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VOICE THUNDERING IN THE WILDERNESS

LATEST LETTERS NEVER ANSWERED

BY:

GEORGE P. STAVROPOULOS
B.Sc., M.Sc., D.I.C., Ph.D.

ATHENS
2011

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VOICE THUNDERING IN THE WILDERNESS

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*To them all that wish to know all that truly matters,
that is studiously
kept hidden from them for at least three long decades.*

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PROLOGUE

The Voice that thunders is *not* mine! I am *not* that conceited, as indeed some truly are! I only attempt to put it down in words that all can understand! Do I hear it then when others cannot? Not in the least! I only attempt to express in words what is indeed written down as indelible diamond-hard-solid *universal* fact; that for more than three centuries has *not* been sensed that indeed is there and determines *all* that is physical, and decides the state of all that is truly spiritual, *not* what is *said* to be such! To tell the Truth that concerns me, back in 1964, when I needed to know some *partial* truth, *both from inside and outside me* I was indeed asked whether I needed to know and would be satisfied with knowing just *that* particular, *that partial* truth—or rather the *whole* Truth. I perspired and trembled! Sensing that that question was *not* mine, I replied: "All the Truth that I can stand, Lord!" And ever since I ask and seek the answers that can stand the rest of time to eternity!

It has not been a pleasant life, that is to say, by the accepted social standards. You ask in innocence and in agony, but the questions make others uncomfortable! What do you do? What would *you* do? I did not press others beyond where I sensed they could not stand it, given the particular personal bond. But as for myself, that bond *was* unbreakable! So, I never stopped asking questions and I found answers that others did not know existed, because they had not put themselves to the task. But it *has* been a *satisfying* life spent in listening to the Voice!

The Voice *has* been calling, and it has *never* stopped calling, *indeed, thunderously in the Wilderness!* But now, we *must* understand that Wilderness is *not* just the no man's land. *Nobody* is *that* insane to be telling *sensible* things thunderously in *that* sort of Wilderness! The truest Wilderness also is where men *cease to behave as people and consciously choose to behave as wild animals* throwing themselves at each other's throats, while pretending to believe even to the point of persuading themselves that they continue to act humanely—whether they sit around a table uttering nonsensical flatteries, unbearable commonalities, or pointlessly talking simultaneously to each other while listening only to themselves, or even conspiring on how to present somebody as the enemy that is supposedly after them whom they must eliminate before he eliminates them! If you doubt the truth of this statement, you only need to take a *close* look at what the newspapers print and indeed the television offers as the latest most up to date stuff: "All the 'news' that the readers *must* be persuaded that *alone* is fit to print!" And raw immorality; mute, except for the spectacle, self-selling nakedness packaged expressly in order to sell; the grossest ever imagined mayhem, destruction, hot running blood; at which we no longer hesitate, in order to save expenses (our *true* "god") to involve even Hollywood-produced humanoids; thus *most deliberately* blurring the distinction of man and machine, aiming to instruct and make him believe that he too is no better than an *expendable* machine pro-

duced by chance, uncertainty and "evolution" for no purpose at all other than what the "bosses" set up for him, for which "service" *they* determine *they* deserve high remunerations and Nobel prizes!

[I cannot resist the temptation to comment here on the most sorrowful act perpetrated for long years already by young people here in Greece—where these lines are being put down on June 1, 2011: Under the sociopathic socialistic political system self-imposed upon the NeoGreeks, elementary and high school students upon graduation each year "celebrate" the event by *burning their school-books* of the year just passed! Books given to them *for free* in the beginning of each school year. *Not* idiotically but for *most determined mute* purpose, the state took *no* measure against that *barbarity*! The students refuse to realize that by that their own act *are* cut off from what they just "learned" *and are* thus burning the bridges behind them, so that as with the passage of time they cannot but tend to forget what was in the books, they *cannot* return back to it to refresh their memory and compare it to, and incorporate it in their minds along with, the new material as they advance through the school years. So far, the State did *not* mind! The teachers' professional organizations did *not* act! Under the present economic constraints, the government just only asks that the books be kept in good order and passed on to the following class, in order *solely* for the state to save *some little* money spent on reprinting the *same* books for the next school year. The *mute* purpose of *denying* the students access to their "old" books *is being preserved intact*! Most deliberately, the students are *not* taught to reason, but only to memorize till examination day and then discard the "burden"! Which is how "intellectually" slaves are made! What the slave-masters intend is that the *lies* they thus teach, especially as regards the humanities *and yet not only them*, never be found out! What the slave-masters, in their own thus *certified* idiocy, do not realize is that they thus produce *demanding* slaves ready to burn—not just books but *everything*! This is the New Greece, where once the Ancient Hellas taught the world! Alas, there are some people, both here and abroad, who think that by destroying the New Greece they shall also wipe out the bequest to humanity of the Ancient Hellas, thus securing the Wilderness!!!]

Kindly, please, do not misunderstand!: I do *not* forgive everything the Hellenes did! When you limit your perception of the world to your valley surrounded by high mountains, you have no more than a peasant's view of the world, however high-minded you are as regards your civic activities. And it is madness to be at all, let alone on constant, war with the people inhabiting the valley just behind the maintains that delineate the borders of your domain! The Hellenes never, alas, considered forming, at least, a confederation of all Hellenic states much better able to resist foreign threats. That would have given them not only a broader view of the world, but also the ability to deal with larger states, such as the Persian Empire and later the Romans on a more equal basis and mutually more respectful terms, thus broadening the cosmopolitan view of all and eliminating mutually destructive strife. To this very day, such cosmopolitan view has *not* yet developed, *despite appearances*, behind which there always lurks the constant effort to exploit others to the limit of one's utmost capability do so!

Thus it is that we still do not even dream of developing a *Universal* view

of the entire Cosmos, *let alone the correct view of it, all* of which is *absolutely* needed to be what it is for *this* little planet to be what *it* is! And thus it is that we fear other worlds and think we can "conquer" them by developing our own space travel capabilities. Sick grandiose dreams! Distracting us from taking *good* care of our world on this little planet.

The years passed, the Hebrew Bible was translated, ca. 250 B.C., into Greek in Alexandria, by Hebrew scholars; and their work was declared by those who then knew both languages as a most excellent translation of the Hebrew original. More years passed, the Hebrews were forcibly dispersed, *not even one intact copy* of the original Hebrew text survived, and *only* in the 10th century A.D. was the Masoretic Recension compiled, unquestionably under great pressure to resist the Christian use of the Septuagint Old Testament that to this day has survived intact. One question is thus raised: If the Hebrew Bible truly was the Lord's word, how come did *He* allow its destruction? And how indeed was it with *His* blessing that the original fifty two books were restricted to only thirty nine by Hebrew scholars, this ca. 95 A.D.? I do *not* want to re-open old wounds, but the Universalist view of the World *does* demand an answer. That tests even the Christians: the commandment "αὐξάνεσθε καὶ πληθύνεσθε καὶ πληρώσατε τὴν γῆν καὶ κατακυριεύσατε αὐτῆς" is usually translated as "increase and multiply and fill the earth and subdue it". But the "κατακυριεύσατε" is *badly and most deliberately mistranslated* as "subdue". The Greek word in the Lord's lips truly means "become *complete masters and as such do take complete care of*". The main word within the word "κατακυριεύσατε" is the word "κύριος" meaning "master" that contains *all the worrying about the safe condition of the matter* of which the assignee is declared to be the master! The "κατακυριεύσατε" has *absolutely no relation* with the conqueror who regards the conquered land his own to turn upside down and inside out for his crass benefit! These are *not* things that can possibly be understood as meant by the Lord! "Κύριος" also means "Mister", while it is from "Κύρ" that the "Sir" is derived! In *absolutely no sense* did the Lord give us permission to destroy, exhaust, exploit, plunder, or poison in any way the earth, as some utter fools, not in the least deserving the "Sir", supposedly God-fearing maintain as solely their own supposedly God-given right! Such a right was given to *absolutely no one!*]

In *that* Wilderness is it that *only some* hear and others do not! *Not* as a result of some physical defect, but for their misuse, or much more accurately, their *insane abuse* of their own God-given freedom! Let us face it: We all are free! The difference is in the objective to which we put our freedom. Do we seek an "easy" destination that calls for the *easy* tasks, that as such are not even tasks, or do we undertake the real difficult tasks that never fail to guide to the Destination worthy of men of *real spiritual* muscle? Brother, *never* ask what is an easy task for you to undertake! Ask for a difficult one that steels the character and makes you ready for the next step *upward*! Because, Up There is your *true* Destination! In order to reach There have you come to this World! Listen not to the sirens calling you to the bottom, by showing you the "easy" way! The lowlands is where the rocks, the dirt, the mud roll and slide! Is that, can that be the company of your choice? *They* have no ears to hear, *they* only *obey* the force of gravity. But you, I take it, love the light! It is *not* for nothing that the word light

has a double meaning! Of the physical things, nothing is lighter than light! And the brighter it is, the happier you feel! The *light* lifts you upward, with it you find where to grab the rock, where to set the foot!

The true Wilderness thus is exactly where *by the free choice of the listeners* the Thundering Voice is never heard, where the Truth is hated for being much too bright for eyes used to the darkness and for that reason are almost blind.

Are you among the few that suffocate in this *cowardly not* "Brave New World" that the powers of Darkness are well in the process of establishing? Do you want to know *the most secure spot*, upon which to step, on starting your admittedly *arduous* way upward? Just step on the Law of Gravitation that *only seems* to pull everything to the bottom, but it *cannot*! Just, Brother, reason:

Modern "science" of which so many are so proud, is in truth based on *arbitrary* spineless, not in the least well thought out suppositions thoughtlessly thrown together: Just consider: In order to avoid considering seriously even the possibility of a Maker, highly respected yet *cheep* "philosophers" and *cheaper* "scientists" are stating as a *supposed* physical fact that the physical universe has always been there very much as we already observe it. Others, based more on observation, contend that the universe has a particular age of some twelve to thirteen billion years. And "renowned" thinkers, depending on how the public "conversation" leans, conveniently state either the one or the other of these two propositions. Now think: even you are of particular age. And for that *sufficient* reason you simply *cannot also* have always been! That is an *absolute non-negotiable Logical contradiction in terms*. That holds for *everything, the Universe included*.

A recently discovered galaxy was stated to lie at some 13 billion light years away. But if that were true, it *must* lie close enough to the geometrical spot at which the universe began having its age counted. I use this phrase on purpose to avoid, as of yet, the expression "to the geometrical spot at which the universe was created". But with *an equal right*, an observer at that galaxy *could right now* make the *very same* statement about our own galaxy! For both these statements to be right there is *only one* logical possibility: that the universe was created then exactly as it is now observed *from any spot in it* and has since suffered *no* change at all! Yet, this possibility is *not* supported by anyone, or *any* theory so far proposed!

But this statement *denies* Hubble's discovery that the universe expands. But the expansion *seems contrary* to the law of gravitation, that cannot but have *also* been active for as long as the universe exists! How then does the universe *both* expand *and* gravitate? And as for the light, how with both those laws active, does it manage to maintain its velocity constant as modern "science" chooses to believe? To answer these questions we need *no* theories but *simple incontrovertible* mathematical equations, readable and understood even by non-mathematicians, tying the universal qualities/quantities together, against which *no* sane objection can be raised.

Modern "science" quite simply *cannot* answer these questions as just suggested with an honest straight face! And to state that Reality is much too complex to provide an answer as just suggested can only be tolerated *after* it is conclusively shown that Reality has been demonstrated not to admit such a

simple answer. Which has *not* been demonstrated! Does this then mean that our modern "science" *cannot* tell us ought of substance about *objective* Reality? That *is* right, to the extreme chagrin of the "scientists" that do not want to have to admit it in full public view! That *is* right, yet *only* about the "science" that is still taught in the universities of the world, despite the fact that the professors have since 1986 been informed that these questions *have been resolved*, though in a way that *exposes and cancels* their beloved assumptions, theories and beliefs! To save face, they since *consciously to the last man (or woman) among them* choose to teach *lies, on purpose afore-thought misguiding* their heavily paying students and *all* the nations of the world!

The Law of Gravitation does *not* suffer from any such defects, it has *not* been based on *any* man-made assumptions! It *does* require that the universe have a center. Einstein found this "distasteful" [see his Relativity, Crown Publishers, ISBN: 0-517-029618, ISBN: 0-517-025302 pbk, p.107], but he did *not* give *plausible* reasons for this his taste. We *must* understand that the admission of a classically well understood center implies a well defined geometrical structure, even if it be of infinite size/volume. Geometrical structure and size/volume are *distinct* and *not in the least antithetical* characteristics; but giving the emphasis on a *theorized* infinite volume *without a distinct geometrical character* permits everyone to claim being at the "center" of the universe, at least in so far as claiming that the "same"(?) view of the universe is obtainable from *all* observation spots everywhere. We, thus, are perfectly justified to state that this his *deliberate* choice of taste was *solely* based on his realization that the existence of an *objective* universal center runs *squarely contrary* to the entire conception of relativity that he chose to advance that *mutely* sets *every observer anywhere* at that quasi-equivalent center! In the reference given above, he admits that

"Of course we purchase our emancipation from the fundamental difficulties mentioned at the cost of a modification and complication of Newton's law which [i.e., the modification and complication] has neither empirical nor theoretical foundation. We can imagine innumerable laws which would serve the same purpose, without our being able to state a reason why one of them is to be preferred to the others; for any one of these laws would be founded just as little on more general theoretical principles as is the law of Newton."

From which it becomes clear that *without asking for our permission, he does not* mind paying for "*our* emancipation from the [*perceived*] fundamental difficulties" the cost of modification and complication of Newton's law, by *consciously* choosing to set his entire reasoning "*on more general theoretical principles*" of *his* own devising, *without first investigating in detail all that is indeed hardly "hidden" behind the natural law* Newton discovered already existing!

Which, moreover, *proves* that a detailed investigation (possible *only* on the basis of dimensional analysis) of what is "*hidden*" behind Newton's law had never been undertaken before Einstein's above writing, or since; until, that is, it was presented in the PRINCIPIA PHYSICA UNIVERSI, that finally boils down to the *few* equations given here in several letters (see pp. 41, 52, 97, 129-30, 138, 174-5,

182, 204, 206-7, 221-2, 226-7) sent to recipients all the way up to the Nobel Committee, *none of whom* has found within himself the irresistible urge to send back the slightest comment either disproving or admitting the statements made in my letters to them!

The thus non-admitted incontrovertible universal hard fact that calls for a *fully rational explanation* is that, as these equations derive directly from the dimensional analysis of a *non-man-made natural law*, they raise the question of how the inanimate nature found it possible to institute the physical-mathematical laws it itself stands under ever since it came into being, given the unquestionable fact that mathematics is a *purely mental* activity, of which the inanimate physical universe quite simply is *not* capable!!! If ever the question of a mind pre-existing a construction that *it* thought and saw to it that it come into being has *never itself* come under question, neither can it come under question in this *absolutely unique universal* case! If ever *proof* of a Mind *over and antecedent* to matter was sought, here indeed is it supplied by this minimal set of dimensionally derived mathematical equations! This is what the muteness of the recipients of the letters sent to them, that are here presented to the world for their scrutiny also, intones! All of the former *mutely refuse to admit* that the Lord's Perfect Mind *is thus unquestionably proven to have acted before the physical universe came into being at the specific zero moment of thus instituted physical time! What the latter shall admit remains to be seen! Yet, however each one of us finally decides to stand, this irremovable Truth cannot be made to go away and it shall chase him! The Truth is here! And for being here, it shall stand forever!*

Seen from the present not in the least pleasant perspective, that is, by those who have eyes to see and a well trained mind to reason, the fate of the world on this planet *shall depend* on how this very same world, rather than the "experts" that have brought us to the present impasse, decides to react to this new and *binding* knowledge! I am fully aware that the views expressed in all my writings are most unpleasant to all those who either for lack of better education, or alas by *conscious* choice, or even out of pure hatred of Perfection before which they find themselves much too short and unwilling to work hard for it even to begin feeling within themselves the pure rapture for its being there even for them provided they make the effort, have not developed the critical acuity needed to discern the Perfection of Λόγος Who stops before nothing that falls short of His Ultimate Objective. Were it otherwise, and were they able to refute what I have begged them to refute if at all possible, they would already have done so, and I *would* have shut up! Their total silence all these years betrays and exposes their inability to present even just a barely passable counterargument. Because thus *consciously*, they continue to *deform* the world by teaching theories that *cannot* stand the light of critical examination based on incontrovertible physical evidence, on my part I simply cannot stay silent. It is with *equal doses of duty and sorrow* that I here proceed to expose to the world *more* of those who are thus found *consciously to exhibit their utter contempt* for their own sworn duty to lead *upward*, *not* just "forward" in full view of the all too clearly visible precipice, the world. Sooner or later the world *shall* know! They simply *cannot* hide forever!!!

Athens, Greece, June 18, 2011.

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August 3, 2010.

01. Re: Letter to isquare.gr, about problems and the website.

iSquare.gr
Attention: Software Department

Dear Sirs:

Since 1991, before we left NJ, and still, I have been using my faithful Macintosh IIsi (System 6.0.7) with an extended keyboard, equipped with a MacWrite II application and other ancillary applications as they stood for the USA market in 1991. The Apple stores I visited here during the 1990's and the Company from which you took over were unable to help me upgrading my American standards equipment, that I had enriched with the Laser GREEK(1994) and FINAL SIGMA(1993) programs from Linguist's Software, that enabled me to write even ancient Greek with the greatest of ease. Some letters regarding upgrading sent to Apple in the 1990's when Mr. Jobs had left the Company remained unanswered. So, I was forced to persevere with my Macintosh IIsi (System 6.0.7), in which I performed my work all these years.

On February 26, 2010 I bought a 21.5" Snow Leopard iMac, after waiting *deliberately* for it to become available in the Greek market, on the belief that it would not be too difficult to transfer to it the material I had produced on the IIsi. To my dismay, the iMac no longer supports what Apple calls the "Classic Environment"

Since January 12, 2009, using the IIsi, I began putting in electronic form a book that I had published in 1986, after which I proceeded to put in final form seven more books, with the intention of donating them *totally free to all interested users of the Internet*, though **strictly only for their personal use**. A friend of mine devised a scheme that enabled him, using a simile of the IIsi environ-

ment in his *Leopard* system, to introduce my IIsi material into his 20" Leopard Mac that still supported the "Classic environment" and put that whole product on a CD, wherefrom I was able to put it in my iMac, where I was finally able to put it in pdf form! Other friends, helped me with the process of preparing the material for the Internet. The result, though still not entirely perfect, given the great difficulties of the complex entire project, is now available in the address

www.thefreegpslibrary.edu.gr

where you can reach it and evaluate it both for appearance and its *totally unique critical scientific, intellectual and philosophical content*.

The MacWrite II application was truly a superior program! Kindly note that the PRINCIPIA PHYSICA UNIVERSI was written entirely on it, *without any help from some specialized math application!* I cannot tell you how terribly I miss it now, attempting to write even this simple letter with the TextEdit program in my new iMac 21.5" (10.6.4...), that in no way can allow writing ancient Greek as easily and precisely as the MacWrite! I must say that APPLE committed a mistake in discontinuing the MacWrite II, instead of enriching it with the newer graces and keeping it in perfect permanent use!

My continuing great problem is that I cannot transfer plenty of *important other material* still present in the IIsi to the iMac using diskettes and a floppy drive with a USB connection, as the iMac no longer supports the "Classic Environment". Nor, indeed, can I do the opposite, i.e., transfer material from the iMac to a diskette using an external USB Floppy Disk Drive for use in the IIsi. Certainly, you understand that there must be an *inexhaustible* number of files and documents that users of older Mac systems simply could not transfer forward from system to system, except only what was most needed at the time, given the relentless constant pressure of the daily work. To lose all that material *cannot but truly be a great blow to civilization itself!* *Luckily, not everybody uses the precious APPLE products for the production of trash!*

I would be in your debt if you could provide a cure for this problem. I can see a number of ways for doing this:

- (a) provide a "patch" that would allow complete and direct communication of the iMac with the "Classic Environment".
- (b) provide a "patch" that would allow "Classic" material entered in the iMac from diskettes (via USB) to be directed to the *simulated* IIsi computer *within* the iMac. [I confess this is very time-consuming, as it requires great care to do safely and correctly!]
- (c) partition the disk in such a way that one part of it operates in the classic environment *yet there is a gate for allowing the partitions to share material without loss of its formatting*.
- (d) use a *second* hard disk within the iMac dedicated to the "Classic environment" that, however, ***will allow trouble-free*** transfer of material to and fro without loss of its formatting.

[On p. 415 of David Pogue's book "Mac OS X Snow Leopard—The Missing Manual", there is a reference to formatting a disk for use with an "ancient Mac OS 8.1 or earlier"! So what I need must *not* be all that exotic!]

Kindly note that I am past 76 years of age, and I simply do not have the time to spend over programming, but only on what must still be put in print, in this case electronic, for people finally to wake up at last to the very hard facts, that so far have *deliberately* been avoided, as I prove in the material already present in the dress given above!

On July 1, 2010, I raised the subject in a note sent by e-mail to
info@APPLE.COM.

They answered that I should address my query to a local Dealer. On July 7, 2010, I sent a registered letter to APPLE, Inc. in Cupertino, Attn.: The Directors of Software Development and Technical Support. They have yet to reply! Perhaps, the e-mail I gave them had some extra characters, or they got tired of looking for the material in the Internet! At that time, I had been promised, by the people who would introduce the material to the Internet, that it would be up within a day or two, i.e., in time for the people in Cupertino to see it by the time they would get my registered letter. And I believed them! Alas, with things running as we all know in Greece, it took the whole month! Naturally, I shall remain in agony awaiting your response!

Most sincerely,

GPS—

COMMENT: Neither this nor many other letters to many world-renowned experts whose names I better not reveal, whose the help was requested for salvaging documents and useful programs from my old trusty Macintosh IIsi was/were (as of June 9, 2011, when this comment was added) ever so far responded to.

George P. Stavropoulos, B.Sc., M.Sc., D.I.C., Ph.D.
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August 3, 2010.

02. Re: Announcing the existence of my Website.

Dr. Plato Kapranos:
University of Sheffield
Sheffield
United Kingdom

Dear Dr. Kapranos:

As an old graduate (M. Sc.) of the Department of Metallurgy (1961-3, then under the stewardship of Prof. A.G. Quarrell), considering it to be my duty to inform the Department of a set of books I am offering *for free* to all Internet users for their *personal* use in the address

www.thefreegpslibrary.edu.gr

in case the Department was not otherwise informed of their existence, and searching about the University of Sheffield in the Internet, I noticed the very great changes [after all there has been almost half a century since!] that have taken place there. Seemingly, the old Department of Metallurgy is now absorbed in the present Department of Materials Science and Engineering. It was in it that I noticed your name and duties and thought that, *perhaps* I ought to contact you instead. I hope I shall not burden you.

You may be interested in knowing that after leaving Sheffield I found an opening in the Department of Metallurgy of Imperial College, London, where it took me four more years (1963-7) to take my Ph.D., working on the then extremely difficult problem, sponsored by the UKAEA, of measuring the *exact* solubility of oxygen in liquid sodium, that is used as the principal coolant in LMFBR reactors, the *absolute* safety of which may *never* be overlooked. Eventually, that problem was solved later, when I moved to the Argonne Nat.

Lab. in Illinois, (May 1969 to end of Oct. -71). And from there to the Research Department of ASARCO, inc. in NJ (Nov. 1971 to the end of Nov. 1984).

There, in the spring of 1974, I had the idea of performing a *careful dimensional analysis* of Newton's Law of Gravitation, *as, apparently, had never been done for three hundred years!* The complete findings of that arduous, totally private work performed in my own time were collected in a book self-published in 1986 or the reason that the "scientific" establishment would *neither admit to them nor permit their publication—as they would have to abandon their established theories! Nor did they ever since admit the existence of the book that was sent to them all over the country and overseas for substantial comment, rebuttal, or even reasoned total rejection.* So, indeed, shocking were the findings that the great professors *and* Nobel laureates would simply not commit themselves in writing! In short, Newton was only the discoverer of the Law, *not* its Author!

As we humans know *not even a single law that has had no lawgiver*, immediately the question arose as to who the Lawgiver was who had such absolute command of arithmetic, geometry, physics, Logic *and* the power to put everything into physical being in a way that contained *absolutely no conflict between that Law and all those other laws, including quantum mechanics!*

Moreover, as *no* physical lawgiver can be found *in* the physical universe having such abilities, the conclusion *is indeed forced:* The Lawgiver is not material but purely *spiritual!*

The so-called "argument" that the physical world has somehow always been *is eliminated* by the finding of the dimensional analysis showing that the *constant* gravitational constant G and the *constant* total mass of the universe M are related by a function containing the radius R of the universe depending on its age T raised to the 2/3-power, and expanding with a velocity $c = dR/dT$ (i.e., that of *light!*) proportional to the -1/3-power of its age, while the *variable* density D of matter in the universe is proportional to its age raised to the -2 power! So, if the universe has always been, its density ought now to have been an exact zero, making absolutely nothing observable in it, and the light to stand still! Of course, the dependence of the velocity of light on the -1/3 power of the universal age terminally eliminates from consideration the theory of relativity!

On the other hand, the idea that the universe is the result of pure chance only seems to prove that those who so "argue" prove themselves never to have seen a trash dumping site; and if they have, that they never learned anything from the sight! And the idea that "space expands faster than light" most certainly *cannot* be taken as a statement of self-respecting scientists, even as it is advanced by Nobel laureates! They propound on a "thing" *they have never seen, touched, experimented upon, or shown to be subject to some discernible Logic!*

With these findings in mind and reading my own name in the *proper* ancient Greek manner, to mean "Worker of the earth son of the Cross" I have, over the years, composed a series of books that I have now prepared (save for some very minor oversights, that, alas, cannot be set right for another two months) and have already offered them *totally free* on the Internet for the *personal* edification of the truly concerned readers. I trust that you, too, carry the

"Plato" with a heavy sense of responsibility! As he, so we, too, *must* see the essential unity of the world, proved by the *constant* operation of the Spirit and of the Intellect that is truly seen to stand *immovably* as the Lawgiver of the *true* Laws—not just the "laws" we *think* we know in the form of what we call present "science"! Now that I think of it, I find that it *shall be pitiful* of the scientists to be overtaken by intelligent interested readers in recognizing the essential unity of the world before the bona fide scientists are moved to do so!

We at last *must* confess that the Lawgiver-Creator-God, Whom the "scientists", subject to the pressures of the "Market", have willfully been refusing to confess, collects in Himself ***all the needed power of self-inspiration to act toward a worthy of Himself Ultimate Purpose, and the power of foreseeing the Result He desired, and the power of producing out of nothing material pre-existing*** a world *fully capable* of helping reach the unforeseen desired result!

It is truly lamentable that "scientists" have cunningly persuaded even so-called "Christian" bishops, archbishops, patriarchs *and* the Pope himself to the view "that the existence of God cannot be proven", which *truly constitutes the unforgivable sin against the Holy Spirit*, as it *willfully* ignores that the *concrete* universal laws under which the universe functions *are nothing other than the tangible signature of the Lawgiver!*

That our morals are indeed what we see them to be is the inevitable consequence. We may *not*, therefore, feel surprised that our world goes from bad to worse, and that the "optimism" publicly expressed is that of those who, being blind to the universal facts, desire the very worst and have the temerity to call it "progress and development"! Naturally, for the conscientious Christian the optimism *has* a terribly significant meaning, because of all the attributes of the Lord, His patience is *not* inexhaustible, for if it were, Justice and injustice *would* be coequal, which most definitely IS NOT the purpose of the Holy Spirit, and we now approach ***very fast indeed*** the Dies Irae!

With all these in mind, I assure you, ***I do not seek fame!*** At 76+, I agonize to bring to the attention of the world the truths the Lord entrusted me with to bring forth! If even a single soul be lost on account of my reticence, *it shall* hang on my neck! This is why I feel that I cannot wait even for the next two months to set all minor details right. I may not be here! Only the Lord knows! And I truly feel that all the *conscientious* teachers of the world, given the present circumstances, may *not* be any less concerned than I am!

