

THE GIZA PYRAMID COMPLEX AS A SINGLE COMMUNICATION DEVICE AND THE PROPOSED LOCATIONS OF NEW PREMISES IN THE PYRAMID OF CHEOPS

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Abstract

In connection with earlier research results, a hypothesis was formulated: the purpose of the Giza pyramid complex is a single communication device. The communication technology is based on the currently known phased array antenna design, and the method of signal generation is based on mechanical action on a substance by means of a pulse. The three signal sources of the pyramid complex form a common directional wave front. It has been revealed that the straight line connecting the sarcophagi of the pyramids of Mykerinus and Chephren does not run along the path of the "King's Chamber" of the pyramid of Cheops, but passes by – a little to the west of this path. In this regard, and taking into account other studies, a model has been constructed for the location of the new rooms and galleries of the Pyramid of Cheops with the assumed locations of their origin from the King's Chamber.

1 Introduction

An earlier publication [1] considered the hypothesis that the Giza pyramid complex was, by analogy with modern communication devices, a single communication device. The following arguments were given. If you draw a straight line that intersects the main chambers of the pyramids, they form a single line (Figure 1). By analogy with a phased array device (an antenna array whose radiation direction is controlled by changing the amplitude-phase distribution of currents or excitation fields on the emitting elements (Figure 2)), we assumed that the Giza pyramid complex is a similar communication device. According to modern concepts, the radiating element of a phased array antenna is an integral part of an antenna array, an antenna or a group of antennas with a given relative excitation. In such an antenna array, the required radiation pattern is formed due to a specially organized interference of electromagnetic waves emitted into space by its radiating elements (Figure 2). For this purpose, the necessary amplitude-phase distribution is provided – the necessary relative amplitudes and initial phases of alternating currents or fields of excitation of each radiating element of the antenna array. In a phased array, the amplitude-phase distribution is not fixed – it can be adjusted (controllably changed) during operation. Due to this, it is possible to move the beam (the main lobe of the radiation pattern) of the antenna array in a certain sector of space or change the shape of the radiation pattern. The advantages of this technology are that it allows you to increase the directional coefficient by about several times and, consequently, the antenna gain compared to a single radiator, as well as narrow the beam to increase noise immunity, angular resolution, and accuracy of direction finding of radio sources in radar and radio navigation.

