

Wow!

1		2			1	4	3
1	16	1			1		1
1	11	1		1		11	1
	1					3	1
1	6	2			3	1	
1	24	3	12	1	2	1	1
	Q	1	1	2	1	1	1
	U	3	1		3	7	1
2	J	1	3	1	3	1	1
	5	1				1	1
	14		1		113		2
1	3	1		1		1	
1	4			1		1	11
	4	1	1	1	1	1	111
	1				1		2
1	1	1				11	1
	1			1			14

1
00:00:43,430 --> 00:00:27,670
[Music]

2
00:00:47,990 --> 00:00:45,590
broadcasting from the ufo

3
00:00:49,990 --> 00:00:48,000
by charles lear it was recently

4
00:00:51,510 --> 00:00:50,000
announced that the radio telescope in

5
00:00:54,950 --> 00:00:51,520
arecibo puerto rico

6
00:00:56,869 --> 00:00:54,960
the world's largest until 2016 is beyond

7
00:00:59,590 --> 00:00:56,879
repair and will be demolished

8
00:01:01,110 --> 00:00:59,600
it is an icon of modern astronomy on par

9
00:01:03,510 --> 00:01:01,120
with the very large array

10
00:01:04,310 --> 00:01:03,520
seen in the movie contact located in new

11
00:01:06,230 --> 00:01:04,320
mexico

12
00:01:07,830 --> 00:01:06,240
and the news has stirred an emotional

13
00:01:10,390 --> 00:01:07,840

response among many

14

00:01:12,310 --> 00:01:10,400

for ufologists the arecibo telescope

15

00:01:14,310 --> 00:01:12,320

holds a special significance

16

00:01:16,310 --> 00:01:14,320

it was from this telescope on november

17

00:01:18,149 --> 00:01:16,320

16 1974

18

00:01:20,230 --> 00:01:18,159

that the first scientist approved

19

00:01:21,749 --> 00:01:20,240

message intended for extraterrestrial

20

00:01:23,830 --> 00:01:21,759

intelligence was set

21

00:01:26,070 --> 00:01:23,840

it consists of a series of binary

22

00:01:27,350 --> 00:01:26,080

numbers that code for a graphic giving

23

00:01:29,350 --> 00:01:27,360

basic information

24

00:01:30,390 --> 00:01:29,360

about the chemistry of life on earth

25

00:01:33,190 --> 00:01:30,400

human dna

26
00:01:35,030 --> 00:01:33,200
human form and the telescope itself the

27
00:01:37,510 --> 00:01:35,040
message was designed by cornell

28
00:01:40,069 --> 00:01:37,520
astronomy professor dr frank drake

29
00:01:40,789 --> 00:01:40,079
with input from others including dr carl

30
00:01:43,109 --> 00:01:40,799
sagan

31
00:01:44,069 --> 00:01:43,119
if anyone ever responds there are many

32
00:01:45,910 --> 00:01:44,079
out there listening

33
00:01:47,469 --> 00:01:45,920
from radio astronomers to those

34
00:01:49,749 --> 00:01:47,479
specifically searching for

35
00:01:51,830 --> 00:01:49,759
extraterrestrial intelligence

36
00:01:53,429 --> 00:01:51,840
but there are those who believe the call

37
00:01:56,630 --> 00:01:53,439
has already been returned

38
00:01:58,630 --> 00:01:56,640

on november 15 1977 a strong

39

00:02:01,190 --> 00:01:58,640

intermittent signal was picked up by the

40

00:02:04,149 --> 00:02:01,200

big ear telescope in delaware ohio

41

00:02:06,069 --> 00:02:04,159

it lasted for 72 seconds and stood out

42

00:02:06,789 --> 00:02:06,079

in sharp contrast to the background

43

00:02:09,109 --> 00:02:06,799

noise

44

00:02:11,589 --> 00:02:09,119

the signal was powerful and unusual and

45

00:02:14,309 --> 00:02:11,599

prompted astronomer jerry eamon to write

46

00:02:16,309 --> 00:02:14,319

wow next to the signal on a printout the

47

00:02:18,390 --> 00:02:16,319

team focused on the area of the signal's

48

00:02:20,869 --> 00:02:18,400

origin but it never returned

49

00:02:22,229 --> 00:02:20,879

observatory director john krause wrote

50

00:02:24,750 --> 00:02:22,239

to carl sagan that

51
00:02:26,949 --> 00:02:24,760
the signal is highly suggestive of

52
00:02:28,630 --> 00:02:26,959
extraterrestrial intelligent origin

53
00:02:30,550 --> 00:02:28,640
but little more can be said until it

54
00:02:32,869 --> 00:02:30,560
