

Prologue:

A CHAOS OF QUESTIONS

- What does a physicist collect from any experiment ?

INFORMATION.

- What does light convey ?

INFORMATION.

- What does a computer, now the main tool of physicists, process ?

INFORMATION.

- Why do physicists organise meetings or courses ?

- Why do physicists publish or read papers, posters or books ?

- Why did you come here ? Why do you use a telephone ?

To GET or GIVE INFORMATION (or both, then exchange INFORMATION).

- Do physicists study information ?

NO.

- Do physicists know the laws which govern information ?

NO.

- Can the word "physicist" be replaced by "biologist" in the preceding questions ?

YES.

- Can the same word be replaced by many other ones so that the sentences remain TRUE ?

YES.

- What is an answer to any question (such as, simply, YES or NO) ?

INFORMATION

- What is DNA ?

INFORMATION.

- What is a the template which makes a (wo)man what (s)he is ?

DNA.

- Is sex a parity (or a disparity) ?

YES.

- Can INFORMATION be described correctly by continuous functions ? NO.

Will ever a (wo)man be described by differential equations ?

Will ever a (wo)man be described by a YES/NO sequence? presumably YES.

(Otherwise, what is the goal of the GENOME international project?)

- What is more important, a man or a pendulum ?

(Free answer).

- Is physics able to explain correctly a pendulum ?

NO.

Why ?

(Free answer).

- Is INFORMATION chaotic ?

YES.

- What is a parity or a disparity ?

(Free answer).

- Is an answer such as YES or NO a parity ?

(Free answer).

- Is "brainstorming" a good way to make physics progress ? (").
- Is "brainstorming" INFORMATION processing ? (").
- How much ENERGY and money does "brainstorming" cost ? A MINIMUM.
- How many hours a day do physicists practice "brainstorming" ? (").
- Is "brainstorming" a chaotic process ? (").
- Is this questionnaire a good example of brainstorming ? (").
- Did you like it ? (").
- Is "to like" connected with aesthetics ? ...
- Do physicists study aesthetics ? ...

One never likes bad news. However, even bad NEWS may contain very good INFORMATION.

Didn't Socrates' "gnôthi seauton" incite to practise brainstorming ?

Is "Chaos" a Greek word ?

(Please, SELECT the right answer coming from "Athens, the eye of Greece, mother of Arts") :



Did physicists ever study human language ?

Does human language contain information ? Where ?

Anyway, it is thought of as chaotic;
(cf. the 1/f-NOISE Zipf's law for English word length).

But some general and precise laws (not describable by Hamiltonians or Feigenbaum constants which will concern only equations i.e. the pure virtual part of mathematics that does not apply to phenomena concerned with information) exist; they are based on the PHENOMENON of vocalic parity mutations, (PHONETically), linking semantics to physical perception (organs). Here is an example that any reader may understand (and which is very general, please check e.g. in Vietnamese... also) :

English	Greek	
*****	*****	
V-ee-oo-Z (views)	Pheno	What is seen ("phenomenon")
V-oo-ee-Z (voice)	Phonê	What is heard ("phonetika").

(Note. 'ménon' is the neutral form of the past participle, so that "phenomenon" actually means "what has been observed". Accented short "mé" indicates "past" as suffix, while, in Arabic, by symmetry, it does also indicate "past", but as prefix : "me-ktb", "mektub", "it was written" (destiny), with radical "ktb", "book" "what is seen", while "btk" the palindrome of "ktb", is related to "what is heard" "speech": "bitikallim ingiliizi ?", "Do you speak English ?" In addition, one hears the i/a toggle, if one compares with "kitab", (word "book", when 2 euphonic vowels are included between the 3 consonants).

Is this chaotic, strangely attractive, then a new law of physics ?

People always hope that they will hear GOOD news i.e. pleasant information; phonetically, with the same parity inversion rule, N-ee-oo-Z may become really BAD, as : N-oo-ee-Z (a LOSS OF INFORMATION, cf. Shannon's equation, which is a copy - or a clone - of Boltzmann's equation for... a gas i.e., in Greek, chaos).

(By the way, what is the connection between the concept of "copy" and Hamilton? - the answer lies in the associated paper and in other references).

