nine five

3223

02:26:36,200 --> 02:26:34,410

fifty three zero five eight six six two

3224

02:26:38,171 --> 02:26:36,210

nine five five three zero five four

3225

02:26:41,741 --> 02:26:38,181

heart and body extract

3226

02:26:44,861 --> 02:26:41,751

are you tired of searching for great

3227

02:26:53,890 --> 02:26:44,871

talk-radio more important search tree

3228

02:26:55,871 --> 02:26:53,900

overall we are the GCM radio network hi

3229

02:26:58,301 --> 02:26:55,881

this is Clifford Cliff International

3230

02:27:00,730 --> 02:26:58,311

director for the mutual UFO network you

3231

02:27:06,810 --> 02:27:00,740

are listening to the parrot cast the

3232

02:27:10,480 --> 02:27:08,980

reminder if you have a comment or a

3233

02:27:13,031 --> 02:27:10,490

question of the health of para Cass

3234

02:27:15,761 --> 02:27:13,041

write us news at the para cast comm

3235

02:27:17,621 --> 02:27:15,771

that's news at the power cast comm this

3236

02:27:19,781 --> 02:27:17,631

is our final segment with dr. John

3237

02:27:21,850 --> 02:27:19,791

Brandenburg we're talking about Mars the

3238

02:27:24,011 --> 02:27:21,860

co-host Chris O'Brien I'm gene Steinberg

3239

02:27:26,020 --> 02:27:24,021

you're in the power cast I am NOT a

3240

02:27:28,690 --> 02:27:26,030

Martian ladies and gentlemen I know some

3241

02:27:30,430 --> 02:27:28,700

people you know they say you know men

3242

02:27:31,301 --> 02:27:30,440

are from Mars Women are from Venus or

3243

02:27:34,121 --> 02:27:31,311

vice versa

3244

02:27:36,220 --> 02:27:34,131

I never got that right okay so I'm still

3245

02:27:38,140 --> 02:27:36,230

looking for an answer here and it's not

3246

02:27:39,701 --> 02:27:38,150

maybe because the Chinese might do it

3247

02:27:42,310 --> 02:27:39,711

but I'm still looking for an answer

3248

02:27:44,770 --> 02:27:42,320

maybe I'm not hearing it John how do we

3249

02:27:47,051 --> 02:27:44,780

turn things around with a space program

3250

02:27:49,270 --> 02:27:47,061

this is what we could do and again can

3251
02:27:52,121 --> 02:27:49,280
well if nothing else happens can we get

3252
02:27:54,730 --> 02:27:52,131
all those billionaires to do it for us

3253
02:27:57,251 --> 02:27:54,740
well for one thing if you find evidence

3254
02:27:58,930 --> 02:27:57,261
for a giant nuclear explosion on Mars

3255
02:28:00,911 --> 02:27:58,940
you go to conferences and talk about it

3256
02:28:02,951 --> 02:28:00,921
and you write a book about it so that

3257
02:28:04,871 --> 02:28:02,961
everyone knows that this happened and it

3258
02:28:07,421 --> 02:28:04,881
becomes imperative for us to investigate

3259
02:28:10,091 --> 02:28:07,431
it and that means American astronauts

3260
02:28:12,940 --> 02:28:10,101
have to go to Mars first and investigate

3261
02:28:14,711 --> 02:28:12,950
it now the same goes for let's say

3262
02:28:17,980 --> 02:28:14,721
rumors of a dead civilization on Mars

3263
02:28:20,261 --> 02:28:17,990

you can't let the Chinese go to Mars

3264

02:28:21,640 --> 02:28:20,271

first no we have to examine the ruins

3265

02:28:24,611 --> 02:28:21,650

first it looks like a primitive

3266

02:28:27,100 --> 02:28:24,621

civilization but we don't know its level

3267

02:28:29,140 --> 02:28:27,110

of technology suppose they have super

3268

02:28:31,301 --> 02:28:29,150

weapons buried in the rubble that

3269

02:28:33,220 --> 02:28:31,311

somebody who lands there could learn and

3270

02:28:35,741 --> 02:28:33,230

then gain an advantage on earth you

3271

02:28:37,781 --> 02:28:35,751

can't let that sort of thing happen not

3272

02:28:40,480 --> 02:28:37,791

if you're a forward-looking country like

3273

02:28:42,401 --> 02:28:40,490