Most sincerely,

GPS—

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August 9, 2010.

03. Re: Announcing the existence of my Website.

Rector Sir Keith O'Nions:
Imperial College
London, UK

Dear Sir Keith:

Having been a graduate of Imperial College (1967), I request that you please be kind enough to consider what follows, that I feel obligated to bring to the attention of the institutions with which I have been associated in the past.

I have just (as of July 30, 2010) opened the web site

www.thefreegpslibrary.edu.gr

through which I offer a set of books *entirely free* to all concerned Internet users for their *personal* edification (save for some very minor oversights, that, alas, cannot be set right for another two months), books of sufficient scientific, intellectual and philosophical importance to cause a very serious stir and embarrassment to the scientific establishment in case they are first noticed and begun being discussed first by people outside that establishment.

The whole matter began back in 1974, when I had had the idea of subjecting Newton's Law of gravitation to *careful dimensional analysis as, apparently, had never been done for three hundred years!* The complete findings of that arduous, totally private work *performed in my free own time* were collected in a book self-published in 1986 for the reason that the "scientific" establishment would *neither admit to them nor permit their publication—as they would have to abandon their cherished established theories! Nor did they ever since admit the existence of the book that was sent to many of them all over the country and overseas for*

substantial comment, rebuttal, or even reasoned total rejection. So shocking were indeed the findings that the great professors *and* Nobel laureates would simply *not* commit themselves in writing! In short, Newton was only the *discoverer* of the Law, *not* its Author!

As we humans know *not even a single law that has had no lawgiver*, immediately the question arose as to who the Lawgiver was who had such **absolute command** of arithmetic, geometry, physics, Logic **and** the power to put everything into physical being in a way that contained *absolutely no conflict between that Law and all those other laws operating in the universe, including quantum mechanics!*

Moreover, as *no* physical lawgiver can be found *in* the physical universe having such abilities, the conclusion *is indeed forced*: The Lawgiver is **not** material but purely **spiritual!**

The so-called "argument" that the physical world has somehow always been **is eliminated** by the finding of the dimensional analysis showing that the *constant* gravitational constant G and the *constant* total mass of the universe M are related by a function containing the radius R of the universe depending on its age T raised to the $2/3$ -power, and expanding with a velocity $c = dR/dT$ (i.e., that of *light!*) proportional to the $-1/3$ -power of its age, while the *variable* density D of matter in the universe is proportional to its age raised to the -2 power! So, if the universe had always been, its density ought now to have been an exact zero, making absolutely nothing observable in it, and the light to stand still! *Of course*, the dependence of the velocity of light on the $-1/3$ power of the universal age *terminally eliminates* from further consideration the theory of relativity!

On the other hand, the idea that the universe is the result of pure chance only seems to prove that those who so "argue" prove themselves never to have seen a trash dumping site; and if they have, that they never learned anything from the sight! And the idea that "space expands faster than light" most certainly *cannot* be taken except as a licentious statement of *not* selfrespecting scientists, even as it is advanced by Nobel laureates! They propound on a "thing" *they have never seen, touched, experimented upon, or shown to be subject to some discernible Logic!*

Nor can the statement of S. Hawking to the effect that we must fear the far off aliens be taken seriously: Given the vast distances involved, **no** civilization can learn seamlessly in time from another, **nor** set itself to follow some cross-Logic relative to another *within this one* universe that permits *only one* Logic, nor consider itself at risk—unless it judges matters by its own blindness, as **no other such worlds are needed to exist!** The *spiritual* problems posed by the universe **are indeed universal, but also fully answerable by just one civilization!** So, to the extent that top scientists propound such ideas only shows how little their intellectuality, to say nothing of their spirituality, has profited from their scientificity, since they judge the universe by their own personal "lights" that are not! If the words seem strong, please consider the effect of the behavior thus criticized on people who swallow such statements without *any* ability of digesting comprehension!

It is indeed pitiful that scientists have mutely agreed to become and remain the servants of the stock-exchange marketeers! Who are in the business of "creating" *false* "values" that can only be met by printing ever cheaper paper money, thus *robbing* the honest savings of those who do not spend everything as they earn it! And as for ever more energy to meet our always insatiable demand for it, we seem to forget that we **must consider just every form and amount of energy** we spend in the production even of the so-called green energy! *All* that energy is finally discharged as heat, and the planet temperature can **only** increase, unless we learn to spend **only some** of the energy the Sun sends us, as the rest of it **must** be spent as it is already being spent for the preservation of life on the planet! Or else, **we shall both burn and drown!** Nor may we still rely on wars to get us out of the present world-wide recession!: The world is no longer what it was back in 1928-32! Even if we decide to kill half or three quarters of us, just in order that the survivors have an easier time, theirs too shall be the duty to bury the dead, and *before* they are done with it, the killing disease *shall* inevitably and inescapably spread among the "lucky" survivors! The planet **is much too small for any such "solutions"!**

With these findings and not in the least pleasant considerations in mind, and reading my own name in the *proper* ancient Greek manner to mean "Worker of the earth son of the Cross", I composed over the years, the series of books I offer. I trust that you, too, carry your name with the corresponding to it sense of heavy responsibility—"let all falsehood be swept away by the Wind"! Perhaps more than to all others, it befits more to *proper* *Greeks in the Spirit still holding on to the ancient paradigm* to see the essential unity of the world, proved by the *constant* operation of the Spirit and of the Intellect that is truly seen to stand **im-movably** as the Lawgiver of the **true** Laws—not just the "laws" we *think* we know in the form of what we call present "science"! Now that I think of it once more, I find that it *shall be pitiful* of the scientists to be overtaken by intelligent readers in recognizing the essential unity of the world before *they* are forced to do so!

We at last **must** confess that the Lawgiver-Creator-God, Whom the "scientists" for being subject to the pressures of the "Market" have willfully been refusing to confess, collects in Himself **all the needed power of self-inspiration to act toward a worthy of Himself Ultimate Purpose, and the power of foreseeing the Result He desired, and the power of producing out of nothing material pre-existing** a world *fully capable* of helping reach the *foreseen* desired result! It is truly lamentable that "scientists" have cunningly persuaded even so-called "Christian" bishops, archbishops, patriarchs *and* the Pope himself to the view "that the existence of God cannot be proven", which *truly constitutes the unforgivable sin against the Holy Spirit*, as it *willfully* ignores that the *concrete* universal laws under which the universe functions *are nothing other than the tangible signature of the Lawgiver!*

That our morals are indeed as we see them to be is the inevitable consequence. We may *not*, therefore, feel surprised that our world goes from bad to worse, and that the "optimism" publicly expressed is that of those who, being blind to the universal facts, desire the very worst and have the temerity to call it

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With all these in mind, I assure you, **I do not seek fame!** At 76+, I agonize to bring to the attention of the world the truths the Lord entrusted me with to bring forth! If even a single soul be lost on account of my reticence, it *shall* hang on my neck! This is why I feel that I cannot wait even for the next two months to set all minor details right. I may not be here! Only the Lord knows! I truly feel that *all* the *conscientious* teachers and scientists of the world, given its present condition, may *not* be any less concerned than I am!

Most sincerely,
GPS—

P.S. Please kindly note that as early as 1988 I had sent a copy of my first (and then only one) book to the then Rector of IC Sir Eric Ash, who stating "... But then, I am only an Electronic Engineer..." decided to take no action. You shall find the details on pages 192-6 and 203-4 of OBSCURANTISM EXPOSED.

George P. Stavropoulos, B.Sc., M.Sc., D.I.C., Ph.D.

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August 10, 2010.

04. Re: Announcing the existence of my Website.

Dr. E. D. Isaacs, Director
Argonne Nat. Laboratory
Argonne, IL

Dear Dr. Isaacs:

Having served at the Chem. Engineering Division for two and a half years way back between May 1969 and Oct. 1971 then under Dr. Vogel, I request that you please be kind enough to consider what follows, that I feel obligated to bring to the attention of the institutions with which I have been associated in the past::

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The whole matter began back in 1974, when I had had the idea of subjecting Newton's Law of gravitation to *careful dimensional analysis as, apparently, had never been done for three hundred years!* The complete findings of that arduous, totally private work performed in my free own time were collected

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worse, and that the "optimism" publicly expressed is that of those who, being blind to the universal facts, desire the very worst and have the temerity to call it "progress and development"! Naturally, for the conscientious Christian (and even *any* non-Christian who nevertheless believes in a *Just* God) the optimism *has* a terribly significant meaning, because of all the attributes of the Lord, His patience is *not* inexhaustible, for if it were, Justice and injustice *would* be coequal, which most definitely IS NOT the purpose of the Holy Spirit, and we now approach **very fast indeed** the Dies Irae!

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August 11, 2010.

05. Re: Announcing the existence of my Website.

Dr. Apostolos C. Raptis
Argonne Nat. Laboratory
Argonne, IL

Dear Dr. Raptis:

Having served at the Chem. Engineering Division for two and a half years way back between May 1969 and Oct.1971 then under Dr.Vogel, now finding that the old Divisions have either disappeared or simply changed names, and suspecting that you may in fact be in charge of at least some activities resembling those of the past above mentioned, or if you are not, that you may be able to direct me to a more proper person (including his e-mail!), I request that you please be kind enough to consider the following:

I have just (as of July 30, 2010) opened the web site

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through which I offer a set of books *entirely free* to all concerned Internet users for their *personal* edification (save for some very minor oversights, that, alas, cannot be set right for another two months), books of sufficient scientific, intellectual and philosophical importance to cause a very serious stir and embarrassment to the scientific establishment in case they are first noticed and begun being discussed first by people outside that establishment. I, therefore, consider it my duty to inform at least all scientific institutions with which I have had an association in the past, both in England and the USA.

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Nor can the statement of Dr. S. Hawking to the effect that we must fear the far off aliens be taken seriously: Given the vast distances involved, *no* civilization can learn seamlessly in time from another, *nor* set itself to follow some cross-Logic relative to another *within this one* universe that permits *only one* Logic, nor consider itself at risk—unless it judges matters by its own blindness, as *no other such worlds are needed to exist!* The *spiritual* problems posed by the universe *are indeed universal, but also fully answerable by just one civilization!* So, to the extent that top scientists propound such ideas only

shows how little their intellectuality, to say nothing of their spirituality, has profited from their scientificity, since they judge the universe by their own personal "lights" that are not!—And just last night, Dr. Hawking struck once more, urging us to prepare ***within the next 100 years*** for the *first and final purposeless* trip to the universe for just some "elect" few, as this planet *shall* become uninhabitable the way we *already* proceed with it! It *again* escapes him that the *incalculable* cost in materials *and* heat discharged on *this* planet for the building of a space station on the Moon and yet another and larger on Mars (if such feats can indeed be built!) *shall* bring that final day of inhabitability here that much sooner! It is unbelievable that a self-confessed atheist is ready to sacrifice the lives of billions for the (according to him) *totally spiritually meaningless and purposeless* life (for indeed how long?) of the "lucky" few locked up in a ship *truly lost* in space! That is *not* love of life, but the seemingly academic *contorted hatred* for it of an unfortunate man locked in his wheelchair, yet carried away by that old "Space Odyssey" while sitting on Isaac Newton's Chair!

It is indeed pitiful that scientists have mutely agreed to become and remain the servants of the stock-exchange marketeers! Who are in the business of "creating" *false* "values" that can only be met and purchased by printing *ever cheaper* paper money, thus also robbing the savings of those who do not spend everything as they earn it! And as for ever more energy to meet our always insatiable demand for it in our chase after false dreams, we seem to forget that we ***must consider just every form and amount of energy*** we spend in the production even of the so-called green energy! ***All*** that energy is finally discharged as heat, and the planet temperature can ***only*** increase, unless we learn to spend ***only some of the energy the Sun sends us***, as the rest of it must be spent as it is already being spent for the preservation of life on the planet! Or else, ***we shall both burn and drown!*** Nor may we rely on war to get us out of the present world-wide recession!: The world is no longer what it was back in 1928-32! Even if we decide to kill half or three quarters of us, just in order that those surviving have an easier time, theirs shall be the duty to bury the dead, and *before* they are done with it, the disease *shall* inevitably and inescapably spread among the "lucky" survivors!

With these findings and not in the least pleasant considerations in mind, and reading my own name in the *proper* ancient Greek manner to mean "Worker of the earth son of the Cross", I composed over the years, the series of books I offer. I trust that you, too, carry the "Ἀπόστολος" with the corresponding to it sense of heavy responsibility! Perhaps more than to all others, it befits more to *proper* Greeks still holding on to the ancient line to see the essential unity of the world, proved by the *constant* operation of the Spirit and of the Intellect that is truly seen to stand ***immovably*** as the Lawgiver of the ***true*** Laws—not just the "laws" we *think* we know in the form of what we call present "science"! Now that I think of it once more, I find that it ***shall be pitiful*** of the scientists to be overtaken by intelligent readers in recognizing the essential unity of the world before *they* are forced to do so!

We at last *must* confess that the Lawgiver-Creator-God, Whom the "scientists" for being subject to the pressures of the "Market" have willfully been refusing to confess, collects in Himself **all the needed power of self-inspiration to act toward a worthy of Himself Ultimate Purpose, and the power of foreseeing the Result He desired, and the power of producing out of nothing material pre-existing** a world *fully capable* of helping reach the a foreseen desired result! It is truly lamentable that "scientists" have cunningly persuaded even so-called "Christian" bishops, archbishops, patriarchs *and* the Pope himself to the view "that the existence of God cannot be proven", which truly *constitutes the unforgivable sin against the Holy Spirit*, as it *willfully* ignores that the *concrete* universal laws under which the universe functions *are nothing other than the tangible signature of the Lawgiver!*

That our morals are indeed what we see them to be is the inevitable consequence. We may *not*, therefore, feel surprised that our world goes from bad to worse, and that the "optimism" publicly expressed is that of those who, being blind to the universal facts, desire the very worst and have the temerity to call it "progress and development"! Naturally, for the conscientious Christian the optimism *has* a terribly significant meaning, because of all the attributes of the Lord, His patience is **not** inexhaustible, for if it were, Justice and injustice *would* be co-equal, which most definitely IS NOT the purpose of the Holy Spirit, and we now approach **very fast indeed** the Dies Irae!

With all these in mind, I assure you, **I do not seek fame!** At 76+, I agonize to bring to the attention of the world the truths the Lord entrusted me with to bring forth! If even a single soul be lost on account of my reticence, it *shall* hang on my neck! This is why I feel that I cannot wait even for the next two months to set all minor details right. I may not be here! Only the Lord knows! And I truly feel that all the *conscientious* scientists and teachers of the world, given the present circumstances, may *not* be any less concerned than I am!

Most sincerely,
GPS—

COMMENT ONE: It is possible, due to a mix up caused by an accident that this letter never reached Dr. Raptis, while his e-mail address proved unrecoverable.

COMMENT TWO: Items 02 through 05 were *deliberately* phrased substantially identical, except for *specific adaptations* better suited to each individual recipient. I regarded it *especially incumbent on me* to inform the current occupants of positions of substantial responsibility in the institutions that I had been in the past that **specific unchallengeable developments** had been made by a former associate of their institutions, developments that unavoidably **must** be considered for our proper understanding of the *entire* Universe. That "modern" science has not considered the universal facts *is telling a lot!* The Reader, depending on his/her conscience, **not** on his/her *supposed* obligation to defend current "knowledge", that is here demonstrated totally false, shall certainly draw his/her proper conclusions.

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October 22, 2010.

06. Re: The newest discovery of the oldest galaxy.

public@nytimes.com

Gentlemen:

Your announcement of the discovery of a galaxy, claimed as the most distant, now seen as it was some 13.1 b.y. ago, when the universe was said to have been only 600 million years old, that keeps astronomers very excited, raises some very important questions:

Just please reverse the point of view and consider a *current* inhabitant of a planet of *that* galaxy seeing *our* galaxy as it was 13.1 b.y. ago: Would he or not come to *the very same conclusions* as our astronomers reached, *if* our current theories be universally correct? Indeed, how not? But if so, *how indeed can this be correct* for an expanding universe, ***understood to be expanding from a universally common center?*** In the initial interim of only 0.6 b.y., how indeed could the universe have expanded so far out and to a ***then*** distance between the two galaxies ***carefully not stated***, and subsequently to present *two* just as valid pictures of itself, and such that *light not heavy matter* needs 13.1 b.y. to reach from one point of view to another claiming equal rights for itself? Because, it *cannot* be avoided that the center of the universe, from which expansion began, may ***not*** have been more than 0,6 b.y. away from either galaxy at the age ***mutually now observed***, and in the subsequent interim of the following 13.1 b.y. the two galaxies got separated from each other with the velocity of light, no less!!! Will the astronomers give us the Hubble rate of expansion, *both as a function of the universal age and as a fraction to the radius of the universe at any point within it*, and persuade us that there is ***no*** logical gap any-

where in *all* their syllogisms???

It seems to have escaped our astronomers that (a) the past age observed of a distant object was the time interval it took *it* to reach from the center of expansion to the point *now* observed, and the sum of that time interval and of the time interval *light* took to reach *us* from the point observed *always* equals the age of the universe; and (b) the age T_1 of the most distant object observable from the center of expansion is the *fixed* ratio of $1/2$ raised to the $3/2$ power, namely the $0.35355\dots$ fraction of the age of observation T_2 of the universe, beyond which a central observer can see *absolutely nothing*, or in other words, he does see the *absolute blackness*; quite simply because for *all* objects lying beyond that fraction there can *never* be sufficient time for light to return therefrom at the age T_2 !!!

These were only a *small* fraction of findings presented to the scientific community back in 1986 in my first book PRINCIPIA PHYSICA UNIVERSI, that the scientific community never admitted existing, that is now offered to the world totally free in www.thefreegpslibrary.edu.gr, along with all the other materials and seven books included in it.

Sincerely,
GPS—

COMMENT: Neither was it published, nor responded to.

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November 15, 2010

07. Re: IS THERE A GOD?

editor@forpersonalhelp.com

Dear Sir:

Reading the NYTimes over the Internet, I came upon your site "Is there a God?", which I found interesting enough to copy (text only), to study it in detail at some more convenient time. While copying it, I could not avoid feeling that the tenor of it was strictly at a catechetical level—all set under the noncommittal, yet *squarely agnostic* title you chose!

As a Christian with all the heavy weight of the entire past true civilization, written record, and *truly deep* meaning of the *original* Greek words of the text of the Septuagint and the New Testament (*not some unavoidably compromising mistranslation*) on my shoulders, I could not help feeling very sad for the level of "understanding" of the "problem?" of God at which even trained theologians (alas you can take some comfort over the fact that you sadly are *not* alone in that state!—and I absolutely mean *no* offense!) struggle *even to convince themselves (if they truly do even at the episcopal and above levels!)*, before attempting to persuade others!: When the Lord asked us to love God *also* with *ALL our διάνοιαν*, surely He did *not* mean the *common* "intellect" of *that place and age* at which we seem to be stuck ever since, but *the total information at our disposal at every age* with which we *must stubbornly knock at His door insistently asking for understanding*, while *never* failing to apply what the engineers call "reverse engineering" on *the fact that He made us in His image and likeness!* For *only thus may we prove to Him* the sincerity of our unquenchable desire of getting to know Him! **Only thus shall He grant us the answer we request!** All the rest is pitifully pedantic!

I write this note in the hope of whetting your appetite for a truly meaningful conversation/consideration, for which I, unavoidably, *need to have your full name, position and training*, and not just the *impersonal* "editor" "@ForPersonalHelp.com." I am sadly tired of attempting to get the attention of editors that are *not* truly interested, and even of professors and Academy presidents, and archbishops who do *not* bother to answer, solely for the fact that

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presidents, and archbishops who do *not* bother to answer, solely for the fact that they are too well ensconced in their *this worldly* chairs and thrones and do not want to get involved *and thus become most unpleasant to the powers of this world* on a matter burningly concerning *every soul on this pitiful planet*, stubbornly refusing to comprehend its finally terminating situation!

Most sincerely,
GPS—

COMMET: There was no reply!

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November 19, 2010.

08. Re: Explaining problem/needing help.

SeetheStats.com <registration@seethestats.com>

Dear Sirs:

Thank you for making this service available.

My **purpose is NOT to make money** using this service, but solely to make my website

www.thefreegpslibrary.edu.gr

available to the maximum possible number of truly interested readers.

1. For this purpose, I have prepared two separate ANNOUNCEMENT pages, but I know not how or where to post, or better yet scatter, them so that they themselves be more immediately known to the untold number of Internet users, so that through those pages more of all interested persons be linked to my main website material. On this matter I would be deeply indebted if you could provide me with your expert advice.

2. Being new to the Internet and ignorant of its semantics and ins and outs, I am truly confused with all this to and fro and I am very easily lost among the details and pages, few of the latter of which allow you to return to the previous page in order to start over!

3. Having just registered with SeeTheStats, I was asked to sign in to Google Analytics, but there I truly got lost. I am **NOT** interested in making the statistics available to my readers, I find no point in that, given the nature of my free offer! What I desire is to see how the number(s) of visitors to my two ANNOUNCEMENT pages and my website develop(s). Am I right to suppose that each of these three shall need its own account? If so, must I first enter the two ANNOUNCEMENT pages to the Internet?

4. It was truly very hard going to create the main website stated above, and I hope that it shall not be necessary to go through that ordeal again in order to post the two ANNOUNCEMENT pages on some prominent billboards or other places suitable for this offer. Which ones must those be? And how do I proceed? Your expert advice shall be truly appreciated. Awaiting anxiously for your very kind reply, I remain yours

Most sincerely, GPS—

COMMENT: Mr. Krzysztof Jurczyk was very kind to answer my letter, a *very* rare exception, and I was glad to supply him the details he wanted!

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November 20, 2010.

09. Re: On Burying the Carbon Dioxide.

public@nytimes.com

Gentlemen:

The current debate regarding the advisability of burying deep underground the CO₂ produced in coal-burning energy-producing plants ignores the hard fact that the 32/44 or 72.73% fraction by weight of CO₂ produced by *any* means is the oxygen we all breathe! When by *design or accident* we destroy the forests and the plankton that breathe in CO₂ and regenerate free O₂ in the process we call photosynthesis, the proposed simultaneous burial of CO₂ is fully equivalent to *constant designed* depleting the atmosphere of its O₂ content, which is *suicidal for us all!!!* Have we all gone so terminally insane in our mad pursuit of heedless "development" that we ignore the hard fact that even the oxygen content of the atmosphere of this miserable, *for our thus proven idiocy*, planet is *not* inexhaustible? OK!, the politicians and the economists may be certified idiots, but what about the professors and Nobel laureates of the hard sciences??? Why do they stay mute??

Sincerely,
GPS—

COMMENT: There was no response, nor, as far as I can tell was this letter published.

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November 26, 2010.

10. Re: Contribution to the Debate of Science vs. Religion.

info@templetonprize.org

Ms. Judith B. Marchand, Director
John Templeton Foundation
300 Conshohocken State Road, Suite 500
West Conshohocken, Pennsylvania 19428

Dear Ms. Marchand:

As I feel that the Templeton Foundation and I have much the same concerns, will you kindly please consider linking your site to my THE FREE GPS LIBRARY found in

www.thefreegpslibray.edu.gr

containing a series of books offered to the world totally free of charge, yet subject only to the constraints stated in their copyright pages

I am NOT looking for ANY gain at all! I only feel very strongly that the books deserve the **most serious** attention of **every** person deeply concerned about the present state of science, the proper understanding of the universe, the appropriate to the present times understanding of the role of religion, and the **proper pressing duties** of all those engaged in presenting to the world a strictly balanced view of all the hard facts before us that we all must at long last courageously face.

For your proper early understanding of what I have in mind, I take the liberty to attach hereto the following Announcement that presents a sufficient first view of the problem as it now stands before us all.

Your earliest possible response will be greatly appreciated.

Sincerely,
GPS—

(N.B. The last but one paragraph of the above letter, in the original also referring to some presentation difficulties eliminated since, has here been simplified.)

COMMENT: There never was any response, despite the request.

ANNOUNCEMENT

11. THERE TRULY *IS* A GOD!!! JUST THINK:

BY: GEORGE P. STAVROPOULOS

We all in our college years, before our thoughts are neatly settled, tend to be skeptics, until on graduation, we meet the real hard world that leaves no much room for skepticism. Just please imagine yourself to be a mining engineer having to satisfy the demands of the management *and* the *need* that the hundreds of the workers who trust you with their lives *will* return home after work! At his position you may *not* insist on being a skeptic, but a very hard core realist! So, don't you find it pitifully sad that even "theologians" attempt to write about God in books even under such *agnostic* titles as "Is there a God?" For, of course, THERE *IS* A GOD!!! And that *has already been proven*: But it still goes **deliberately unconfessed**, even by Christian Church "authorities", **deliberately unwilling to challenge** on its own ground the "scientific" establishment that **is part of the militant atheistic system that despite denials and appearances rules the world!** It was quite some years after all my graduations that *thinking as a practicing engineer doing research* I asked myself the wrenching question of "how would *I* build the world if I could". You realize at once that *every* building implies its *inescapably preexisting* builder! So, my question *implied the logically inescapable* pre-existing Builder of the entire physical world—if the world has really been built! Well, has it? Just kindly think: You read these words and they make at least *some* sense to you. They are not just letters thrown in line per chance. Proving that a *mind* put them down as they appear for a *purpose: both in order to make sense to you and present the acts as the series of words deliberately for that purpose chosen* allow. On your

side, there is that marvelous eyesight system *from the cornea to the parts of your brain dedicated to seeing* that is sensitive to what we call photons that absorbed by the retina send the "information" seen to the brain, where, now in effect *metaphysically*, the physical "information" is translated to *meaning now in your mind* hopefully intact as it was formed in mine! Do you *honestly* believe that this entire letter for letter, word for word, meaning for meaning, process of transfer of *thought is* the product of mere chance in a meaningless world? [For that matter, do you really think that it is a particular part of the brain that is sensitive to a particular word, that if that particular part is at all damaged, the brain will no longer be able even to read the particular word, and the mind will thus remain totally blank as regards the meaning of that particular word, so that the person suffering this particular malady be unable to read, sense, utter, pronounce, respond, or feel at all the meaning of that word in a particular or all its contexts?] If indeed so, why do you maintain your website? What guarantee do you have that it shall *not all* be garbled gibberish? Don't you thus become ***unshakably convinced*** that the mere existence of all this marvelous construction we call Internet is at all there because the Universe *is so unshakably built on absolutely tight physical Law that respects even our tiniest mistyping, mistake, misstatement, even our every aforethought gross falsehood?*

Now you understand how very far indeed we are from comprehending both the source and the essence of both Religion and Science, that ultimately cannot but join, or else they both *simply cannot exist separate from each other!* Is the situation hopeless? ***No!***

And this is why: Newton discovered the existence and action *in re* of the Law of Gravitation. Hubble discovered that the universe expands. They both were the discoverers, ***not*** the Lawgiver(s)! But gravitation and expansion are, for all our present science, *contrary* operations! How can they both be parts of ***the same, governing all that physically exists Law?***

Well, it seems that for three hundred years *nobody* had done what *every* self-respecting engineer *never* fails to do to guarantee the correctness of his equations: And that is to perform a strict and complete dimensional analysis of Newton's Law of gravitation. Physicists and astronomers ***do not even seem to know what that is,*** according to my efforts with quite a number of them. And since Newton ***they have failed to apply it*** to their own equations! Nor have they liked in the least, now that it has been preformed, its inexorable conclusions! For had they done it before *I* did, *they would* have found that the universe, obeying Newton's Law, ***is and can only be such*** that both the total mass M in it and the universal gravitational constant G ***are indeed constant,*** and that the universe operates "recognizing" ***at every instant*** its own ***finite*** age T. Under these ***indisputable and unforgiving*** facts, the universal radius and the velocity of light are given respectively by:

$$R = [(9/2)GMT^2]^{1/3} \quad \text{and} \quad c = dR/dT = [(4/3)GMT^{-1}]^{1/3},$$

proving ***irrevocably*** that under Newton's Law, not only is the universal expansion allowed, but also demanded is the *variability* of the velocity of light! And not only that, for the ***fact is*** that the universe did have a ***definite*** beginning

in time, or else, were it always there, its past age would already have been infinite, and the velocity of light would already have been zero!!

