

BOHM COSMOGONY OF QUANTUM PHYSICS

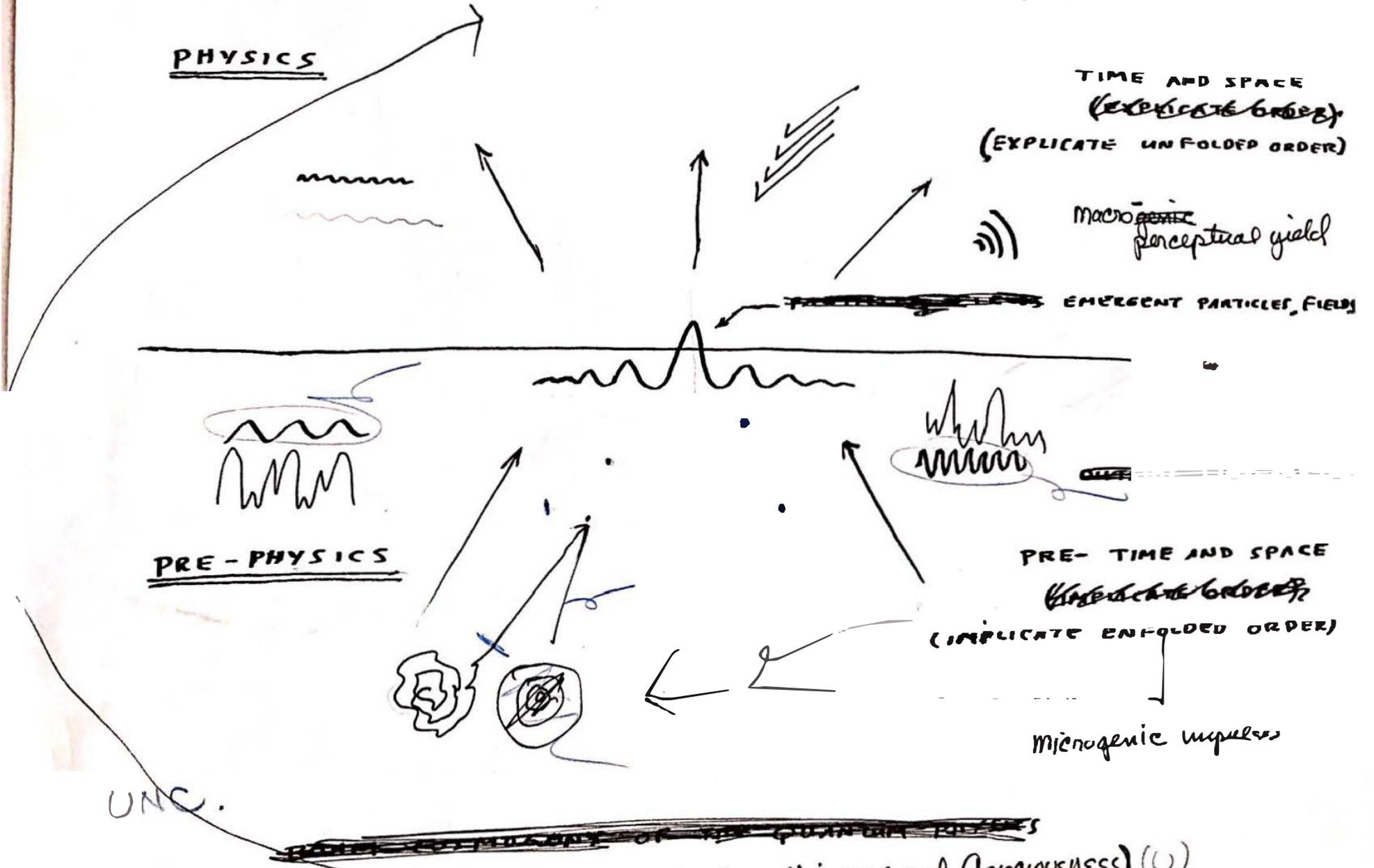