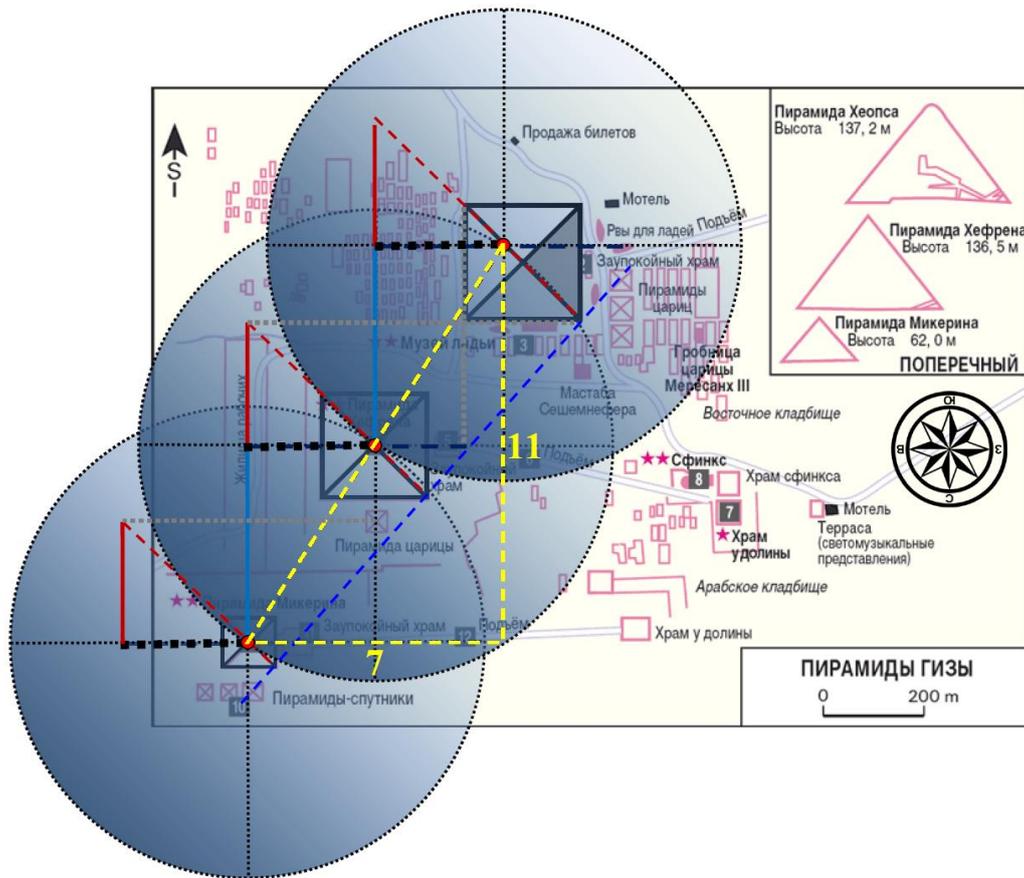


Figure 1 is a diagram of the pyramids on the Giza plateau. The circles indicate the wave fronts forming a single wave front [1]

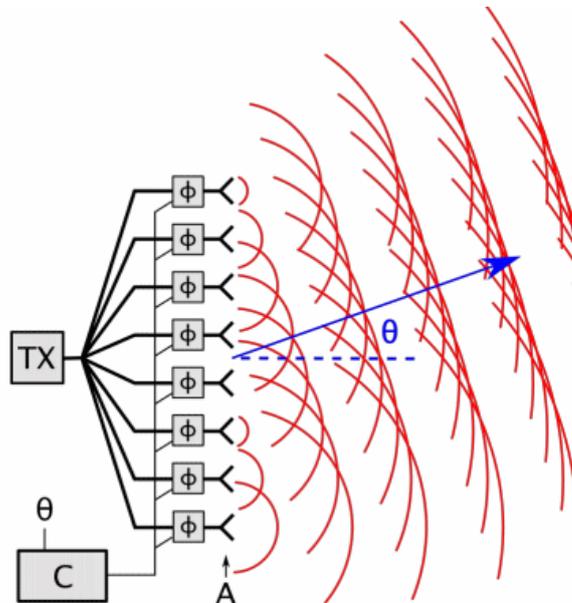


Figure 2 – Principle of operation of a phased array antenna

2 The main part

In connection with earlier research results [1, 2, 3], a hypothesis was formulated: the purpose of the Giza pyramid complex is a single communication device. The communication technology is based on the currently known phased array antenna design, and the method of signal generation is based on mechanical action on a substance by means of a pulse. The three signal sources of the pyramid complex form a common directional wave front.

It was revealed that the straight line (Figure 3) connecting the sarcophagi of the pyramids of Mykerinus and Chephren does not run along the path of the "King's Chamber" of the pyramid of Cheops, but passes by – a little to the west of this path. In this regard, and taking into account other studies [2, 3], a model of the location of the new rooms and galleries of the pyramid of Cheops (Figure 4) was constructed with the assumed places of their origin from the "King's Chamber" (blocked with granite plugs) (Figure 5).