So, what hides behind a 1/f- N-o-ee-z ? No ease... in "echo" (nice phenomenon); then, "chaos" - "a" & "e" being originally the same vowel in primitive languages, and still nowadays in semitic ones - is a "bad phenomenon", an enemy, an "anti-echoes", an "anti-ego" ("echo" being an alter "EGO" by definition).

Will the study of information echo a salvation BUOY ?

Semantically, a BUOY (pronounced exactly like "BOY"), saves LIFE, the essential concept for man.

A BOY (B-O-Y) is "LIFE" (phonetically close to "LIGHT") made matter.
"*****"

Then, (B-Y-O) is, phonetically again, the concept of LIFE itself.

Will this partly answer Schrödinger's question : "What is Life ?" ?

In the same way as 'GOOD' is semantically related to 'GOD',
'EVIL' is semantically related to 'DEVIL'.

In Roman Languages, 'GOD' is DIEU (Fr.), DIO (It.), DIOS (Sp.),
from Deus (Lat.) from 'Dios', genitive of 'Zeus' in ancient Greek.

'Devil', 'Diable' (Fr.) , 'Diavolo' (It.) and, with harder consonants (voiced D becoming unvoiced T, and voiced V becoming unvoiced F), 'Teufel' in German, contain, exactly like 'Deus', the deeper root : Two, Deux, Due, Dos, Doubt, Duo, Duplicité, Double, Deuce, i.e. 2, the essential base of duality, indeed, and of numeration for all INFORMATION processing (a DOS system in full-duplex ?).

Will "acoulinguistics", i.e. the transdisciplinary study of symmetry and asymmetry of parities (0 and 1 in mathematics and computer science, NO and YES, FALSE and TRUE in logics, EVIL and GOOD in moral) extend acoustics (a former essential branch of physics, now almost abandoned except for detonics, the science of explosive chaos), then bring both a new eye in order to see what we hear and a happy new ear in order to hear what we see ?

Just invert both vowels of "ear" (in which "r" is a semi-vowel, so that the word sounds more or less like "ee-ö", this latter sound being shorter than German "ö" or French "eu"), you will hear "ö-ee", almost "oeil" i.e. "eye" in French (while "ee-ö" in French, can be understood as "yeux", the pair of eyes.

Just smell (with a good N-o-o-z), spell (with no bad random N-o-ee-Z) and scan a little bit, the small differences in the small do-little bits (quanta) of information which play with meaning and phomemes.

Milton has more power than Hamilton, in order to show new keys to Lost Paradises, that existed before the erection of the Babel Tower (Gen. XI, 1-9) of too many "ad hoc" mathematical tools. We have to reinvent "A Pluridisciplinary Language", neither Babelian nor Gödelian.

Note. "Babel" is (from "Babylon"), something "bad", which can hardly be understood with the ears, like "babil" in French, "babe language" in English, while "Bibli(o/a)" is to be (preferently well-)understood with the eyes. (Wells are not fiction, they are good, they provide water, one of the essential concepts.)

Subsidiary question. Can physics (or biology) explain why the essential organs of shape perception in the eye viz. rods, in the ear viz. Corti organs, are both cylindric? Is a cylinder a chaotic shape? Anyhow, Corti organs seem to like organ music, i.e. rich 1/f-signals.

Again, the answer will come from the study of information : cylindric organs (also pseudo-conic ones) are able to perform automatically, with precise rules, the FCT (Fast Cognitive or "eyelet" Transform) equivalent of the FFT, within information, transforming serial input into parallel compressed output, so that nerves (axons) may transmit (i.e. asymmetrically-propagate) information in parallel pseudo-waves (not waves : information is, intrinsically, discrete and quantified) to the brain.

Corti organs do not go to High School, College or University : they do not know what a sine function or a complex exponential is; ignoring square roots as well, they evaluate angles and directions ? What is their secret Hemming way to perceive and understand from the distance, from where and for whom the bell tolls? Hence, the importance of being ear-nested. "GIVE every man thine ear". W.S.

What they do is managed, exactly as the language they process, by pure symmetry effects, induced by asymmetric parity propagation only. Not even an addition is necessary, because organs also ignore numbers. A brain or a computer may self-organise with ONLY ONE non-arithmetic operation..., respecting the marvelous holographic properties of INFORMATION everywhere in the system. Contact the author for details.

Thank you for GIVING an honourable eye to this humble da-zi-bao.