

Source : <http://mobeeknowledge.ning.com/forum/topics/complexity-vs-knowledgeability>

Complexity vs Knowledgeability

....*"I think the next century will be the century of complexity"*
S. Hawking "

.....*I think the next century will be the century of knowledgeability - Md Santo"*

My apologize to the people who wrote the QUOTES about complexity and simplicity below are modified each with my Knowledge-driven set of ideas.

The QUOTES cited from <http://aidontheedge.info/quotes/> by Ben Ramalingam, lead author of a 2008 Overseas Development Institute working paper '[Exploring the Science of Complexity: Ideas and Implications for International Development and Humanitarian Efforts](#)'. The title : [AID ON THE EDGE OF CHAOS](#) - Exploring complexity & evolutionary sciences in foreign aid

A compilation of quotes about complexity and simplicity vs knowledge-driven modification

- "Humans socialize in the largest groups of all primates because we are the only animals with brains large enough to handle the complexities of that social arrangement."

M. Gladwell, *The Tipping Point*

"Humans socialize in the largest groups of all primates because we are the only animals with "genomic consciousness DNA as the locus of human freewill" large enough to handle the complexities of that social arrangement." (modified by **Md Santo**)

- "A system is complex, in the sense that a great many independent agents are interacting with each other in a great many ways."

M. Waldorp, *Complexity*, Viking 1993.

“A system is complex by means of having consciousness and acting as subject, in the sense that a great many independent agents are “doing Knowledge sharing” with each other in a great many ways.” (modified by **Md Santo**)

- “The complex whole may exhibit properties that are not readily explained by understanding its parts. The complex whole, in a completely nonmystical sense, can often exhibit collective properties, “emergent” features that are lawful in their own right.”

S. Kaufmann, *At Home in the Universe*, Oxford University Press 1996.

“The complex whole may exhibit properties that are not readily explained by understanding its parts. The complex whole, in a completely nonmystical sense, can often exhibit collective properties, “emergent” features that are “leveled up on their Knowledge consciousness level” lawful in their own right.” (modified by **Md Santo**)

- “You generally find that the basic components and the basic laws are quite simple; the complexity arises because you have a great many of these simple components interacting simultaneously. The complexity is actually in the organization—the myriad possible ways that the components of the system can interact.”

S. Wolfram

“You generally find that the basic components and the basic laws are quite simple; the complexity arises because you have a great many of these simple components interacting simultaneously. The complexity is actually in the organization—the myriad possible ways that the components of the system “leveling up from Knowledge with Lower Consciousness (KLC) to K with Medium Consciousness (KMC) on the way to K with Higher Consciousness (KHC)” (modified by **Md Santo**)

- “The task of formulating theory for complex adaptive systems [CAS] is more than usually difficult because the behaviour of a whole CAS is more than a simple sum of the behaviours of its parts; CAS abound in nonlinearities”

J. H. Holland, *Emergence*, Perseus 1999.

“The task of formulating theory for complex adaptive systems [CAS] is more than usually difficult because the behaviour of a whole CAS is more than a simple sum of the behaviours of its parts; CAS abound in “as subject having free will and consciousness featuring nonlinearity” (modified by **Md Santo**)

- “To understand the behavior of a complex system we must understand not only the behaviour of the parts but how they act together to form the whole.”

Y. Bar-Yam, *Dynamics of Complex Systems*, Addison-Wesley 1997.”

To understand the behavior of a complex system we must understand “the mechanism how KLC – KMC – KHC doing K-sharing intra as well as extra human” (modified by **Md**

Santo)

- “Every PhD student in everything should get to grips with the ‘chaos/complexity’ programme, not for reasons of fashion or even legitimate career building, but because this is the way the world works and we need to understand that”

D. Byrne, *Complexity and the Social Sciences*, Routledge 1998).

“Every PhD student in everything should get to grips with the ‘chaos/complexity’ programme, not for reasons of fashion or even legitimate career building, but because “we are KM-regulated by nature vice-versa by nature we are KM model” (modified by **Md**

Santo)

- “Complexity is not a methodology or a set of tools (although it does provide both). It certainly is not a management fad. The Science of Complexity provides a conceptual framework, a way of thinking, a way of seeing the world”