returns for further study

55
00:02:34,630 --> 00:02:32,879
it never did return but there has been a

56
00:02:36,390 --> 00:02:34,640
recent discovery in the area of our

57
00:02:37,910 --> 00:02:36,400
galaxy that produced it

58
00:02:40,229 --> 00:02:37,920
krause and his team had looked for

59
00:02:42,790 --> 00:02:40,239
sun-like stars there and found none

60
00:02:44,550 --> 00:02:42,800
now thanks to gaia a european space

61
00:02:47,190 --> 00:02:44,560
agency space observatory

62
00:02:48,790 --> 00:02:47,200
1.3 billion stars have been mapped

63
00:02:51,750 --> 00:02:48,800

enabling the creation of the most

64

00:02:54,550 --> 00:02:51,760

detailed 3d map of our galaxy to date

65

00:02:56,869 --> 00:02:54,560

amateur astronomer alberto caballero

66

00:02:59,110 --> 00:02:56,879

used the map to re-examine the area

67

00:03:00,070 --> 00:02:59,120

and found a single potential sun-like

68

00:03:07,430 --> 00:03:00,080

star named

69

00:03:12,550 --> 00:03:09,190

it sits in the constellation of

70

00:03:14,390 --> 00:03:12,560

sagittarius and is 1800 light years away

71

00:03:16,229 --> 00:03:14,400

the next step is to find an earth-like

72

00:03:18,630 --> 00:03:16,239

planet next to it with a wow

73

00:03:20,110 --> 00:03:18,640

transmitter a few months later on

74

00:03:23,270 --> 00:03:20,120

november 26

75

00:03:25,910 --> 00:03:23,280

1977 another mysterious transmission

76
00:03:26,949 --> 00:03:25,920
got the attention of southern englanders

77
00:03:28,869 --> 00:03:26,959
it was saturday

78
00:03:30,309 --> 00:03:28,879
and at five o'clock people were sitting

79
00:03:32,630 --> 00:03:30,319
down and listening to the day's

80
00:03:35,110 --> 00:03:32,640
headlines read by andrew gardner

81
00:03:37,350 --> 00:03:35,120
news anchor for southern television at

82
00:03:39,430 --> 00:03:37,360
six minutes past the picture wobbled

83
00:03:41,270 --> 00:03:39,440
and gardner was drowned out by a strange

84
00:03:42,750 --> 00:03:41,280
voice with an ominous message

85
00:03:44,630 --> 00:03:42,760
accompanied by a slow

86
00:03:46,789 --> 00:03:44,640
electronic-sounding low-tone

87
00:03:47,910 --> 00:03:46,799
rhythmic beat it began with an

88
00:03:50,070 --> 00:03:47,920

introduction

89

00:03:52,229 --> 00:03:50,080

this is the voice of rillon a

90

00:03:52,789 --> 00:03:52,239

representative of the ashtar galactic

91

00:03:54,949 --> 00:03:52,799

command

92

00:03:57,670 --> 00:03:54,959

speaking to you vrillon then told

93

00:03:59,910 --> 00:03:57,680

listeners that he and others of the agc

94

00:04:01,830 --> 00:03:59,920

had been seen by earthlings as lights in

95

00:04:03,990 --> 00:04:01,840

the sky for many years

96

00:04:04,869 --> 00:04:04,000

the rest of the message lasting over

97

00:04:06,949 --> 00:04:04,879

five minutes

98

00:04:08,309 --> 00:04:06,959

was a warning to take action to avoid a

99

00:04:10,869 --> 00:04:08,319

coming disaster

100

00:04:11,429 --> 00:04:10,879

it was explained that as earth passed

101
00:04:13,990 --> 00:04:11,439
into

102
00:04:15,830 --> 00:04:14,000
the new age of aquarius there would be

103
00:04:18,229 --> 00:04:15,840
an opportunity to share

104
00:04:19,270 --> 00:04:18,239
in the great awakening but only if we

105
00:04:21,509 --> 00:04:19,280
could get rid of our

106
00:04:22,310 --> 00:04:21,519
weapons of evil and learn to live in

107
00:04:24,790 --> 00:04:22,320
peace

108
00:04:25,670 --> 00:04:24,800
vrillon warned against false prophets

109
00:04:28,469 --> 00:04:25,680
and guides

110
00:04:29,350 --> 00:04:28,479
who would suck energy from us energy you

111
00:04:31,270 --> 00:04:29,360
