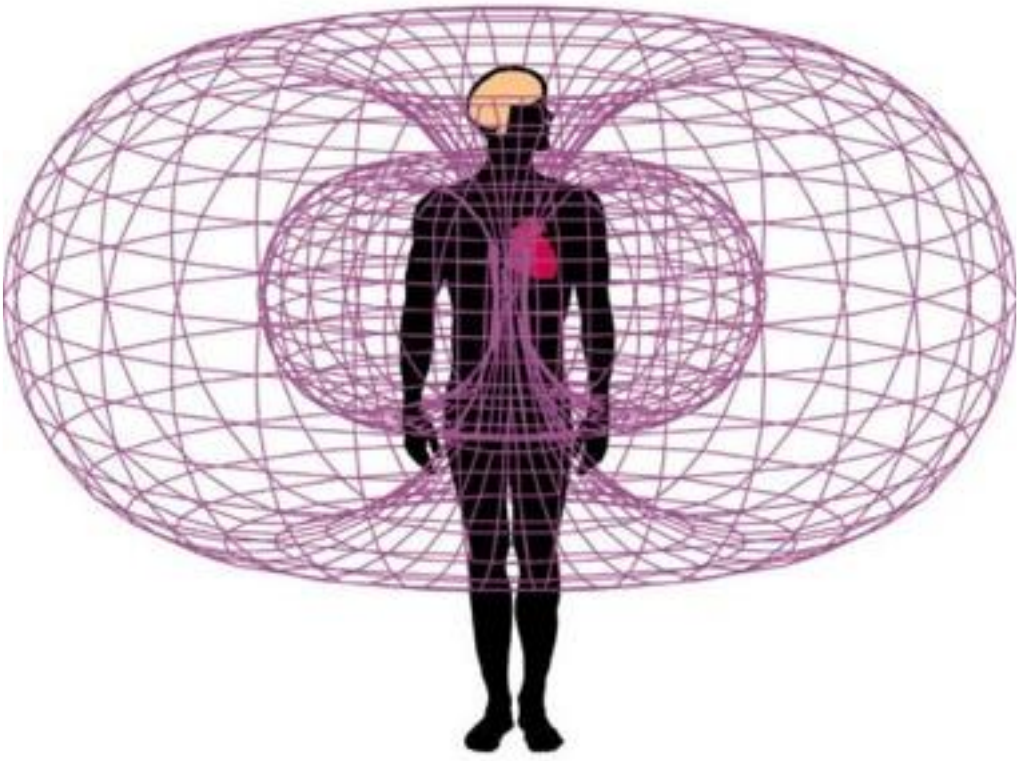
Eponaquest CLIENT HANDOUT

The Hearts' Electromagnetic Field



The heart is the most powerful generator of electromagnetic energy in the human body. It produces the largest rhythmic electromagnetic field of any of the body's organs.

The heart's electrical field is about 60 times greater in amplitude than the electrical activity generated by the brain. This field, measured in the form of an electrocardiogram (ECG), can be detected anywhere on the surface of the body. Furthermore, the magnetic field produced by the heart is more than 5,000 times greater in strength than the field generated by the brain.

The human hearts' electromagnetic field can be detected a number of feet away from the body, in all directions, using SQUID-based magnetometers.