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**TWENTY EMBARRASSING QUESTIONS TO ASK  
DR. NEIL deGRASSE-TYSON.**

**EMBARRASSING QUESTION #1:**

**Explain the world-famous conjunction of the planet Venus & the Crescent Moon high overhead at midnight.**

**EMBARRASSING QUESTION #2:**

**Explain the “apparitions of Venus” as the planet Venus travels the ecliptic from dusk to dawn.**

**EMBARRASSING QUESTION #3:**

**Sidereal Timekeeping is a specialized function of professional Astronomers. They monitor the annual movement of the constellations of the Firmament. These constellations divide themselves into three separate groups: The Northern Circumpolar Group, The Zodiac/Ecliptic Group & The Southern Circumpolar Group. Please show the model.**

**EMBARRASSING QUESTION #4:**

**The Solar Year is marked by the position of the Sun on the horizon. On the horizon are three positions: Summer Solstice, Winter Solstice, & Equinox. The Sun moves from one position to another position in a strange non-linear manner. From the initial Solstice position, the Sun accelerates to the Equinox position. From the Equinox position, the Sun decelerates to the secondary Solstice position. From this secondary Solstice position, the Sun accelerates to the same Equinox position as before. From the Equinox position, the Sun decelerates as it returns to the initial Solstice position. Please show the model.**

**EMBARRASSING QUESTION #5:**

**After providing the model – the same model – then use that provided model to explain the strange periodic annual variance of Solar Time vs. Clock Time in the 24 hour “Day.”**

**EMBARRASSING QUESTION #6:**

**Assuming that the Earth rotates on its vertical axis to provide the illusion of the diurnal moment of the Sun & the Moon, provide the model for the Solar Eclipse & the Lunar Eclipse. Provide the model for the observed Shadow Bands. Provide the model for the observed West-to-East progression of the observed Solar Eclipse.**

**EMBARRASSING QUESTION #7:**

**Provide the model for the observed Retrograde Episode of the planet Venus.**

**EMBARRASSING QUESTION #8:**

**Provide the model by which the same old Geocentric Star Charts continue to be used & not replaced by “new” Heliocentric Star Charts. Provide the model of the predicted Heliocentric Star Charts which - of course- are not evidenced by Astronomical observations.**

**EMBARRASSING QUESTION #9:**

**If all inertial reference frames are equal, is the airplane stationary in the sky as the air & the Earth move rapidly to provide aerodynamic lift to the airfoil? If all inertial reference frames are equal, is the airplane approaching the mountain or is the mountain approaching the airplane? If two airplanes approach the mountain from opposite directions, is the mountain approaching each airplane simultaneously? Please show the model.**

**If movement is impossible to detect, how does radar warn the airplane of the mountain?**

**EMBARRASSING QUESTION #10:**

**If Geometric Gravity in the Space-Time Continuum of Einstein’s General Relativity “predicts” that starlight bends in CONCAVE lines TOWARD the Sun & Isaac Newton’s Corpuscular Theory of Light & Hidden Attractant Force (Gravity) “predicts” that starlight bends in CONVEX lines AROUND the Sun, what was the verdict of Arthur Eddington’s photographs of the Total Solar Eclipse of 1919?**

**EMBARRASSING QUESTION #11:**

**If Geometric Gravity in the Space-Time Continuum of Einstein’s General Relativity “predicts” that the MASS of a physical object cause a WARPAGE, the smaller object would seem to be attracted to the larger object & we would observe this interaction as GRAVITY. If the smaller object increases its MASS, then its WARPAGE increases. If this process continued until both MASSIVE objects created identical WARPAGE, then there is no interaction between the two objects which are now “WEIGHTLESS” in regard to each other.**

**Can I patent this as a WEIGHT-LOSS product?**

**EMBARRASSING QUESTION #12:**

**Which theory is correct to explain the famous “failed” Michelson-Morley Experiment of 1887?**

**Henri Poincare proposed that it failed because of the Principle of Relativity, i.e., it is impossible to detect the movement.**

**Henrik Lorentz proposed that it did not fail but rather revealed that time dilated & length contracted instead.**

**Are both theories correct simultaneously? Is neither theory correct? Did the experiment fail because it pre-supposed the operation of a physical property of the transmission of LIGHT? Did the experiment “prove” the absence of the physical property?**

**Can I have my cake, eat my cake & sell my cake to someone else simultaneously?**

**Can all of these theories be correct simultaneously?**

**EMBARRASSING QUESTION #13:**

**Is Schrodinger’s Cat both “alive” & “dead” in the Quantum State of Existence?**

**Can it list itself as the beneficiary of a Life Insurance Policy & collect for its own death?**

**EMBARRASSING QUESTION #14:**

**Does Newton’s Pedestrian propel himself forward by emulating a hopping toad or emulating a fallen tree?**

**EMBARRASSING QUESTION #15:**

**In the Monty Hall Paradox, do you increase your odds of success by switching?**

**EMBARRASSING QUESTION #16:**

**What is the difference between the two Double-Slit Experiments of 1804 & of Quantum Physics?**

**EMBARRASSING QUESTION #17:**

**As the chemical process of PHOTOSYNTHESIS “exhausts” the supply of water molecules, where do replacement water molecules come from?**

**EMBARRASSING QUESTION #18:**

**Einstein’s Principle of Equivalence is illustrated by an elevator accelerating upwards & the Pound-Rebka Experiment of 1949-1950 did indeed detect acceleration by gyroscopes in accelerometers upon a STATIONARY OBJECT, which shared the same Inertial Reference Frame with the STATIONARY FLOOR. Yet, Einstein’s Gravity explains a FALLING OBJECT in terms of DIFFERING INERTIAL REFERENCE FRAMES. Nothing is moving in the shared Inertial Reference Frame to “predict” Gravity. Einstein’s Gravity bends starlight in the wrong direction (Question #10). Einstein’s Gravity predicts that the smaller object loses weight as it gains mass (Question #11). Now, Einstein’s Gravity cannot explain the gyroscope in the accelerometer. Why do we accept Einstein’s Gravity?**

**EMBARRASSING QUESTION #19:**

**Imagine two sets of physical objects in two CAVENDISH BALANCES to detect the Hidden Attractant Force of Newton's Gravity.**

**Both sets begin with Object "A" & Object "B" of differing MASS by a factor of TEN. Object "A" will have ONE unit of MASS. Object "B" will have TEN units of MASS. The Force of Gravity is  $M_1$ , multiplied by  $M_2$ . The Force of Gravity is the ARITHMETIC PRODUCT.**

**In the first set, Object "A" will increase in MASS incrementally until it is equal in MASS to Object "B". In the second set, Object "B" will increase MASS similarly to deliver identical FORCE.**

**In the first set, Gravity increases as the MASS equalized. In the second set, Gravity increases as the two MASSES increased in difference.**

**Do we need a super computer of N.A.S.A. to explain this? Maybe a Population Study with a Probability Theorem?**

**EMBARRASSING QUESTION #20:**

**Let's call it a "MULLIGAN", ok?**

**Zoroastrianism begat Heliocentricity.**

**Kepler poisoned Reimers in 1600 A.D. & Tycho Brahe in 1601 A.D. to promote SACRED GEOMETRY.**

**It has been the Bogey Train since then.**

**Thank you for reading; this is an installment of CLUELESS IN PARADISE.  
Happy De-Programming!**