this and that almost doesn't it almost

3274

02:28:44,770 --> 02:28:42,411

doesn't matter anymore whether you're a

3275

02:28:47,501 --> 02:28:44,780

liberal democrat or a conservative

3276

02:28:49,060 --> 02:28:47,511

Republican you can't let certain things

3277

02:28:51,300 --> 02:28:49,070

happen and one of the things you can't

3278

02:28:53,960 --> 02:28:51,310

let happen you can't

3279

02:28:57,569 --> 02:28:53,970

allow evidence for a planet-destroying

3280

02:29:00,300 --> 02:28:57,579

phenomenon go uninvestigated or worse

3281

02:29:02,040 --> 02:29:00,310

yet go investigated by other superpowers

3282

02:29:03,929 --> 02:29:02,050

while you're sitting at home waiting

3283

02:29:06,210 --> 02:29:03,939

they'll give you a copy of their final

3284

02:29:08,719 --> 02:29:06,220

report no you have to send your own

3285

02:29:11,490 --> 02:29:08,729

people there to ascertain the facts if

3286

02:29:13,830 --> 02:29:11,500

the Russians and the Chinese

3287

02:29:16,740 --> 02:29:13,840

once is investigated together with us

3288

02:29:19,019 --> 02:29:16,750

wonderful they can pay for their share

3289

02:29:22,040 --> 02:29:19,029

of the freight to get to Mars but you

3290

02:29:24,569 --> 02:29:22,050

cannot no responsible American

3291

02:29:26,670 --> 02:29:24,579

administration of any political

3292

02:29:29,460 --> 02:29:26,680

persuasion will allow any other

3293

02:29:31,349 --> 02:29:29,470

superpower to get to Mars first and then

3294

02:29:33,990 --> 02:29:31,359

require that though is it going to

3295

02:29:36,689 --> 02:29:34,000

require that the superpower the other

3296

02:29:38,760 --> 02:29:36,699

one like China suddenly shows a more

3297

02:29:42,330 --> 02:29:38,770

overt effort towards their space program

3298

02:29:46,040 --> 02:29:42,340

will that be the thing that will make us

3299

02:29:48,899 --> 02:29:46,050

want to do so oh it's always in react

3300

02:29:52,080 --> 02:29:48,909

here's the point I'm making it okay so

3301

02:29:53,010 --> 02:29:52,090

back in the 50s we had the Russians

3302

02:29:55,170 --> 02:29:53,020

launch Sputnik

3303

02:29:56,939 --> 02:29:55,180

that was our Sputnik moment as we're

3304

02:29:58,620 --> 02:29:56,949

talking about now they've already said

3305

02:30:00,660 --> 02:29:58,630

it we've already had our spot in a

3306

02:30:02,250 --> 02:30:00,670

moment then we're going to go to the

3307

02:30:04,380 --> 02:30:02,260

moon what they told us they were gonna

3308

02:30:06,599 --> 02:30:04,390

go to the moon to harness helium-3 for

3309

02:30:08,580 --> 02:30:06,609

fusion a week later they said oh we

3310

02:30:10,590 --> 02:30:08,590

didn't really say that they actually did

3311

02:30:13,019 --> 02:30:10,600

this they said oh we didn't mean that

3312

02:30:15,809 --> 02:30:13,029

okay so they had a it's a Sputnik moment

3313

02:30:18,179 --> 02:30:15,819

that was walked back oh yes they walked

3314

02:30:20,609 --> 02:30:18,189

it back cuz they they studied what

3315

02:30:23,340 --> 02:30:20,619

happened to the Russians they know this

3316

02:30:26,580 --> 02:30:23,350

country once it gets it's mine to do

3317

02:30:28,679 --> 02:30:26,590

something can do astonishing and

3318

02:30:31,109 --> 02:30:28,689

terrible thing well yeah but you're

3319

02:30:33,450 --> 02:30:31,119

arguing John against this theory you're

3320

02:30:35,460 --> 02:30:33,460

saying here that they're afraid to have

3321

02:30:37,679 --> 02:30:35,470

that new Sputnik moment they're afraid

3322

02:30:39,030 --> 02:30:37,689

to admit what they're going to do or

3323

02:30:41,399 --> 02:30:39,040

what they hope to do because they don't

3324