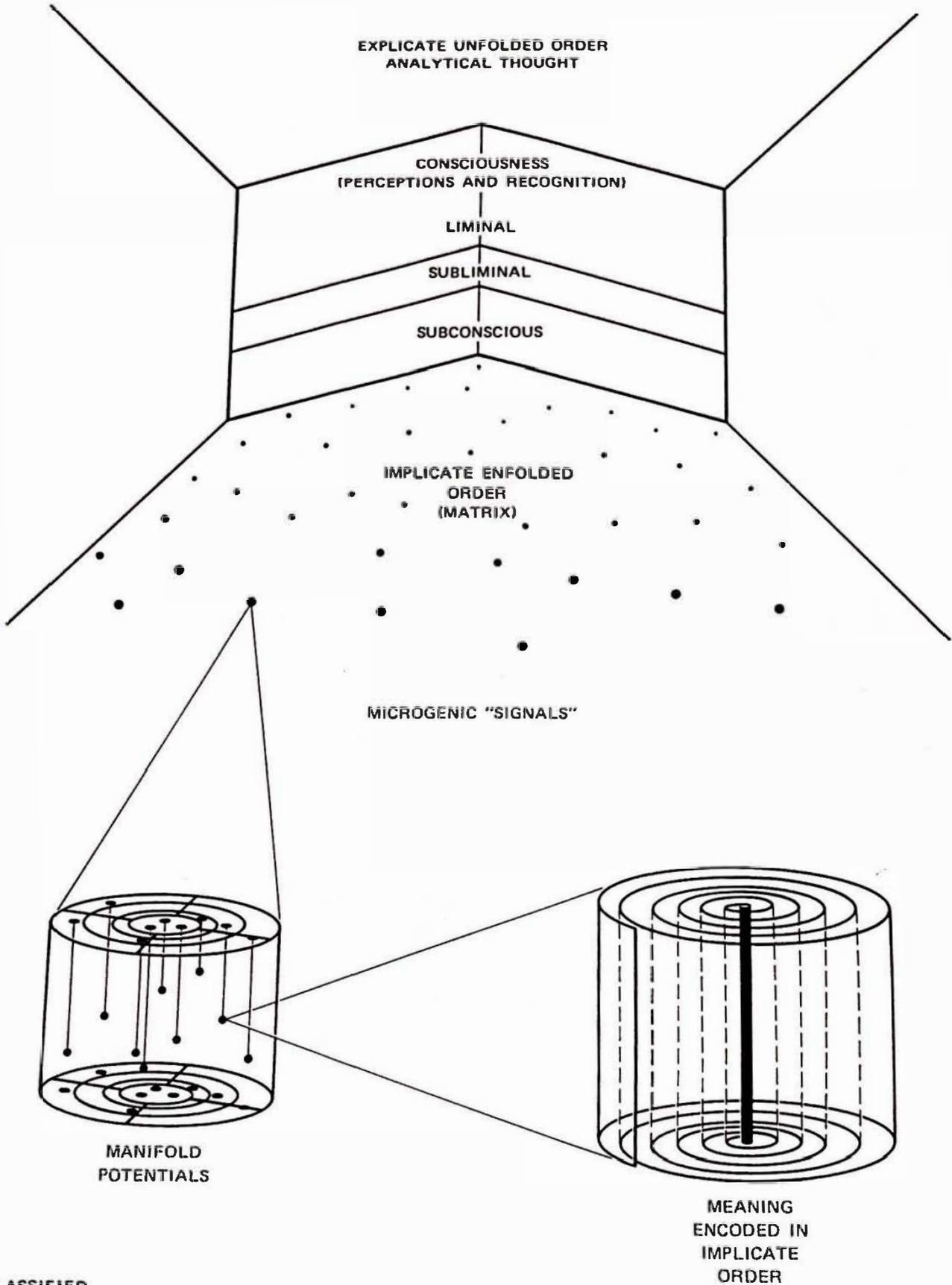


