

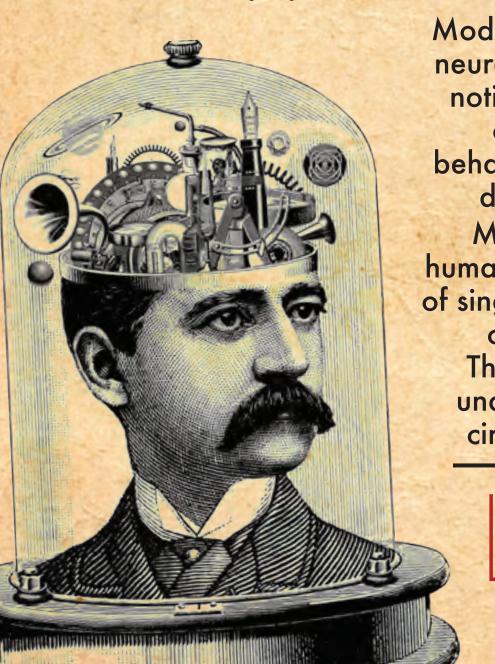
include transcendental meditation, levitation, psychokinesis, clairvoyance, precognition, telepathy, accelerated IQ's, & psychic healing. The 10% myth opens up many appealing possibilities and offers "new-agers" hope.

exposed to intense synthetic drugs or procedures, achieve paranormal powers of their mind. They have unlocked their brain's full potential, and they make it look empowering and sexy.

The self-improvement industry, undeniably, has the most to gain from perpetuating this myth. We live in a culture that glorifies commercialized motivational speakers and consumes self-help literature on the daily - both preaching the possibilities of opening yourself up to transcendence to higher planes of knowledge and experience. Often suggesting that, as humans, we have yet to reach our full neurophysiological potential and endlessly referencing the "latent powers of the mind".

Unfortunately, this also promotes a culture of dissatisfaction with ourselves and perpetuates the need for "self-help".





Modern neuroimaging technology like EEG, CTscans, and fMRI's allow scientists to see areas of neural activation. The fact that we can see neural activity throughout the entire brain refutes the notion that there are any fallow areas of the brain. Alongside these techniques, sophisticated cognitive psychological evaluative measures enable researchers to gain insight into the behavioural and cognitive deficits following brain damage. We now have the ability to pinpoint damaged areas and then link it to the associated cognitive & behavioural consequences. Microelectrodes, using the single-unit recording method, are now being used to map out the human brain in terms of its functional characteristics. This method isolates the electrical responses of single neurons, giving researchers the opportunity to study information processing in individual cells. This technique alone, would give clear evidence if 90% of the brain was dormant. The saying "use it, or lose it" is especially pertinent in brain health. Neural circuits that are underused or neglected in early development deteriorate permanently. If 90% of our neural circuitry is not being used there would be significant areas of neural cellular degeneration.

If any part of the brain was removed or inactive, there would be noticeable and lasting behavioural and cognitive effects. Our brains are super complex machines that require all parts to be in working order for typical healthy functioning. Another interesting fact - even during sleep, our brains are active. There are brains that have less interconnectivity than others, however, that does not imply substantive dormancy.

