

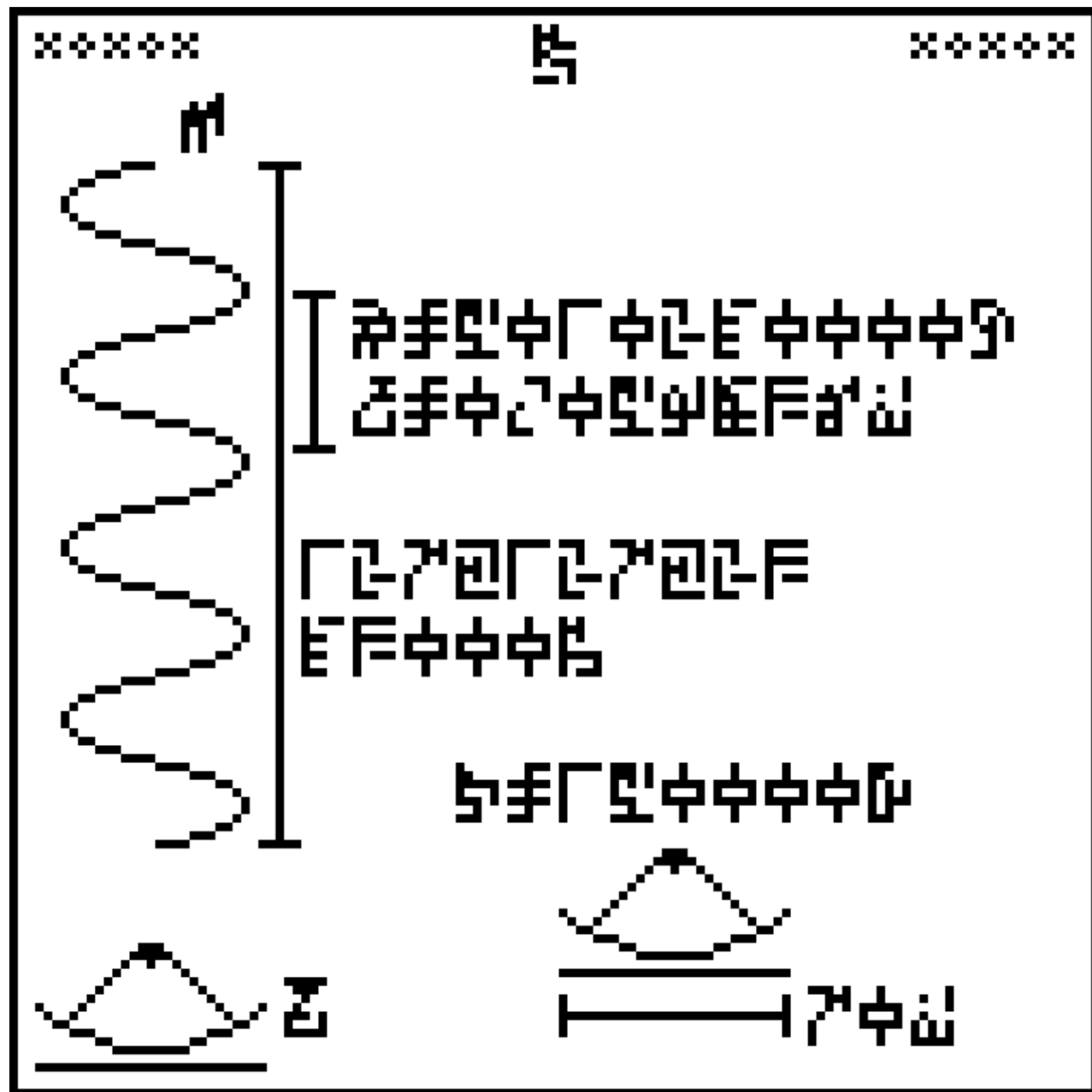
# The Universe of Discourse

Sun, 06 Dec 2015

## A message to the aliens, part 21/23 (the message)

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This is page 21 of the [Cosmic Call](#) message. An explanation follows.



The 10 digits are:

0 1 2 3 4 5 6 7 8 9



This page discusses the message itself. It is headed with the glyph for "physics"

The leftmost part of the page has a cartoon of the [Yevpatoria RT-70 radio telescope](#)

that was used to send the message, labeled "Earth". Coming out the the telescope is a stylized depiction of a radio wave. Two rulers measure the radio wave.



The smaller one measures a single wavelength, and is labeled "frequency" =

5,010,240,000 Hz" and "wavelength" = 0.059836 meters"; these are the frequency and the wavelength of the radio waves used to send the message. The longer ruler has the notation

"127×127×23", describing the format of the message itself, 23 pages of 127×127 bitmaps, and also "43000 people", which I do not understand at all. Were 43,000 people somehow involved with sending the message? That seems far too many. Were there 43,000 people in Yevpatoria in 1999? That seems far too few; the current population is over 100,000. I am mystified.

At the other end of the radio wave is the glyph, which is hard to decipher, because it appears only on this page and on the unhelpful [page 23](#). I *guess* it is intended to refer to the recipients of the message.

[ Addendum 20151219: Having reviewed page 23, I am still in the dark. References to the mass and radius of suggest that it refers to the recipients' *planet*, but references to the mathematics, physics, and biology of suggests that it refers to the recipients themselves. ]

In the lower-right corner of the page is another cartoon of the RT-70, this time with a ruler underneath showing its diameter, 70 meters. Above the cartoon is the power output of the telescope, 150 kilowatts.

The [next article](#) will discuss page 22, shown at right. (Click to enlarge.) Try to figure it out before then.



[\[Other articles in category /aliens/dd\]](#) [permanent link](#)