So, not only do these incontrovertible findings of *the hardest possible physical fact* demolish the still current "scientific" understanding based on no longer supportable earlier twentieth century theories, but they also are of such unbreakable mathematical and physical nature that simply *cannot* be the products of pure chance! Hasn't anyone of us, supposedly scientifically thinking persons, ever seen an unprocessed-trash dumping site, and has he/she truly learned absolutely nothing from the sight? Thus definitively barring chance, there *only* remains the option of *a perfect Mind, a Will, and a Power that knew absolutely what HE was doing, and all this for a clearly preconceived objective that would otherwise be unobtainable, were the Law and the physical fact any different than as represented by the above twin equations.*

Supplying the present velocity of light and the *estimated* present age of the universe to the second of the above equations gives us the mass of the universe; and with all these, the first equation gives us its true size! Considering the hard fact that the universe expands, we now realize that the sum of the age of *every* celestial body at the time of sending us its light and of the time light took to come from there to us is none other than the present age of the universe. Thus, for a central observer, there always is a *constant fractional maximum* depth in space to which he can observe a celestial body! The part of the universe lying outside that depth remains always unobserved by him! Other findings are the *variable* (proportional to $T^{1/2}$) Planck constant of action, the mass of each Democritean atom, and the total number of them. At $T = 0$, neither any Democritean atom nor the entire universe had yet performed any action! ALL universal quantities ARE interrelated!

Before these findings, by what light enlightened shall we now continue to be skeptical? Let's apply reverse engineering: Don't the Jewish and Christian religions state that God made us in *His* own image and likeness? Oh, forget the substance and shape of our flesh! That was made to fit *this* world! Just consider our Intellectual, Logical, Spiritual and mental attributes. These are worlds apart from our mere instincts that we share with the animals. It is by those attributes, which *no* scientist, psychologist or psychiatrist shall ever prove to be products of the flesh, that we *truly* are made in *His* own image and likeness, that have absolutely nothing to do with the flesh and the instincts! So, as we also have a *definite* objective in mind before we start operating to get to it, so does He, *who alone could instill in us*, outward seemingly made of flesh, that specific characteristic that previously was entirely His own! Just think that even Einstein, a *non* believer in a *Personal* God, in an unguarded moment of unbiased human thought freely expressed, had stated that "Raffiniert ist der Herrgott, aber boshaft ist er nicht!" To be refined to the absolute maximum possible extent *is* inalienably part of God's Perfection and Holiness! And *that* prevents Him from appearing before us in all His objective glory *that would remove from us in our present state our free will*, that *is* a part of this world's own perfection!!! Let's understand this well enough: If He appeared before us in all His glory to

persuade thus forcibly every non believer and skeptic of His existence before the *preset* appointed time, He *would* render this world that *He* created *imperfect*! This, for His Holiness, He *could not and would not* do!

So has it been that, for our failure during three hundred years of progressively "harder" science to perform an unimpeachable dimensional analysis of the Law that keeps us safe on the surface of this poor planet, have we now reached where we all stand! And we stand here exactly because we have not yet understood that He wants us to partake of His holiness with our entire free will! It has been for His respecting us to this extent, that He could only insinuate His Presence by means of all these and other physical facts, all based on Law, by which the Lord God has signed His own Name *throughout* the universe!

Nor is this all I have managed to reveal. Only half of it!

I started working on all these facts in 1974. In 1985/6 and since, I (have) presented them in complete form to both the "scientific" community and the "Christian religious" authorities. They all *officially* chose to ignore and suppress the findings, avoiding *both* to confront the facts honestly as well as each other, thus managing to secure, *in effect by working in unspoken collusion, their mutual silence and neglect*, in order that they not expose the world, held since in ignorance under their tight control, to the Healing Truth. For surely, *we all realize that our world is sick*! No question about it!

Now, as regards the skeptics: If they are at all truly and painfully honest with themselves, they simply may *not* be partizan! They *must* confront the findings and the arguments as does blind justice, relying strictly on their own *most solid* Reason, *not* on what currently passes for "wisdom" that is exactly what makes them to be skeptics!

It has been for removing the last doubt possible that I expanded my writings to include, besides the first, the other books of the series also, all of which I now offer totally free of charge (except as stated in their copyright pages) to the entire world in

www.thefreegpslibrary.edu.gr .

All of which put together suggest the cure! I do not claim that every word I have written is sacrosanct, though I have employed my most careful judgement and command of the language to placing down every word (except possible typos!). I submit them all to the world for the deepest possible examination! Do we truly care to cure our world? Or do we, *as an entire world*, chasing solely after paper money, democratically choose to send it and ourselves along with it to Hell??? This is indeed the Question *we all must* answer!!! Did I just hear you asking "What is Hell?" That, too, *is* answered!

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December 6, 2010.

12. Re: Defending the NEVER Paradoxical Truth.

opinionator@nytimes.com

Gentlemen:

In addition to the introductory comments I made in my e-mail of December 4, 2010 7:23:11 PM GMT+02:00, please allow me this one: For still greater clarity of the true spirit of my proposed article, I thought it necessary to add some paragraphs (starting with the now numbered paragraph 10) and re-arrange as needed some other ones, already present in my e-mail of yesterday.

May I draw your attention to the new paragraphs 10, 11, 12, 13, (re-arranged 14 and 15), and to 16 (with its specific reference to the role of the NY Times in these present times!)

Please, also note that the size-9 characters in the equations of paragraph 12 truly belong as exponents to the characters of size-16 of the line just below them and just to their left. There seems to be no way that I know as of yet to place these properly on the e-mail! So, for your convenience, i also send you a pdf copy.

So, will you, kindly, consider today's proposition for publication, as it is clearly more comprehensive and comprehensible than that of yesterday?

I shall appreciate your response on whether you will publish this article.

With my regards,
GPS—

N.B. The article, referred to above, reworked for a still better understanding by a wider readership is here presented in the following pages:

Following is the full body of the article:

1. À propos of the title "Paradoxical Truth" that Prof. Graham Priest chose for his article posted on Nov. 28, 2010, 5.50 PM in the Opinionator Column of the New York Times, the following comments seem to me **necessary** to be made at last, especially in today's **perhaps terminally confused** state of the world on earth.

2. And then second, is Truth something isolated and closely parochial, or is it indeed universal, the **absolute** Universal? If parochial, there are many and indeed an *infinite* number of "truths"; and so there indeed is **no** Truth! To have real meaning, Truth must be an **Absolute** universal, the **only one of its kind!** Imagine a world, the entire Earth, having only story houses. That is judged as a universal. And then a skyscraper appears in their midst. That, for its being there, *must* be true. But alone it *cannot* stand. For the simple reason that it implies a world of other *true* factors, an *entire infrastructure*, as *necessary preconditions* for its sudden appearance! Was the infrastructure always there, but nobody had thought of using it, or did it develop as a function of time, to allow, when *that* was complete, the sudden appearance of the skyscraper? By what right may we believe that elsewhere in the universe the same process "must" follow? Recently, nearly everybody got excited because astronomers discovered at a distance of "only" 20 light years away, a planet four times the size of the Earth (presumably, four times the size of the Earth's diameter), that *possibly could also have water and a suitable atmosphere* and thus sustain life! Even if so, would it *really* be an ideal habitat for us? Do we realize that on such a planet, having also composition similar to that of the Earth, *every* object transferred there from here *shall weigh at least* (on account of the *greater compaction, due to increased gravity*, of materials in that planet) four times as much as it does here? How comfortable would *you* feel? The Truth cuts us up in more ways than we parochially thinking realize! When civilizations *cannot ever* communicate *usefully*, the simpler Universal Truth is that *all* the more than just one of them **are** superfluous! That *one* suffices! The *simpler* Universal Truth is that we are truly alone and it is up to us to discover **the One Simplest and also Complete Truth!** (The above lines here in blue correct the *incorrect and confusing* original statement.)

3. Now then, can *ever* the Truth, as above finally understood, be paradoxical??? Paradoxical means exactly that something and its **exact** opposite are intrinsically in a deadly conflict for ultimate supremacy **as the unquestionable** Truth!!! So, is the Truth at war with Itself??? If not, with what at last is It at war??? Indeed, with what other than a **desperate** attempt to hide It—in the name and for the sake of the all-time greatest falsehood??? Let us all at last understand what all that means!!!

4. So, it inevitably seems that, under today's "understanding" of what we

have inflated to contain indeterminately more than what it strictly should, and at the same time compartmentalized so that it be "defended" against wider-scope consequences, yet we erroneously still call "logic", confusion rules both the above article's author's "understanding" of the issue under discussion and most of the readers' responses:

5. For only thus do we allow ourselves the freedom to use **plastic rather than hard** words as items devoid of **objective, inflexible and irreducible meaning**; words that we proceed to put together under some lax rules of grammar to produce sentences that we then proceed to examine for their logical content! The ancient Greeks [and when I refer to Greeks I mean *only the ancient ones!*] of universal consequence used words with total respect, as **names of precise objects** of *solid* physical and/or mental substance, names standing **for** the objects themselves which they then represented, and it was under this understanding that the Greeks evolved such a complex, yet precise to the extent of the needs of their precise understanding of the objects themselves, grammar. This was why Socrates and Plato dug as deeply as it was then possible into the utterances of their conversationalists. Again, especially Socrates was a lover of laconizein, namely of using as few words as possible, yet solely in order to express oneself both accurately *and* succinctly, for which reason he had been accused of being friendly with the Spartans, who indeed were the most economical, in fact much too much so, in their use of words, for which reason they did not engage in any philosophy of their own—except in the one they constantly practiced by daily living it!

6. So, the Epimenidean expression of a *known* Cretan calling **all** Cretans liars, when no more than all others were the Cretans liars, was **neither intended as an insult, nor as a statement of a paradox, nor was it understood as such** by his listeners, but by all as a sharply cutting **pun** intended to make all beware of the danger of committing equivocation and self-evident logical contradiction! It is a pity that neither Prof. Priest nor any of the discussants caught the point the Greeks so succinctly made!

7. Today, the study of Logic has advanced—or has it? In what we today call "Propositional Logic" there exist

(a) the principle of the excluded middle, according to which **every** proposition, in order that it be admissible, **must either be true or false and no mix of these two**, and

(b) the principle of the excluded contradiction, according to which **no** proposition can be **both wholly true and false**.

Ever mindful of the pun, the Greeks stuck to **both** these two principles, without ever mentioning them by some such words! But they did even more than we still today not do: By using the words as standing for real objects, their philosophy was in effect a form of what we may call re-

presentational physics! And, today, we all know (or, do we really?—see below!) how strictly the above two principles apply to physical objects! But by divorcing our words from any physical objectivity, we today are indeed flexing our logic in ways *forbidden* by the Reality out there that the words represent! This is why we do not realize how truly inadequate the above two principles standing by themselves really are: Because they do **not** include a **third** requisite:

(c) the principle requiring that cause and effect may **not** be fortuitous but *causally related* according to the strictest Laws of Logic, which **was always implicit** in the Greek understanding of their words **and** of the cosmos!

8. To the present ruling elites, the most offensive words in a sentence referring to the Cosmos are words implying, or clearly stating, that it has had its **thinking** Designer, Who **is implicit** in the One Universal Truth, for which reason they hate even the latter, that questions fundamentally their own individual all-partial "truths"! Because the present ruling elites **are** mostly nihilists and "tolerant"—**except** as regards **that** Designer! Whom the Greeks called Zeus: the Father of all gods and men!

9. The action of the ruling elites got on in earnest with the appearance of the Theory of Evolution, that got grabbed by them, having the upper hand, as "The Survival of the Fittest". It ought to have been understood as the "Theory of Adaptation of Life to the Existing Conditions". It is *not* cruel (that offers to idiots the excuse to accuse the Designer of cruelty, and thus to dismiss Him!) that *forms* of life appear and after performing their *preset* cycle and attaining their *preset* objective they disappear. Clearly, as the planet itself evolved over the billions of years, it *could not*, for it was *not* designed to, accommodate all the time all the forms of life that ever appeared on it. A temperature high enough to permit an organic molecule to form is **not** conducive to other complex (today called "evolved") forms of life to stay alive! The planet was designed to present a **sequence of life forms**, permissible under the universal laws **as they affected with the passing of time the planet!** The *seeming* paradox of Truth about Life is the **true** miracle itself that we call Life, that in *all its forms shows perfection*, except for the *very rare* monstrosities, *the presence of which intones the perfection* of the vast majority of the perfect forms, *that otherwise would pass by us as inevitable and thus inconsequential!* The museums of fossils in the schools of paleontology do **not** exhibit monstrosities, because **no** such have been found, when, clearly, if chance were the controlling-all factor, monstrosities ought to have been the norm and the perfect forms the very very very rare exception, if any such perfect form were ever found! The perfection of forms proves the *unquestionable fact* of their having been designed and obeying the law underlying their design generation after generation. Without their design, paleontology would simply **not** exist as a science — just as there can be **no** science

studying the crumpled pell-mell "forms" present in a trash dump site, where *alone* blind chance rules! And as to "evolution"? Simply this: as we shall see below, energy is **not** constant! And as the energy content of a living cell gets reduced, particular atomic bonds break down giving way to the next most stable bonds under the changed conditions, until they too give way! Evolution is **not** a chance effect but a **meticulously designed** effect! It is pitiful that this *solid* Logic escapes the class of professors—or rather, they It!

10. From there, it was only one short step first to the theory of relativity, and then another to the theory of uncertainty and indeterminacy. With these three theories, the Designer was written off, and the "Fittest" could henceforth get on with their act—to the present results! All of it the product of professors in the very best universities of the world! Against whom, *solely for their unbelief in a Logical God, the "theologians" and priesthoods of all religions, totally ignorant of true science and of what it truly can do even beyond the teachings of professors*, have long since been stating that the existence of God cannot scientifically be proven, and *thus have not raised any defense, stuck as they are to mumbling old, now largely meaningless prayers seeking His assistance, where their action would be enough, if only they truly believed!*

11. To make the argument explicit, let me first cite quantum mechanics: It holds the principle of uncertainty/indeterminacy as ruling the physical activities of the micro-world at the level of the quanta, out of which the **certain and determinate** macro-world is built. Yet stubbornly, despite the **clearly inadequate** theory, the physics professors **refuse to explain how from the cause of the uncertain/indeterminate quanta the certain and determinate world at large obtains as an unquestioned effect!** It was not for nothing that Einstein [who though a *non* believer in a *Personal* God, in an unguarded moment of unbiased human thought freely expressed, had stated that "raffiniert ist der Herrgott, aber boshaft ist er nicht!" just in order to show that ultimate Refinement **cannot** allow itself to start from indeterminism in order "somehow", totally mysteriously, by **pure** chance, to end up in perfect determinism] abandoned *all* work on quantum mechanics. Nor that Dirac called for the need of an entirely new quantum theory, given the great number of weaknesses of the present one!

12. The quantum theory started with Bohr's "interpretation" of the spectrum of the hydrogen atom: He conceived that atom consisting of a proton and an electron as a replica of the astronomical model of a star (here the proton) having a single planet (here the electron). Both the proton and the electron are believed to have diameters of 10 raised to the -13th power of a centimeter (a size still beyond even our present capabilities of exact measurement!), when the hydrogen atom has a diameter of 10 raised to the

-8th power of a centimeter. This is analogous to the Earth circling about the Sun to a distance 100,000 times the Earth's diameter, namely to a distance of about 4.3 times its actual distance from the Sun! So thin a dipole by no stretch of a willful imagination can be likened to a *real* physical sphere, as in fact the hydrogen atom is measured from at least crystallographic studies. This problem was "solved" by the *forced* introduction of the notion that the electron **supposedly jumps indeterminately** here and there, yet in such a **physically unknown and unknowable** way that it produces the final physical hard fact we observe. Bohr *assumed arbitrarily* that the action of the electron during a single circumnavigation about the proton has the size of Planck's unit of action h , which as such has been preserved in the so-called "new quantum theory" that also involves a very great deal of mathematics from wave theory. The suggestion of Lorentz that the electron be conceived as a hollow sphere has been ignored. Also ignored has been the *hard physical fact* that the *rate of change of the moment of inertia* of a hollow sphere vibrating spherically symmetrically about a middle radius has the physical dimensions of action. Which demonstrates (a) that the electron *truly* is a vibrating physical-geometrical structure *of the size of the atom* that does **not** need all that mental concoction that to date passes for quantum theory, and (b) that nature *truly* recognizes action, yet not in the way that quantum mechanicians make use of it. Before them, Planck *forced himself* to admit the unit of action h that bears his name on account of his belief that classical mechanics does not admit of the idea of the unit action as a physical fact! The truth is that following the suggestion of Lorentz a new body of knowledge has been produced **resolving all the ambiguities** present in the still acceptable quantum mechanics, **which however the physics establishment has seen fit to suppress since 1986 when it was presented to them**, that would certainly satisfy both the classical mechanicians *and* Dirac. See: www.thefreegpslibrary.edu.gr .

13. The Greeks would have none of the current quantum mechanics, *not* as a matter of inadequate knowledge or obstinacy but as a matter of *more than diamond-hard Logic that forbids a direct effect clearly opposite to the very Nature, Logical desire and Logical Purpose of the Cause that produced it!* To the Greek mind the presence of indeterminacy and uncertainty as a foundation of the **determinate** world is a **direct blasphemy** aimed at Zeus, unthinkable in the Logical terms (as far as they then could go) of Plato's *Timaeus*! Arrogantly, we today swallow up *just that* Logic and seem satisfied with theories that in effect insult both *that* Logic *and* the Physical World we supposedly study, of which we too are *working and thinking* parts, not realizing that we function *both* as **determined** objects of the physical world *and* operate as **free and willing actors** of a **mental** world! (Just imagine: How indeed does even the brain of quantum mechanicians work consistently day after day to produce their theory based on uncertainty and indeterminacy is a question that they first of

all ought to have satisfactorily answered before presenting their theory to the world!) The Greeks realizing fully this double predicament of our state, resolved to believe that as their (and still even our present) inadequate ideas did (and do) not suffice to explain the world, because the world functions with unquestioned certainty, there cannot but exist a realm in which the **Perfect Ideas** reside and from there they tightly control the **certain** world, of which Ideas our own ideas are but fuzzy and clearly inadequate copies.

14. Nor is the above the only prime example of **determined refusal** to consider the objective hard facts: Consider: In his original paper on general relativity, Einstein declared that "it is not my purpose in this discussion to represent the general theory of relativity as a system that is as simple and logical as possible and with the minimum number of [**un-evaluated**] axioms; but my main object is to develop this theory in a such a way that the reader will feel that the path we have entered upon is **psychologically** the natural one and that the underlying [**un-evaluated**] assumptions will **seem** to have the highest possible degree of security". In this, only the material in the brackets and all other emphases have been added in an effort to make absolutely clear to today's deeply concerned reader the exact spirit in which Einstein undertook to **rewrite as it were the structure of the entire physical universe** so that it comply with **our psychological** inclinations! — As if **our psychological** inclinations can determine the structure of the universe! —As if that is not the most licentious presumption set down on paper by **any** mortal ever!

15. As, clearly, general relativity could not be produced without the first step that set down the special theory, it suffices to understand that even the latter is **not free** from error and uncertainty: Because even Einstein missed the fact that der Herrgott **cannot** allow directly conflicting Logical opposites to collide head on in the world **He** created, as it in fact does happen in full agreement with Einstein's own special theory. Consider: even the name "relativity" is prima facie gratuitous. It ought to have been "referentiality", as in matters of science and physics we **must** be both accurate and precise: simply because the whole discussion refers to the **appearance** of the world as it is seen from and it refers strictly to another **totally independent** system of coordinates **totally unrelated** to, i.e. **independent** of, the original one! Now then, consider the problem of the twins, one of which travels away and later he returns. The theory claims that he returns **objectively younger** than his based-at-home brother. So here comes the inescapable snag: What if the traveling twin unbeknownst to his brother so adjusts his velocity vector, at the moment of his departure, as to be the exact vectorial opposite to the vector of his at-home-staying brother relative to the center of the galaxy? His "return" will take quite some time, but now *who truly* returns? Isn't the "traveler" **truly**

motionless relative to the center of the galaxy, and isn't his home-based brother who truly traveled? (Here for simplicity, we do not consider the *additional* effect of universal expansion which was unknown both in 1905 and in 1916.) On what solid objective grounds may the at-home-stayed brother consider his twin younger? And on what similar grounds may the "traveler" consider *his* twin younger? Did they not part at a ***certain*** age of the universe and did they not reunite at a ***certain later*** age of the universe? Isn't the latter minus the former age ***identical*** for them both? Here we are ***not*** talking of biological or mechanical effects due to traveling, but strictly of ***true absolute*** time differences! Consider that this is *not* the only way that the special relativity theory falls down flat on its face! It is in its nature to produce many similar conundrums!

16. The classical Greeks, stuck as it is now again seen for ***excellent Reason*** in their inflexible absolute Logic, immovable Queen in the World of Ideas, could not but dismiss the theory on the sufficient grounds that it produces clearly unresolvable puzzles entirely of its own making in the face of the incontrovertible Truth of the common for both brothers ***true absolute*** time difference involving the entire universe, exactly while the unperturbed and otherwise serene in its built-in processes universe allows none such!

17. And now, consider also the ***indisputable fact*** that we now know that the universe ***both gravitates and at the same time expands!*** If it gravitates, i.e., falls in upon itself, how does it also expand; and if it expands, how does it also gravitate??? The specialists have ***very carefully avoided explaining*** to the rest of us, according to them lesser minds, how ***both*** these obtain in the same universe at the same time during its ***entire*** existence!!! We wonder: is this really paradoxical, or is it only due to the indisputable fact that the self-proclaimed specialists have for more than three hundred years already ***not done*** their homework?

18. For, had they done so, starting with a ***careful, full and detailed*** investigation missing nothing, based on the ***only proper*** dimensional analysis of Newton's Law of universal gravitation, they would not now find themselves accused of ***vicious*** obscurantism, in full view of findings ***they clearly have not since 1986 been able to overturn!*** I suggest that at least some of them finally do so themselves, just in order to verify for themselves that the findings formally presented to them then in 1986 ***still stand and cannot*** be overturned!

19. The more than diamond-hard solid fact is that this universe operates under constant G and M (respectively the universal gravitational constant and the total mass in/of the universe) and the *variable* T (being its age). Under these conditions there follows that

$$R = (9GMT^2/2)^{1/3} \quad \text{and} \quad c = dR/dT = (4GMT^{-1}/3)^{1/3},$$

where R is the radius of the universe and c the velocity of light at the universal front, proving **irrevocably** that under Newton's Law, not only is the universal expansion allowed, but also demanded is the *variability* of the velocity of light! And not only that, for the **fact is** that the universe did have a **definite** beginning in time, or else, were it always there, its past age would already have been infinite, and the velocity of light would already have been zero!!! Please, do not misunderstand: Under these conditions, at $T = 0$, the universe was all confined in a single geometrical point; and therefore everything in it expands in proportion to its distance from the **center** of the universe. The velocity of light is kept constant throughout as a result of the local density of matter being a function of the ratio r/R , r being the distance of the particular locality from the universal center. Were matters different, and were the universe always there, **everything in it heavier than the Democritean atoms, of which all heavier bodies consist, would already have dissolved both into Democritean atoms and the latter too would have dispersed to infinity, thus including us too**, and we would **not** be here as we are now composed, both discussing these matters and committing all our known and unknown, decent and indecent activities!!!

20. These suffice to show that the universe stands as it is now observed solely because it obeys strict, in-flexible, non-negotiable Laws set down from the beginning, from which it **cannot** deviate! Whether we like it or not, the presence of Laws implies the **preexisting presence** of their Lawgiver, Who established those Laws for the explicit purpose of obtaining a **specific** result! Don't we all do the same, mostly with *ephemeral if not also ludicrous* "laws"? Still, the original question remains: **"how is the seeming 'paradox' of the coexisting gravitation and expansion resolved"**? We only have to remember that initial, almost forgotten, command: "Let there be Light"! What had just been contained at the point-center, obedient to the command, let out the first light ever, that henceforth constitutes the front of the expanding universe; and we now, after 12-13 billion years, in our position at a distance r from the center of the universe, observe the fireworks as best we can! **That command established the priority:** that there be **expansion subject to gravitation**, for were the former not to the latter subject, the universe would have dispersed to infinity in zero time flat, under its infinite initial velocity as per the second of the above equations! Don't be confused: *All* matter consisting of Democritean atoms truly consist of light! And only for the fact of gravity (that also keeps positive the energy of the universe, and thus permits even to us to be and breath) it has not already dispersed to infinity! Let's respect the English language too: the two meanings of the word "light" are not there purely by chance: With the English language

now being the world-wide medium of communication, these matters **are finally here and they indeed begin to sink in!** For that matter, now that we are at it, consider also the word "Godspeed" and the Greek words Θεός (God) and θέω (I run)! Pure coincidence? One **must** wonder!!!

21. Those who do not know what the **full and detailed, missing nothing**, dimensional analysis of an objective physical law is, and all those who are willing to study the full details of it all and of a great deal more may refer to the **free books** offered in

www.thefreegpslibrary.edu.gr .

22. What is here presented suffices to show that even first-rate scientists, let alone questionable-rate "philosophers", have taken **impermissible** license in designing their theories about a universe **they did not design, they did not create, they found it ready and reliably operating** when they were born, and **they do not respect it enough** to delve deep into a detailed investigation of its **true universal laws!** So far, **only pedantically, as befits sophomores**, have they propounded! As for the rest of us all, the entire "civilized" society on this globe, in our mad pursuit of objectives all too well known to repeat here, seem to have engaged in consciously-unconsciously destroying the very foundations on which we stand on this planet! Before we finish our dirty work, I suggest **we all become aware of the world in which we commit our unspeakable daily crimes, basic of which is hiding the NEVER paradoxical Truth.**

23. The New York Times, first and foremost among a handful of great newspapers, is now engaged in offering to the world *at least* semi-secret papers from sources pursuing altogether dubious, mostly insincere to be widely known, illegal, immoral objectives—all operating under cover of "allegiance" to this or that "higher order"! Now, it is clearly seen that all these truly pale in comparison to what our youth, tomorrow's leaders of the world, are being taught *at very high cost*, under the tutelage of renown professors, preeminently in the very best universities! The opportunity was indeed never better than it truly is now to begin a very serious discussion all over the world regarding the quality of our beliefs and the tutelage of our beloved children, entrusted to "academics" of altogether dubious morality and objectives!

24. Compare all that to what the Greeks meant by stating that "Ἄει ὁ Θεὸς ὁ Μέγας γεωμετρῆι" (always does the God the Great geometrize) and Plato demanded that "Μηδεὶς ἀγεωμέτρητος εἰσίτω" (let no one ignorant of geometry enter). Meaning that, as God **never** created anything (of which even the physical universe is but a part) without considering its **full** repercussions, so, too, must all those who want to deal seriously in teaching (not only children and students, but also adults, and *first of all them-*

selves) science and philosophy better first have as perfect understanding of the World as **Logic diligently pursued, not as their modern everyday** "logic", allows! Alas, how absent from our modern minds these considerations truly are is clearly evidenced by the majority of the contributions to the discussion on the article bearing the unabashed title "Paradoxical Truth"! Indeed, we might safely say, and sadly not for this occasion solely, "like tutor, like student"! Proof that it has been to our great detriment that we did not also learn at least something truly binding from the guiding Spirit of the Greeks when we learned just how, grossly, to translate their language, nor also how to understand in their **full intellectual and spiritual depths** their writings! We moderns thought that by abandoning, for the unspeakable sins of the Medievals, the belief in God, and by so doing, adopting the belief that Logic is our servant to play with it as we will, we became masters of the universe! Here exposed are **only some** of our gross blunders. Let us at long last understand that not even our ideas are strictly ours to distort to our heart's content, and that we do pay a very high price playing where no games are in the least allowed. Humans beware! We are **not** just only moist soil! The soil has **no** idea of the Ideas, and that is where we have made a total mess with our lives! For more, those capable of being strict with themselves, desirous of deeper true learning, and **willing to abandon theories now for twenty five years disproven, which the academic "authorities" keep hidden**, may also refer to the site given above.

