

Ronald Feldman Fine Arts

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TODD SILER

TOP SECRET: INQUIRIES INTO THE BIOMIRROR

DOWNTOWN: 31-33 Mercer Street, New York (Between Grand and Canal) Opens March 14

The exhibition at the downtown gallery comprises a 32-foot, 3-dimensional sketch of a Cerebreactor, drawings, and detailed studies which introduce Siler's theories on brain and mind, science and art.

UPTOWN: 33 East 74th Street, New York Opens March 14

The uptown exhibition is a continuation of Siler's research in drawings specifically relating to Cerebreactors.

Cerebreactors, a 17-page color catalogue is available for \$5.00

STATEMENTS BY TODD SILER ©

ART AND SCIENCE

My work is directed towards the mergence of art and science, balancing scientific facts and aesthetics. I believe that this 'mergence' will move beyond the notion of art serving as an extension of science and science as an extension of art. One aspiration of mine is to integrate these different disciplines and philosophies – to contribute to the creation of a common language and system of presentation of insights into reality.

MODES OF THINKING

From earliest human existence there appear to be two fundamental ways of thinking, intuition and analytical reason, which influence our feelings and actions. I have proposed that in the instant of intuition, both hemispheres of the brain function as a single sphere in focusing information; for a millionth of a second or less, there is a fusion or 'merging' of cerebral processes. By contrast, during the period of analytical reasoning – when you are thinking about what you have just thought – one hemisphere is more dominant than the other. At this time, the fission or 'splitting' of these processes occurs. I refer to the former as Cerebral Fusion and the latter as Cerebral Fission. Both phases of thought seem to sustain each other.

I believe it is possible that the instant of intuition marks the convergence of artistic and scientific perspectives, like two forces overcoming their complementarity to form one greater or line of concentration. I call this condition the 'plasma state of mind', the 4th and highest state of consciousness, within which there are varying degrees of intensities. One implication is that the perception of any idea is neither art nor science oriented, yet the expression of it is.

In order to observe the differences between Cerebral Fusion and Cerebral Fission, it was clear that some outside source – other than the brain itself – would have to serve as a model. For a number of years, I have been recording many curious similarities between the principles of plasma fusion reactors and the physiology of the brain.

It seems there are three fundamental fusion reactions corresponding to the instant of intuition. One is a Toroidal effect, any one of which might occur within millionths of a second and each of which would possess a unique configuration of energy

fields and currents. Like fingerprints, they are individual and traceable. Eventually, these ever-changing fields may be plotted and studied, providing a more complete picture of all our mental processes.

CEREBREACTORS

Cerebreactors are models I have created that are imaginary particle accelerators, fission and fusion reactors designed after the human brain and nervous system. Where these devices are developed to observe and utilize the nuclear forces of matter, Cerebreactors are used to study the structures and forces of nonmatter which comprise the mind.

In these models, the mind as art and the brain as science are more than metaphors. That is, the content of the mind represented by mental pictures is the message of art. And the medium in which these pictures are created and realized is the brain. An 'artwork' constitutes a single mental picture. The term 'work' implies the interpretation of the interaction between the messages and the media which determine the behavior of Cerebreactors in creation of thought. What happens at the instant of creation when the brain 'becomes' the mind and vice versa? Perhaps the original identities are lost as a result of some transformation, rotation or mirror reflection process involved in this state of interchange? How do these symmetries of nature influence cognition in this scheme?

CEREBREACTORS

- ...interpret the interactions of the brain and mind
- ...relate nuclear physics to neurology in an attempt to understand the physical aspects of these interactions
- ...represent the combined similarities between the process of the central nervous system and nuclear reactors. This includes relating the mechanisms of reactors and those of the brain that generate and manipulate energies
- ...suggest the existence of the Biomirror based upon the principles of reactor technologies which are extensions of the dynamics of the brain
- ...The Biomirror is a bio-electric-magnetic-chemical Mirror in the human brain. Perhaps, the Biomirror is not limited to one region of the brain but exists with the sudden mergence of both hemispheres at the instant of intuition. At this moment there is no distinction between the processes of the brain and the mind, between neural activity and mental activity.

FOUR DREAMS, ONE INTENTION

DREAMS:

- A. Show the one-to-one correspondence between the brain and mind...suggest how the processes of the brain reflect the mental processes... indicate that the properties of one are opposite and reverse the properties of the other, like object-image in mirror reflection.
- B. Show Cerebral Fusion (merging of cerebral processes) corresponding to Intuition. Cerebral Fission ('splitting' of brain processes) corresponding to Analytical Reason.
- C. Show how the nuclear sciences and related technologies may be applied to the Neurosciences, in revealing these fusion and fission effects in the human brain.
- D. Show how the energies of nuclear forces are the material counterpart of the mental energies.

INTENTION:

To organize a research team consisting of a physicist, nuclear engineer, neurophysiologist, pure and applied mathematician, computer scientist, and other experts to investigate the proposals described above.

Todd Siler is currently working at M.I.T Center for Advanced Visual Studies in Cambridge, Massachusetts. His background in fine arts, art history, biology and medicine led at an early age to an interest in the sciences of the human brain.

This is Siler's first exhibition at the Feldman Gallery. The public is invited to the opening on Saturday, March 14. Uptown hours are Monday through Saturday, 10-5:30. Downtown hours are Tuesday through Saturday, 10:30-6.