call money

112
00:04:33,670 --> 00:04:31,280
and we'll put it to evil ends and give

113
00:04:35,350 --> 00:04:33,680

you worthless dross in return

114

00:04:37,350 --> 00:04:35,360

at the end of the message villain

115

00:04:39,909 --> 00:04:37,360

thanked the audience for their attention

116

00:04:41,590 --> 00:04:39,919

the last words were we are now leaving

117

00:04:43,749 --> 00:04:41,600

the plane of your existence

118

00:04:45,350 --> 00:04:43,759

may you be blessed by the supreme love

119

00:04:47,110 --> 00:04:45,360

of the cosmos

120

00:04:48,870 --> 00:04:47,120

throughout the message the sound of the

121

00:04:49,590 --> 00:04:48,880

regular broadcast could be heard

122

00:04:51,350 --> 00:04:49,600

underneath

123

00:04:53,670 --> 00:04:51,360

with commercials and their music in a

124

00:04:55,350 --> 00:04:53,680

surreal contrast to the seriousness of

125

00:04:57,590 --> 00:04:55,360

vrillon's message

126
00:04:59,830 --> 00:04:57,600
following the message the rhythmic beat

127
00:05:02,870 --> 00:04:59,840
increased in tone and frequency

128
00:05:04,550 --> 00:05:02,880
and then stopped then as those signaling

129
00:05:06,390 --> 00:05:04,560
the end of a cosmic joke

130
00:05:08,230 --> 00:05:06,400
the looney tunes theme introducing a

131
00:05:10,870 --> 00:05:08,240
bug's bunny cartoon came on

132
00:05:13,110 --> 00:05:10,880
as part of the normal broadcast while

133
00:05:15,270 --> 00:05:13,120
vrilan was new to the people of earth

134
00:05:16,909 --> 00:05:15,280
ashtar was an old acquaintance dating

135
00:05:20,390 --> 00:05:16,919
back to july 18

136
00:05:21,670 --> 00:05:20,400
1952. this was the day contactee george

137
00:05:23,909 --> 00:05:21,680
van tassel claimed

138
00:05:25,670 --> 00:05:23,919

ashtar had telepathically communicated

139

00:05:27,029 --> 00:05:25,680

with him according to christopher

140

00:05:29,830 --> 00:05:27,039

helland in his entry

141

00:05:31,830 --> 00:05:29,840

ashtar command on the website world

142

00:05:34,110 --> 00:05:31,840

religions and spirituality

143

00:05:35,350 --> 00:05:34,120

robert short also claimed contact in

144

00:05:37,909 --> 00:05:35,360

1952

145

00:05:38,710 --> 00:05:37,919

and established ashtar command that same

146

00:05:41,029 --> 00:05:38,720

year

147

00:05:42,469 --> 00:05:41,039

ashtar galactic command was established

148

00:05:44,870 --> 00:05:42,479

in 1977

149

00:05:46,150 --> 00:05:44,880

by thelma b terrell who called herself

150

00:05:48,070 --> 00:05:46,160

tuella

151
00:05:50,230 --> 00:05:48,080
southern television ran announcements

152
00:05:52,310 --> 00:05:50,240
every half hour after the broadcast to

153
00:05:54,950 --> 00:05:52,320
assure listeners that it was a hoax

154
00:05:57,029 --> 00:05:54,960
and that earth was not being invaded the

155
00:05:58,950 --> 00:05:57,039
independent broadcasting authority vowed

156
00:06:01,670 --> 00:05:58,960
to prosecute those responsible

157
00:06:03,350 --> 00:06:01,680
but no one was ever found or accused

158
00:06:05,029 --> 00:06:03,360
there are those who believe the message

159
00:06:06,870 --> 00:06:05,039
actually came from our space brothers

160
00:06:07,430 --> 00:06:06,880
and sisters and with no one else to

161
00:06:10,070 --> 00:06:07,440
blame

162
00:06:11,749 --> 00:06:10,080
who's to convince them otherwise while

163
00:06:13,749 --> 00:06:11,759

no direct link to the message

164

00:06:15,189 --> 00:06:13,759

sent from arecibo has been established

165

00:06:16,790 --> 00:06:15,199

in the above incidents

166

00:06:18,629 --> 00:06:16,800

an altered version of the graphic

167

00:06:21,189 --> 00:06:18,639

