

## Bye, Bye ... Kilo-gram ... by Dr. Giovanni A. Orlando

Written by Administrator

Monday, 20 May 2019 13:32 - Last Updated Friday, 24 May 2019 15:32

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Greetings Monday (Moon day or day of the moon, like we prefer ...)

Now, today May 20, 2019 ... is the World Metrology day ... and the International Organization of Legal Metrology have established to change the Kg unit ... from a fixed ... to something everyone can reproduce.

Because Our research in Physics ... we will take this opportunity to talk you a little about Units and Weight.

Now ... Time ago Nobel Prize Max Planck ... friend of Prof. Albert Einstein ... establish what today we call ... Plank units.

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Table 2: Base Planck units

Name	Dimension	Expression	Value (SI units) <sup>[2]</sup>
Planck length	Length (L)	$l_P = \sqrt{\frac{\hbar G}{c^3}}$	$1.616\,255(18) \times 10^{-35}$ m <sup>[8]</sup>
Planck mass	Mass (M)	$m_P = \sqrt{\frac{\hbar c}{G}}$	$2.176\,435(24) \times 10^{-8}$ kg <sup>[7]</sup>
Planck time	Time (T)	$t_P = \frac{l_P}{c} = \frac{\hbar}{m_P c^2} = \sqrt{\frac{\hbar G}{c^5}}$	$5.391\,245(60) \times 10^{-44}$ s <sup>[8]</sup>
Planck charge	Electric charge (Q)	$q_P = \sqrt{4\pi\epsilon_0 \hbar c} = \frac{e}{\sqrt{\alpha}}$	$1.875\,545\,956(41) \times 10^{-18}$ C <sup>[9][41]</sup>
Planck temperature	Temperature (Θ)	$T_P = \frac{m_P c^2}{k_B} = \sqrt{\frac{\hbar c^5}{G k_B^2}}$	$1.416\,785(16) \times 10^{32}$ K <sup>[11]</sup>

~~Na ...~~  
**Empirical means ... I do not know ... but works ...**  
**Divine is not mundane ... but Exact.**

Quantum Mathematics know in Egypt 2000 years ago by any Priest ... including Pythagoras that become an Egyptian Priest ... know exactly these concepts that are coming to be popular.

Therefore ... an Applause to ... the change ...

I cannot be so ... "Extreme" to ask them ... What is Time? ... therefore I will not. Also Time is conscious ... and have a density, and a Speed ... and is accelerating. Opps ... is tomorrow ... Not yet.

Now, are really necessary all these Units? ... The answer is again ... Nay.

May be we need only TIME ... also for Gravity and Electromagnetics ...

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I will give you some more information ...

There are a Book ... which is an excellent book ... which mix all units and help me to prove there are no this need for constant and so many units ...



**3. Weight is the sum of the difference in electric potential between any mass and the volume it occupies.**

**4. Weight is the measure of the force which a body exerts in seeking its true potential.**

**5. Weight is the sum of the difference between the inward thrust of gravitation and the outward thrust of radiation.**

Merci,Giovanni A. Orlando.