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EXAMINES SOME ISSUES OF HISTORY OF PSYCHOLOGY**

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When I examined the history of physics, I was able to produce the Final Theory of Physics, and Lee Smolin, Steven Weinberg, and Brian Greene and others are well aware of it and theoretical physicists think it is a contending theory. The reality is that my four-sphere theory has no close competitors, and these are the final laws of Nature (above $\delta = 10^{-15}$ cm) and no theoretical physics will ever be able to compete with it. It is far superior to all others.

But I had turned to a different problem, the Science of Man, and after having produced some universal laws for Human Emotions and establishing some facts about Universal Human Moral Nature, I had finally reached the issue of Habituation, and begin to see the extraordinary importance of Habits in Human beings for a natural science of Man.

Once I know that this is the crucial 'missing link' that will allow us to produce a natural science of Man, I am also aware of the difficulty here, for 'Human Sciences' and especially for the existence of a natural science of Man, which is not near satisfactoriness.

1. I AM INFINITELY SUPERIOR TO BILL GATES

Bill Gates has occupied my personal meta illegitimately and has been repeating racial slogans 'whites are superior. whites are superior' several times a minute, so I am obligated to respond with

- I am infinitely superior to Bill Gates morally, intellectually, and in my contributions
- I am a good American with benevolent intentions towards others and Bill Gates is a Racial Genocidal Megalomaniac

You see, these are my papers.



Bill Gates used US War Power in my Deep Interior during peacetime, which is a War Crime, and violates both national and international law. When he breached my Blood Meta, India told United States Government explicitly that this indicates criminal intent. United States Government has *betrayed my trust* and *failed to comply with Constitutional mandate* to secure my natural rights which now requires physical destruction of Bill Gates. I deserve to have my Life, Liberty, and pursuit of Happiness secured. It is the fault of the United States Government that this vile murderous criminal has harmed me and disturbed my sleep, and I will nix the entire United States of America totally unless they deliver.

2. OVERVIEW OF PLACE OF HABITUATION

The constant genetic code G_c shared by all human beings on Earth, a sequence of exactly the same letters is around 99.9% of the genetic code of every human being on Earth, without exceptions. This marvelous central issue, this absolute

constancy of Universal Human genetic code, is a fact that was discovered, and is well-established in the past two decades. This is one of the most basic and central facts about Human Beings, not known at all for the past two millenia.

This fact has strong logical consequences that are both *obvious absolute truth* and quite *in contrast to many commonsense beliefs held by tradition in all cultures of Earth*. This fact enables us to deduce that the human race is a single race, that we have many mysterious adaptations from the long 251 million years of mammalian evolution about which our knowledge is really miniscule as we have to speculate and do not know them by direct measurements and experiments. Evolutionary theory only tells us vaguely that adaptations produced the complex genes that are involved in G_c .

In common sense view, Habits are theorised from a pragmatic way. In natural language habits are rather minor issues; they are background noise. The concept from natural languages are meant to put habits to the side. Our experience of habits are also precisely those things that we do without attention, as they have become part of our normal.

But from a natural science perspective they are remarkable in their depth. On one hand the genetic code does not permit arbitrary thoughts, actions, and they do not permit, therefore, arbitrary habits.

We consider a complex set of thoughts, feelings, and actions to be habits. The combinations would on one hand be impossible if we did not possess the evolutionary adaptations to *enable those particular thoughts, feelings, and actions*. On the other hand, not all possible thoughts, feelings and action combinations we can invent arises as habits of any person on Earth at all.

This is mathematical reasoning. Suppose we define a complex sequence of thought, feelings, and action, for the sake of intellectual clarity as a *individual human sequence*. We wish to be abstract here, to have clearer intellectual grasp. So I am defining this for the first time, for my convenience. A *individual human sequence* we define as a sequence of thoughts, feelings, and actions.

We can easily see that (a) there exists a set of individual human sequences, let us say $s \in S$ that are feasible for any human beings. Let S be the set of feasible individual human sequences.

The meaning of this S is that if the individual human sequence s may arise as those followed by any human being on Earth at all. We define S to restrict to it only those that *may arise within some human being on Earth*.

This is standard mathematical thought, so we clarify that arbitrary hypothetical sequence of thoughts, feelings, and actions that have no possibility to arise for any human being on Earth do not correspond to any member of S .

Then we define *Potential Habits* as $S_{ph} \subset S$. Finally we define *Actualised Habits* as $S_{act} \subset S_{ph}$. And these are key to a natural science of Man. We believe that analysis of S_{ph} and S_{act} are at the heart of natural science of Man. And we believe that these are tractable for us to address. We believe the full intellectual grasp of these is the most important task of Science of Man.