Fig 1 (The Enfolding-Unfolding Universe and Consciousness) (U)

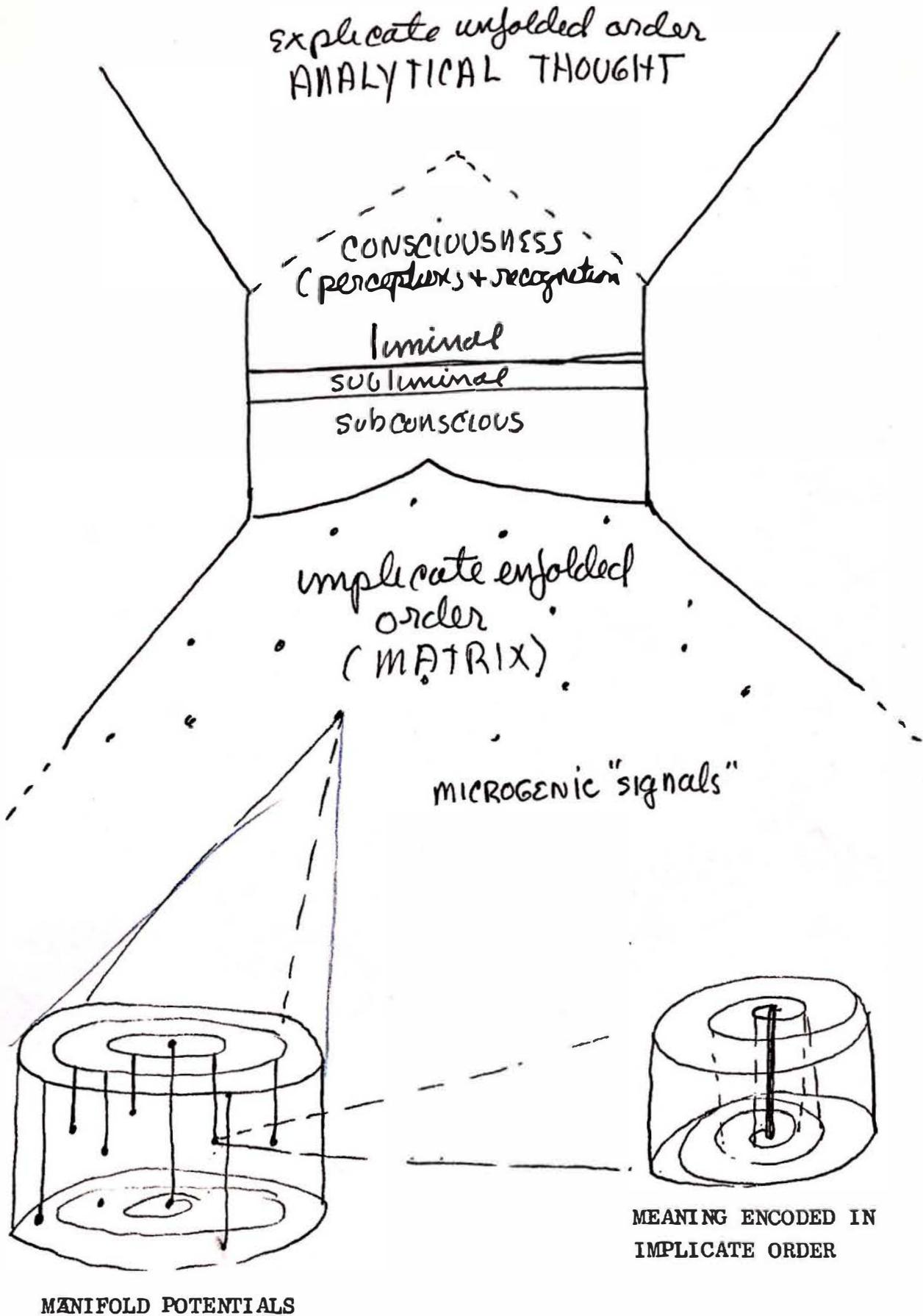
UNCLASSIFIED



UNCLASSIFIED

UNCLASSIFIED

FIG 2 A SCHEMA OF BOHM'S COSMOGONY OF THE ENFOLDING-
UNFOLDING UNIVERSE DIAGRAMED AS HUMAN CONSCIOUSNESS-
UNCONSCIOUSNESS