02:30:44,880 --> 02:30:41,409

want to inspire us because we work best

3325

02:30:47,519 --> 02:30:44,890

in reaction to a crisis not as they say

3326

02:30:50,309 --> 02:30:47,529

being proactive in a situational space

3327

02:30:52,200 --> 02:30:50,319

program we were react we were defensive

3328

02:30:54,420 --> 02:30:52,210

reactive now it's going to take

3329

02:30:56,040 --> 02:30:54,430

something else what about et would et

3330

02:30:58,530 --> 02:30:56,050

have to land here would that help us

3331

02:31:00,269 --> 02:30:58,540

change things can we hold back at et

3332

02:31:02,649 --> 02:31:00,279

we'll be here next you'll have to read

3333

02:31:05,710 --> 02:31:02,659

my novel Morningstar past

3334

02:31:10,120 --> 02:31:05,720

explore that scenario et is probably

3335

02:31:11,710 --> 02:31:10,130

already landed here just like in a 1950

3336

02:31:13,960 --> 02:31:11,720

science fiction movie you want to know

3337

02:31:16,660 --> 02:31:13,970

where the first UFO abduction occurred

3338

02:31:19,059 --> 02:31:16,670

in a movie made in 1958 called the

3339

02:31:21,070 --> 02:31:19,069

mysterion's was a Japanese monster movie

3340

02:31:22,870 --> 02:31:21,080

and it had people in flying saucers

3341

02:31:25,240 --> 02:31:22,880

abducting earth women that was related

3342

02:31:27,639 --> 02:31:25,250

50s yeah late fifties right after

3343

02:31:30,540 --> 02:31:27,649

funding and that was when the Japanese

3344

02:31:33,250 --> 02:31:30,550

were first making all these nuclear

3345

02:31:35,170 --> 02:31:33,260

disaster movies like oh yeah Godzilla

3346

02:31:36,370 --> 02:31:35,180

Godzilla didn't come here because he

3347

02:31:39,160 --> 02:31:36,380

just came out of the ground

3348

02:31:41,500 --> 02:31:39,170

he was the result of mutation from a

3349

02:31:45,519 --> 02:31:41,510

nuclear weapons experimental right right

3350

02:31:47,830 --> 02:31:45,529

he came in trash Tokyo and Raymond Burr

3351
02:31:50,229 --> 02:31:47,840
in the American version was of course

3352
02:31:55,389 --> 02:31:50,239
there to tell us about it oh yes I I

3353
02:31:58,090 --> 02:31:55,399
love that movie I called the King

3354
02:31:59,649 --> 02:31:58,100
brothers bring this movie to America and

3355
02:32:02,229 --> 02:31:59,659
what they did is they dubbed it and they

3356
02:32:04,389 --> 02:32:02,239
filmed extra stuff and to make it local

3357
02:32:06,820 --> 02:32:04,399
to make it more appealing to Americans

3358
02:32:09,399 --> 02:32:06,830
they had Raymond Burr filmed these

3359
02:32:11,229 --> 02:32:09,409
segments oh yeah well if they did a good

3360
02:32:14,590 --> 02:32:11,239
job because it was a very effective

3361
02:32:17,019 --> 02:32:14,600
movie I mean it was it was scary even

3362
02:32:18,880 --> 02:32:17,029
though it was a big monster and tanks

3363
02:32:21,040 --> 02:32:18,890

were shooting at it and stuff like this

3364

02:32:22,660 --> 02:32:21,050

it wasn't like a werewolf creeping up on

3365

02:32:25,269 --> 02:32:22,670

you in the middle of the night it was a

3366

02:32:27,099 --> 02:32:25,279

scary movie because it was so stark and

3367

02:32:29,920 --> 02:32:27,109

rape I thought they put together a nice

3368

02:32:33,340 --> 02:32:29,930

movie including Raymond Burr because he

3369

02:32:36,609 --> 02:32:33,350

he basically would he had gravitas he'd

3370

02:32:38,830 --> 02:32:36,619

get on those are native right and his

3371

02:32:40,750 --> 02:32:38,840

best Perry Mason voice he'd make you

3372

02:32:43,960 --> 02:32:40,760

believe what was going on let's get away

3373

02:32:46,389 --> 02:32:43,970

from that okay sure sure so the key is

3374

02:32:48,429 --> 02:32:46,399