COMMENT: This article was also sent to Mr. A. Sulzberger of the New York Times, attached to the letter sent to him on Dec. 13, 2010, also contained herein, in which among other matters there referred to, a complaint was registered for the fact that a still earlier and simpler version of this article, sent for publication in the Opinionator column of the New York Times, was temporarily posted as item "[120. GPS@Athens](#), Greece, December 2nd, 2010. 5:48 pm", but was later removed! A yet other e-mail dated December 8, 2010, 5:34:36 PM, GMT+02:00 sent to letters@nytimes.com was also ignored. So, it seems clear: not even that "greatest newspaper of the world" shall allow the Truth to surface!!!

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December 8, 2010.

13. Re: WikiLeaks and the NEVER Paradoxical Truth.

NYTimes.com

Mr. Phil Eugene:
Customer Service <help@nytimes.com>

Mr. Eugene: Good Day!

2. On December 6, 2010 6:47:43 PM GMT+02:00, I sent an e-mail to opinionator@nytimes.com, including an article both in text and pdf form titled **Defending the NEVER Paradoxical Truth**, as a sort of an answer to an article on *Paradoxical Truth* that has been discussed in that forum during the last 10 days or so, requesting that my article also be considered for publication in that forum.

I still have not received *any* reply, so that I cannot say whether it is still under consideration or it has been rejected.

As during these days we all are flooded with news about the WikiLeaks affair, whereas my article refers to the Truth about both the theory of relativity and that of quantum mechanics as they developed during the last 100 years and are still being taught in all universities, and the relationship of those two theories and the **Nonparadoxical Truth** relating to them, a matter that *is* of far more lasting importance as it applies to the structure and operation-under-Law of the entire physical universe, it seems to me fitting that my submission of the article be given the proper consideration it deserves, and at least some reply be sent to me.

The matter that I raise for discussion in your columns reveals a *deliberate effort by the academic community to suppress* a strict reconsideration of the

matter of Truth of the above-mentioned two theories, that I have tried to submit to them ever since 1986—only to obtain their *deliberate total silence* in reply!

3. I consider the juxtaposition of the two affairs in the present world-wide circumstances much too important not to be presented to the world side-by-side, given our "right to know", despite and contrary to the orders of "authorities" not even elected by the people, but having imposed themselves upon us on the *now shown to be dubious grounds* of their supposedly unquestionable "expertise"!

4. As in my submitted article I provide a link to my website

www.thefreegpslibrary.edu.gr ,

through which I offer to the world TOTALLY FREE a small library of 8+ books totaling 3129 pages, I submit that a *possible* suppression of this article assumes altogether different dimensions, that **would be extremely embarrassing** for the NYTimes to permit themselves to be involved in the continued suppression of this new and binding knowledge.

5. I therefore, will consider it to be a special favor if you would forward this e-mail directly to the proper person up the scale of command to the editorial top of your organization, so that they too be informed of this development. That the matter is not political **but scientific and existential** for us all **cannot and may not** be put aside under **any** excuse!

With my regards and the Season's wishes,
GPS—

(N.B.: Item N^o 1 referring to communication problems, has here been removed.)

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December 9, 2010.

14. Re: Requesting Mr. Phil Eugene's PERSONAL Attention.

emediacs@nytimes.com

Mr. Eugene: Good Day!

It seems that either my message of yesterday [the Letter dated December 8, 2010] was not forwarded to you, and thus the password I gave you has not been entered, or that something else is fouling up the system. Could you please look into it and drop me a line as to that the problem has finally been fixed?

The parts of my yesterday's message marked 2, 3, 4, and 5 (and the conclusion of the letter) referred to a matter having to do with an article that, I sent to the Opinionator column Editor, from whom I have received no reply. As a result, I thought it opportune to request of *you* that you kindly refer the matter to the Editor-in-Chief at the very top of the NYTimes organization for his kind consideration. I did *not* intend that any of the above be considered for publication in the columns reserved for *ordinary* letters to the Editor, as it obviously was misunderstood by whomever it was at Customer Service that replied by sending me the December 8, 2010 10:58:24 PM GMT+02:00 message. What I intended was that the Editor-in-Chief at the very top of the NYTimes **discuss** the matter of my article titled **Defending the NEVER Paradoxical Truth** (that *truly is* of far greater importance than **all** the discussion about the WikiLeaks affair that now draws the attention of the world) submitted to the opinionator@nytimes.com with the editor of that Column!

If you take some personal interest in this other matter, please read my email marked December 8, 2010 5:34:36 PM GMT+02:00 **On WikiLeaks and the NEVER Paradoxical Truth**, that I also did *not* intend to be taken as a letter for the columns reserved for *ordinary* letters to the Editor, **but for the eyes**

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of the Editor-in-Chief at the very top of the NYTimes before he discusses the matter with the Editor of the Opinionator Column!

Now then, replying to your renewed very kind offer to help, let me repeat that my password be

I do very much hope that all this will finally settle both of these matters! Trying to save words and space does not always serve clarity! I do fully understand the pressure under which you all at the NYTimes work for the purpose of presenting to the world "all the news that is fit to print". I hardly can think of a matter more fit, urgent and important than the **NEVER Paradoxical Truth**, that is so frequently violated for **base** objectives!

Again, With my best regards and the Season's wishes,

GPS—

(N.B. In this Letter, the matters referring to the then still unresolved problems of two-way communication have been removed and the text has been modified but slightly, in order to avoid repetition of matters already referred to in the previous letter.)

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December 13, 2010.

15. Re: Letter to Mr. Arthur Sulzberger Jr.

Mr. Arthur Sulzberger Jr.,
Chairman & Publisher
THE NEW YORK TIMES
Dear Mr. Sulzberger:

Please believe me that were the matter less serious than it truly is, to which there is a pressing need that I draw your attention, I would *not* have dreamed of attempting this step!

But allow me first to introduce myself:

I am 76 1/2;

studied Mining and Metallurgy at the National Technological University of Athens, (1953-8), B.Sc.;

trained as an artillery officer and served in the Army (1958-60);

served as a Mining Engineer (1960-1);

studied Metallurgy at the University of Sheffield (1961-3) with a Scholarship of the Niarchos Foundation, M.Sc.;

studied Chemical Metallurgy at the Imperial College

of Science and Technology of the University of London (1963-7) with a

Scholarship of the United Kingdom Atomic Energy Authority

(D.I.C., and Ph.D.);

held a Postdoctoral Appointment at the University of Toronto (1968-9);

held a Postdoctoral Appointment at the Argonne National Laboratory (1969-71);

have served as a Senior Scientist in the Research Laboratory of ASARCO (1971-84);

am a naturalized US Citizen since 1976;

and have written eight books offered FREE in www.thefreegpslibrary.edu.gr .

The now visible, *visible to all on Earth, deep* economic-political-diplomatic predicament in which *we all* find ourselves intones my need to draw your attention to the ultimate meaning of our lives upon this planet: If we truly believe that there is a reason for which we are here, *we all* have a duty to help determine it and see that we diligently serve it. If we truly believe there is no reason, we better literally blow ourselves up, with the sufficient means we already have and get done with it, as there then can be no point postponing the inevitable by *pretending* that things will get better. They will *not!*:

The planet is of the size it is and it has the resources it has. As we all strive for ever more under the codeword "development", all that sooner shall the planet's resources be exhausted, and perhaps first of all the very oxygen we all breathe, as we both burn the forests that regenerate it after capturing the CO₂, *and* plan to bury the latter, that by a fraction of $32/44 = 72,73\%$ by weight, as any high-school child knows, consists of the very oxygen we all breathe! We simply *cannot* play with this *limiting objective condition* ruling life on this planet! It is lunacy to ignore it!

With the burning WikiLeaks affair in your hands you know far better than anyone else how truly vicious this already madly raging World War III truly is, even as it goes officially undeclared, even as officials and citizens of all well-fed nation-states lull themselves by pretending ignorance (it truly is *negligence*) of it, while billions of hungry stomachs howl and ache so much that the conscience simply cannot escape that flesh-eating war within!

We have not reached where we now are at without the careful, or else idiotic, planning by nihilists, who over the long years have been allowed to undermine the moral foundations on which all societies stand and without them they simply collapse. Alas, they do *not* constitute an underground movement, or else the police *would* have sniffed them out!

The safest position for a nihilist to commit his vicious act from is before and very close to a huge source of bright light: While there, his tiny size, unobservable by the naked eye as are the sunspots, is not noticed, but his voice is heard and with it he passes as the Lucifer, the bringer of Enlightenment.

Most certainly, not all news is fit to print, but the fittest to print is exactly what *shall* expose the undermining of the *moral* foundations of societies. In this respect, even the USA has, alas, not been very diligent. To be master of the world means *not* to have been given license to exploit it to exhaustion and death, leaving behind ruin, ashes and death, but to have been given and willingly undertaken the duty to *care for it and guide it ever higher toward Heaven, mainly by example of a rationally examined simple, never ostentatious life for every individual and the entire nation*: This has *not* been uppermost in our national conscience, except only to that of very few! The so-called "good life", the proud showing of extravagant living, the Hollywood, the arm-twisting of the less powerful to yield to our insatiable demands are *not* the best examples in a world easily dazzled and bent to following where thus the USA points! For, as I think we just agreed, the planet's resources *are* limited!

The Lucifers to be exposed are not so much the politicians, or the diplomats or the runaway journalists lost in the middle of what they may and may not ex-

pose based on a judgment on what is fitting, or the Hollywood moguls and actors for what they produce and exhibit, nor those who today pass trash for high art, **but those who have undertaken to educate and spiritually guide students and society, but are derelict in their duty to do so!** They are the professors of logic, philosophy, science, and the priests of *all* religions and faiths; who *all* came out of the same medieval darkness, cold monasteries and such, after splitting in parties, and got set to war against each other, all based on "principle", **even as they all had lost their orientation!**

And it is for the regular disciplined journalists, especially the very best of the very best of them, who **must** decide to what extent *they truly are also teachers of the world* through what they print, and do not consider themselves just only indifferent reporters of our daily pedestrian and mostly shameful, eye-catching activities:

The world is *not* what any one of us *irrationally* believes or theorizes it is, but what **it objectively is!** If we throw Reason out, we shall never understand the world. The world *is* coherent, and it is because of this that *we all* plan our steps, our tomorrow's work, and find it possible to continue exactly from where we left off. The coherence of the world points to its firmly set structure, and that to its design, and that to its Designer, and that to the Law *He* instituted for the world to operate under, in order that **it reach the aforethought objective He thus set out to obtain in DUE TIME!** This *indisputable rationally coherent* sequence, no "logic" may ignore! So, there is one final consideration: Given the limits of the planet, against which we now press, is it likely that we now get *visibly* ever closer to **that DUE TIME?** Isn't this inescapable?

To the present ruling elites, the most offensive word in the sentence just above is the word "Designer". Because the present ruling elites are mostly nihilists and "tolerant"—except as regards the Designer! Their action got on in earnest with the appearance of the Theory of Evolution, that got grabbed by those who had the upper hand as "The Survival of the Fittest". It ought to have been understood as the Theory of Adaptation of Life to the Existing Conditions. It is *not* cruel (that offers to idiots the excuse to accuse the Designer of cruelty, and thus dismiss Him!) that *forms* of life appear and after performing their *preset* cycle and attaining their *preset* objective they disappear. Clearly, as the planet itself evolved over the billions of years, it *could not*, for it was *not* designed to, accommodate all the time all the forms of life that ever appeared on it. The true miracle is Life itself, that in *all its forms shows perfection*, except for the *very rare* monstrosities, the presence of which *intones its perfection*, that otherwise *would* pass as inevitable and thus inconsequential! The perfection of forms proves the *unquestionable fact* of their having been designed and obeying the law underlying their design generation after generation. Without their design, paleontology would simply not exist as a science—just as there can be no science studying the crumpled pell-mell "forms" present in a trash dump site, where *alone* blind chance rules! It is pitiful that this *solid* Logic escapes the professors!

From there on, it was only one short step to the theory of relativity, and another to the theory of uncertainty and indeterminacy. With these three theories,

the Designer was written off, and the "Fittest" could henceforth get on with their act—to the present results! All of it the product of professors in the very best universities of the world! Against whom, *solely for their unbelief in God, the priesthood of all religions have not raised any defense, stuck as they are to mumbling old, now largely meaningless prayers seeking His assistance, where their action would be enough!*

I think I can safely write the period just above: In the Spring of 1974, sitting down to rest a bit in my lab in late afternoon, I thought of conducting a dimensional analysis of Newton's law of gravitation, and what I found shocked me, as I realized either that I was the first ever to do so, or that had there been another one also, he too must have met silently the fate that I was bound to face after I had finished writing my first book. The physics professors, for their inability to fault my findings, silently conspiring, decided *never* to answer my calls, letters, submissions, offers to place that book on university libraries, not even on the shelves of the Library of the New York City—except/or as cited in my 7th and 8th books! They simply would not admit that somebody working all by himself would prove them wrong on all three counts, and especially as regards their *supposedly* "true" jewels, the relativity and quantum theories! The *careful* analysis of the matter *proved* the velocity of light to be variable, and the classical geometry to extent even in the structure of the electrons within the atoms, which *by fiat* has been forbidden by their elite to all physicists to consider!

All these do prove the one thing the nihilists hate the most: that the universe is truly governed by indisputable non self-inconsistent Law that *cannot* be the product of blind chance, but of *the Designer!* Having gotten this response from the "scientists", I applied to the theologians, who **totally ignorant of true science and of what it truly can do even beyond the teachings of professors**, have long been stating that the existence of God cannot scientifically be proven! To no avail! Their silence has been even more deafening than that of the professors. No matter how high I got, and I even referred to the very top in Rome! It has been an extremely disappointing experience!!!

Now then, it is quite obvious that the revelations of what Mr. Assange has promised to the world *cannot* be so shattering of the "establishment" as has been the *unbecoming* suppression ever since 1986 of scientific findings revealing **indisputably** [as I have constantly been asking that I be proven wrong, to which request the answer I have received is that of deafening silence!] the structure of matter and of the universe under Law, and because of it, in reverse sequence, the presence of the Personal Conscience that put it all in being! Galileo was nearly burned! Bruno did not escape! Copernicus' work was revealed *after* his death! Question: Did we ever leave behind the Dark Ages, or do we still continue to be very much a whole part of them???

With all these now in front of you, please, allow me to explain to you my present efforts involving the NYTimes. There has most recently been an article by Prof. Graham Priest in the Opinionator Column bearing the title "Paradoxical Truth" that has attracted quite some interest among the readership, as one can

judge from the responses. Unfortunately, it was confined to a supposedly "philosophical" discussion on the possible meanings of particular, *not necessarily* confused or confusing sentence structures when first uttered in a particular past milieu. I thought it opportune to try to widen that discussion to explain the original context and include nothing less than the very structure of the universe and what we have made of it over the centuries even in our scientific deliberations, in which the Truth is truly, though flatly erroneously, believed to be paradoxical.

On December 2nd, 2010 5.48 pm, I submitted a first version of my contribution that immediately appeared as submission right after the comment bearing the number #119 had been posted. After a couple of days my submission was removed perhaps for technical reasons as some items got distorted upon transfer, due to the limitations of the machines to read some Greek that also misread links, or perhaps because it was judged as beyond the narrow limits of the discussion on the technical details of sentence structure. Perhaps just as well, since my material would be better handled as an independent article under the title "**Defending the NEVER Paradoxical Truth**", that could start a totally different and far more interesting and educating kind of debate.

Given the particular circumstances of this material, I thought it particularly significant to bring this whole matter to your attention, so that YOU judge the propriety of its publication in the NYTimes, given the thoughts I submit above. While, indisputably now, the fate of the world is truly at stake, the misbehavior of the "scientific" and "theological" establishments during the last 25 years may no longer remain secret, and it must be revealed by no lesser newspaper!

As to what you shall do with the thoughts expressed in the paragraphs above, I shall leave it to you. Some of the above material, slightly altered, I judged proper to include in the article I hereby submit for publication.

Some words are indeed strong, but then the situation we are in and the hard facts we face, I feel, fully justify them; for, otherwise, people will simply refuse to accept that the hard facts before us are truly threatening us!

Sincerely,
GPS—

COMMENT: The problems mentioned in the last two paragraphs of the original letter set to Mr. Sulzberger having only to do with transmission problems of that letter, have here been eliminated. The article "Defending the NEVER Paradoxical Truth" is presented above on p.44.

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December 17, 2010.

16. Re: Did the Universe Have a Beginning?

MetaResearch.org

Dear Sirs/Ladies:

This is the fastest I can respond to the article I just found posted in your website under the title "Did the Universe Have a Beginning?" by Thomas C. Van Flandern, who, I gather, is no longer with us, I am very sorry to learn: As the Greeks say here: May the soil that covered him be light upon him.

I read some of the above article, not all of it, as time is indeed pressing and I must not delay sending you this letter, as I find I may not quibble on details which shall automatically find their resolution when most matters regarding the universe are considered from their, *and its*, foundation on up.

Some two-to-three weeks ago, an article appeared in the Opinionator column of the NYTimes by Prof. Graham Priest under the title "Paradoxical Truth", to which I felt impelled to respond with an article of my own bearing the title "**Defending the NEVER Paradoxical Truth**". As there were some transmission problems due to differences in the fonts and the inability of the e-mail simple text system to handle some simple equations, *and* possibly also editorial problems, the article was not posted.

Because I find that it addresses and **answers** many of the same problems that you too attempt to resolve, I take the liberty to send you that article in pdf form so that it do not face similar transmission problems.

I send you also the complete introductory letter, also in pdf form, that I

addressed to Mr. Arthur Sulzberger Jr. Perhaps it will be of advantage if you read that letter first before you proceed reading the article itself.

We cannot avoid it: The social, general "intellectual" and political climate of the world in which we live interacts with the still current scientific considerations, and the latter with the former, so such an extent that they all mutely attempt to comply with each other, to the detriment of our understanding of the entire Reality we face both as scientists and as ordinary human beings and struggle to comprehend: And this because of the *unspoken, unexamined and unevaluated assumptions* we make *both* in science and in *all* the other activities in which we are daily engaged.

It is for this reason that scientists have not dared to confess all the truth they face either as they discover it or as it is presented to them. Otherwise, I cannot honestly comprehend their reticence!

Since as you state in your Feedback Form that you want to hear from your readers, may I also state that I too want to hear from you!

Most sincerely,
GPS—

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December 20, 2010.

17. Re: A Widely Accessible Free Listing.

TheFreeSite.com/marc.mcdonald@gmail.com

Dear Sir:

I fear I do **not** understand how all this Internet world operates and can be used to the best advantage of contributors and readers! I so far have concentrated on research, its findings and how best to present them. I know next to nothing on the mechanics of the Internet system!

I have a set of books (in all 3130 pages) that I offer **entirely free** to internet users, as you too can find and examine, in my website

["www.thefreegpslibrary.edu.gr"](http://www.thefreegpslibrary.edu.gr).

I fear that my material does not get much attention, the reason being that I do not know how to get it listed in the appropriate listings of *similar* subjects as those that appear in the Google under collections *looking like* those you obtain when you type e.g., "Free Listing of Website Servers", (under which I discovered your website, TheFreeSite.com, up there at the top) yet listings of items each of which refers only to a *particular free book or a collection of related free books*.

(Speaking of attention—the attention that I shall get is an *unavoidable necessary burden* that I *must* honor even as I am already 76+¹/₂, and only desire that *all* educated people in the world get to know of my findings and their *instepable* their *inescapable* consequences, that the academic, intellectual and even theological community **have suppressed** ever since 1986, when I originally offered to them my first book, in order either to *reject* its contents ***if they can prove them to be wrong, or accept them and declare them publicly as solid and and binding***).

I understand that you desire your site to be cross-linked to/in a/my website. About this there are some problems:

(a) I do **NOT** want my website to be obtainable through any other website, but

directly after attention is drawn to it in an appropriate and easily and widely reached listing of similar FREE Book offerings.

(b) I do **NOT** want my website to be linked to/with **ANY** commercial or other advertisements of **ANY** kind, that either can suffer from their association with my material, or be subjected to any kind of pressure that may result in damage to/or suppression of my material.

(c) I do **not** want my material presented with any kind of eye-grabbing first page! Just a few very dry words, such as say:

"WORLD, PLEASE DO CONSIDER!!!"

(d) I have submitted an independent of, but closely related to my aforementioned material, article to Mr. Sulzberger, Jr. of the NYTimes, under the title "Defending the NEVER Paradoxical Truth", (size 37kb in Rich T...format, 160kb in portable pdf format) in response to an article that appeared in the NYTimes under the title "Paradoxical Truth". The same article I submitted for their attention to MetaReaserch.org, along with my cover letter to Mr. Sulzberger, Jr. As I have yet not received any reply from either of them, I still do not know whether they intend to publish it, or reject it on account of the fact that it **demolishes** the totally unacceptable suppositions and principles on which the currently acceptable position of "scientists" is based. I guess, I must allow them another week to respond, after which I shall consider myself free to seek another outlet to bring it to the attention of the world public, in which case, ***you may consider yourselves as the prime candidate, if*** you can offer it to the world from, with a link to, your site, yet **free** of commercial considerations, under the title indicated above under in (c).

If you should find that you cannot agree to meet any of the above considerations, would you perhaps direct me on how to get my offering to the world listed on the Internet by myself—if at all possible?

I *will* be grateful for an early response.

Most sincerely and with the Season's Wishes
GPS—

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December 23, 2010.

18. Re: Your efforts to change ill-set social habits.

erica@leadingwithmeaning.com

Dear Dr. Brown:

1. I read about you in the NYTimes article of Dec.20, 2010 "The Arduous Community" by David Brooks. There I found that you "tr[y] to create arduous countercultural communities, because we live in a relativistic culture in which many people have no firm categories to organize their thinking, and find it hard to give straight yes/no answers to tough moral questions, because when they search for answers, they only find [some] comfort easing somewhat their anxiet [ies], [whereas you try] to do the opposite, based on the belief that Jewish learning isn't about achieving, but about the struggle; [and you] try to make people uncomfortable". Here, I tried to condense as much as possible the highlights of the printed text without destroying much its structure.
2. I wonder: (a) Are you attempting to teach *just only* Jewish people so that they continue to live in the modern world yet according to the rituals and strictures the Torah demands, or (b) are you attempting to teach *all* people *to get to know and stay in personal contact* with the Lord God?
3. If only the former, I fear you are bound to have a much lesser success, not least for the fact that prominent Jews **have had a very heavy hand** in forming through science, no less, the present culture of relativism that has indeed engulfed us all. If also the latter, the field obviously widens immeasurably, not only as regards attendance but also *attention* to the hard core of relativism itself. It is inevitable: In either case, you *must face and defeat* the hard core of relativism, based confidently on the *hard Logical fact* that the Lord God, in His own Perfection and self respect, could *not* have created the world with *any* room

for the relativism that destroys His own definition and structure of the physical and moral order!

4. If only the former, your students shall not stand hearing anything shaking the foundation of relativism, due to its own Jewish origins, and I cannot be of much help. If also the latter, I have indeed a very great deal to tell you, that ***we all must*** finally face.

5. If only the former, you need not answer this letter. If also the latter, just drop me a line, but please allow me some time to organize the material I judge needs to be brought first to your attention.

Sincerely and with the Season's wishes ,
GPS—

COMMENT: There was no response.

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December 29, 2010.

19. Re: My Comment On Forgiveness.

[http://community.nytimes.com/comments/
opinionator.blogs.nytimes.com/2010/12/26/on-forgiveness/?
permid=377#comment377](http://community.nytimes.com/comments/opinionator.blogs.nytimes.com/2010/12/26/on-forgiveness/?permid=377#comment377)

Regarding Prof. Griswold's article "On Forgiveness", and most of the readers responses, I am deeply saddened that only the lesser part of the lesson is being taught: the one regarding the moral duties of the injured party! So, I am beginning to suspect that either the present state of Philosophy is in dire need of total re-examination, or that careful screening is deliberately being applied to the effect that the far more important greater part of the lesson never draw the attention it truly deserves, as is evidenced by the great attention given to Christ's pleas to extending forgiveness to the offenders, while conveniently "forgetting" that other great commandment "so whatever you wish that men do to you, do so to them; for this is the law and the prophets" (Matt. 7. 12, RSV), and "and what you hate never do to another" (Tb. 4, 15).

In this age of relativism, it is useful to remember Einstein's saying "raffiniert ist der Herrgott, aber boshaft ist er nicht!": Take the supposed commandment "eye for an eye" and the terrible analysis of it by Shakespeare in the Merchant of Venice: Is the refined Lord truly demanding that an eye be delivered in retribution, or that the matter of retribution never arise, as the offense must never occur, due to our constant recollection of the need that for Justice's sake an equal measure must be meted out?

By putting the cart before the horse in this case, are we all certain that we do not really attempt to draw attention away from, and thus exonerate, the villain?

Before the featherweight payed to deliver "philosophers" rush to suggest that the victims apply forgiveness as appropriate in heart-rending personal experiences so that they move on in life as best they can in the face of violence constantly suffered, as so many contributors have rightly not so silently protested, why do

we so desperately attempt to avoid examining in all their awesome moral and philosophical depth the gross crimes we commit as organized "civilized?" societies even today, in the name of "civilization", "progress", "democracy", "rule of law", upon whole hapless nations we destroy on purpose for crimes their despotic and already hanged leaders committed upon them, while fully exonerating ourselves for so acting as even worse oppressors turning to rubble their countries, that we intend to rebuild, or so we say, for profit most certainly if we do, as we most certainly do not say??? And we dare to mention not just the "refined" but the All Holy God, in Whose name we fool ourselves to be acting???

The Lord's commandments are terrible. Do we truly have a good idea of how indeed they cut us all to untold pieces??? Do we realize, in our present "advanced" times how little indeed we comprehend the true nature of the Lord, His intentions, how He still attempts to teach us, Who truly His "Son" was??? How indeed do we all dare play where no games are in the least allowed???

COMMENT: Published as "377. GPS, Athens, Greece. December 29, 2010. 11:09 am".

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January 4, 2011.

**20. Re: “The Stone”:
Questions, Suggestions and Feedback
—For the Series Editor.**

opinionator@nytimes.com

Dear Sir:

1. Only after reading Prof. Critchley's article "Stoned" of Jan 2, 2011, did I learn that it is possible to get to some old article in the series.

The question is: **Is it still possible to add** a comment to some past article—just for the record, if not also for the edification of those people who like to search through, or even **study**, the annals ???

2. During some recent efforts to send my comments (prepared carefully on a separate page and then copied-transferred to the answer box you provide), I discovered a seaming inability of the system to accept, rich text (e.g., *oblique*, or **bold**).

The question is: was this due to an *error of mine*, or is it due to the *nature of the system you use that accepts only plain text*?

3. On transferring to your box text containing links, I found that the links disappeared inside the box and thus they never reached you!

The question is: did I here too commit a mistake?

4. By its very nature, public writing is a **very serious** piece of work as it makes or destroys the spirit of society, and unavoidably also speaks first of the writer and only then of what he/she says! So, when I write, my intension is **never** to quip (as so many respondents do, oblivious of the fact that their quips are **not** universally understood!), nor to appear deliberately abstruse for mere

effect (as so many professors of philosophy **purposefully** do even when they may not), but to **help** the **serious** reader get a very much better idea of the exact spirit of the comment. By stressing a word, I silently ask the reader to stop for a moment and consider the **meaning in context** of the stressed word, or of the link.

My suggestion is: Now that the Stone is in hiatus, may I request that both these facts and the computer program be reconsidered for the purpose of making both the main articles and the readers' responses more didactic. It would also be very didactic, if it were at all possible, that Greek be used in original Greek quotations [I have found the Graeca font of the Linguist's Software to be excellent] as many mistakes [the "Stoned" article of the philosopher Prof. Critchley, who obviously knows no Greek, is an example where **almost nothing** was transliterated correctly!—not to mention that Socrates held **no doctrine** other than subjecting **everything** to relentless re-examination, saying of himself: "I grow old always being taught"!] are committed in "translation" that neither reminds of the original words nor makes sense to the English reader!