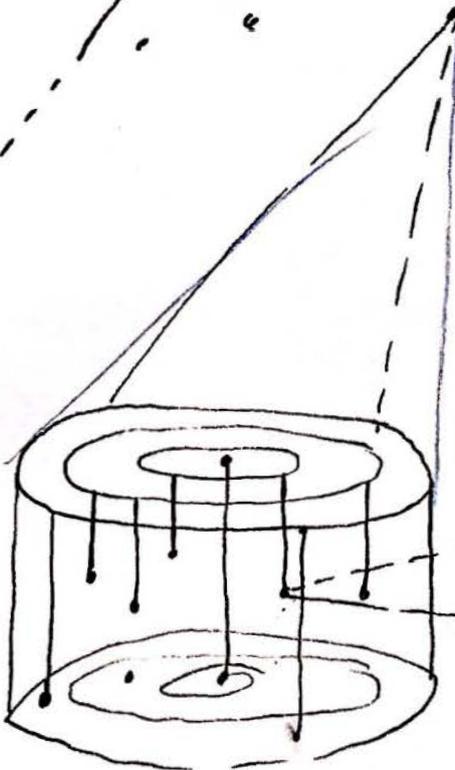
explicate unfolded order
ANALYTICAL THOUGHT

CONSCIOUSNESS
(perceptions + recognition)

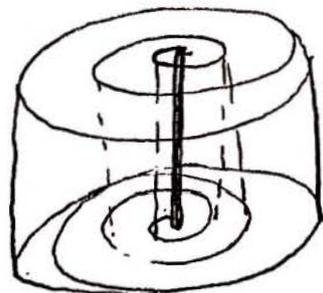
luminal
subliminal
subconscious

implicate enfolded
order
(MATRIX)

MICROGENIC "signals"



MANIFOLD POTENTIALS



MEANING ENCODED IN
IMPLICATE ORDER

3. Necessity of Establishing a New Conceptual^{working} Definition Relative to "Psi Perceptual Functioning"

As a cumulative result of our increasing familiarization with "psi signals" and sets of novel experiences as to their deployment and management, we are obliged to bring into parlance a new working definition of "psi perceptual functioning."

The primary reason for so doing is that word definition leads to philosophical conceptions concerning any given area of interest. Either or both may be seen in retrospect to have been off the mark. This status does not accommodate "reason" very well; ~~but~~ in terms of scientific exploration, it tends to deflect accurate conceptual contact with the appropriate elements involved. This ^{in turn} leads to attempts to judge the phenomena against inappropriate criteria.

An in-depth study of the background of psychical affairs (beginning c. 1780 through the present) clearly establishes the fact that some epochs have been extraordinarily fruitful as regards the production of phenomena; while other epochs--especially that between 1948-1978--have seen a decline in observable phenomena under the constraints that were designed to observe them.

The assumption in this latter period has been that the constraints represented the best of applied scientific methodology; i.e., that this methodology was irreproachable, and that therefore the validity and reality of the phenomena were suspect. More precisely, in this latter epoch it was held that if ESP or psi-perceptual functioning could not be converted to statistical or quantitative one-to-one analyses, then the phenomena possibly were scurlious.

Yet, in science as a whole, it has long been generally accepted that strict quantification procedures were applicable only as regards objective cause/effects vis a vis physical or material interactions; while in the realms of psychological

studies which are involved with subjective and subliminal characteristics, mental attributes or functions were best assessable through estimations of pattern performance and increase or decrease of functioning.

The epoch in which psychological/mental attributes were held as inflexible "givens" is long gone. Yet, in parapsychological conceptualizations, psi perpetual functions are still being tested against objective quantification models designed to isolate a given ~~objective~~ ^{qualitative} single factor.