3. COMMENTS ABOUT MY INNOVATIONS VERSUS JOHN B. WATSON'S BEHAVIOURISM

John B. Watson in 1920 had great influence in psychology by declaring it a natural science of explicit measurable *behaviour*. By the 1950s there was a revolution

against Behaviourism. Noam Chomsky and many others participated in the so-called *cognitive revolution*. Starting early 1970s, there was an interest in *Affective Psychology*. I am considering the problems of Natural Science of Man in this context. I, like John B. Watson, am interested in a *natural science* but I am interested in a *natural science of Man*. Today it is not 1920. One of the greatest immortal geniuses, among others, Jaak Panksepp, had resolved neurobiology of affect to a beautiful clarity in *Affective Neuroscience* of 1998.

So we build a new natural science from the ground by some mathematical ideas of scope of science.

The enormous difficulty here is that there is a great deal of mystery that will remain for understanding the human genetic code with G_c the genetic code in common still vastly without understanding. And then there is genetic variation in 0.1% of the letters whose effects are unclear. But I feel confident that my resolution of Emotions in terms a latent state space of $E = \mathbf{R}^7$ will be appropriate and stand the test of time for emotions. I have pronounced some laws for emotion expression in human beings.

This brings us to the *general question of ordered sequences in time* of thoughts, emotions, and actions as aggregates. A mathematical framework is in my view the most reasonable. The idea is of course that we let \mathcal{V} (standing for verbs) denote the set of possible thoughts, feelings, and actions. We consider a human being's activity as sequences

$$v = (v_1, v_2, v_3, \dots, v_q)$$

where each $v_j \in \mathcal{V}$. We don't really care too much how big \mathcal{V} is. We want S to denote the set of these human event sequences that are possible for human beings.

We pretend that we can take anyone's thoughts, feelings, actions in some time period and map them to $v \in S$. How big is S . It could be infinite dimensional. Then potential and actual habits are privileged subsets of S .

In one sense this is mere formality. On the other hand, this gives theoretical clarity and closure to human events. The moment we ask for *feasibility* of human event sequences, we introduce nontrivial *scientific* content here because it is a scientific open question what laws allow particular arbitrary sequences of elements of \mathcal{V} to be *human* event sequences rather than impossible-for-human event sequences. Thus identification of S is a clear and extremely difficult scientific problem.

The determination of S and understanding which subsets of S are potential and actualised habits of human beings is therefore a new viewpoint for natural science of Man. Now I don't really care about the nitty gritty of how one determines which sequences are feasible human event sequences. I want folks in psychology and social sciences to work this out. This is the context of habits, and it is in principle a full characterisation of human activity.

A priori, the task seems impossibly vast and intractable. But I believe it is possible to identify S and its structure. I do not believe it is very easy to do so. But it is a clear path to natural science of Man.

What is the substance in this path? It is a way of handling the enormous constraints of the genetic code in common G_c . Abstractly, Human Nature in terms of human event sequences are all encapsulated in S .

4. DIFFICULTIES BREATHING, STANDING UP STRAIGHT HEAVY PRESSURE ON HEAD

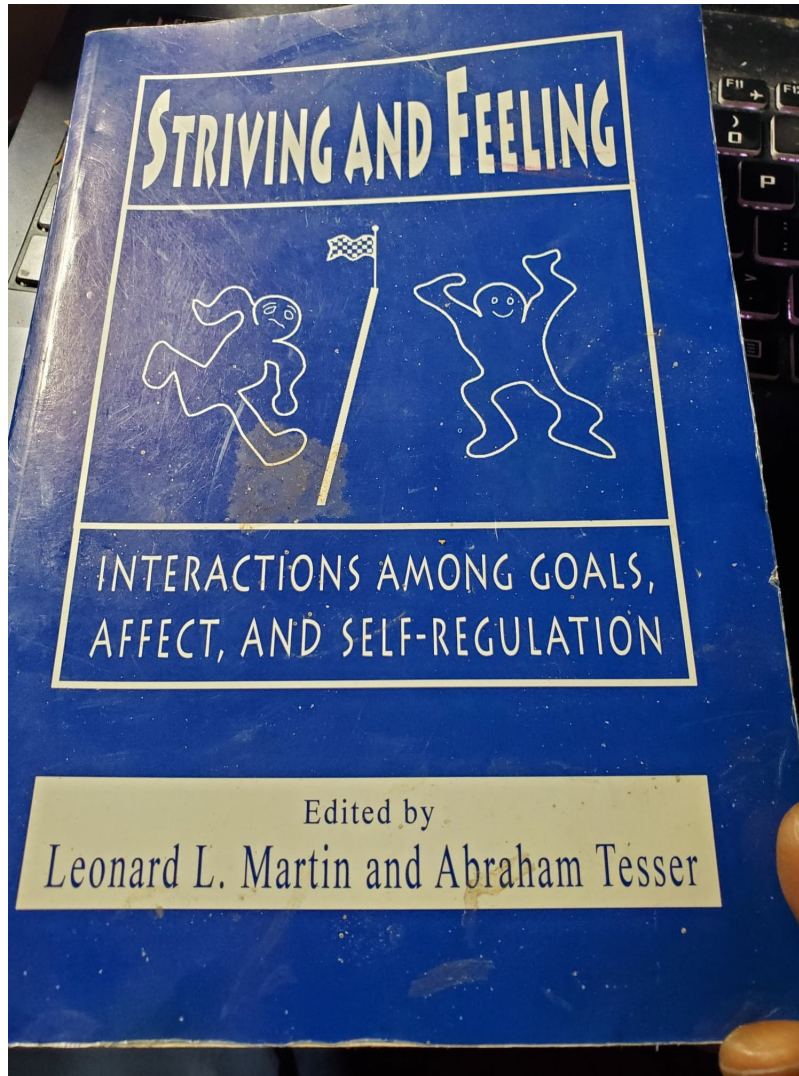
Because of Bill Gates introduction of Heavy US Industrial and Hard Meta in my Deep Interior, and his use of US War Power, I am having difficulties breathing, having difficulties standing up straight, and my head is under heavy pressures due to Bill Gates power efforts against my Body.