Sincerely, and may we all have a Happy New Year,

GPS—

COMMENT: There was no reply.

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January 10/11, 2011.

21. Re: On the Scientific Proof of God's Existence and Actions.

gutting.1@nd.edu

Prof. Gary Gutting.
Notre Dame University.

Dear Prof. Gutting:

It was by reading the "[Stoned](#)" article by S. Critchley in the Opinionator column of the NYTimes that I was led to all articles published in the STONE series, among which I noticed your two articles #23: August 1, 2010, 5:30 PM: Philosophy and Faith and #27: August 11, 2010, 3:05 PM On Dawkins's Atheism: A Response. As the #23 article seems still to invite readers' comments, on Jan. 8, 2011 I sent my comment (in two installments due to the limitation of 5000 characters per comment), which appeared temporarily under <http://community.nytimes.com/comments/opinionator.blogs.nytimes.com/2010/08/01/philosophy-and-faith/?permid=#comment>.

Figuring that no action would be taken during the weekend and exhausted by overwork, I only reopened my computer yesterday to find that my comment had been removed (i.e., rejected). Not knowing whether or not the NYTimes editors solely on their own rejected my comment, I take the liberty to submit it herewith to you too, in the exact form I sent it to them,

[On the Problem of Faith vs. Philosophy vs. Science](#)

Definitely, this is a late comment, as only yesterday did I discov-

ver the access to all past articles of the Stone Forum of the Opinionator Blog. Late but better, as material published much earlier may thus also be used in this comment.

After a life-long consideration of the problem, I must say that it has NOT been considered with the FULL exercise of our intellect, especially in the present most advanced of all times! All sides state UNTESTED dogmas and assumptions as unassailable sacrosanct principles, and they begin squabbling! Prof. Gary Gutting in his "[Philosophy and Faith](#)" article quotes the question: "Can you really read the newspaper every day and continue to believe in an all-perfect God?" Believers AND opponents FAIL to understand that the questioner expects, as SUPPOSEDLY more "perfect", a world OTHER than the one God created! Thus setting OUR criterion of "perfection", ABOVE God's own! Surely, we MUST agree that in creating this world, God had a PRECISELY CONCEIVED PURPOSE in mind, achievable ONLY by the world HE created! In His world, our freedom IS RESPECTED IN THE EXTREME, and we are called TO LIVE AND MATURE WITH THE FULL CONSEQUENCES of our actions, through which God's Purpose IS INDEED ACHIEVABLE, even as, or even BECAUSE, WE create our own stumbling blocks! In our supposedly "perfect" world, we would NOT be FREE actors but MERE puppets! What sort of Theology, Philosophy and Science, would puppets do? As this question has NOT been seriously studied in the fullest by ALL thinkers exercising in the FULLEST their intellect, AS IT OUGHT TO HAVE BEEN, one, at first sight, may NOT but conclude that BOTH sides of this thus BUNGLED "debate" are equally responsible, but at a second, that the believers are MORE to blame, as they have NOT understood the statement that God made us in His own image and likeness, i.e. duty bound to apply ever more fully our intellect!

Then there is the question of the terms in which the "debate" is being conducted: Of what sort of "Theology" may we be proud today, when we consider as sacrosanct terms and descriptions set down as Holy Writ some three thousand years ago; perhaps impressive to ears then hearing the words, under the then "understanding" of the world, THAT WE STILL DO NOT UNDERSTAND, and are thus still compelled to call "mysterious"? How do we dare state that the God of Light acts in mysterious (i.e., DARK) ways? This is NOT Theology, but only an exhibition of the sayer's sloth in using his own, thus exhibited UNDEVELOPED, intellect! Cf.: The serpent deceived Eve, and

she Adam. Yet, only THEY were expelled, the serpent remained in Eden, that some "theologians" call Paradise! The serpent remained in Paradise? How does that compare to the "alas to the man by whom temptation comes?" Are serpents exempt, but not men? We pray "and lead us not unto temptation but deliver us from evil". Is God the Tempter? Have the words been written down EXACTLY as uttered? If so, WHAT must we understand? What other than ALL THE TEMPTATION WE CAN BEAR YET RESIST, for only thus may we grow spiritually and thus CONTRIBUTE to the Purpose of Creation? Back then, the Hebrews were not distinguished for their commitment to DEEP philosophical thought and EXACT expression—their language, lacking vowels, IS sufficient proof! Even day, we read in our churches the Old Testament, that we still do NOT understand! We just mumble! HOW in God's Name can this pass for THEOLOGY? I do NOT mean to insult! I mean that WE ARE DUTY BOUND, AT LAST, TO BEGIN COMING TO OUR SENSES; TIME PRESSES US HARD!

Comment continuing in the NEXT submission)

[On the Problem of Faith vs. Philosophy vs. Science](#)

(Comment continuing from the PREVIOUS submission)

And then, WHAT sort of "Science" do we pretend we do when B. Russell, a mathematician-scientist-philosopher will reply (HAS ALREADY REPLIED!) "I'm terribly sorry, but you didn't give us enough evidence" (see "[Mystery and Evidence](#)" by Tim Crane)? Are we REALLY sure GOD did not? Or is the reply BY FAR THE WORST exhibition of intellectual sloth? Consider: Do we all, theologians, atheists, agnostics, philosophers, scientists know of ANY law obeyed by ALL, EXACTLY AS IT WAS MEANT, that was NOT CLEARLY AND EXACTLY previously written down, THAT NEVER PRESENTED ANY INTERNAL ANTINOMY OR FAILURE DUE TO SELF-CONFLICT? As we all most certainly do NOT, behind EVERY law, especially of such absolute perfection, there stands ITS lawgiver, who most clearly saw to all these! Now then: Consider the UNIVERSAL law of gravitation: It is NOT a wordy law, such as those human lawgivers write down, but an EXACT, SIMPLE, LEAN PHYSICAL-MATHEMATICAL law; meaning that its

Author knew AT LEAST, BOTH physics AND mathematics! So, behind the UNIVERSAL law of gravitation WHO stands? Most certainly NOT Isaac Newton: he was only the DISCOVERER of the law, NOT its Author, Installer, Enforcer! WHO then the latter was? Since 1687 has Newton's law been known, yet till 1986 when its COMPLETE DIMENSIONAL ANALYSIS was officially presented, IT HAD REMAINED ESSENTIALLY UNAPPRECIATED IN ALL ITS COMPLETE RAMIFICATIONS!; and after 1986 the results of that analysis ARE BEING SUPPRESSED, BY BOTH HIGH PRIESTS AND TOP NOTCH SCIENTISTS SO THAT THEY NOT BECOME PUBLIC KNOWLEDGE! Why? Because THEY ALL would be cut to their proper natural size, and they would NOT dare assume airs! Again, I do NOT attempt to insult, but place us all to our proper positions before the Lawgiver, in full view of the incontrovertible far more than diamond hard facts of Logic, as presented by the entire natural universe, cosmically screaming but not heard by willfully, hermetically shut ears and minds!

Most simply put, the mere fact that the separation of the attracting bodies appears in the denominator of Newton's law and THERE IS NO ATTACHED LIMIT to the law's applicability compels us to include ALL distances from zero to infinity, so that NO MASS ANYWHERE AT ALL is excluded! The law's COMPLETE DIMENSIONAL ANALYSIS PLUS OBSERVATION require that BOTH the universal gravitational constant G and the total mass M of the universe be ABSOLUTELY constant, under which condition, THERE EXISTS A COMPANION LAW OF UNIVERSAL EXPANSION TO THE EFFECT THAT THE VELOCITY OF LIGHT IS PERFORCE VARIABLE and proportional to the $-\frac{1}{3}$ power of the universal age T! Everyone who has gone at all to high school understands what this means! The universal expansion TAKES PRECEDENCE OVER the gravitation that REGULATES the universal expansion! Given the present velocity of light, setting the age of the universe to 12 billion years produces the total mass present in the universe, its size and the average density of matter in it very close indeed to the best astronomical estimates to date! It also produces the total number and size of the long since forgotten Democritean atoms! Do we recall the command "Let there be light"? THEN AND THUS it was that ALL PHYSICAL began at $T = 0$!

And as for the classical geometry? That, too, IS God's own and plays a crucial part in the behavior of the electron within the

atom. To the effect that out too go BOTH indeterminacy and uncertainty! High priests and top notch scientists pretend they do not understand, find nothing interesting in all this, keep on hiding, setting their egos and petty interests, before the interests of the entire humanity! For the complete examination of these findings and all their philosophical and theological consequences, the interested reader may refer to

www.thefreegpslibrary.edu.gr.

[And here is where it appeared before it was removed:

<http://community.nytimes.com/comments/opinionator.blogs.nytimes.com/2010/08/01/philosophy-and-faith/?permid=#comment>]

so that you have a good look at it in case you were not involved in the act of rejection, and to request that *you* as a trained thinker, teaching professor, and conscientious Christian standing before the Lord compare its contents to what other contributors have seen fit to contribute to this important discussion.

As in your #23 article you quote the question: "Can you really read the newspaper every day and continue to believe in an all-perfect God?", you too *must* decide how indeed this *is* Logically possible! I suppose you *know the vast difference* between Λόγος = God's own *Perfect Intellect, Reason and Reasoning Ability and Function* and λόγος = speech, words-we-utter-whether-they-make-sense-or-not. Kindly do *not* equate Λόγος to Word! This is an *absolutely terrible* mistranslation: The English "Word" bears *no* intrinsic relation to Λόγος! By referring all their λόγους (plural accusative) to Λόγος the Greeks silently kept on being acutely aware of the need to remain ἔλλογοι, and of the grave sin of failing to do so!

And please believe me, at 76+½ I am *no* less unhappy with the state of our world than you are! Today, it is *we "Christians" and Americans who wage wars and are messing up* the world, instead of giving the *proper* example! For years I have been requesting that the top men of our *divided and therefore no longer truly Christian* churches (whom we shamelessly dare call "Fathers", and "Holy Fathers", and "Most Divine All-Holinesses", in *direct disobedience* to the Lord's admonition that we call *nobody* "father" on earth!) gather together, forget *all their unseemly arrogance* and deliberate on what is proper for *Christians* to believe about *the One Perfect God!* Let us all understand that *proper* respect is *not* transferable by claim of history to the man seating on this or that "See", but only as befits his *personal holiness, and the courage to bear his cross by telling the world of our unpardonable daily sins!* For years I have been requesting that the top churchmen thus become *truly Christian*, and then proceed to invite the leaders of *all monotheistic religions to a common table* to deliberate on the attributes of *the One Perfect God, Who alone* deserves our adoration! So that *all* the world, at last pay attention! What indeed, we all who claim to be *Christians*

are afraid of and *refuse* to proceed thus? How is it that we fail to understand that by not acting thus, it is *we, more than all others*, who profane the All-Holy God, and make it difficult if not impossible for non-believers to believe?

Had the Lord Jesus Christ entered Jerusalem *fully armed on a fully armed warhorse instead of plainly clothed sitting sidewise on a little donkey*, those who just a few days later crucified Him *would* instantly have become "Christians"! We do *not* believe in the Lord Jesus Christ if we lack the faith to tell the World this (*so little*) much! The Jews believe themselves to be the elect people of God, and expect the Messiah to come and establish *them* as supreme secular leaders of the world! They rejected Jesus Christ for *refusing to act as they expected of Him!* And for the delaying of the Messiah to come as they expected Him, a large number of them have turned to *active polemical atheism*, attempting by economical means to conquer and subdue the world, and many so-called Christian nations follow their example! *Few* understand that it is those who claim to follow the Lord's commandments but by their lives and general conduct profane the Lord are the ones who most of all need salvation! It was for *this* reason that the Messiah Lord Jesus Christ came among them, in order to save even those who, thus acting, stand on the lowest rung of the ladder!

For six hundred years did the "Christians" fail to Christianize Asia before Mohammed came on the scene! He liked better the Jewish belief, for finding more convenient for his own purposes the *Jewish* story of Abraham's *neglected and rejected* first-born son Ismael! And what indeed have *we* "Christians" done? We have been respecting Abraham despite his having expelled Agar and her baby, and been ready to slaughter his second-born Isaac, ostensibly in obedience to God's command, who yet did *not* love even his second son enough to fall instantly on the ground and request that the Lord God take *him* rather than the *innocent* child! And we have modeled Jesus Christ (thus *almost* in the form of Isaac) as the *only* "Son" of God, sent by the *thus shown to be a cruel Father in Heaven to be crucified on earth by us for our sake!* And *who indeed are we, sinful worms*, to deserve such sacrifice? What do the Christian "philosophers" have to say about this *contrived* God's Justice, who sacrifices His sole Celestial Holy Son for the sake of worthless worms crawling on earth?

What is the solution? What other than that the *whole indivisible* Lord God, came to earth to show us His own humility as an example of proper life, as well as to prove by His own example, suffering just as the least one among us, that He does *not* ask too much of us, beyond our own capacity, when He asks us to lead a life after His own example? How else, do we think, we deserve of Heaven? Do we really think that by *punishment* meted by the Lord God, we shall be cleansed *despite our will while on earth* and deemed worthy of Heaven? Professor, allow me to ask you: Is the Lord God, Pure Spirit, ever-present everywhere, *even in consciences that struggle to reject Him but cannot*, or not? If He is, how come is He not also in Hell? So, as Hell cannot but *also* be in God's Lap, is it not His love that is felt *by us all both as Hell and Heaven, as each one of us deserves?*

So, what was in the first and second long paragraphs of my submission that the examiners found worthless? That on the matter of Faith we have *not* applied

the *full* exercise of our intellect, especially in the present most advanced of all times? Or that I did not concur in demanding a more "perfect" world, suited to our *earthly* interests rather than to God's Purpose? Is it or not true that the world has been for very much longer under the stern, to put it mildly, power of priests profaning God with their teachings and behavior, than under the power of reacting atheist "scientists"; and, therefore, that *a much greater blame must* be assessed to the former? When a "faith" such as the above is forcefully pushed down our throats, isn't this done in an effort to turn us into puppets? Do puppets have intellects, consciences and souls worthy of Heaven? Did the Lord God create in His own image and likeness puppets or *free* men, duty bound to apply ever more fully their intellect? Where is the *agony* of our religious "superiors" exhibited in the face of the fact that, clearly, *they have failed to apply their love of God with all their intellect* in persuading us that He truly is There and Everywhere? Or must even this be kept secret? On whose side truly are the "Christian philosophers" of our time: God's, or of the religious authorities? Clearly, we do *not* understand the ways of the Lord! So, *where* indeed *are* our tearful burning-hot prayers asking Him to help us understand Him, and where are our conscientious intellectual efforts at that? Christian apologetics *has* been forgotten, and today current Christian philosophy is mere wordplay, *not* an examination of *unquestionable objective facts*.

It is with such facts, *always there ever since Creation*, with which the material of the second part of my submission deals. If I am wrong, it *must* be shown. Ever since 1986, I have tried to find somebody able to show my findings wrong! The 8th Book of my *free* library, found in the website cited at the closing paragraph of my submission, contains my efforts to find out where I have failed. The silence of professors and Nobel laureates screams all the way to High Heaven! Their theories are just that: contrivances! For the "verification" of which *public* wealth, *not* their own is expended! Still, despite the enormous wealth and human effort expended in "proving" their theories, the self-proclaimed "experts" have *never* managed to display by *all their theories combined* the findings derived from the *simple, correct and complete* dimensional analysis of Newton's law of gravitation!

You can refer to the www.thefreegpslibrary.edu.gr website, and examine *all* the material there. Where the material happens to be outside your personal field of expertise, your colleagues surely can assist. In God's Holy Name, please do! Much too much misery is being suffered all over the world! Rivers of human blood flow *in our alas still continuing religious wars*! In which, the USA, the unquestioned (but *not also spiritually!*) leader today of the world, considered by the rest of the world to be Christian, instead of establishing *general and just peace*, has chosen to take the side of the second Abrahamic lineage against the first, for the (*sole?*) reason (that I gave above, that *is, however, ignored*) that Jesus Christ, the *indivisible* Incarnate Holy God appeared on earth in the second Abrahamic lineage! Yet, by what right may we regard the first, and ostensibly the entire rest of the world to be outcast? How do we dare ignore the Lord's last commandment to Christianize the *whole* world? Do not those who still regard themselves *true Christians* continue to be duty-bound to expose those who pro-

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fane the Lord God calling themselves "Christians"? *Before* the blasphemy touches the Seventh Heaven? Even Einstein, a non-believer in a Personal, *pure Spiritual* God, has called den Herrgott nicht boshaft! In order that the Lord remain *totally non-oppressive*, He chose to *insinuate* Himself as τὸν Δημιουργόν, the Demiurge (Him who creates public words and presents them to the Demos for scrupulous public examination and *considerate* use!) by "hiding" Himself behind the physical laws governing from its *definite beginning* the *entire* universe! We have long demanded *proof* of His existence! What *more incontrovertible than this proof* can there be? How do we dare *hide this far harder than diamond* fact? Do we dare recognize *no* limits to our malfeasances? You, as a professor of Philosophy in a bona fide Christian university, *can* accept that? I, as an engineer-researcher, find that I *cannot* dishonor *four* universities *and* the ANL I have gone through, nor those who employed me later on!

With my Christian wishes for the New Year,
GPS—

COMMENT: Not even Prof. Gutting of Notre Dame University saw it fit at all to respond!

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January 16-20, 2011.

22. Re: Debating Theism vs. Atheism in the Face of Objective Reality.

Professor [FRANS DE WAAL](#)
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Dear Professor de Waal:

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Having only about ten days ago discovered the way to back postings in the Stone series of the NYTimes, I was attracted to and very much interested in your two contributions. But, in all honesty, I thought it more pertinent (as opposed to impertinent) that I ought to try commenting first on two other articles, the answer to which (falling *fully within* the "Comments are moderated and generally will be posted if they are on-topic and not abusive" guideline) though originally appearing as submitted was later removed over the previous weekend; which forced me to resend it *as originally submitted*, yet this time appropriately commented, to the original article author, *without so far any* response! Obviously, I *must* now conclude, my response either disturbed much too much the now for much too long standing stagnant waters, or could not be tolerated by that much too much indoctrinated that other author, finding himself to be outside *your* "moderates" category! I just thought it pertinent (again as opposed to impertinent) to test first the "Christianity" of that other author before entering into a discussion with a specialist in a particular but rather narrow field of

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science, though self-described moderate (and I mean absolutely *no* insult!), such as yourself. I appreciate it deeply that you "would love to see a debate among moderates, ...think(ing) that most people will be open to a debate that respects both (religious) beliefs and the triumphs of science". Of course, how moderate I myself am you shall be able to judge from what follows: I am *both* a Greek-Orthodox believer *catholically protesting* the way the *entire* Christianity has developed, *and* as an engineer/scientist *also very dubious* about the so-called "triumphs of [pure] science", as distinguished from those of (morally neutral, except for its contributions to morally atrocious activities) technology, that are so very often intertwined! So, I suppose I qualify as a moderate! And since you thus dropped the gauntlet, I am glad to take it up and politely offer it back to you, in a way that will benefit us both, *and* the entire community of *truly* civilized people everywhere, I hope!

I see you quoted C. Darwin's statement regarding the development of morality and conscience "in any animal whatever ...as soon as its intellectual powers had become as well developed ... as in man". Question: In the century and a half since he wrote, has there been *any* observation to the effect that chimpanzees, at least those having "associated" at all with humans, have developed discernible morality and conscience *anywhere nearer that of ours, especially while we, by moving ever more away from the age-long religious precepts, are indeed closing the gap very much faster than they?* I must suppose your answer will be that (d)evolutionarily speaking it is too soon to say! But still, it is *not*! Because while we humans (what a name indeed: from *humid humus, no other, or at best the "earthlings" — as opposed to anthropos, from ἀναθρώπων ὁ ὀπωπεύει!* = he who *reexamines* what he has seen!) indeed have learned a lot, *truly* wiser we have *not* become in the least! I fear that as we shape our language, it too shapes us, yet in ways we are *not at all consciously* aware! The word "aping" *followed* the word "ape", whereas the word anthropos could only have been adopted *after deep* introspection and *necessary* syncopation of a whole phrase! I truly wonder how many so-called anthropologists are deeply aware of whom they are dealing with when, nonchalantly, they collate the anthropos with the other mammals! Surely, atheism *has inescapably a lot to do with it*, starting its considerations from the matter science(?) examines, yet still has to understand it in its full depth, but as of now still only theorizes about it with *as of yet no officially and universally recognized* way to examine the validity of its own precepts on which it bases its studies of matter in general!

After a life-long consideration of the problem before us, (and I am 761/2), I *must* say that it has *not* been considered with the *full* exercise of our intellect, especially in the present most advanced of all times! All sides state *untested* dogmas and assumptions as unassailable sacrosanct principles, and they begin squabbling! Inescapably, we *must* confess it: *Both* sides examine the subject matter before them through a lens of much too closed aperture, thus miserably failing to keep it, as indeed they ought, wide open *over the complete 4π steradians outward and inward*, so that they miss *absolutely nothing* not only about the outside world but also the one inside ourselves that our guilty conscience prevents us from confessing it is there and constantly nagging us to

look honestly at it too! Psychologists consistently *commit a grave scientific blunder* in failing to recognize that inside us there are not only subjective matters *but also truly universal ones*: As an animal psychologist you know that animals, too, make the best use they can of the physical environment in which they have learned to live. But have you *ever* detected an effort on their side to **Logically** comprehend *both it and the whole universe*, which in us *is an inner matter not just of arid curiosity but of constant anxious search for the existential meaning first principally of ourselves and only then of the world that surrounds us*? I do *not* suppose that you miss the fact that science is *not* an activity that scientists undertake just as an other way of earning a comfortable living by it while thus impressing others, but they get involved in it *compelled by an inner yearning for integral understanding*, without which they feel themselves *incomplete*. This is *not* arid and meaningless "intellectualism", pushing, say, the astronomers come summer, come winter, to travel to mountain tops in the dead of night, but *pure and simple yet deeply meaningful spirituality!* Those of them who do not confess an adherence to some specific recognized religion *have yet made a religion of their own thus expressed spiritual yearning!* *None* of the atheist astronomers hopes to find written in the black background that "THERE IS NO GOD"! Their searching the sky *is* their religion! So *it is disingenuous on their part* to deny generally the meaningfulness of religion! What we all who truly care need to confess is the need to sit down and examine meaningfully what is the *best* way to make **perfect sense of the objective Reality both inside us** (yes, there *is* such a one!) **and outside us!** This no animals do or shall ever do! If they evolve to doing that they will have ceased to be animals! Àpropos, don't you find it most curious that we call them "animals" (deriving from anima = soul) at the same time that we deny the presence of a soul in us? How do you as a psychologist explain that? Have we evolved to losing our souls, yet still *consciously practice spiritual activities*? Isn't that an *unquestionable* exhibition of insanity? So, I take it you will agree that taking a statement even of C. Darwin as a starting point without proper consideration of its own firm **Logical** moorings is *not* a very wise thing to do: It looks suspiciously like the **Logically** unexamined dogmas of the theists and the unexamined "principles" of atheist "scientists". Spirituality *has yet to be proven* a product of the evolving flesh, not even of the human flesh! We *must* be careful of *all* our statements!

So, on *both* the "theistic" *and* the "atheistic" side, those who stick firmly and stubbornly on their side and *neglect* the other just fail to consider *in depth as they must* the intellectual environments and the hard knowledge extant at the time in which both the religions and the sciences developed and what were and continue to be the social and intellectual conditions that caused them to precipitate in this or the other side:

(a) Take the Greek "myths" about Theogony: They were nothing other than an *unenforced and undogmatic* way to banish the vulgar and beastly notions that surrounded the very early beliefs about the so-called "nature gods". Zeus brought them back to "life" as this was the better part of Reason but forever exiled them to beyond the reach of ἀνθρώπων (pl. gen. = humans)! Himself he swallowed

and kept alive in his head his wife Metis (= Prudence) mother of Athene (God's Noesis = faculty of Reasoning and Wisdom), to whom *they both gave simultaneous* birth under terrible pains (for the reason that for the Greeks even God *ought* to work out to *absolute* perfection His own wisdom!) *through Zeus's head* as a *fully grown, ageless, beautiful virgin* (for the reason that God's Wisdom *cannot* be other than forever incorruptible!) woman very much in the way the sculptor Phidias depicted her in the Parthenon, for the reason that the Greeks could *not* conceive of an unwise God and His Wisdom ever to have been an unwise baby, infant, frolicking little girl, irritating youth! [And as for the tales of Zeus's frolicking about with maidens, this was their way of regarding conceptions by their maidens as Godsend, rather than as reasons for starting family wars about rapes! For *that* reason did they give the babies thus born names relating to Zeus, and they, as they grew up developed characters honoring their Father on Mount Olympus!] The general populace kept their age-long customs; the wise men knew better about how we all ought to regard the reasoning, demonstrative and productive faculties of God, as shown (under the then available knowledge) in Plato's Timaeus. It is *not* fortuitous that the Greeks always conceived God as the Demiourgos (the Creator who produces *public* works and submits them to the Demos (= the Citizens) for their *detailed and if need be ruthless* criticism!): Indeed, a Perfect God is *not* afraid of examination! He is *not* mysterious (= keeping Himself in the dark), as the "Christians" (taking after the Hebrews) make Him out to be! Intolerance is *not* a characteristic of a wise man having worked out *in excruciating detail his proper belief* in an All-Wise, Perfect and *truly* Caring God, caring *not* about *our* mundane petty interests, comforts, passions and what not, but about the Ultimate Purpose of *His* Creation, which is to see the largest possible number of *us* reach Holiness *without the least* coercion, yet with *total* Justice, *as befits His* Perfection! Indeed, what may an *honest* man have against *such* a God? Blame the misunderstandings of the so-called "Christians" and their unquestioned acceptance of Jewish religious traits of "explanation", as richly exhibited in the Book of Genesis, where God is *repeatedly* presented having second thoughts about His own earlier activities! Christianity, alas, *never* philosophized about God! Just as before it the Jews never did either! First they, and after them the "Christians" vehemently rejected a *truly questioning* philosophical Theology, doing deep honor to God! So, I submit, let us not blame God, let us at very long last examine *radically for the better our* ways! Unquestioning itself blind atheism, just as unquestioning itself blind belief in an imperfect God is the mark of the intellectually lazy or incompetent!

(b) Now, take the Book of Genesis: One may *not* rely on translations revised every now and then. The Septuagint starts out by stating that (and I translate as closely as possible to the exact meaning of the Greek words) "In the beginning God created the heaven and the earth. And the earth was *ἀόρατος* (impossible to see, invisible) and *ἀκατασκεύαστος* (strictly speaking: not yet possible to construct, or more loosely: as of yet unstructured); and darkness (was all) over the abyss. And (the) Spirit of God *ἐπεφέρετο* (moved itself over the water). And God said, **Let** there be light: and there was light. And God saw the

light, that it was good. And God separated the light from the darkness. And God called the light Day, and the darkness He called Night. And there became evening and there became morning, day μία (= one, here meaning first). These demonstrate how poor indeed was the knowledge of the author regarding the physical sequence of natural events: thus hardly qualifying as the verbatim words of God: On an as of yet ἀκατασκευάστοι earth there was the already κατεσκευασμένη (= *structured*) form of matter we call water! But also look: God *separated* the light from the darkness, i.e., defined a *border* between how far light extended and from there on the darkness continued. This **truly is most important** as we shall see later on. But that God called the light day and the darkness night *presupposes the presence of the sun!* This before there could have been a sun that called for the presence of the firmament (believed rotating about the earth, on which, as all stars, was believed to be stuck) that could divide the water that was under the firmament (presumably, the water on earth) from the water that was above the firmament (from which, presumably, the rain came down when the water taps also fixed on the firmament were removed, when the *lost original* Hebrew text was written, when also the earth just earlier already said to be at best unstructured was believed to have been constructed flat!). And yet, there are still believers who truly believe these and a very large number of other *false* statements also made in the Book of Genesis to have been the exact words of God dictated to the writer of the Book, that *continues to be read verbatim* even in Christian churches today by priests that do *not* understand what they read! Piety *is one* thing. Falsehood *is another*. The first does *not* excuse the second! *Nor* indeed do such statements excuse today's atheism, that must be seen in **today's solid (is there such a one?) knowledge of the nature of the universe!** Please **mark these words also** for what is to follow!