During the cumulative scope of our observation and isolation of psi perceptual characteristics, coupled with the successful learning curves of the engaged trainees, we are obliged to state that a new working definition must basically incorporate the following conceptual ideas:

- a. The basic psi perceptual function is a subconscious/subliminal interface of some kind that can (but not necessarily does) participate with some hitherto unidentified information carrying system. The information content can be converted from subliminal "meaning" ^{into conscious cognitive content.}
- b. Prior to emergence into cognitive or conscious processes of thought, certain elements of the information carrying system apparently prioritize themselves while still residing in the subconscious/subliminal domain.
- c. This "prioritizing" may be compared to the definitions of "modulation" as follow.
 - (i) "A fitting or regulating according to certain measure or proportion."
 - (ii) "An inflection or varying of the tone or pitch."

iii
(f) "The variation of a characteristic (such as amplitude, frequency or phase) of a carrier or signal in a periodic or intermittent manner for the transmission of intelligence."

d. This "intelligence" can be summoned up out of the subconscious/subliminal area if the appropriate stimulus are discovered and applied intellectually by the percipient in a state of readiness.

e. The modulated features of the "intelligence" are thrust up in varying rates of speed and volume into conscious, as a result of which two processes of apperception can be predicted:

(i) The perception of meaning (enhanced by training).

(ii) The arousal of processes of understanding in terms of one's previous experience (also enhanced by training).

f. The entirety of this process is exceedingly variable. This variability is best grasped if one thinks of this system of intelligence transformation as a composite of different carrier waves that can be deformed, and often is, by internal mental noise as well as (as our evidence is beginning to suggest) unusual magnetic and geomagnetic conditions.

g. This process is best monitored if it is ^{concerned} ~~concerned~~ as a "window" of opportunity, which ^{often} suffers from "down time" conditions, ~~probably more~~

~~excessively than it benefits from "up time" sequences~~ *Training enhances its "up-time" potential.*

h. Through training, itself an extremely disciplined intellectual process, an increase of tolerance for the system can be gained, leading to possibilities of increase in performance.

i. The yield (and judging) of the end product of this system is accessible and potentially utilizable through stabilizing patterns of performance and estimating increase or decrease of functioning.

4. SUMMARY OF NEW WORKING DEFINITION

Psi perceptual functioning may be conceived as the ^{successful} completion by an individual of obtaining information not accessible to direct physical perceptions. The achievement of this result implies the preexistence of three significant factors.

- (1) the universal presence of information in other than solely physical form;
- (2) the presence in human subliminal factors of a participatory ^{receiving} ~~reception~~ system that transforms information into meaning (signals) which are then impelled into consciousness and there "decoded" into understanding in terms of one's personal experience and cognitive aptitudes;
- (3) neither the information nor the reception/decoding systems are stable in nature, but may be thought of as variable and consisting of "waves," "amplitudes," and phases which are susceptible to perturbation, resulting in "noise," intellectual error, and misattribution of signal meaning.

Concerning this working definition, both the origin/nature of a universal information potential and the psychogenesis of the mental transforming systems remain problematical. These two issues will be addressed below. There is also imbedded in this overall conceptualization a very interesting contradiction, viz, while the information-cum-reception systems are exceedingly variable, the prioritization of the information when it is properly ^{cont}acted and decoded is not variable but predictable. And as long as the prioritizing of the information is apperceived and followed by the percipient, the signal line increases in volume but becomes increasingly refined in specifics. The prioritizing of the information content is, therefore, very stable, and should be thought of as a "packet" within which is already arranged graduating levels of information.

6. BASIC PSI SIGNALS:
R&D/TRAINING STUDIES

a. Theoretical Model

As of 1983, we find that our overall yields (understanding, CRV experiments, practical testing) and the quantum physics model of "universal enfolded order" of Dr. David Bohm* are mutually supportive.

A somewhat "scientifically popularized" version of Bohm's theories and their potential implications for psi has recently been published in Science Digest, March 1983, under the heading "Mind and Matter" by John Gliedman (attached as annex 4).

A graphic representation of Bohm's model is as follows:

1/2 page for chart

*Prof. of theoretical physics, Birkbeck College, London University.

*and implications
of theoretical model.*

6. Summary:

psi signals "pre-exist" and can be caused to "rise up" out of the matrix where, upon comprehension (through R&D) of their particular encoded character, they can be guided (through training) to proceed through the basic features of primary perceptual processes. Once this is achieved, their "meaning" can (through training) be "re-concretized" by normal analytical processes.