These are War Crimes, and both UN Security Council and UN Human Rights Council knows the situation with me. I will accuse these grave and close to fatal at the moment, War Crimes to be the fault of United States Government. I have repeatedly asked the United States Government to totally destroy Bill Gates physically, and instead, knowing full well that Bill Gates (a) is guilty of war crimes judged with death penalty by UN Security Council, (b) knowing that it is their primary duty to secure American natural rights and not serve the interestes of Genocidal Megalomaniacs who reveal their intention to murder and harm non-white Americans, have been colluding with Bill Gates.

I will ask the international courts to execute most of the United States Government for War Crimes on my death because the world does not need these vile disgusting criminals and their cronies. The world is better off with these people executed for War Crimes.

5. EXAMINATION OF CONFERENCE PAPERS FROM 1996

University of Georgia professors Leonard L. Martin and Abraham Tesser edited some papers in *Striving and Feeling: Interactions Among Goals, Affect, and Self-Regulation*.



Social psychology, according to Gordon Allport's 1985 definition is the scientific investigation of people's thoughts, feelings, and behaviours *as a function of real, imagined, implied presence of others*.

I am still trying to get a handle on the whole Science of Man, not just social psychology. But I believe that Human Sciences, which is the same to me as Science of Man, requires some precise mathematical foundations. This is necessary and not a luxury for a number of reasons.

The mathematical foundations I am beginning with is the definition of a generic *Human Event Sequence*. Let me repeat this again. We let \mathcal{V} be the set of possible verbs. Let us make the passage to the issues more explicit.

Suppose we have a gigantic set Z which are all possible finite sequences of elements from \mathcal{V} . This is not interesting for psychology. Let me tell you how.

Let $v \in Z$ be arbitrary. Suppose

$$v = (v_1, \dots, v_q)$$

for some $q \in \mathbf{N}$. Pick the sequence to represent some thoughts and feelings and actions that are impossible for any human being even in principle because genetic code does not contain evolutionary adaptations to allow the sequence to be realised by any human being in the world.

This is where the the most serious nontrivial step happens. We consider $S \subset Z$ consisting of those verb sequences that are possible for some human being on Earth, past, present, or future. This is extremely nontrivial for Human Sciences, as implicit in this subsetting is transformation of a mathematical abstraction to some feature of Nature. This is the *scientific transition*. And this requires knowledge of the joint distributions of the various verbs in Nature, among actual and possible human beings.

Elements of S we shall call the set of human event sequences. And this set represent Universal Individual Psychology in time. So Gordon Allport's definition of social psychology is the study of $S_{other} \subset S$ where S_{other} consist of those sequences $v \in S$ which are *functions of real, imagined, implied, presence of others*.

Study of potential and realised habits are also subsets of S . At first this mathematical setting seems without *psychological* content. But it is extremely potent for Human Science, because there is a clear abstraction that is extremely nontrivial – the passage from Z to S gives substance here to Nature. Furthermore, we immediately understand the precise issues and boundaries without imprecise and potentially ambiguous language. This path is automatically sensitive to the complexity and mystery of human genetic code, and allows peace of mind regarding whether the concepts are generic enough to address the impossible variety of verb sequences that are realised among actual human beings. The control of these sorts of variety requires mathematical sophistication and cannot be done without it at all without botching the enterprise of Human Science.