carried in the message appeared as a

168

00:06:22,710 --> 00:06:21,199

crop formation in 2001

169

00:06:24,309 --> 00:06:22,720

it appeared in a field next to

170

00:06:26,710 --> 00:06:24,319

chilbolton observatory

171

00:06:28,469 --> 00:06:26,720

a radio telescope in southern england

172

00:06:28,870 --> 00:06:28,479

there had been other formations before

173

00:06:30,629 --> 00:06:28,880

this

174

00:06:33,270 --> 00:06:30,639

in the same field starting with the

175

00:06:34,790 --> 00:06:33,280

depiction of a crystal in 1999

176

00:06:37,189 --> 00:06:34,800

and then a complex pattern of

177

00:06:40,230 --> 00:06:37,199

interlocked circles in 2000

178

00:06:42,070 --> 00:06:40,240

in 2001 a pixelated alien looking face

179

00:06:44,629 --> 00:06:42,080

appeared on august 13th

180

00:06:46,070 --> 00:06:44,639

followed by the arecibo response on

181

00:06:48,150 --> 00:06:46,080

august 19th

182

00:06:50,150 --> 00:06:48,160

the response graphic has differences

183

00:06:51,909 --> 00:06:50,160

that seem to relate to the alien makeup

184

00:06:53,749 --> 00:06:51,919

of the supposed senders

185

00:06:56,469 --> 00:06:53,759

the original message had a symbol for

186

00:06:58,469 --> 00:06:56,479

carbon as we humans are carbon based

187

00:07:00,309 --> 00:06:58,479

whereas the reply has a symbol for

188

00:07:01,909 --> 00:07:00,319

silicon in its place

189

00:07:04,469 --> 00:07:01,919

where there was a two-stranded double

190

00:07:06,870 --> 00:07:04,479

helix representing our dna molecule

191

00:07:09,029 --> 00:07:06,880

there is a third strand added a figure

192

00:07:11,110 --> 00:07:09,039

representing human form is replaced with

193

00:07:13,110 --> 00:07:11,120

a large headed small-bodied figure

194

00:07:15,589 --> 00:07:13,120

and an image representing the arecibo

195

00:07:17,589 --> 00:07:15,599

telescope is replaced with an image much

196

00:07:19,189 --> 00:07:17,599

like the 2000 crop formation of

197

00:07:20,950 --> 00:07:19,199

interlocking circles

198

00:07:22,230 --> 00:07:20,960

the complexity of the formation and

199

00:07:24,309 --> 00:07:22,240

those that preceded it

200

00:07:26,710 --> 00:07:24,319

has caused some to believe it was an

201
00:07:27,510 --> 00:07:26,720
actual response by aliens to the arecibo

202
00:07:29,990 --> 00:07:27,520
message

203
00:07:31,990 --> 00:07:30,000
it was certainly elaborate for a hoax

204
00:07:32,710 --> 00:07:32,000
the seti institute responded to the

205
00:07:34,790 --> 00:07:32,720
believers

206
00:07:37,589 --> 00:07:34,800
with reasons why they believed it was a

207
00:07:40,070 --> 00:07:37,599
hoax they asked the obvious question

208
00:07:41,830 --> 00:07:40,080
if the aliens can receive a radio signal

209
00:07:42,469 --> 00:07:41,840
why did they leave a message in a wheat

210
00:07:45,350 --> 00:07:42,479
field

211
00:07:45,909 --> 00:07:45,360
next to a perfectly good radio telescope

212
00:07:48,550 --> 00:07:45,919
the wow

213
00:07:50,710 --> 00:07:48,560

signal vrillon and the arecibo response

214

00:07:51,589 --> 00:07:50,720

have become a permanent part of the ufo

215

00:07:53,189 --> 00:07:51,599

mythos

216

00:07:55,189 --> 00:07:53,199

whether or not they turn one into a

217

00:07:55,830 --> 00:07:55,199

believer they're certainly food for

218

00:07:57,990 --> 00:07:55,840

thought

219

00:08:00,309 --> 00:07:58,000

it would be amazing if frillon was an

220

00:08:01,510 --> 00:08:00,319

alien or the crop formation an actual

221

00:08:03,909 --> 00:08:01,520

alien message

222

00:08:17,700 --> 00:08:03,919

but if they're hoaxes they're still