here the Chinese right now according to

3375

02:32:50,559 --> 02:32:48,439

what you say are afraid to create a new

3376

02:32:52,059 --> 02:32:50,569

Sputnik moment for space exploration and

3377

02:32:55,450 --> 02:32:52,069

let them be played let them be very

3378

02:32:56,979 --> 02:32:55,460

afraid okay so basically there's nothing

3379

02:33:00,729 --> 02:32:56,989

it's gonna happen right now

3380

02:33:03,010 --> 02:33:00,739

to convince the u.s. to suddenly start a

3381

02:33:05,859 --> 02:33:03,020

new space program except not but they

3382

02:33:06,939 --> 02:33:05,869

were already able to tell they won't be

3383

02:33:09,580 --> 02:33:06,949

able to you know when they launched

3384

02:33:11,920 --> 02:33:09,590

their first manned mission they waited

3385

02:33:14,649 --> 02:33:11,930

till the challenge the Columbia after

3386

02:33:15,490 --> 02:33:14,659

the Columbia disaster where we were

3387

02:33:17,769 --> 02:33:15,500

grounded

3388

02:33:20,170 --> 02:33:17,779

that's what they do they didn't they

3389

02:33:22,030 --> 02:33:20,180

wanted to lord it over us they couldn't

3390

02:33:23,679 --> 02:33:22,040

help themselves so if it's not the

3391

02:33:27,429 --> 02:33:23,689

Chinese is there anything else that

3392

02:33:29,830 --> 02:33:27,439

could you know the Russians have a lot

3393

02:33:32,170 --> 02:33:29,840

of oil money and they already have a

3394

02:33:34,300 --> 02:33:32,180

moon rocket called the energy up that

3395

02:33:36,490 --> 02:33:34,310

they could they I have the blueprints it

3396

02:33:38,740 --> 02:33:36,500

was launched twice it was very

3397

02:33:40,179 --> 02:33:38,750

successful and they have a lot of oil

3398

02:33:42,460 --> 02:33:40,189

money now in fact they're making money

3399

02:33:43,990 --> 02:33:42,470

every day because of all this trouble in

3400

02:33:46,120 --> 02:33:44,000

the Middle East because we get a lot of

3401

02:33:49,030 --> 02:33:46,130

our oil from Russia and maybe they're

3402

02:33:51,580 --> 02:33:49,040

controlling the oil speculators - all

3403

02:33:54,250 --> 02:33:51,590

very surprised well if you if you're if

3404

02:34:00,429 --> 02:33:54,260

you're Vladimir Putin you're sitting

3405

02:34:01,690 --> 02:34:00,439

there eating popcorn I don't think he's

3406

02:34:06,610 --> 02:34:01,700

that kind of person I think he's a

3407

02:34:10,599 --> 02:34:06,620

health food nut you know he's he's a

3408

02:34:14,349 --> 02:34:10,609

very smart guy and well by the way what

3409

02:34:16,179 --> 02:34:14,359

they're gonna do my my proposal back was

3410

02:34:18,280 --> 02:34:16,189

to continue the shuttle program and one

3411

02:34:21,190 --> 02:34:18,290

launch a year and I hope they do I

3412

02:34:23,349 --> 02:34:21,200

believe they will do that but if they

3413

02:34:26,349 --> 02:34:23,359

don't we're gonna end the shuttle

3414

02:34:27,820 --> 02:34:26,359

program with great fanfare and the

3415

02:34:31,510 --> 02:34:27,830

Chinese are gonna immediately start

3416

02:34:33,610 --> 02:34:31,520

launching many man people in those

3417

02:34:35,979 --> 02:34:33,620

spaces they can because they're gonna

3418

02:34:40,630 --> 02:34:35,989

they're gonna make us lose face so maybe

3419

02:34:42,670 --> 02:34:40,640

they just saying John they're going to

3420

02:34:45,309 --> 02:34:42,680

do without telling us they're just going

3421

02:34:46,330 --> 02:34:45,319

to launch the probe lon oh yeah the trip

3422

02:34:48,429 --> 02:34:46,340

to the mall you're not going to

3423

02:34:50,320 --> 02:34:48,439

Telegraph this information they're gonna

3424

02:34:52,090 --> 02:34:50,330