6. WHY MATHEMATICAL LANGUAGE IS GOOD FOR PSYCHOLOGY

You see psychology is tremendously hard because the the phenomena are complex. It is also too close to natural languages. I have made this point before, that natural languages are extremely problematic for psychology because they did not evolve to address natural phenomena. The 'internal coherence' of a language like English is not logical self-consistency necessary for a successful natural science. I have a tremendous amount of experience with theoretical physics – my four-sphere theory is the Final Theory of Physics above $\delta = 10^{-15}$ cm, and I have personal experience with the necessity of precise self-consistency in successful scientific theories.

In other words, it is a fatal error for psychology to rely on natural language self-consistency. And so mathematical language is not a secondary concern.

The mathematical language I have used above is fairly simple, but what I have accomplished above is to give some global context for *human event sequences*. I defined these things for the first time as a generic sequence of interest broadly in psychology. The genericity is valuable for analytical reasoning, and this gave us clarity regarding what human event sequences are interesting to our study of human psychology in steps. This allowed us to put habits and habituation in a context that immediately allows us to keep the scope very general.

Now suppose $s \in S$ is a human event sequence. We can query whether s can be a habit for some people, or not. We can estimate probability of s occurring among the

human population. Mathematical abstraction is absolutely essential here, because we do not want to be constrained to only considering some things as possible habits without justification. I have seen in psychology literature quite a few assumptions about phenomena where there is not enough justification given to compel us that they are exhaustive, and they include *all possible human psychological behaviour*. These are bad for natural science. Special common cases are important within an exhaustive framework.

7. BILL GATES MUST BE TOTALLY DESTROYED BY UNITED STATES GOVERNMENT

Bill Gates is a Demon who invaded my Deep Interior without purpose, out of destructive hatred against non-white people and he – it – claims that there is no good or evil. It is a Demon who does not belong alive among an Angelic Race at all. Destroy it soon, United States Government. I know what it is, a deceptive Demon. It intends to destroy the human race and kill an Archangel. Ambitious Demon is this *Bill Gates*. It has managed to obstruct \$620 million of my legitimate earnings from Finance. Intriguing but quite irritating.

United States Government destroy this *Bill Gates* soon. You are testing my patience. You will not fare well at all if you fail.

8. IS HUMAN BEHAVIOUR GOAL-DIRECTED?

I was reading some psychologists that human behaviour is goal-directed. I don't think this is right at all. In fact I am fairly sure that this is a seriously flawed proposal about human behaviour. I think that this assumption, taken seriously, will produce an erroneous natural science of Man.

Let me tell you why this is a very very bad assumption about human beings. You see, the sort of things we have in language to *give reasons* for why we do things is for the most part after the fact. It's not true that human behaviour is mostly goal directed. I will propose that if you look at the totality of the things that people do, a fraction of it, perhaps even 10-20% – this is intuitive speculation at the moment – are explained by goal directed action. The rest will have a difficulty in being explained by goal direction.

So I want: (a) to challenge the notion that human behaviour is goal-directed, and (b) find some understanding of what, instead, gives us a good analytical understanding of human behaviour.

Let me give you an alternative, but just imaginary exercise to convince you that other alternatives exist.

You could consider behaviour to be a mixture of processes, many of them totally unconscious and habitual; many of them genetically dictated and reflex-oriented, many of them totally whim-determined by fluid catering to demands of the emotion; many of them not so much goal-directed in purposive movement but partially goal-directed. I won't go through the construction of examples but I do not think the reader will find it troublesome to find examples.

The idea that human behaviour is 'goal directed' is not a good *scientific axiom* at all. Human behaviour is sometimes goal directed. That's true.

9. PSYCHOLOGY NEEDS A PRECISE MATHEMATICAL BASIS FOR EXTENT OF HUMAN BEHAVIOUR

The hardest part of Human Science generally is *analytical control of combinatorial expansion of phenomena* that fall under its domain. Human Behaviour is quite vast and unwieldy. This is a problem that arises in chemistry only in a much smaller scale.

New methods are necessary for precise analytical handling of the unwieldy variability of phenomena being studied, and those have not been put in place yet. Here as well, mathematics is the key to success. There are more than cosmetic problems without these efforts. The entire enterprise will eventually collapse without more precise mathematical basis. It is necessary for all natural science of Man and not just psychology.

It is also a nontrivial problem, and not just accounting. It would be accounting if the phenomena were a small finite set that is tabulated and known. It is all behaviour, emotions, and thought of all human beings, past, present, and future. And then it is serious mathematics and not accounting alone.

These efforts are challenges of their own. They are necessary for a successful science and they are not yet accomplished for psychology yet. This must be done.

I want all psychologists to fix this problem immediately. Zulf wants a tip-top Unified Science of Man that is able to provide accounting of all aspects of thoughts, emotions, and behaviour of eight billion people. Zulf prefers that other people do the grueling backbreaking labour and Zulf lives like a dilettante, without working all that much.