

ADDICTION AND HARM FROM CELLPHONES

**By Barrie Trower
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All microwave irradiation will excite biological atomic structures, increasing entropy:

Thence thermal molecular energy , in combination with induced electric and magnetic vectors, will induce similar motion in nearby structures: therefore, absorption frequency = emission frequency = absorption frequency in perpetuity (Kirchhoff's Principle).

The reader may wish to contemplate the soft, moist skulls of children and their developing neurological circuitry with their need to communicate.

Essential to my understanding was knowledge gleaned from scrutinising:

References:

- (a) Special Collectors Edition, Scientific American
"Mysteries of the Mind" (Summer 2017)***
- (b) National Geographic Special Publication "The Brain"
2022/ISSA 2160-7141***

Nucleus Accumbens

Amplifies craving in response to pleasure

Prefrontal Cortex

Helps produce glutamate (amino acid) which interacts with dopamine to help cure cravings

Ventral Pallidum

Animal experiments show if it is damaged, can change pleasure to disgust

Ventral Tegmental (Area)

Dopamine is produced here – Flows along neurons to brains’” reward system”

Orbitofrontal Cortex

Produces feeling of gratification and will shut down if indulgence is excessive

Pineal

Affected by light; helps in the production of melatonin, a hormone which helps daily body rhythms

Amygdala

Thought to “inform” brain concerning sense of smell

Hippocampus

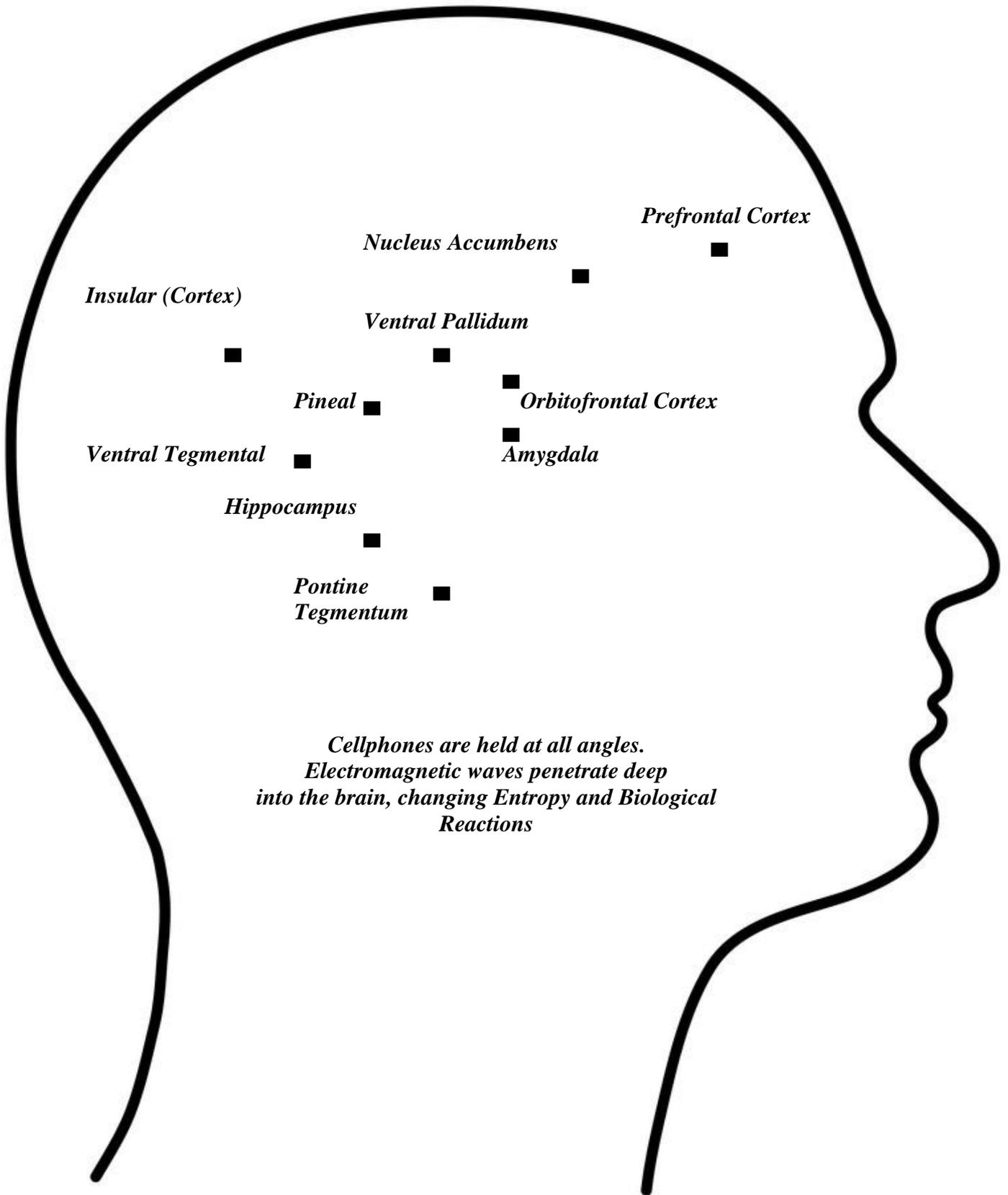
Thought to be a centre of emotion and the autonomic nervous system: i.e. regulates the function of some internal organs independently

Pontine Tegmentum

A bridge between body and brain: associated with sleep, arousal, sensory and motor functions

Insular

Audio-Visual intergration tasks, homeostatis, self-awareness (consciousness); activated when users are exposed to cocaine, alcohol, opiates and nicotine (not known if it is a target of the mesocortical dopamine system!)



The Reader needs to appreciate that these biological structures are not “dots” in the Brain. For example, the Nucleus Accumbens’ Myelin Sheath Neurotransmitters are parallel to those of the Amygdala, which lay along the top of the Hippocampus. The ≈ 86 billion intertwined Neurons are all interconnected.