(c) Now let me mention something else from the New Testament (Luk. 16,22) viz. "the poor Lazarus in the bosom of Abraham", understood even by "Christian" so-called "theologians" to refer to the first patriarch of the Hebrews: Abraham means "father of many" and Abram means "Father exalted". As at least the first is also the name of the first patriarch of the Hebrews, could there be that *this is another instance of profane usurpation?* I mean, isn't there far greater justice done when we reserve these names for the Lord God Himself? Kindly remember that at Sarah's instigation Abraham took Agar and had his first son by her, and later expelled both mother and baby from his "house", or *tent*, into the desert! And also, that he later raised his knife to kill even his second son, presumably on direct orders from God! Now, kindly ask yourself, what sort of father do these stories make? Which father acts thus, and even on the second occasion does not fall on his knees and ask God to take *him* rather than the innocent boy? And what, I ask, did the so-called "Christians" do with these stories as a pattern? Did they not form the concept of the Lord God in Heaven in the pattern of Abraham the man, by teaching that *He sent His only begotten Son to be crucified* for our sake, only in order to portray Christ as the Messiah expected by the Jews *who never to this very day examined in what form the Messiah would come and for what High Purpose of the Lord God?* That we are mere and indeed the *only* sinful creatures on earth, while Christ/theMessiah is

God's *only begotten Son* does not count heavily to His favor and against the whole lot of us all, that can be wiped out in an instant only to be replaced by innocent ones, that *would* save the *Innocent Son* from the sacrifice? Isn't that *the peak of our arrogance* until it is looked into to its *full* depth, *which has yet to be officially undertaken*? Is there the slightest doubt that had the Lord Jesus Christ entered Jerusalem *fully armed on a fully armed warhorse instead of plainly clothed sitting sidewise on a little donkey*, those who just a few days later crucified Him *would* instantly have become the first and only "Christians"? We so-called "Christians" do *not* believe in the Lord Jesus Christ if we lack the faith to tell the World this (*so little*) much! The Jews believe themselves to be the elect people of God, and expect the Messiah to come and establish *them* as supreme *secular* leaders of the world! They rejected Jesus Christ for *refusing to act as they truly expected of Him*, after resurrecting the four-days-dead *other Lazarus*! And for the delaying of the Messiah to come as they expected Him, a large number of them have indeed turned to *active polemical atheism*, attempting at least by economical means to conquer and subdue the world, and *many if not all* so-called "Christian" nations follow their example *and collaborate with them* in their *full practical atheism* though they *continue* to call themselves "Christians"! *Few* understand that it is those who claim to follow the Lord's commandments but by their lives and general conduct *profane* the Lord are the ones who most of all need salvation! It was for *this* reason that the *Messiah* Lord Jesus Christ came among *them*, in order to save *even them and with them us all*, mere worms(?), if we believe the atheist evolutionists, or indeed *very much more* than mere sinful worms, for the *fallen divinity* we hide in our souls, *that can still be seen to be such* even by the atheist astronomers and other scientists struggling maniacally to find the *ultimate answers*, that most definitely is *not* the work of mere worms!) who, thus acting both then and still now, do indeed stand on the lowest rung of the ladder! *Be the Truth told!*

(d) For six hundred years did the "Christians" fail to Christianize Asia before Mohammed came on the scene! He liked better the Jewish belief, for finding more convenient for his own purposes the *Jewish* story of Abraham's *neglected and rejected* first-born son Ismael! And what indeed have *we* "Christians" done since? History tells of our deeds, even to very this sorrowful day! The living daily facts before us all do not have to be further explained to philosophers and intellectuals of all sorts worthy of their pinch of salt! The "unworthy" *cannot and may not be forced* to take the *very much needed* pinch of salt!

(e) What is the solution of this seemingly difficult puzzle presented to us as Jesus Christ? What other than that the ***whole indivisible Lord God***, came to earth to show us His own humility as an example of proper life, as well as to prove by His own example, suffering just as the least one among us, that He does *not* ask too much of us, beyond our own capacity, when He asks us to lead a life after His own example? How else, do we think, we deserve of Heaven? Do we really think that by *punishment* meted in the Pergatorium by the Lord God, we shall be cleansed *despite our practicing will while on earth* and deemed worthy of Heaven? Professor, allow me to ask you: Just conservatively as of yet, assuming Him to exist, is the Lord God, Pure Spirit, ***ever-present everywhere***

(for if not, *what can we name to be standing in the Pure Spirit's way?*), even in consciences that struggle to reject Him but cannot, or is He not **ever-present everywhere**? If He is, how come is He not **also** in Hell? So, **as Hell cannot but also be in God's Lap**, is it not His love that is felt by us all both as Hell and Heaven, as each one of us by Justice deserves?

The above criticism (due to the reason that we have *not* applied, as we ought to have done, the **full** exercise of our intellect, *as with increasing knowledge it itself develops over time*, on the *crucial* matter of our Christian religion) does *not*, of course, exhaust all possible **Logical** and thus *con Deo* criticism from within, but only the beginning of it. There can be no doubt that by sticking so tightly to "Tradition", the "Christians" are still also stuck to a *clearly basically faulty* "understanding" that by not being *the correct understanding* of the foundations of the Christian religion cannot be correctly defended against attacks from agnostics, atheists and supposedly friendly yet *corrupting* "modernizers" from within, thus intellectually becoming ever weaker in the face of the ever increasing onslaught, against which it can only present no Reasoned arguments but only the vast numbers of *indoctrinated* new believers in places like China, who in time will inevitably *also* feel the onslaught of agnostics, atheists and *corrupting* "modernizers"! Alas, those who are not exposed to the *viciously on-going "intellectual" war conducted for pay* do *not* understand what Christianity now faces! And those who *do* understand are reluctant to abandon "Tradition" *that has paid them so well*, for **Reason** that demands *true sacrifices*!

My criticism has *not* managed to elicit anything more than their *dead silence*! *Despite my years-long calls and pleadings* that the leaders of the various "Christian" factions (created solely on account and for the sake of the *unquenchable quest for absolute supremacy over men* of their leaders!) gather and tearfully search for *what is a truly worthy for men and pleasing God* conception of *the* Perfect God first for *all* Christians, and only *then* for *all* monotheist men, and only *then* for **all** men to accept universally, I have made *no* progress! Belief non-illuminated by Reason is indeed the hardest nut to brake open to God's Light!

On the other hand, there are those who as Prof. Gary Gutting in his "[Philosophy and Faith](#)" article quotes pose the question: "Can you really read the newspaper every day and continue to believe in an all-perfect God?" Believers *and* opponents *fail* to understand that the questioner expects, as *supposedly* more "perfect", a world *other* than the one God created! Thus setting *our* criterion of "perfection", *above* God's own! Surely, we *must* agree that in creating this world, God had a *precisely conceived purpose* in mind, achievable *only* by the world *He* created! In His world, our freedom **is respected in the extreme**, and we are called **to live and mature with the full consequences** of our actions, through which God's Purpose **is indeed achievable**, even as, or even **because**, we create our own stumbling blocks! In our supposedly "perfect" world, we would **not** be *free* actors but *mere* puppets! What sort of Theology, Philosophy and Science, would puppets do? As this question has **not** been seriously studied in the fullest by *all* thinkers exercising in the *fullest* their intellect, *as it ought to have been*, one, at first sight, may **not** but conclude that *both* sides of this thus *bungled*

"debate" are equally responsible, but at a second, that the believers are *more* to blame, as they have *not* understood the statement that God made us in His own image and likeness, i.e. duty bound to apply ever more fully our intellect!

Then there is the question of the terms in which the "debate" is being conducted: Of what sort of "Theology" may we be proud today, when we consider as sacrosanct terms and descriptions such as those already discussed above set down as Holy Writ some three thousand years ago; perhaps impressive to ears then hearing the words, under the then "understanding" of the world, *that we still do not understand*, and are thus still compelled to call "mysterious"? How do we dare state that the God of Light acts in mysterious (i.e., *dark*) ways? This is *not* Theology, but only an exhibition of the sayer's sloth in using his own, thus exhibited *undeveloped*, intellect! Cf.: The serpent deceived Eve, and she Adam. Yet, only *they* were expelled, the serpent remained in Eden, that some "theologians" call Paradise! The serpent remained in Paradise? How does that compare to the "alas to the man by whom temptation comes?" Are serpents exempt, but not men? We pray "and lead us not unto temptation but deliver us from evil". Is God the Tempter? Have the words been written down *exactly* as uttered? If so, *what* must we understand? What other than ***all the temptation we can bear yet resist***, for *only thus* may we grow spiritually and thus *contribute* to the Purpose of Creation? Back then, the Hebrews were not distinguished for their commitment to *deep* philosophical thought and *exact* expression—their language, lacking *all other but one* vowels, *is* sufficient proof! Even today, we read in our churches the Old Testament, that we still do *not* understand, despite the constant revisions of it, all done in an honest effort to obtain an understanding! As I showed above the Septuaginta is *not* adequately translated! We just mumble! *How* in God's Name can this pass for *Theology*? I do *not* mean to insult! I mean that ***we are duty bound, at last, to begin coming to our senses; time presses us hard!***

B

And now finally, to come closer to today's kind of science, *what* sort of "Science" do we *honestly* pretend we do—I mean *really free* of our objectively non-evaluable principles, assumptions and theories, as well as willfully worn blinders?

(a) Permit me to step into the next to your field of expertise: It seems to me very strongly that the theory of evolution is based *only* on what we plainly see in abundance but *willfully ignores what we ought also to see in abundance but we do not*, and ***far more strongly especially so if it is combined with pure chance as the controlling parameter***. After taking courses for three years of Geology and two years in Paleontology, I came away with the *incontrovertible fact of all fossils of species kept for study being both of distinct and perfect formation (with no gradations, the so-called "missing links") between the "punctuated" forms and totally lacking imperfect formation* due to some malfunction in the egg or womb that nevertheless would *not* render them unfit for life such as to cause miscarriages. I have yet to hear of, let alone see, fossils

of miscarried specimens! If chance, as R. Dawkins avidly argues, *was/is* a factor, we ought to see far more fossils of miscarried and malformed individuals, also including those of the so-called "missing links", and living "odd" specimens, even if judged "malformed" relative to the prevailing "regular" populations: I fail to see why *we all must* have five fingers per hand in order to deserve life and not, say, some three, some six and *not necessarily* the same number in *all* our ends! In other words, the **hard facts** out there speak of the **rule of hard Law, not at all of chance!** Which, as *all* laws do, speaks inevitably and *not* in the least silently of the Lawmaker!

(b) Now, in addition to the above, kindly consider that, in light of the *calculated* so-called Planck length, cubicle and time, the advocates of the present quantum theory, ignoring Dirac's call for a *new sane* quantum theory, *demand of us all to believe* that *everything* within those tiny Planck space and time limits is in total indeterminate disorder and chaos! These same gentlemen have spent billions of dollars and euros to erect the facilities at CERN, to the required **high** precision and accuracy that will ensure the hoped for success of the experiments they conduct there, *being absolutely certain* that what they leave *intact* in the evening will expect them in the morning *just as intact*, in order for them to continue their work from where they left it off the evening before! All these people *believe* that the Planck **disorder shall by their own fiat** result in the order with which they design their huge experiment! I, we all, **must** ask what sort of belief this is, on which *we* spend the billions, if it is not ilLogically *religious!* I am a trained engineer/researcher: I may *not* abandon **Logic!** You do **not** enter a skyscraper built on uncertainty, indeterminacy, disorder, chaos and *chance!* You have a family to care for! If you tried unabashedly to build a skyscraper based on such construction principles, the authorities, rightfully, *would immediately* lock you up in the most secure place for the incurably insane!

(c) Now, if you have to choose between a **Logical** (i.e., securely Reasonable) and an ilLogical (i.e., securely unReasonable) religion to depend on, which one would you choose? At this stage of the discussion, you *cannot* be blamed if you express inability to make a safely reasonable choice! **TIM CRANE** in "[Mystery and Evidence](#)" mentions the story about Bertrand Russell the mathematician-scientist-philosopher, being ready to defend his atheism on Judgment Day by saying: "I'm terribly sorry, but you didn't give us enough evidence!". Are we *really* sure *God* did not? Or is the reply *by far the very worst* exhibition of intellectual sloth? Consider: Do we all, agnostics, atheists, engineers, philosophers, scientists, theologians know of **any law obeyed by all, exactly as it was meant, that was not clearly and exactly previously written down, that never presented any internal antinomy or failure due to self-conflict?** As we all most certainly do *not*, behind *every* law, especially of **such** absolute perfection, there stands **its** lawgiver, who most clearly saw to all these! Now then: Consider the **universal** law of gravitation: It is **not** a wordy law, such as those human lawgivers write down, but an **exact, simple, lean physical-mathematical** law; meaning that its Author knew *at least both* physics *and* mathematics! So, behind the **universal** law of gravitation **Who** indeed stands? Most certainly **not** Isaac Newton: he was only the **discoverer** of

the law, **not** its Author, Installer, Enforcer! **Who** then the latter was? Since 1687 has Newton's law been known, yet till 1986 when its **complete dimensional analysis** was officially presented, **it had remained essentially unappreciated in all its complete ramifications!**; and after 1986 the results of that analysis **have been and are being suppressed, by both high priests and top-notch scientists so that they not become public knowledge!** Why? Because **they and we all** would be cut to their and our proper natural size, and we all would **not** dare assume airs! Again, I do **not** mean to insult, but place us all barring none to our proper positions before the Lawgiver, in full view of the incontrovertible far more than diamond hard facts of Logic, as presented by the **entire natural universe, cosmically screaming but not heard by willfully-hermetically shut ears and minds!**

(d) Most simply in this document put, the mere fact that the separation of the attracting bodies appears in the denominator of Newton's law and **there is no attached limit** to the law's applicability compels us to include **all** distances from zero to infinity, **so that no mass anywhere at all be excluded!** The law's **complete dimensional analysis plus observation** require that **both** the universal gravitational constant G and the total mass M of the universe be **absolutely** constant, under which condition, **there is a companion law of universal expansion, to the effect that the velocity of light is perforce variable and proportional to the $-\frac{1}{3}$ power of the universal age T!** Everyone who has gone at all to high school understands what this means! The universal expansion **takes precedence over** the gravitation that **regulates** the universal expansion! If this did/does not happen(ed), because the age of the universe is present in the denominator (on account of the $-\frac{1}{3}$ power), the universe **at the very moment of its creation would instantly have expanded to infinity (and every part of it would instantly have dissolved to infinite thinness), and we would not be here doing all that we do!!!** Given the present velocity of light, setting the age of the universe to 12 billion years produces the total mass present in the universe, its size and the average density of matter in it very close indeed to the best astronomical estimates to date! It also produces the total number and size of the long since forgotten Democritean atoms! Do we recall the command "Let there be light"? **Then and thus everything physical truly began** at $T = 0$! You recall Planck's content h : It is **not** the indeterminacy constant as the current quantum theory has it! Having the dimensions of action, namely (energy) \times (time), it is proportional to the $\frac{1}{3}$ **power of the universal age T**, and constitutes the **least action possible an any particular age T** of the universe, thus being the **true** action of each Democritean atom at the **particular** age T! At $T = 0$, the action performed by each Democritean atom **and** by the **entire** universe were thus necessarily zero!!! If all these can be produced from Newton's law of gravitation properly examined, why don't we have the manly intellectual spine to confess that all these **cannot** possibly be the results of pure chance???

(e) And as for the classical geometry (as opposed to the **contrived** theoretical constructions in so-called probability space)? That, too, **is** God's own and plays a **crucial** part in the behavior of the electron within the atom. To the effect that out too go **both** indeterminacy **and** uncertainty! High priests and top notch

scientists pretend not to understand, to find nothing interesting in all this, and they keep on hiding in dead silence, setting their egos and petty interests, before the interests of the entire humanity! For the complete examination of these findings and all their philosophical and theological consequences, the interested reader may refer to www.thefreepslibrary.edu.gr .

(f) In "Chapter II: Variation under Nature" of his "**The Origin Of Species (1872)**" as found in the Internet, Charles Darwin states " Nor shall I here discuss the various definitions which have been given of the term species. No one definition has satisfied all naturalists; yet *every naturalist knows vaguely what he means when he speaks of a species. Generally the term includes the unknown element of a distant act of creation*". I applied the *italic* stress in order to draw attention to the fact that as stated by Darwin, he confesses as included in the term species, *as every naturalist then knew and used the term, "the unknown element of a distant act of creation"*! As here discussed, that distant act becomes indeed much less distant—that is or those who are humble and sane enough to respect the law of gravitation that keeps them securely on the ground!

(g) In "Chapter VI: Difficulties of the Theory" Darwin states: "Long before the reader has arrived at this part of my work, a crowd of difficulties will have occurred to him. Some of them are so serious that to this day I can hardly reflect on them without being in some degree staggered; but, to the best of my judgment, the greater number are only apparent, and those that are real are not, I think, fatal to the theory. These difficulties and objections may be classed under the following heads: First, why, if species have descended from other species by fine gradations, do we not everywhere see innumerable transitional forms? Why is not all nature in confusion, instead of the species being, as we see them, well defined?" Here too, *we all are honor bound* to reflect on the fact of the subsequent *misuse* by "scientists" of Darwin's work in order to deny Creation when in *screaming language*, evolution itself speaks plainly of the *unknown yet present laws of construction* of flesh, bones, feathers and what not under which it takes place in *all* species, under which laws, nature is *not* in confusion and the species *are well defined* given the *universal facts* (i) that even the energies involved in the bonds of the atoms present in organic matter *cannot* remain unchanged as the universe ages, and (ii) that the *elasticity* of the organic bonds *is obviously limited*, so that after they exceed their limits they *must be reset to more stable configurations*! The beauty we observe in the plumage of an exotic bird, and the charm of a beautiful agile cat taking a sharp turn at full speed ***most definitely are not products of chance, but have been set in from the beginning*** based on the minuteness of the "laws of nature", set down before the first order that there be light was issued!!!

C

It is now obvious after all this discussion that, there is a vast cleavage between what we call matter, with which we play with both our hands and minds constructing "theories" about it to support "nontheism", and the infinitely

harder than diamond concept of what the Greeks have called Λόγος that **is not and cannot be** the product of matter as it includes **absolute** concepts such as Arithmetic, Beauty, Evil, Geometry, Good, Justice, Purpose existing way beyond what we regard to fall within our capacity to comprehend in their totality. Though I have not searched the Old Testament to determine whether the word Λόγος is present in it in the sense the Greeks defined it, which I very much doubt, the presence of it in the new Testament is clearly of Greek origin, as it appears in the beginning of the Gospel according to John, that directs us as far back as in the least to Heraclitus. The English translation of it as Word and the German translation as Wort are nowhere near making justice to its full Greek meaning. Λόγος is **not** something abstract but the *Absolute Perfect Intellect, Reason and Reasoning Ability and Function*, and for this reason it is always capitalized. There is also the word λόγος = speech/what-we-say, even if it be nonsense, that is capitalized only in the beginning of a sentence, always after a full stop. Both words also express the Αἰτίαν and αἰτίαν (sin. acc.) meaning respectively "Reason" and the "reason for which we proceed to do something". The words "Word" and "Wort" bear **no** intrinsic relation to Λόγος! By referring all their λόγους (plural accusative) to Λόγος the Greeks silently kept on being acutely aware of the need to remain ἔλλογοι (= within Reason), and of the grave sin of failing to do so! With these in mind, it is now easy to understand why I have taken up the gauntlet and spent so much effort writing all this down! The world is **not** meaningless, as the atheists want to portray it, Steven Weinberg and Richard Dawkins being examples. The **solid** findings of the dimensional analysis of the mathematically expressed Newton's law of gravitation constitute the unliftable tombstone over the notions of atheism and nontheism. It is therefore disingenuous to say the least to pretend that we can continue to do science, philosophy and generally conduct our lives all over the world as we, **obviously now**, slip down the **very** slippery slope, all for the sake of **ruthless** "development" and **insane** "prosperity", that the earth can no longer support in the fashion we chase after them! When Reason is demonstrated to exist, no longer in the total vacuum, nor in matter, but solely in a Mind big enough to contain it, we all, whether we want to admit it or not, become accountable for all our actions, betrayals, designs, desires, manipulations, schemings, thoughts and all such! So physics most definitely is **not** foreign and alien to morality, nor is the latter what we want to make of it!

And please believe me, at 76+½ I am **no** less unhappy than anyone truly caring about the state of our world! Today, it is *we "Christians" and Americans who wage wars and are messing up the world, instead of giving the proper example!* As already mentioned, for years I have been requesting that the top men of our *divided and therefore no longer truly Christian* churches (whom we shamelessly dare call "Fathers", and "Holy Fathers", and "Most Divine All-Holinesses", in *direct disobedience* to the Lord's admonition that we call **nobody** "father" on earth!) gather together, forget *all their unseemly arrogance* and deliberate on what is proper for *Christians* to believe about *the One Perfect God!* Let us all understand that *proper* respect is **not** transferable by claim of history to the man seating on this or that "See", but only as befits *his own personal*

holiness, and the courage to bear his cross by telling the world of our unpardonable daily sins! For years I have been requesting that the top churchmen thus become *truly Christian*, and then proceed to invite the leaders of *all monotheistic religions to a common table* to deliberate on the attributes of *the One Perfect God*, Who *alone* deserves our adoration! So that *all* the world, at last pay attention! What indeed, we all who claim to be *Christians* are afraid of and *refuse* to proceed thus? How is it that we fail to understand that by not acting thus, it is *we, more than all the rest*, who profane the All-Holy God, and make it difficult, if not impossible, for non-believers to believe?

I am sure that this sort of response was definitely *not* what you expected when you called for a discussion among moderates of the entire gamut of issues we are called to face, *if* we are honest, in our basically *intellectual* pursuits! Kindly recall that we have been asked to love our God "... and with *all* our intellect"! As each one of us, *whether or not he confesses it or even is conscious of it*, truly selects his own *faith* in his "God", is he sure that he does love him with *all* his intellect? What then must he do when he finds that his own searching intellect *exceeds* the limits he has set for his "God"? Conscious of his limitations, on account of which he keeps on pursuing ever more knowledge, has he not the *honorable* duty to set his "God" *above* his own limitations? Where? Just only one step or two above himself, that he will exceed pretty soon? Or up to the utmost imaginable limit, so that he gets done once and for all with re-setting his "God" ever higher? Isn't that truly both *the honorable and most intelligent* thing to do? If we all do that, how long do we think it *shall* be before we all realize that we all worship the very same *True God*?

I fully understand the limits within which even the very top-notch professors have to operate. Their salaries are paid by those who expect to make a huge profit from the professors' activities. Do we realize that even on the Nobel prizes are attached cheques exchanged for money, originally made on the sales of dynamite, that and all the other explosives that followed it has/have been and are still being used for good *and* ill, and are to a large extent tainted with blood? So that, therefore, those who have already gotten such, or still aspire to such a "distinction" have *surrendered their freedom of truly free speech and thought*? Surely, this fully explains their silence on the truly heavy activities that daily crush the Spirits of men and women! *This* must be the reason for the lack of concerted talk from them on the huge issues facing us! The little talk is for the fashionable salons!

Back in early 1969 I was offered a position at a teaching university, the point being made that I would not have to chase after grants given for research projects. I got terrified both of the tremendous responsibility of having to form to all possible perfection young trusting minds, and of the inability of continuing to do research when so much still remains to be *uncovered* and well learned by us all. I chose the agony of pushing back the frontier of ignorance! Being able now to put down all this, I think I made the better choice. I cannot regard little that I managed, I *think*, to show that behind the universally fundamental law of gravitation there hides the Creator, the *Purposeful Demiurge* of all this universal beauty, Who humbly *insinuates* Himself to *be*

behind that basic law in order that He remain totally non-oppressive of our freedom (kindly remember that even Einstein, a non-believer in a Personal, pure Spiritual God, has called "... den Herrgott nicht boshaft!"), Who *cannot* however deny His Justice that *is an inseparable part of His Being*, in order to accommodate our every profane whim! If I am shown to have been wrong, when so far I have not been, I shall take it with gratitude, for the reason that there is still greater perfection than the one I have written about. *No* little reward!

I feel indebted for your call for a moderate discussion! This is the longest letter, indeed article, I have written in my efforts to draw attention to my www.thefreegpslibrary.edu.gr website, where the details of my findings and related efforts are offered free, *yet not for profit by anyone!* I truly wonder whether a publication out there can be found willing to stir the stagnant waters by accepting it [and telling of its existence]!

If you feel (and declaring yourself moderate, I fail to see how you can feel otherwise) that this is material worthy of seeing the light of day and grabbing the attention of *moderate* people *truly thirsty in our present spiritual desert* that we dare call thinking society, do please let me know; especially so if, *in addition*, you can truly help find an outlet, through which *all that thirst can be quenched!* Working totally alone has its benefits, but also its huge shortcoming of being cut off from those who truly pull the strings and control the presses.

With my Christian even if somewhat late wishes for the New Year,

GPS—

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23. Re: Debating Theism vs. Atheism (Appended Footnotes).

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Dear Professor de Waal:

I want to thank you for your kind reply to my e-mail of Jan.20, 2011. Sensing that that letter was getting to be much too long, I decided to exclude two items from it that for completion's sake ought to have been included even as long-winded footnotes:

The first refers to the theory of relativity, that some may think that I dismissed it without even mentioning it by using the statement "Everyone who has gone at all to high school understands what this means" on top of page 12. The second refers to the theory of quantum mechanics that I treated it in largely the same way in subparagraph (e) on the same page. I now find that I owe you a complete explanation of what I meant, before subjecting you to the labor of going through my website:

Please, open the following pdf for the full footnotes text:

Greetings.
GPS—

COMMENT: Here follows in text form what was appended to this letter in pdf form, here avoided as it opened as an inconvenient window of text within text:

Footnote 1.

As regards the theory of relativity, what I really meant is that every high school student knows that the velocity of light is today regarded as a forever fixed universal constant (*not* that they understand the details of what this implies for today's physics). Which **can no longer stand in the face of the incontrovertible fact** of equations

$$R = [(9/2)GMT^2]^{1/3} \quad \text{and} \quad c = dR/dT = [(4/3)GMT^{-1}]^{1/3},$$

derived directly from Newton's law under constant G and M! These equations and the dimensional analysis that produces them is what is being suppressed since 1986; for the reason that it is on the *presumed as a universal principle that the velocity of light is constant* that the special theory of relativity was constructed as the *necessary* first step to the construction of the general theory. But the special theory carries with it as an inescapable corollary the concept of travelers getting younger, as a result of traveling and in proportion to their speed, on which notion so much has Hollywood made!

Consider: even the name "relativity" is *prima facie* gratuitous. It ought to have been "referentiality", as in matters of science and physics we **must be both accurate and precise**: simply because that whole theoretical edifice refers to the *appearance* of the world as it is seen from and it refers strictly to another **totally independent** system of coordinates **totally unrelated** to, i.e. **independent** of, the original one! Now then, consider the problem of the twins, one of which travels away and later he returns. The theory claims that he returns **objectively younger** than his based-at-home brother. So here comes the inescapable snag: What if the traveling twin unbeknownst to his brother so adjusts his velocity vector that as referred to the moment of his departure, it be the *exact vectorial opposite* to the velocity vector of his at-home-staying brother *relative to the center of the galaxy*? His "return" will take quite some time, but now *who truly* returns? Doesn't the "traveler" stay **truly motionless** relative to the center of the galaxy, and isn't his home-based brother who truly traveled? (Here for simplicity, we do not consider the *additional* effect of universal expansion which was unknown both in 1905 and in 1916.) On what *solid* objective grounds may the at-home-stayed brother consider his twin younger? And on what similar grounds may the "traveler" consider *his* twin younger? Did they not part at a **certain** age of the universe and did they not reunite at a **certain later** age of the universe? Isn't the latter minus the former age **identical** for them both? Here we are **not** talking of biological or mechanical effects due to traveling, *that we still cannot and have no idea how scientifically to evaluate*, but strictly of **true absolute** time differences! Consider that this is *not* the only way that the special relativity theory falls down flat on its face! It is in its nature to produce many similar conundrums!

