CHRISTIAN OF THE HOPE
Have love one another, as he loved us!
We are one in a bond of Love

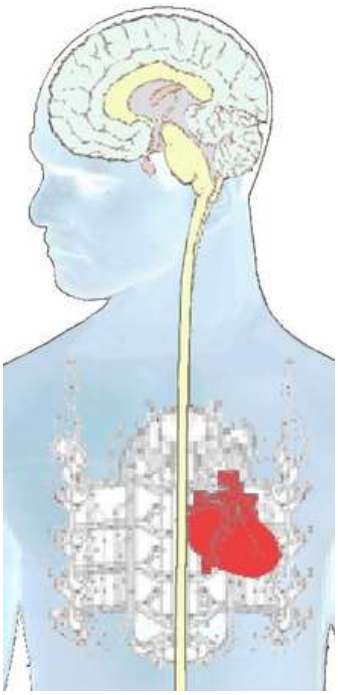
SCIENCE AND FAITH

2 - The Small Brain of the Heart.

2 - 1 - Installed like antenna, it receives a good protection of the rib cage. It is driving the cardiac coherence and it dialogues with our cranial brain

Approximate representation of the Small Brain of the Heart, connected to the cranial brain through the spinal cord

Even if the 40000 neurons of the Small Brain of the Heart are near this one, the representation of their disposition does not come from confirmed scientific data.



We will not name all the biblical passages in which Jesus alludes to the renewal of the heart. Until the early 90s, even if we could speak of impulse of the heart to express feelings, take to heart, and so many other expressions with heart, this did not mean much to scientists, since the heart is in itself, a simple muscle. If science had not progressed, we could always consider the perception of our feelings around the heart as the result of the cardiac and respiratory variations, and still regarded Jesus as a mere visionary who knew nothing about human nature in relation our current knowledge. **Yet one thing has considerably changed since then because American researchers managed to highlight near the heart, a network of 40,000 neurons identical to those of the cranial brain.** It is therefore more than just physical perceptions, because the expression of feelings just like those contained in our brain. The experiences of these researchers have also not stopped at this finding alone, but also showed that this neural network interacts with the brain when stimulated by positive feelings, like love, compassion , generosity, tolerance, and many other feelings that we call generally impulses of the heart. So when we speak of sensations of the heart, this is obviously the dialogue between the brain and this cranial neural network already considered by these researchers at that time as a semi-autonomous organ.

This “organ” is placed a little like an antenna transmitting and receiving could be, as it is housed in the rib cage, it almost completely takes the shape. Perhaps would it be also possible to conceive it as a "memory card", a relay near the heart and lungs to ensure cardiac coherence? However, it would ignore its participation, both in the expression of feelings that we have just mentioned, that trigger the short circuit of the brain in which it participates in concordance with our sensory thalamus (center analysis of our five senses) , whose data are correlated with those loaded in the tonsil, according to the context met.

Each one can realize indeed of impacts from the short circuit of the brain produced by the small brain of the heart, when, put in a situation of stress or fear, our cardiac rhythm accelerates, causing the impossibility of any cognitive analysis, and motivating to the escape, to the combat, or the shout for help. It is not then perceptions as hearing, the sight or touched, but he produces the same impacts as these organs on tonsil, as we saw in the paragraph 1-5.

This “organ” made up of its 40 000 neurons, is besides in constant dialog with our principal brain, and we have a possible impact scientifically on this one by learning techniques for a better management of cardiac coherence, which proves its individuality with regard to the main brain, unlike the nerves that would only pass on information.

This dialogue, or may be another function of this organ, also generates a significant **magnetic field,** revealed and measured by **"The Institute of Heart Math",** as we shall see it in the following paragraph.