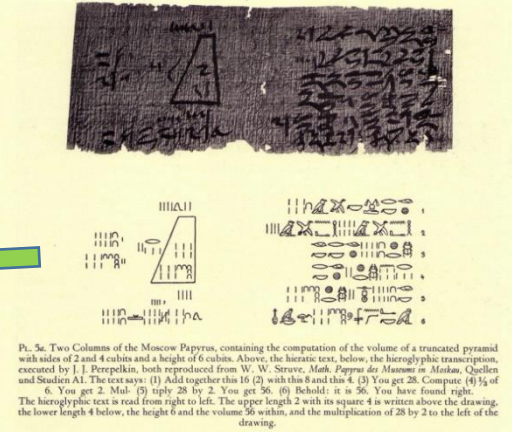


My Tattoo Explanation - Left Arm and Hand:

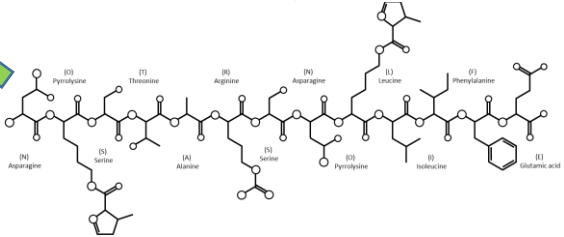
synergy of preliterate, ancient and scientific aspects of the Homo Sapiens species



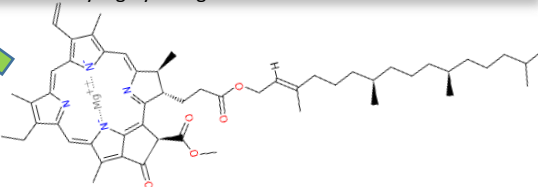
Pl. 36. Two Columns of the Moscow Papyrus, containing the computation of the volume of a truncated pyramid with sides of 2 and 4 cubits and a height of 6 cubits. Above, the hieratic text, below, the hieroglyphic transcription, executed by J. J. Perrepekin. Both reproduced from W. W. Struvc, *Math. Papyrus der Manasse in Moskau*, Quellen und Studien A1. The text above: (1) Add together this 16 (2) with this 8 and this 4. (3) You get 28. Compute (4) 1/2 of 6. You get 2. Mul. (5) multiply 28 by 2. You get 56. (6) Behold! it is 56. You have found right. The hieroglyphic text is read from right to left. The upper length 2 with its square 4 is written above the drawing, the lower length 4 below, the height 6 and the volume 56 within, and the multiplication of 28 by 2 to the left of the drawing.

[Col. XXVIII]
 [Lin. 1] Example of calculating a truncated [square] pyramid.
 [Lin. 2] If someone says to you: "A pyramid of 6 for the height (šwt) [Lin. 3] by 4 on the base (i.e., the side of the lower square) by 2 on the top (i.e., the side of the upper square)."
 [Lin. 4] You are to square this 4; the result is 16.
 [Lin. 5] You are to double 4 (i.e., multiply 4 by 2); the result is 8.
 [Lin. 6] You are to square this 2; the result is 4.

[Col. XXVIII]
 [Lin. 1] You are to add the 16
 [Lin. 2] and the 8 and the 4;
 [Lin. 3] the result is 28. You are to take
 [Lin. 4] 1/3 of 6; the result is 2. You are to take 28 two times; the result is 56.
 [Lin. 5] Behold, [the volume] is 56. You will find [that this is] correct.



Chlorophyll (more specifically, 'chlorophyll a' molecule) – is the **primary source of energy** for large portion of Earth biosphere, and, moreover, it is **the key in evolution to multicellular life**. Photosynthesis was the crucial evolutionary step in providing rich enough energy source (oxygen – being the side product of photosynthesis) enabling the development of macroscopic forms of organisms. It took several billions of years for the oxygen to saturate the ocean (e.g., oxidizing iron), and afterwards it started being extensively released into the atmosphere, shaping the Earth into how we know it – inhabited by highly energetic multicellular forms of life.



Part of the so called Problem 14 of the **Ancient Egyptian papyrus** written in hieratic, today known as the Moscow mathematical papyrus, written approx. in 1800 B.C.E. It strikingly **demonstrates the high level of cognitive functions and abstract mathematical abilities of our ancestors**. 99.9% of people even in 21st century C.E. would not be able to solve it, neither would be most of contemporary scientists without integral calculus!

Aminoacid code for string NO STARS NO LIFE, signifying that without the nuclear fusion in stars there will be no elements heavier than lithium, and thus no life either.

Dirac equation in quantum field notation, describing the **behaviour of protons, neutrons, electrons**, thus **99% of our everyday surrounding matter**.

Ancient Egyptian hieroglyphic text often used as the finalization sentence of a story. This one was taken from the famous ~1800 BC **Sinuhet story** (line 311 of the Berlin 3022 papyrus), explicitly from its hieroglyphic transcription (the original has been written in hieratic).



Ancient Akkadian / Babylonian cuneiform script meaning 'wisdom, understanding' (**muštug**), since it is the basic predisposition of a scientist for understanding the what's, how's, and why's of the world.



Graphically altered form of a word **PHYSICS**, connected geometrically with the binary code on fingers. Inspired by native **Inuit tattoo designs** and patterns as a generic tribute to our ancestors and indigenous nations.

Binary code containing the value of the fine structure constant (which defines in a universal dimensionless form strength of the **electromagnetic force**), reading (dec) 137.035999139 = (bin) 10001001.00001001001101110011110101010010110000011. Since it is dimensionless, even extra-terrestrials would recognize it as a physical achievement of our species.

Technical footnote: the upper half of the sleeve was tattooed half a year prior to taking the photo. The hand and palm part is three months old (and – little bit surprisingly - very stable).