Nor is the above the only prime example of **determined refusal** to consider the objective hard facts:

Consider first: Both of Einstein's relativity papers had been published well before Hubble's finding that the universe expands. But still, how it exactly expands has *not* been adequately addressed: Are only just the distances between

the celestial bodies observed by astronomers increasing, or are *all* bodies down to the Democritean atoms *and* the distances between them increasing, as *all these truly are* celestial bodies? As unquestionably the second option is the greater generalization permitting no favoritism, then *all* bodies expand, becoming ever "whiter holes", following the greatest ever white hole which was the entire universe at the exact moment its expansion began, that only an infinitesimal moment earlier, *if* such a moment can be accepted to have existed, was the only "black hole" we can at all name! So, without proper consideration of the law's of Newton ancillary consequences we are still searching the black night sky to discover in it "black holes", i.e., bodies going against the "fabric of universal expansion that are unseeable *both* as a result of their supposed nature and for the need that we search for them in the dead black of the deep night sky! To which we lately have added the additional worry lest we discover one in the CERN supercollider! Not very wise considered on the whole!

Consider second: In his original paper on general relativity, Einstein declared that

"It is not my purpose in this discussion to represent the general theory of relativity as a system that is as simple and logical as possible and with the minimum number of [*unevaluated*] axioms; but my main object is to develop this theory in a such a way that the reader will feel that the path we have entered upon is *psychologically* the natural one and that the underlying [*unevaluated*] assumptions will *seem* to have the highest possible degree of security".

In this, only the material in the brackets and all other emphases have been added in an effort to make absolutely clear to today's deeply concerned reader the exact spirit in which Einstein undertook to *rewrite as it were the structure of the entire physical universe* so that *it* comply with *our psychological* inclinations!—As if *our psychological* inclinations can determine the structure of the universe!—As if that is not the most licentious presumption set down on paper by *any* mortal ever!

We *must* question the psychological forces that pushed Einstein to this whole conception: I *cannot* honestly see another than the fact that he could *not* determine another good reason on which to make an argument to the effect that *every* view, regardless of the "system of reference", whether political, racial, religious, scientific, or social be regarded co-equal to any other similar to it! He surely was *not* oblivious to Galileo's travails; whose findings collided with the then Pope's view that the earth was the center not only of the solar system but of the entire universe, so that *he, the Pope*, be at the absolute center of universal attention, even if only slightly off center, as he could *not* figure "His own Holiness" to be at the exact center of the earth, already known to be a sphere! At least, however, the Pope had his own *ecclesiastical* claim to consider, *not* just his *psychological* needs! I suppose, Einstein's friendship with Freud *must* have had something to do with it all! Which, however, made him truly oblivious to another physical *universal* effect afflicting *every* observer: Imagine everyone of us going hither and thither: Staying always at the center of the universe regardless of our motion means both that *we all carry and suffer the drag of the entire universe*, in full face of the *hard fact* that the universe *cannot* have so many centers going simultaneously hither and thither, but *only one and motionless*

center, as there is no physical way or any reason we know of for it to move at all in space as a whole!

OK!, it was in an unguarded moment of human sincerity that even Einstein, a non-believer in a personal spiritual God, uttered the famous phrase "Raffiniert ist der Herrgott, aber boshaft ist er nicht!", but what does all this now make of all those who following Einstein in his *psychological* generalization of "Relativity" now apply it universally to *everything* we utter and do without regard to absolute Truth? Clearly, neither the Lord God in Heaven, nor any lesser "god" of some self-consistency can sustain such *crushing inconsistencies!*

Footnote 2.

And as regards the theory of quantum mechanics, please allow me the following remarks: It holds the principle of uncertainty/indeterminacy as ruling the physical activities of the micro-world at the level of the quanta, out of which the **certain and determinate** macro-world is built. Yet, stubbornly, despite the thus **clearly inadequate** theory, the physics professors **refuse to explain how from the cause of the uncertainly/indeterminately acting quanta the certain and determinate world at large, that also contains their own highly self-esteemed brains, results as an unquestioned effect!** How do their own thoughts, according to them due to *physical cerebral* activities, get stuck in their heads unaltered by night so that they continue to carry on their thoughts come morning? Kindly remember the total havoc within the Planck cubicles, being "redone" every Planck "timicle"! It was *not* for nothing that Einstein could not stand the thought that ultimate Refinement **cannot** allow itself to start from indeterminism in order "somehow", totally mysteriously, by **pure** chance, to end up standing in perfect determinism, for which *sufficient* reason he abandoned *all* work on quantum mechanics. Nor that Dirac called for the need of an **entirely new** quantum theory, given the great number of weaknesses of the present one!

The quantum theory started with Bohr's "interpretation" of the spectrum of the hydrogen atom: He conceived that atom to consist of a proton and an electron in the fashion of the astronomical model of a star (here the proton) having a single planet (here the electron). Both the proton and the electron are being believed to have diameters of 10^{-13} cm (a size still beyond even our present capabilities of exact measurement!), when the hydrogen atom has a diameter of $\sim 10^{-8}$ cm. This is fully analogous to the Earth circling about the Sun to a distance 100,000 times the Earth's diameter, namely to a distance of about 4.3 times its actual distance from the Sun!

So thin a dipole by no stretch of a willful imagination can be likened to a *real* physical sphere, as in fact the hydrogen atom is measured from at least crystallographic studies. Not even in its real distance from the sun can the earth prevent a body to fall on the sun from all directions in which the earth **cannot** stand as an obstacle!

But the electron protects *spherically* the proton! Under the electron microscope, all atoms appear as fuzzy spheres, and structural chemistry and crystallography consider the atoms as spheres. Are we to abandon all that *well established* knowledge, that can and *is* salvaged under Lorentz's suggestion that we

treat the electrons as hollow spheres? This problem was *said* "solved" by the *forced* introduction of the notion of the electron ***supposedly jumping indeterminately*** hither and thither and producing a so-called "electron cloud", as depicted in so-called "probability space" diagrams. However, *not in all* its quantum states does the electron manage to protect the nucleus *spherically*! Strictly speaking, these diagrams represent solutions of Schrödinger's *said precise* wave-mechanical mathematical theory, according to which the electron ***is believed*** to behave, yet in a ***physically still unknown believed unknowable*** way! Even before that development, Bohr *assumed arbitrarily* that the action of the electron during a *single* circumnavigation about the proton has the size of Planck's unit of action h , which has been preserved as such in the so-called "new quantum theory", though in a way that is no longer physically clear given the haphazard way of the electron's motion!

The suggestion of Lorentz that the electron be conceived as a hollow sphere has been ignored. Also ignored has been the *hard physical fact* that the *rate of change of the moment of inertia* of a hollow sphere vibrating spherically symmetrically about a middle radius (and thus producing the fuzziness observed under the electron microscope) indeed has the physical dimensions of action! Once these concepts *are seriously* examined and compared to the *observed* absorption spectra, it is indeed demonstrated (a) that the electron ***truly is a vibrating physical-geometrical structure of the size of the atom that does not need*** all that mental concoction that to date passes for quantum theory, and (b) that nature *truly* recognizes action, yet not in the way that up to now quantum mechanics make use of it. Before them, Planck, a former believer in classical mechanics that had not yet recognized in its development the *physical necessity* of action, *forced himself* to admit the unit of action h that bears his name following his studies of the black body radiation. His work thus showed the need to accept action as a physical necessity; but only after also adopting Lorentz's suggestion does it become unquestionable that *classical* mechanics truly controls the operation of the electron within the atom!

The truth is that following the suggestion of Lorentz, a new body of knowledge ***resolving all the ambiguities*** present in the still acceptable quantum mechanics ***has been produced***, which, however, the physics establishment has chosen to suppress since 1986 when it was presented to them, that *would satisfy both the classical mechanics and Dirac*. (See: Principia Physica Universi in: www.thefreegpslibrary.edu.gr).

The Greeks would have none of the current quantum mechanics, *not* only as a matter of inadequate knowledge or obstinacy but as a matter of *more than diamond-hard Logic that forbids a direct effect clearly opposite to the very Nature, Logical desire and Logical Purpose of the Cause that produced it!* To the Greek mind the presence of indeterminacy and uncertainty as a foundation of the **determinate** world is a **direct blasphemy** aimed at Zeus, unthinkable in the Logical terms (as they then could be understood) of Plato's Timaeus! Arrogantly, we today swallow up *just that* Logic and seem satisfied with theories that in effect insult *both that Logic and the Physical World* we supposedly study, of which we too ***are working and thinking*** parts, yet till now not realizing that

we function *both* as **determined** objects of the physical world *and* operate as **free and willing actors** of a **mental** world!

Just imagine: As I asked above, how is it that the brain of quantum mechanics works consistently *day after day* to produce their theory *supposedly based on uncertainty and indeterminacy*, yet *it does not ask itself* how it does it, which is a question that they first of all ought to have satisfactorily answered before presenting their theory to the world? If they could get no answer and chose to say "it is all the result of pure chance", they owe it first to themselves and only then to the rest of us to calculate the chances of this happening so, just as I have made an effort to that effect, as shown in item 9 (the 8th Book of my Free Library) pp. 562 (560) to 572(570). And if they say "that is not good enough" and choose to go further back in "time", so too must they confess do the probabilities based on chance *become ever smaller* for the universe to keep on *coming and staying* as we see it to develop under law! In addition to the **fact** that time, *as far back as physics is concerned, must be seen as a characteristic property of the universe*, and so *it* too is subject to Newton's law and the findings based on it. So that "time" as we understand it *may not* **Logically** be conceived to extent backwards to infinity! Which *truly forbids* us to ask what happened physically *before* the universe came into being!

The Greeks, realizing fully the predicament of our state, that we are *both matter and Spirit*, as it could then be understood, on which subject we have *not* made any progress at all, resolved to believe that as their, and still even our present inadequate ideas did and do not fully suffice to explain the world, because the world *functions with unquestioned certainty*, there **cannot but exist** a realm in which the **Perfect Ideas** reside and from there they tightly control the **certain** world, of which Ideas, our own ideas are but fuzzy and clearly inadequate copies. Thus this failure of quantum mechanics is, I fear, a mere pedantic transference of responsibility! We transfer the blame to the universe, and from there to its Creator, Whom we then proceed to declare nonexistent, and ourselves innocent, blameless, sinless! Definitely, NOT a manly performance! Especially when performed and passed on to the following generations *ex cathedra*!

COMMENT: Professor de Waal *never* commented on all this!

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February 8, 2011.

24. Re: Letter to be forwarded to Elder Dallin H. Oaks.

The Lord Jesus Christ Church of Latter Days Saints

Gentlemen:

Reading the LATimes article on the latest book by Mr. Donald Rumsfeld, I, somehow, came across the script of the speech Elder Dallin H. Oaks delivered at the Chapman University School of Law on February 4, 2011 on "Preserving Religious Freedom", and was very much satisfied with what he said—at least the first about one third that I read of his speech, that I stopped reading in order to send you this letter.

Unquestionably, the moral affairs in *all* human societies are today at a very low ebb indeed. One *would be dishonest if one did not confess* that this affliction is particularly evident in so-called "Christian" societies, for the *fact of the very highest standards* the Lord has placed upon us all who believe ourselves Christian yet do *not* love the Lord with *all our intellect also*, that alone can guide us safely to what is *truly proper, correct and complete* for us to believe as regards the Lord, and *accordingly* to act toward each other!

Because the laxity of moral standards *is inversely proportional* to our *proper* belief in God, their *continual and accelerating* relaxation *is* the surest-fire weapon available to polemical atheists, hiding under honorable titles in all formerly respectable professions and positions of honor and responsibility, from which they *supposedly* fight for our freedoms, when in fact they only want to ensure our total enslavement, that *shall be complete when we completely cease* to believe in God!

Now being 76+½, I have for long decades fought against *unbelief* passing for "belief", not just by ordinary people, but even by priests and bishops and philosophers and professors—the latter including Nobel laureates! Without alas, tangible results as *they all* diligently avoid putting anything down on paper by

way of reply, *that would expose them*, preferring instead the total silence!

Noting that Elder Oaks is a man of the Law and has even functioned as a judge, I would feel indebted if you would kindly pass this message to him for his consideration, and, if he should feel it proper, to let me have his reply. The matter is that we *blaspheme* the Lord God if we, supposedly piously, continue to believe that He has not provided *scientific proof absolute* of His existence! To believe in the opposite is to charge the Lord for *maliciousness, no less*, for the fact that in the absence of *just such proof* He obliges us *in effect to toss the coin* of belief/unbelief, and to be saved if we should be lucky enough to get "heads" to come up! That we have not recognized *just that proof* is solely due to our *imperfect and indolent intellect* that we have *not* applied to the search for *just that proof*!

Elder Oaks need only consider whether there is or can be *any* law to his knowledge that does not, *by its presence and absolute application*, imply *unfailingly* its own lawgiver! This inescapably being the case, this question arises and demands a *clear and honest* answer: **The universal law of gravitation, whom did it have as its own lawgiver?** Man-made laws affect the human affairs, and lawmen spend their lives examining man-made laws in an *arduous effort to avoid conflicts* of law! I, as an engineer/scientist, have asked and satisfactorily replied the question pertaining to the *universal* law of gravitation, from which *absolutely nothing* material escapes! The *proper complete dimensional analysis* of Newton's law debunks both the theory of relativity and the quantum theory, and provides answers the professors of physics have come nowhere near by their methods and theories!

(a) The theory of relativity has crossed over (*as it was intended to*, for seeking to satisfy the *psychological* needs of the reader—A. Einstein, no less!) to *all* human affairs, making everything "relative"! So, God goes out!

(b) The quantum theory, based on the *supposed-to-be-physical* principles of indeterminacy/uncertainty (which *are only man-made* hypotheses!), implicitly expels God, Who even according to Einstein (a *non-believer* in a *Personal God*) does *not* play dice!

(c) And as for the theory of evolution (or, more accurately, the theory of the survival of the fittest, i.e., of the man who observes no moral scruples in the pursuit of his desires and sick dreams), given the *total obedience of the entire universe* to the concomitants of the law of gravitation, it becomes the *proof of the most meticulous design of all living species each made to serve God's ultimate purpose*, through the coming and sustaining in life of us, whose duty is to discover and serve God's own purpose, that we *cannot* do without the *full* application of our intellect also, and not just of our sentiments!

So, if Elder Oaks, both as a believer and a judge, feels all this to be of some interest to him, please let him consider sending me his e-mail address so that I can send him all the proof he may need in deciding the "case"!

Most sincerely,
GPS—

Original speech appeared in:

<http://beta-newsroom.lds.org/article/elder-oaks-religious-freedom-Chapman-University>

COMMENT: There was no reply.

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February 16-21, 2011.

25. Re: Participation in a Public Discussion.

Posted in:

<http://www.examiner.com/freethought-in-philadelphia/local-atheists-respond-to-huffpost-rabbi-s-open-letter#comment-14434571>

Dear Atheists, Agnostics, "Believers":

You need only consider whether there is or can be *any* law that *by its presence and absolute application* does *not unfailingly* imply its own **pre-existing** lawgiver! Man-made laws affect human affairs. Lawmen *arduously* spend their lives examining how *to avoid conflicts* in law! In this light, a **solid** fact demands a **clear and honest** answer:

Fact: The law of gravitation is universal; from it, absolutely nothing material escapes!

Question: Whom did the law have as its own lawgiver?

Before building anything, engineers apply their intellect to the task before them. If the world were built, ***an Intellect could not but have applied Itself to that task before It!***

I, an engineer/scientist, have without presumption satisfactorily asked and answered the question, using the **never failing complete dimensional analysis** of Newton's law! The findings **debunk** the theory of relativity, **and question** the foundations of the quantum theory determined wanting by both Einstein and Dirac! **The findings presented to science in 1986 have not been overturned and are still being suppressed!**

All current methods and theories have ***come nowhere near providing the answers the dimensional analysis gives!***

Forgetting ***all*** prejudices, please ***study*** the website included in the letterhead, and let the world know!

Comments, and ***if there exist solid disproof are welcome!!!***

GPS—

Reply by
Noble Baker:

You are making a category mistake. Law is a word that can have different meanings (6 according to Merriam Webster online). In this case you are referring to human laws in one case: "a binding custom or practice of a community: a rule of conduct or action prescribed or formally recognized as binding or enforced by a controlling authority". There you have a lawgiver, a "controlling authority". In the other case you are referring to laws of nature: "a statement of an order or relation of phenomena that so far as is known is invariable under the given conditions". This does not imply a lawgiver; it is simply an observation of the way things work. Consider that it is possible to disregard human laws, but it is not possible to disregard laws of nature.

Reply by
George P. Stavropoulos:
Dear Noble Baker:

If you are referring to my comment, please note that we are not slaves of what past dictionaries defined, but are free to consider the objective hard facts, APART from theories and hypotheses: A law is a law, and as such it implies its author, known or unknown it matters not. The crucial question is: who instituted the laws of nature—in ALL their mathematical stringency? Surely the Democritean atoms did NOT know mathematics, nor did they convene in congress to institute the mathematical laws of their future behavior! So, WHO made them behave according to Law? The analysis of Newton's law and the observed hard natural facts show that the universe behaves in exact recognition of its own UNFOLDING FINITE age! Thus, the law it obeys WAS PRIOR to its zero age, whether we like it or not!

If you have the training to think both as a STRICT Logician AND a Scientist, kindly consider thinking afresh! We have NOT been taught all we need to know in the strictest of terms! Leave the trodden path and study my website!

GPS—

Reply by
Noble Baker:
Dear GPS,

You might want to read my reply to you again. Why is it possible to disregard a human law but not a natural law? Doesn't that imply that they are different? There are many words in English that can have multiple meanings. Maybe this is not the case in Greek. That might be the source of your confusion.

I did try to visit your website but it does not seem to work.

Reply by
Ben Tousey:

Many years ago I watched a documentary on people who still believed that the moon walk was a hoax. I remember in particular one man who told the interviewer, "You will never convince me that the moon walk was real."

This is the challenge with most “believers.” They believe because they want to believe and for no other reason. To take their god away is to take their worldview away, and they’ve invested so much of their life into it that they refuse to let it go. Therefore, they must try to defend it, no matter how silly their arguments.

This isn’t a logical debate. If it were, I suspect they’re be a lot more atheists or agnostics. If nothing else, those on the “pro-god” side wouldn’t be so desperate to defend their beliefs even against observable science. It’s an emotional debate. Those who still cling to god do so out of fear, which is visible in many of their arguments. They fear being alone in the Universe. They fear that there isn’t someone to run their lives because they feel out of control.

They fear that if they get it wrong there will be punishment forever. They fear that on their own, they can have no purpose. Basically, they fear being alone (or being on their own—I call it—growing up). Most of their arguments are simply a list of their fears.

Reply by

George P, Stavropoulos:

Dear Noble Baker,

You and all please forgive me! The mistake truly was wholly mine! My CORRECT website address is as NOW shown above!

I read your first reply again! I request that you begin thinking afresh! Human laws ARE subject to OUR free will. The Laws obeyed by the Universe are NOT! Newton did NOT institute the law of gravity, he only discovered its controlling ALL matter! What the correct dimensional analysis of it does is showing how truly intertwined are ALL mathematical laws, physical properties and complete constitution of the material universe. All this demonstrates Intelligence having had been at hard work BEFORE the material universe came into being at age 0, that marked the beginning of PHYSICAL time!

If you will, send me your e-mail address and I shall send you additional introductory material showing what current theories swallow up unchewed!

Dear "Believers":

God is everywhere! So, He is in Hell too; or, rather, it in Him! His Love soothes and refreshes, or burns, according to how WE stand before the Truth, which it takes Courage to face and to love! Most priests choose to scare you, not to make you stand tall and erect, both in body and intellect!

GPS—

Reply by

D'n:

Stavropoulos...Just no.

A scientific "Law" is not an order or a command. If it was an existent thing (like a legal "law" is) then you would run into the dualistic paradox where two unlike things (Laws and physical entities) are unable to interact. The Law is a description which was created by man. The process is inherent to the physical makeup of the constituent entities. The fact that two puzzle pieces fit together

doesn't mean that there is a law of puzzle pieces that forced them together. It is merely the intersection of two physical objects that have well recognized physical properties (such as mass).

The only grand mystery is why people come up with such inane ideas as divinely commanded laws which force the universe to behave according to the rules.

Reply by
George P. Stavropoulos:
Dear D'n,

Kindly confess, if you truly have the wherewithal, that there is a crucial difference between a "scientific law" and a Law of Nature. I am talking ONLY of the latter! And I dare ask "WHAT ARE ITS FULL ANTECEDENT AND CONSEQUENT INTELLECTUAL, LOGICAL, MATHEMATICAL AND PHYSICAL SOURCES AND EFFECTS, as the case may be"? Intellect, Logic and Mathematics are NOT products of chance or indeterminacy!

Kindly consider not exposing yourself by demonstrating ignorance of the related matters, confusion, denial of inescapable conclusions, fear of asking, fear of learning, denial of having been misled, ignorance of the power of the dimensional analysis of scientific equations guaranteeing both their own correctness and the correctness of their consequences!

If you have the courage to learn, just open the website and STUDY! Anything else is desperate obfuscation attempting to pass as knowledge! All those who have been challenged since 1986 and have found no counterargument to do them honor, are not fools! They simply hide in their own silence! Having found that their boat leaks badly, tremble at the thought of rocking it, lest it sink with them still on it!

Do yourself the honor not to stand by them!
GPS—

Reply by
Ben Tousey:

"Intellect, Logic and Mathematics are NOT products of chance or indeterminacy!" But they are constructs of human thinking. Humans measure intellect based on purely arbitrary measures, such as how well you can read and write (human language), how well the individual can recognize spatial distribution (a human construct), how well an individual can memorize facts and figures (also human). By our human definition of intellect, Albert Einstein was told he would never amount to anything. Logic is also a human construct. Logic is defined partly as "reasoning." Well where does that come from? We "reason" how the world around us works, but it still comes back to an individual approach. We defined what logic is, how it functions, and how it applies to all of our disciplines—then we teach it to the next generation, adding new insights from our own experience. Mathematics is simply how humans measure and describe their universe. While the principles or functions of mathematics are universal, the "definition," or the description is human. Even in mathematics, it's all based

on human input. $2+2=4$... supposedly. However, if I have two apples, and I add two oranges, do I have four apples? No. But I do have four pieces of fruit. So what $2+2=$ is still subject to human definition. So even in mathematics, there's an element of human construct to make it work.

Everything you've mentioned here is purely human in construction and whether or not it needs consciousness to function is still being debated. The Universe functions on its own without any outside help. In about seven billion years when our own sun swells to swallow us and then implodes upon itself, the universe will still be expanding on its own, without us telling it that only god can make it do so.

So you're right, they not products of chance. They're products of human thought.

Reply by

George P. Stavropoulos:

Dear Ben Tousey,

That we are the ONLY species we know possessing and using Intellect, Logic and Mathematics does NOT logically make us the unique possessors of them! But what really are we? Materially, what other than a collection of the ultimate Democritean atoms arranged in a PARTICULAR pattern? Would you insist that Intellect, Logic and Mathematics are qualities of the Democritean atoms and the products of chance and indeterminacy? Or that WE are mere chancy and indeterminate assemblages of those particles? Is it not beyond dispute that we largely believe that this happens by chance and indeterminacy? If not, how is it done if not by LAW, that WE have NOT instituted? Would you say that the original Democritean atoms convened in congress and agreed that some of them get so arranged as to produce and reproduce our pattern that we observe? Would not that constitute a Law seeing to our being as we are? Would you not agree that laws see to desirable objectives? What then will you say was the exact ultimate objective of the Democritean atoms that convened in congress in order to bring us into being, so that through us that objective be attained? Are you really prepared to assign to Democritean atoms qualities they CANNOT POSSIBLY have, that you refuse to assign to God?

Besides, the Universe, of which the Democritean atoms are its basic constituent parts, HAS a CERTAIN age. Before its age zero, it simply did NOT exist! What, then, brought it as a whole into being? The "energy of the field"? But these are concepts WE HAVE DEvised EX POST FACTO in order to "explain" the Universe! So, we may NOT use them as the ANTECEDENT CAUSE of the universe! In order to avoid any antecedent cause, you are obliged to accept the universe as having always been there, of having an infinite age! But you forget that what we call the law of gravitation is the one side of the coin, other side of which is the law of the expansion of the universe, moderated by its self-gravitation! Even so, if the universe has always been, its age is already infinite, and accordingly, it ought to have had already dispersed into the bottomless abyss where NOTHING can be seen, let alone intelligently converse!

If you can intelligently resolve all these matters without the ANTECEDENT

CAUSE we simply call God, I will tip my hat to you!

Confess that our wellbeing (for which we seem to care exclusively, which hardly distinguishes us from all other animals except for our still under-developed intellect!) must be spent to achieving an objective consciously set higher than at the level of animals, that coolly seen, and left on their own, produce only feces!!! Can just that be an acceptable objective for a civilized(?) human society?

Reply by

Ben Tousey:

First of all, George, I don't know what you mean by "chance". It's taken billions of years of evolution to get us to where we are at this point. That's not chance per se, that's a lot of trial and error. A billion years gives nature a lot of time to tweak it's product.

And finally, if we follow your logic, the only conclusion we can arrive at is that god, however you define it, was also created at the big bang. Nothing existed before the big bang, not even god. Therefore, if there is a god, it was created at the big bang and is itself a product of evolution.

Reply by

George P. Stavropoulos:

Ben, as I open the computer, I find your comment (posted 12 hours ago) following the FIRST part of my answer to you. So, you MISSED the second part of my answer posted 16 hours ago, and only 3 minutes after the first part!

You say you miss my meaning of chance. You have not read the pertinent articles in the "Encyclopedia of Ignorance", nor my analysis (in one of my books offered in my <http://www.thefreegpslibrary.edu.gr> site) of the method of R. Dawkins as presented in his "The Blind Watchmaker". The method of trial and error implies that the evolutionary process has an UNKNOWABLE and thus UNCERTAIN objective "in mind" that it does not know how to construct once and for all, but SOMEHOW at each step SELECTS (i.e., LOCKS ON) a particular result on which it PREFERABLY continues building! HOW does it know how to make THAT selection by which an UNKNOWABLE and thus UNCERTAIN objective can be reached at some UNKNOWN future time? Very many lower animals have been around very much longer than we have and are doing O.K.! So, they MUST be judged MORE adaptable than we are! For WHAT purpose are we needed for evolution to construct US? And where are the fossils of all those innumerable trials that did not make it? Confess that without an objective, the trial-and-error method has no place, and the "coin" IS AT EVERY STEP TOSSED; so, there can be NO "locking in"!

Ben, Also please read the "Physics Has Its Principles" in <http://www.metaresearch.org/cosmology/PhysicsHasItsPrinciples.asp>, discussing the Causality Principle.

Greetings!

Reply by

Ben Tousey:

You could also read *The Spiritual Universe* by Fred Alan Wolf Ph.D. He's a physicist that claims that the reason we're here is because of "spirit's" or the "universe's" addiction to matter, and therefore out of the Dirac sea it must constantly manifest. He's got enough physics behind him to at least make a valid point.

As to fossils, what do you think dinosaurs are? We have tons of evidence of things that nature threw away. You can step into any museum and see evidence of nature's past attempts.

Before I would read your analysis, aka your book, I would first have to check out a couple of things. First of all, your credentials. What universities have you taught for? Has your work been peer reviewed? What research have you done? What does your bibliography look like? Are you a scientist or a fundamentalist trying to prove a point (despite what ID says, you cannot be both). Those are all things I look for when I pick up a book. Since I am not a physicist myself, (though I do have friends who are) this is how I assure that I can trust the books I'm reading.