As many who will read this informal paper already know, the primary module or "packaged assembly" of this deliverable process is the ideogram. A complete discussion of this will be found in our forthcoming CRV report.

For purposes of future planning, we must emphasize that we have discovered only four generic types of ideogramic functions and associated features. That there are more is amply apparent.

We already can give evidence (from literature other than our own) that more refined types of ideogramic processes are available. We can hypothesize, with some certainty, that all these share common "root" functions (universals) but can be broken down (or evolved) into specific subsets.

This gives rise to the concept of psi-linguistics, or the locating and identifying of psi-signals into their natural subsets.

For example, we believe that a separate subset of psi-signals must exist especially as regards human-to-human contact. The reason for this belief is the fact that such type of signals is shockingly absent in the context of the totality of our last 3-year work. Yet in the psychiatric literature where human emotive awarenesses have been reduced experimentally reduced the ideogramic sequences, there is clearly available an ideogramic human impulse that remains to be discovered, ~~and~~ incorporated *and delivered.*

A breakthrough in psi-linguistics, especially with regard to human-to-human psi-interconnectedness would clearly lead to locating and tracking potentials.

We urgently recommend that R&D into psi-linguistics should continue as a priority.

c. *Consequences of negative action.*

If the implications suggested in this area are not pursued, we must assume that several areas of potential high yield in terms of psi measures probably will remain undeveloped.

* See, *Symbol Formation, An Organismic-Developmental Approach to Language and the Expression of thought*, Heinz Werner and Bernard Kaplan, Clark University, John Wiley & Sons, Inc., N.Y. 1963.

7. PSYCHIC LINGUISTICS: LOCATING AND TESTING PSI "LANGUAGES"

a. Theoretical approach.

↳ It is clear that psi signals engage and are built upon microgenetic structures, the nature of which are intended not to be an end in themselves, but to be built upon. We may (at this time) think of this as a projection into creative reason of microgenetic substructures (signals). They appear to be complex gestalts of meaning, value, proportion, relationships, etc., but which are projectable via simple forms. One might even wish to say "form-abstractions."

Once the microgenetic signals are projected via appropriate form-abstractions into the thresholds of cognition and comprehension, they are seemingly then meant to be further entrained by further "gestalt-parts" that appear to increase signal bits by volume, and also by refinement of the meaning, value, etc., of the projected content.

This process is potential $\bar{\Lambda}$ and is not achieved in fact $\bar{\Lambda}$ unless the cognitive functions of the individual can comprehend and control not the content of the signals, but the system structure itself.

There are several information theories that are quite analogous to this, some quite successful. But they all hold generally that the fluency of types quality and extensiveness of information to be dealt with is dependent on the basic structures designed to house and cope.

More precisely, however, we can compare the taking over by cognitive command of psi signals to the taking over by children of a language system. Frankly, the exact forms of onset of the language function is not yet agreed upon by specialists. But it is agreed upon that unless the child early learns to process or entrain packets of information against value, meaning, relationships, within his or her own cognitive control, fluency will be limited and the powers of communication will be sorely imprisoned within simple verbal constructions that

of channelized approach

6. Summary: Psychic signals appear to contain and project their own structures which ~~the~~ self contain already encoded content. Locating, identifying, and duplicating these structures (microgenic) allows the content (information) to be decoded via cognitive participation in their generic or gestaltic orders (packets) of importances (basic linguistics). We must assume that there are several of these, of which we have come upon at least six. It is clear that these transcend the "realisms" of time and space.

Consequences of negative action: If these aspects are not pursued with some vigor and as a priority, the state-of-the-art will probably be forced to remain potentially static, and continue to be considered only theoretically, intellectually and superficially. Additionally, if the Soviets, as a result of their "battle for *control* of consciousness" ^(P51005), have approximated in some form (vis, through research in psychological warfare tactics) the importance of microgenic mental formations, decision-makers in the U.S. might find themselves ill-equipped to assess the meaning of several novel areas.