keep it secret they're going to launch

3425

02:34:54,729 --> 02:34:52,100

this and one day we'll wake up it's

3426

02:34:57,309 --> 02:34:54,739

already happened it's too late oh well

3427

02:35:01,599 --> 02:34:57,319

we keep it careful it's very difficult

3428

02:35:03,729 --> 02:35:01,609

to disguise a space launch but they're

3429

02:35:05,200 --> 02:35:03,739

gonna try and rub our faces in the fact

3430

02:35:05,710 --> 02:35:05,210

that we won't have a manned space

3431

02:35:10,540 --> 02:35:05,720

program

3432

02:35:12,460 --> 02:35:10,550

once we if we stop the shuttle I said

3433

02:35:14,170 --> 02:35:12,470

keep the shuttle going at one launch a

3434

02:35:19,269 --> 02:35:14,180

year until we have a replacement for

3435

02:35:21,660 --> 02:35:19,279

Dragon 9 or the you know the the dragon

3436

02:35:24,790 --> 02:35:21,670

space capsule have that delivering

3437

02:35:27,830 --> 02:35:24,800

americans to the space station then then

3438

02:35:31,250 --> 02:35:29,599

okay but why would they listen to John

3439

02:35:35,139 --> 02:35:31,260

Brandenburg they must have their own

3440

02:35:38,750 --> 02:35:35,149

ideas what they don't listen to you Oh

3441

02:35:41,660 --> 02:35:38,760

some people listen to me okay well we've

3442

02:35:43,700 --> 02:35:41,670

been listening to John we're just about

3443

02:35:45,860 --> 02:35:43,710

the end of this second journey with you

3444

02:35:48,200 --> 02:35:45,870

well the book again is called life and

3445

02:35:50,410 --> 02:35:48,210

death on Mars the new Mars synthesis

3446

02:35:53,170 --> 02:35:50,420

where all this is outlined all the

3447

02:35:56,510 --> 02:35:53,180

possibilities that make further Mars

3448

02:35:59,270 --> 02:35:56,520

exploration so compelling so attractive

3449

02:36:01,310 --> 02:35:59,280

maybe we did originate from Mars in some

3450

02:36:03,530 --> 02:36:01,320

fashion who knows what we might find

3451

02:36:04,940 --> 02:36:03,540

there what mysteries to resolve where

3452

02:36:08,540 --> 02:36:04,950

can our listeners find more of the

3453

02:36:10,610 --> 02:36:08,550

things you do um let's see oh I'm gonna

3454

02:36:13,340 --> 02:36:10,620

put up a Facebook page here pretty quick

3455

02:36:16,040 --> 02:36:13,350

I finally broken down decided to do that

3456

02:36:18,139 --> 02:36:16,050

and so if you're on Facebook you'll be

3457

02:36:20,450 --> 02:36:18,149

seeing a my facebook page where I'll

3458

02:36:22,730 --> 02:36:20,460

have kind of some of the things I do and

3459

02:36:24,860 --> 02:36:22,740

the books that I've written and see his

3460

02:36:26,990 --> 02:36:24,870

face ladies and gentlemen it'll be the

3461

02:36:29,540 --> 02:36:27,000

face on Mars Chris O'Brien where do we

3462

02:36:32,450 --> 02:36:29,550

find more of your stuff at our strange

3463

02:36:34,969 --> 02:36:32,460

planet comm and of course all right we

3464

02:36:36,800 --> 02:36:34,979

got a forum stop the podcast calm and

3465

02:36:39,110 --> 02:36:36,810

John we got to have you back to talk

3466

02:36:44,929 --> 02:36:39,120

about your new book which is the gym

3467

02:36:48,080 --> 02:36:44,939

unified young actually well he was

3468

02:36:49,820 --> 02:36:48,090

mostly right dr. John Brandenburg thank

3469

02:36:51,980 --> 02:36:49,830

you so much for joining us this week on

3470

02:36:54,320 --> 02:36:51,990

the Pera gasps okay we have to go to

3471

02:36:55,190 --> 02:36:54,330

Mars first and find out what caused the

3472

02:37:02,910 --> 02:36:55,200

big explosion

3473

02:37:07,710 --> 02:37:05,309

there is a copy of the presentation of

3474

02:37:10,040 --> 02:37:07,720

making the impossible incorporated tune