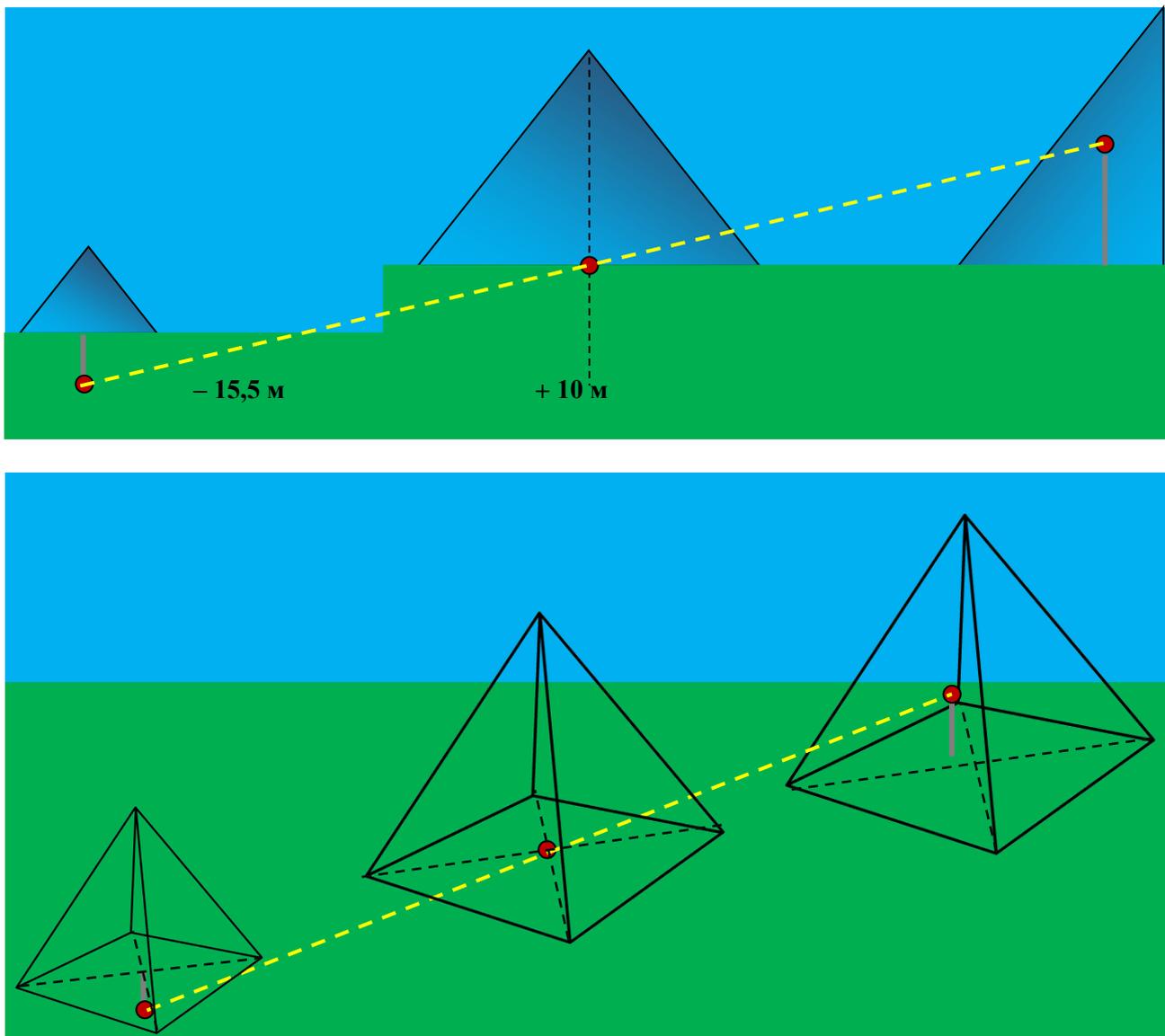


Figure 3 – Schematic model of the pyramids of the Giza plateau and the straight line (yellow line) connecting the sarcophagi of the pyramids of Mykerinus, Chephren, and Cheops (red dots) [1]

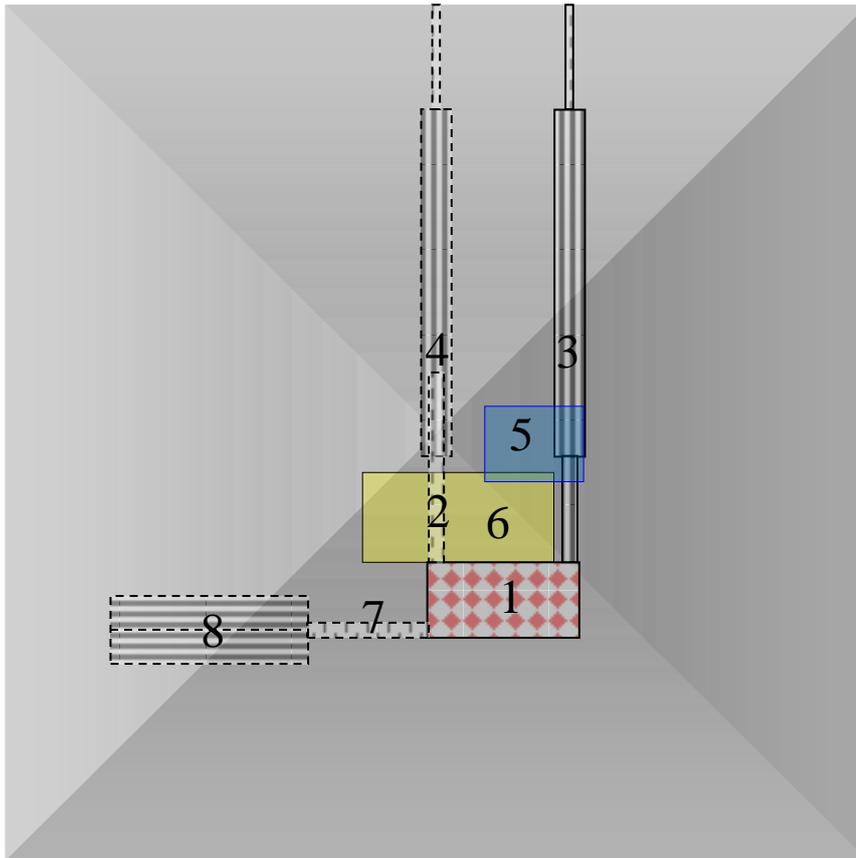


Figure 4 is a model of the location of the new rooms of the pyramid of Cheops (top view), where: 1 is the King's chamber, 2 is a proposed tunnel (length ≈ 5 m wide $\approx 1.05 \times 1.05$ m), 3 is a gallery, 4 is a proposed gallery, 5 is the Queen's chamber, 6 is an underground chamber, 7 is a proposed tunnel (≈ 8 m long, $\approx 1.05 \times 1.05$ m wide), 8 – proposed chamber (≈ 14 m long, ≈ 5 m wide)