E. Mitleton-Kelly “

Complexity is not a methodology or a set of tools (although it does provide both). It certainly is not a management fad. The Science of Complexity provides a conceptual framework “that Knowledge is the edge of Science” (modified by **Md Santo**)

- “I think the next century will be the century of complexity”

S. Hawking “

I think the next century will be the century of “knowledgeability” (modified by **Md Santo**)

- “The capacity to tolerate complexity and welcome contradiction, not the need for simplicity and certainty, is the attribute of an explorer. Centuries ago, when some people suspended their search for absolute truth and began instead to ask how things worked, modern science was born. Curiously, it is by abandoning the search for absolute truth that science has begun to make progress, opening the material

universe to human exploration.”

H. Pagels

“The capacity to tolerate complexity and welcome contradiction, not the need for simplicity and certainty, is the attribute of an explorer. Centuries ago, when some people suspended their search for absolute truth and began instead to ask how things worked, modern science was born. Curiously, it is by abandoning the search for absolute truth that science has begun to make progress, opening the material universe to human exploration. Therefore we’re on the way toward relying on possibility more than probability as “seeking the truth paradigm” (modified by **Md Santo**)

- “Life is a continuing process of making adjustments and creative responses in a world too complex to be predictable. But institutions insist not only upon their illusions of predictability, but their systems of control by which they imagine they can direct the world to their ends. This is why institutions have always aligned themselves with the forces of *power*, in order to compel the rest of nature – particularly mankind – to conform to their interests.”

B. Shaffer

“Life is a continuing process of making adjustments and creative responses in a world too complex to be predictable. But institutions insist not only upon their illusions of predictability, but their systems of control by which they imagine they can direct the world to their ends. This is why institutions have always aligned themselves with the forces of *power*, in order to compel the rest of nature – particularly mankind – to conform to their interests.” (considering that “WE ARE KM-REGULATED BY NATURE vice-versa BY NATURE WE ARE KM MODEL” - <http://mobeeknowledge.ning.com/forum/topics/we-are-kmregulated-by-nature>) (modified by **Md Santo**)

- Don’t disturb complicated systems that have been around for a very long time. We don’t understand their logic... Leave it the way we found it, regardless of scientific ‘evidence’.

N. Nicholas Taleb

Don’t disturb complicated systems that have been around for a very long time. We don’t understand their logic... Leave it the way we found it, and consider it by using “evidence-based, reverse-engineering, gnosis, even “doing by learning” and other ‘Knowledge and beyond era’ approaches (modified by **Md Santo**)

- “For every human problem, there is a solution that is simple, neat, and wrong.”

H.L. Mencken

“For every human problem, there is a solution that is **Knowledgeable in nature**” (modified by **Md Santo**)

- “Simple pleasures are the last refuge of the complex.”

O. Wilde

“**Knowledgeable structurings**” are the last refuge of the complex.” (modified by **Md Santo**)

Main ref :

1. <http://mobeeknowledge.ning.com/forum/topics/repostulating-knowledge-to> - *REPOSTULATING* KNOWLEDGE TO ADDRESS EVOLUTION OF SCIENCE AND TECHNOLOGY*
2. <http://mobeeknowledge.ning.com/forum/topics/we-are-kmregulated-by-nature> - *WE ARE KM-REGULATED BY NATURE vice-versa BY NATURE WE ARE KM MODEL”*
3. <http://bit.ly/pOSGBt> - *KNOWLEDGE IS THE EDGE OF SCIENCE*
4. MobeeKnowledge K-base on Complex System
<http://www.delicious.com/mobeeknowledge/complexsystem>
5. <http://bit.ly/tYM8q9> - *Substituting Tractor Beam with Human System Biology-based Knowledge Management (HSBKM) model framework to search the 5th Fundamental Force*
6. <http://bit.ly/u7kJLy> - *SpaceTime – Knowledge – Consciousness from Human System Biology Knowledge Management (HSBKM) model framework view*
7. <http://bit.ly/rvDQMO> - *Knowledge Value (KV) Measurement*

Md Santo – Founder social networking site “MOBEE KNOWLDGE CoP” -

<http://mobeeknowledge.ning.com>