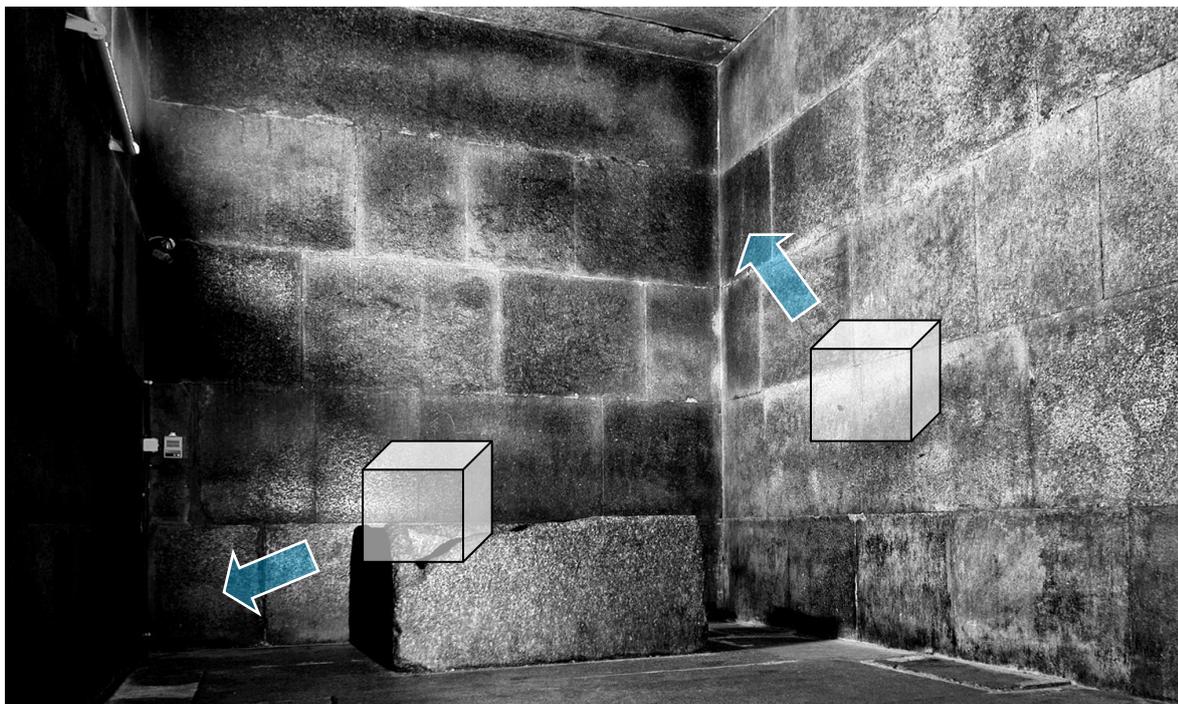


Figure 5 – The interior of the pyramid of Cheops "King's Chamber" and the likely locations of the start of the proposed new gallery and chamber

3 Conclusion

1. In connection with earlier research results, a hypothesis was formulated: the purpose of the Giza pyramid complex is a single communication device. The communication technology is based on the currently known phased array antenna design, and the method of signal generation is based on mechanical action on a substance by means of a pulse. The three signal sources of the pyramid complex form a common directional wave front.

2. It was revealed that the straight line connecting the sarcophagi of the pyramids of Mykerinus and Chephren does not run along the path of the "King's Chamber" of the pyramid of Cheops, but passes by – a little to the west of this path. In this regard, and taking into account other studies, a model has been constructed for the location of the new rooms and galleries of the Pyramid of Cheops with the assumed locations of their origin from the King's Chamber.

References

- [1] Ворон, А.В. Комплекс пирамид Гизы как единое устройство связи // «Академия Тринитаризма», М., Эл № 77-6567, публ.24559, 16.06.2018.
- [2] Ворон, А.В. Результаты проекта «Scan Pyramids» и геометрия предполагаемого помещения пирамиды Хуфу // «Академия Тринитаризма», М., Эл № 77-6567, публ.27328, 15.09.2021.
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