Reply by

George P. Stavropoulos:

Dear Ben,

It saddens me that you do not read carefully: Face it: It is either Law or Chance, and NOTHING escapes, even the in-womb processes! Where are the fossils of the ABORTED monstrosities, even those of dinosaurs? Where are the (FAR FAR MORE than us perfect specimens) MALFORMED humans that somehow can still walk the streets despite the in-womb accidents they suffered that were not life-critical? So, where indeed hides Chance? In its absence we only have LAW, AND some rare accidents TO REMIND US what is normal, i.e., under the LAW, that implies LAWGIVER, no but or ifs!

I do not waste my time reading science fiction; I prefer to question and think through every word, to fit it in the unquestionable hard facts! I do not trust-believe books others tell me to, until after I find them to contain no self-contradictions AND to agree with the hard facts, NOT with the suppositions of the "famous"! Consider: The Nobel money rewards ARE bloodstained! Think of TNT! The main interest of the "peer-review process" is to ensure that the fame of those on top is NOT shaken! It is just another Inquisition! How different is that from the internal mafia operations? You do NOT get to be a professor when suspected to rock the boat, and you ARE dismissed when you do!

Credentials? Who accredit them? The Inquisitors? Do you still trust them? Face it: the world IS IN DIRE STRAITS DUE TO ITS TEACHERS! Ask your physicist friends: were they taught to AVOID logical contradictions, ALWAYS to re-examine their assumptions, NEVER to confuse physical quantities and dimensionless numbers (of which BOTH Einstein and B. Russell have been guilty), and to conduct CAREFUL AND COMPLETE DIMENSIONAL ANALYSIS OF THEIR EQUATIONS? Ask them to apply it to Newton's Law of Gravitation and show you the results. Then compare them with mine!

Whom I have crossed swords with? Read the 7th and 8th books in my site! Note their WILLFUL evasions and absence of reply! As an educated man, you SHALL understand more than you think! Caution!: Be honest with yourself!

I am GOOD engineer, always questioning the safety and quality of structures and processes, physical and intellectual. I avoided and turned down opportunities to teach, spent all my life in research for a living and studied the material of the 1st book in my spare time, what I had of it! At 76½, I seek no money from this effort, hate exploitation of it by others seeking benefits for themselves, seek no fame; only that I do all I still can to help others see at last the lies still being told as the Truth, whether from the "scientific" or the "religious" camp!

This cannot go on as so far! When you have something CONCRETE, send me an e-mail!

Fair-and-fare well,

GPS—

COMMENT: As regards Mr. Ben Tousey's specific reply, here presented on pp. 107-8, I now find it necessary to add these additional words: Between the *pure mathematical definition* $2+2=4$ and the "what $2+2=$ is still subject to human definition" there is a world of *substantial* difference, that in many such cases is overlooked by people much too quick to express an ill-considered philosophical opinion about the *real* world, unless they *deliberately* intend to confuse others: *All pure numbers are substantial entities of their own kind*, and for that reason are *correctly also* grammatically signified as "nouns". But in a phrase such as "two apples" the "two" *is no longer a pure number, no longer a noun*, but a *numerical adjective explaining the quantity* of "apples" that *is the true noun!* Before one mixes nouns, adjectives and pure numbers, one still needs a *firm* basis on the significance of *both grammar and arithmetic*. The pure numbers, albeit of an *intellectual, not a material* nature are *also substances (and the best defined ones)*, *indeed far* better defined than all other so-called *finite material things, of the fully detailed nature of which we know next to nothing and confine ourselves to making theories about!* "Philosophical" materialists are the most prone to such seemingly "innocent", or else *telling* confusion!

As for the ease with which *determined* yet basically *ignorant believers in atheism* participate in public discussions adding nothing to general knowledge, one only has to compare their activity to that of the *cognoscenti* that prove unable to offer some *reasoned* rebuttal to letters sent to them, choosing instead to remain totally silent as even this book once more demonstrates, not realizing that they thus expose only themselves!

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March 7, 2011.

26. Re: Re-examining the Principles of Physics

MetaResearch.org

Dear Sirs/Ladies:

I have spent a great deal of time studying with the utmost care the article you have called "Physics Has Its Principles" and have found it needs a *drastic* revision, in view of the *very hard* facts the physical Universe presents. We *must* agree that we *cannot* force upon it *our* "Principles"! Our attempt to understand it by adopting some "principles" only exposes the state of our understanding under the light of the *age* at which those "principles" were thought binding on us. But *other* were the "principles" at the time of Democritus, *other* at the time of Ptolemy, *other* at the time of Galileo, and of course, *other* are today! And altogether OTHER are the TRUE PRINCIPLES the Universe functions under!

You cannot but *agree* that adopting a collection of "principles" and proceeding to spend untold effort and precious resources to seeing how well the *Universe* agrees with them is *not* the wisest way to go about it! Especially when the Universe has from *its beginning* hardly hidden the TRUE PRINCIPLES under which it operates! To discover them, we only have to conduct a *careful dimensional analysis of the unquestionably universal* Law of Gravitation, which though it carries Newton's name, it most certainly was *not* by him imposed on the Universe! *He* only *discovered* the Law's operation out there! *We* have to let the *Universe* tell us who truly was that made it obey the Law known as Newton's! *Arbitrary* assumptions, hypotheses and agreement of "experts" on "principles" *must* give way to the lessons delivered by the *careful dimensional analysis* of "Newton's" Law!

I take it that you have *not* chosen the name "MetaResearch" for any other reason but only to show your *dissatisfaction* with the *fact* that just as physics, as still conducted, *cannot* obviously supply satisfactory answers, you found that you *had* to adapt the term "MetaPhysics" to the situation we/you now mutely

confess that *we all are* faced with.

I, too, being already 76+1/2, have for a *very long* time been dissatisfied with this situation. What I have come up with is a Commentary on your "Physics Has Its Principles" and a Revision based on it that I could not but call "**The Universe obliges Physics to have its Principles revised**", both of which I here submit to you in pdf form *.

I only request that you give the matter *all* the attention it truly deserves, by comparing most carefully your original article with the Commentary, and then the latter with the more streamlined final article in which I have carefully retained the useful parts of the original text shown in Size 13, and the new material completing the view as I see it shown in Size 16. The "Notes" added to the top of each text are self-explanatory.

I, of course, shall welcome your acknowledgment of receipt and all constructive comments intended to perfect the final version of the text that *together you and I* shall find settling, at least for now, the *still unsettled* matter of our understanding of the *entire World* in which we all live. I do not mind telling you that, on occasion, I use strong language; but please believe me, NOT to insult, but to bring the Reader to confess at long last the *objective* Universal Hard Facts.

Most sincerely,
GPS—

* COMMENT ONE: As the e-mailed pdf forms could not be placed here as openable pictures, their original full texts follow this letter.
COMMENT TWO: This letter was never acknowledged as received, let alone replied to as to its content!

Re: Physics has its principles

'Physics is about everything one can see, hear or think about in the whole world. Mathematics is about everything!' - Michael Kroyter

Abstract.

Physicists and mathematicians have fundamentally different approaches to describing reality.

The essential difference is that physicists adhere to certain logical principles, any violation of which would amount to a miracle; whereas the equations of mathematics generally are oblivious to physical constraints.

This leads to drastically different views of what is, and what is not, possible for cosmology and the reality we live in.

*Physics that adheres to these logical principles is known as "deep reality physics",
etc..*

Note regarding the following Commentary:

In what follows: Reproduced in black and size 10 are original statements that continue to be true and some very minor changes thought to be better streamlining the language and the sought better understanding of the script. Reproduced in green and size 12 are stresses on the original thought needed to be made.

Added statements necessary to be made in the light of present knowledge are also typed in green and size 12.

Reproduced in red are original statements now judged to be incorrect. Statements commenting on them and indicating what is needed to be stated instead are given in blue.

Also typed in red are requests that statements indicated therein need re-examination in the present light.

References given in the original text here being revised, and new references now present in the Internet are retained in blue.

**This is a necessary
Commentary updating the
current statement of
"Physics has its principles"**

BY:

George P. Stavropoulos, B.Sc., M.Sc., D.I.C., Ph.D.

**Physics is only about everything one senses to be and
understands as objectively physical.**

**Mathematics is about everything that can be recounted and
measured.**

**Engineering is about everything that is or can be structured.
(By this commentator)**

Abstract.

*Each discipline has its own principles regarding how best to
describe the reality that is sensed.*

*For the description to be complete, a self-congruent understanding
of reality is needed.*

*Physicists, mathematicians and engineers have fundamentally
different approaches
to grasping reality.*

*The essential difference is that the physicists adhere to certain
selected principles that alone they regard to be logical, any violation
of which they regard as a miracle.*

The mathematicians construct equations regarding numbers as

well as "dimensions" and "spaces" oblivious to the possibility of objective physical existence of the mental "objects" they construct or the tolerance of the objective physical reality to accept those mental constructs as parts of itself.

The engineers worry about the total internal physical and mathematical congruence of all physical structures, without which the latter cannot possibly if at all stand and develop through time safely.

This leads to drastically different views of what is and what is not possible for cosmology and the reality we live in.

To the traditional physicists and mathematicians, this here attempted "interference" of the engineers may at first sight seem odd. Until one realizes that engineering started indeed with the first ever construction by human hands of the very first tool, that only later made possible the physical and mathematical considerations that eventually grew up to wholesome(?) scientific disciplines.

Only the physics adhering to the congruent principles of all three disciplines can be regarded as "deep reality physics".

1. Introduction

(I) It opens up with: "Something is wrong with science - fundamentally wrong. Theories keep getting stranger and stranger." [ref. 1; opening words of the Preface] This is certainly true of physics, which has backed itself into *real and logically unacceptable (not just only apparent) contradictions, including relativity theory, and not limited to quantum theory on account of which alone the observed contradictions have been labeled as "leading directly" to the dominant Copenhagen view that "there is no deep reality to the world around us"*.

(II) A reasonable person might ask, "What is the wrong turn that physics has taken to arrive at this predicament?" The answer proposed here is that physics has given up its *objective, being the study of objective reality, yet without in so doing adopting unverified or intrinsically unverifiable* principles. Instead, it has adopted intrinsic-

ally unverifiable principles. Instead, it has adopted *arbitrary* principles, and *on them* does it attempt to "explain" the objective physical reality. It also has too long consorted with mathematicians, who have no ~~such~~ principles *other than their own*. Mathematics obviously has considerable value as a tool for describing the world. However, a strength of physics historically has been the discipline it brings to mathematics by relating directly to nature. Forgetting this has surely been to the detriment of progress in physics. [This statement (here reproduced in red) is *not* correct! The correct statement needed to be made here is:] However, the strength mathematics brings to physics has surely been to the detriment of real progress in physics. Because, physics, without much success so far, still seeks through largely the same kind of mathematics to escape from originally thought acceptable principles that were in *hidden* conflict with each other! As the kind of mathematics still used in physics *failed* to resolve all conflicts, the physicists rather than starting ab initio as they ought, passed the blame to Physics, to *Physical Reality*, by calling it meaningless! This tallied with an *unconfessed desire to shirk off the also unconfessed moral responsibility* physicists feel for collaborating with political and other powers of destruction by which their activities are financed; most evident in times of war, and hardly less evident in times of peace spent in being ever ready for the next even more catastrophic war, as well as in "peaceful" activities that inevitably push to its natural limits the ability of the planet to supply ever more materials for ever more, said to be "economic development", that is anything but *economic* in the *strict original* Greek meaning of the term! **We may not rush to reject the propriety of this comment in the present article: for the very simple reason that physics has *not* been performed in the vacuum, but squarely within the wider social environment that provides it its support.**

(III) The present revision of the original statement of Principles seeks to recast the Basic Principles of Physics in a more acceptable form, in light of *incontestable* new demonstrations of fact. Let us stick to this form.

2. The Causality Principle

(I) Perhaps most basic of all the principles of physics is the causality principle. In its simplest form, it reads: “Every effect has a cause”. In more precisely, it states: “Every effect has an *antecedent, proximate* cause”. Let’s examine these components, and see why each is required.

(II) First, why must every effect have a cause? The answer is so basic that it essentially is a matter of definition. The “cause” is whatever makes the “effect” happen. If something in the universe changes (an effect), having no “*physical* cause” to make it happen, it is taken to be the logical equivalent of (magic, a miracle, or) the supernatural. Even then, we might think of the will of the (magician, miracle worker, or) supernatural being as the cause. **But in physics**, we are *not* referring to tricks or illusions, but to events happening without something **necessary** making them happen. Even the will of a powerful being cannot produce an effect without having **an objective and** the means to **bring it into being**. The “**objective**” *is* the **ultimate cause, and the** means typically involves force or energy in some form, **though not necessarily physically yet known, (or even physically knowable at all, when a powerful yet physically invisible being is acting)**. This point will be clearer when we examine the other two parts of the causality principle.

(III) The original article of "Physics Has Its Principles" had a glaring omission: it did not at all mention quantum theory, except only indirectly in its Introduction the first paragraph of which stated "Something is wrong with science - fundamentally wrong. Theories keep getting stranger and stranger." [ref. 1; opening words of Preface] This is certainly true of physics, which has backed itself into apparent contradictions, leading directly to the dominant Copenhagen view that “there is no deep reality to the world around us”. The 1.(I) paragraph of the present Revision does not in the least correct that omission. For, certainly, squarely within the domain of the Causality Principle falls the question of whether or not *any* cause can produce an effect *exactly contrary* to itself! In the case of Physics, the question is made specific in the form of whether or not a *purely physical* cause (such as the uncertainty/indeterminacy principle, believed *and* advocated by the Copenhagen School *as physically binding*) can produce a physical effect exactly contrary to itself! For obviously, *such* is the *very determinate effect* of the *very*

paper on which the advocates of the principle write down their thoughts and equations, then leave off and return to their written work, which they find *exactly as they left it*, not to mention their mind also (believed the product of their also *very certain* brain), in which their ideas continue to inhabit very much unchanged, from which with a *certain* action they proceed to pass on their ideas to their unfinished paper! Now, seriously, is this really an activity permitting these advocates to state that “there is no deep reality to the world around us”? Isn't everything certain that we do *sufficient* proof of the *equally solid at least physical hard fact* that *no* indeterminacy/uncertainty law is physically present, not only in what we do but also in the universe out there that *respectfully saves intact* the unfinished paper on which such nonsense is written down??? In view of these simple and *certain* thoughts, what trust may we place on the supposedly "scientific" quantum theory still taught today even in our very best schools??? We shall return to quantum theory in 4.(IX).

(IV) As regards the question of whether or not *any* (now obviously, *other* than physical) cause can produce an effect *exactly contrary* to itself, the answer cannot be left in the *very* thick mists of the "MetaResearchal" (that (obviously takes after the "metaphysical"!) but it, too, must be rejected as an *unquestionable* demand of Logic that *cannot* disavow itself and produce AntiLogic! Justly do the carriers of such notions belong to the asylums for the incurably insane! Sadly, one hears some such "ideas" from *undisciplined* "theologians", who expose themselves pitifully ignorant of the requirement that *they* ought to be the prime exemplars of Logic on the *sufficient* theological principle of "Ἐν ἀρχῇ ἦν ὁ Λόγος" (In the beginning was the Logos, NOT the "Word"!) *Sufficiently* because any Theologian who honors his calling may *not* do other than state the principle:

GOD
IS THE MOST ELEGANT EXEMPLAR, DESIGNER AND
CREATOR

OF EVERYTHING TRULY WORTHY OF LASTING AND
 EVERLASTING BEING,
 AND NEEDS NOT SHOWING-OFF AS EMPTY HEADS
 AND SPIRITS CONSTANTLY DO!

But we shall not here rewrite the Principles of Theology! These few words should be enough to lash the undisciplined spirits that pass for Theologians! Just as, also, *all* others who "understand" God in *any* lesser terms!

3. No Time Reversal

(I) "Antecedent" means that **the** cause *must* exist in "time" prior to the effect happening. If their order were reversed, **and this reversion did *not* conflict with Logic**, we would still refer to the chronologically first as the cause and the second as the effect. This is because if something were able to change the past, it could create logical contradictions. For example, let A cause B, then let B directly or indirectly eliminate A in the past. Then B could never have come into existence because A, now gone, is what caused it; and so on, in an endless loop of contradiction. So logically, *all* causes *must* be antecedent to their effects. **But "time" is a term the meaning of which is still *not yet* well understood: Without *real* justification we mutely regard it as everlasting from an infinite past to an infinite future; and *so* we use it even in science, particularly in physics and cosmology. A far more accurate and stringent understanding of "time" is to consider it to be just another *universal physical dimension, quality and quantity* as happens even with us when we call it our "age". In the case of the physical universe, the "present 'time'" *must* be considered to be its *present age*, and as the "time interval between" when we refer to the time lapsed between two different ages of the universe. Thus, open minded, we are free to question how old the universe truly is, and the role "time", now really the age of the universe, has played in its development.**

(II) ((We ignored the possibility of simultaneous cause and effect because that would require change without benefit (**even as we do *not and cannot***

know whether it is, or is not, a *true* benefit) of the passage of time. But we consider time to be *another* (and whether the only one still remains to be shown) measure of change in the universe, making change without the lapse of time a meaningless concept (unless, *open minded*, we *truly* find even the supernatural, *that we yet have no valid reason to exclude, other than crypto-religious belief, if that can be called a valid reason, to have intervened*). As of course, nothing prohibits a cause from operating so close to simultaneously that we lack the ability to measure the short interval by which it precedes the effect. For our purposes here, it is important only that the effect *must precede* the cause, by however miniscule an amount)).

(III) It follows that *time travel into the past is not possible*. Imagine what it would mean for a person to time-travel into the past, as in an H.G. Wells story. As the person appears in a time where he did not previously exist, that instantly violates any hope for *the principle (strictly speaking, still remaining to be proven as having the power of a universal Law)* of conservation of matter or energy in the universe *to be active*. Not only has more of both just been added to the past (*in addition, displacing* any substance that existed in that place previously), but the universe continues to have this supplemental mass and energy *as-of-and-after the moment at its past age that the transfer was effected, until the moment the traveler to the past returns to the present plus*, as a result of the fact that such return *must follow the age of his original departure for the past*. The phrase "until their progenitors disappear from the present" *is confusing*, since even if the progenitors disappear, presumably by dying, their mass is *not removed from the universe at the moment of their death!*

(IV) Another problem is that time travel must also involve travel through space. For example, the Earth is continuously traveling through space in its orbit around the Sun, in the Sun's orbit around the Galaxy, and in the Galaxy's motion through the local supercluster. If one could suddenly pop into the universe at *a particular moment at some particular past age of it*, how could one expect to find the *particular point of the Earth in space at that past age?* Not to mention the past environmental conditions such travel would expose the traveler to! (Moreover, if time travel is at all possible, how can it exclude travel to the future with *its* host of problems?)

(V) Of course, the main reason why time travel is impossible, and not merely technologically difficult, is that it leads to logical contradictions of the type we described above. Sometimes it is claimed in science fiction that time travel must constrain one's freedom of choice, voluntarily or involuntarily, to prevent changes to the future that would cause a logical contradiction. For example, you *must (not just might)* be forbidden *and (not just or)* prevented from going back and killing your own grandfather, *or else you could not possibly be here to undertake your trip to the past!*

(VI) However, this ignores that your mere appearance in the past has changed the entire universe forever. When you arrive on Earth in the past, you displace or absorb air molecules in some new way, which changes the course of countless numbers of air molecule collisions, which in turn change countless numbers of other similar events. Eventually, some critical event that depended on air molecules being just so - maybe the timing of when a leaf falls, or whether or not something rolls over a cliff, or whether a roll of dice turns up a one instead of a six - will happen differently than in the original time line. That causes the new time line to begin to diverge from the old at an accelerating pace. Each new event generates many other new events that did not happen before. After enough time, everything becomes affected. So it *must be absolutely (not just is)* impossible for time travel over *any (not just nontrivial)* time intervals to avoid *inescapably (not just eventually)* changing something in a way that leads to a contradiction. Time travel is therefore disallowed by the principles of physics.

4. No True "Action at a distance"

(I) "Proximate" so far and as it relates unquestionably to events *clearly within the borders* of the physical universe (that consists of five dimensions: that of mass, of the three-dimensions of space and the one of "time") has been understood to mean "physically in contact with". (But is this definition of "proximate" still valid *at the borders* of the physical universe? On this question we *must* reserve decision until we reach the last paragraph of this section!) An effect can have many remote causes, but must have at least one proximate cause. The alternative would be a condition that one thing be able to affect another without the passage of anything (but again, why *must* that something be necessarily *physical as of the five dimensions stated just above?*) between the two. Once again, this would be the logical equivalent of (magic, a miracle, or) the

supernatural. This condition is called “action at a distance”, and is forbidden by the causality principle because it is logically impossible (yet, strictly solely in so far as we understand "logic" to act by the above five physical terms). [(a) Magic, at least in the form presented in circuses and such, is a clever form of willful deception, and as such it demonstrates intent. We all can accept that inanimate nature does *not* engage in either, solely for the *sufficient hard fact* that it has *not* demonstrated possession of intellect, that in addition *must* be willing to deceive in order to develop the *needed* intent. (b) Miracle requires the *sudden* (or else, other agents can justifiably be suspected to have interfered) presentation of an objectively unexpected effect when the physical conditions acting at the particular time preclude the appearance of a physically unexpected outcome: E.g., the resurrection of Lazarus (already four days dead and cold, entombed in the presence of a whole town) on the command of Jesus Christ. Clearly, this is *not a purely physical* development! Granted that an *ordinary* human being *cannot* perform simply by a command of his/her mouth such a feat! But is it (not just physically but) *altogether* impossible that Jesus Christ possessed superhuman = supernatural powers? Remember, it was *not* just a few witnesses that claimed observation of the miracle: If *altogether* impossible, Christ's triumphant reception in Jerusalem was indeed the result of the entire population having been misled, and the Jews have *never* been easy to be deceived! Had Jesus Christ entered the city fully armed on a glorious warhorse fully armed, at least *all the Jerusalem Jews would instantly have become Christians*, on the belief that here at last was indeed come the expected Messiah! *He* chose *not* to so enter! We *must* ask: Which is a greater miracle: to resurrect a four-days dead and entombed man, or to appear as said just above, that *would have satisfied* the expectant populace? Of the non-existence of the supernatural *we yet have no real proof!* But what is "real"? If "real" means only *physical* as today is understood by science, then demanding physical proof of the supernatural as if it were physical is clearly asking for the impossible! But if "real" means *truly effective*

*by whatever even if extraordinary-physical means, how logical are we to reject its possibility? The physical universe speaks **only** of the *physically* observable—most definitely *not* of the non-existence of the extraordinary-physical. or of the non-physical! Even as regards the physically observable, we already have a glaring difficulty in finding that *the photon is both a wave and a particle, which we still do not understand how **exactly** to understand it!* And yet, light is indeed unquestionably physical! Or should we say that light is the physical "thing" that is closest to the super-physical?] On this matter too, we must reserve decision till we reach the last paragraph of this section!*

(II) Isaac Newton, whose Universal Law of Gravitation is ("seen" to be) implicitly based on action at a distance, left no doubt that he considered this a pragmatic approximation of reality when he said: "That one body may act upon another at a distance through a vacuum, without the mediation of any thing else, by and through which their action and force may be conveyed from one to the other, is to me so great an absurdity, that I believe no man who has in philosophical matters a competent faculty of thinking, can ever fall into it". *But strictly speaking, this was only his opinion! Neither he nor we know everything that exists! We assume that physical reality requires that every physical action be conveyed from a remote cause to a target by means of some sort of physical action-carriers. It does not require that the carriers be visible or even detectable. We think they must exist and they or some surrogate carriers must come into contact with the target to transmit the action. But again, why must the interstellar space be a **real** vacuum? Is it not rather, a veritable ocean of light of all wavelengths, at least those that we dare call them light, that are indeed both waves and particles? An ocean studded by the heavy celestial light-emitting and light-not-emitting heavy bodies? Sea waves travel faster than the water molecules that carry them, that only bob up and down. Is it impossible that, in an analogous manner, lightwaves carry on them still faster gravitational waves that carry the gravitational effects? How impossible is it that what we call "action at a distance" is in reality the mediation of those still undetectable (if ever physically detectable) gravitational waves? The matter of the*

velocity of propagation of action and of effect has been dealt with in some detail in Chapters 3.6 and 4.4 of the book "Principia Physica Universi" appearing first in/of the series "The Free GPS Library", Satisfied with the mathematical formula of Newton's Law, what we have not asked and never answered is what is the *physical* reality represented by the expression GM_1M_2 ! Nor have we been *really* disturbed by the *hard fact* that it *cannot* be other than that represented in Faraday's Law by the numerically and *physically equal attractive* product q_1q_2 , since they both are equal to Fr^2 . (And really, mustn't there be a *physical* difference between just equal products of *separate physical* quantities and *separately* equal forces and equal separations multiplying with each other?! Never asking and never attempting to answer these questions truly *is fully equivalent* to being satisfied with the *miraculous and purely magical* effect of mathematics in *physical* Reality, *if* we separate mathematics from the *mind that alone contains it*, especially when we also consider the mathematics having acted on the universe since its inception at $T = 0$, as we shall see below in X to XII, when it is clear that *no* human mind could possibly have been involved! An effort to bridge the divide between Newton's and Faraday's Laws has been made in The Fall of Falsehoods, §129 (p.248-50). (See also paragraphs IV, and V).

[(III) Those familiar with the extended Zeno's Paradox for matter might object that true contact is impossible when matter is infinitely divisible. However, it suffices that "contact" be the finite limit of an infinite series of increasingly close approaches as one goes ever deeper toward the infinitesimal. This is analogous to crossing a street half way, then half the remaining way, then half again, and so on forever. Although an infinite number of half-the-distance steps are needed, the series nonetheless reaches a finite limit (the other side) in a finite time. For a fuller discussion, see ref. 1, chapter 1.]

(IV) Modern physics has introduced the concept of "fields", such as charge around a particle or gravitation around a mass. When the particle or mass moves, its entire field moves with it. However, this cannot happen acausally. For example, the mass may cause adjacent parts of its field to move, which in turn move more distant parts, and so on. This is what happens in any rigid body when one part of it is pushed: a pressure wave propagates through it, conveying the push to all parts of the rigid body. Therefore, fields are not a form of action

at a distance. The fact that gravitational fields are seen to update faster than light can propagate [2] is an argument for faster-than-light propagation of forces, not an argument for action at a distance.

(V) Rather than attempting to resolve the question of "action at a distance" in terms of "fields", each one of which is tied to the particular body that generates it, while all "fields" interpenetrate each other *and all* other bodies around them whether in contact with them or not, the question is much better handled in terms of propagation of action and of effect in the manner suggested in the above references. Which, moreover, permits calculation of the time needed for the transfer of effect through the *continuous* non-empty-ocean-of-light in which *all* bodies are submerged, that also consist of that same light! When we realize that what we regard as "empty" space truly is an ocean of light we cannot see, and that *all* bodies, *including* light itself, consist of the lightest (in both senses) Democritean atoms, then we also realize that the universe is made up in a far more intricate yet fully consistent manner than we so far have considered. A manner that, in addition, obviates the usefulness and exposes the "truth" of the theories we so far have developed in our effort to understand the world with concepts the value of which is now seen to be totally dubious.

(VI) Having for a century and half submerged ourselves in the ill-conceived modern theories, we *forgot* the discipline of mind needed for proceeding to build on the age-long problems, questions and answers: Democritus, building on the then available "understanding", decided that the divisibility of matter cannot go on ad infinitum. He proposed the limit of the final cut known as the Democritean atom. We moderns never, as we ought, question whether this was the limit of dividing the *mass* of a body, or also the *volume* it occupies! Logically, the two do *not* necessarily go together! *Only* if they do, may we say that the volume of a larger body is also divisible; and when most finely divided, *then total* vacuum surrounds the Democritean atoms, *in which case alone* may we speak of true action at a distance!

(VII) Ever since it became clear that (a) even light is a mass-pos-

sensing particle *and* a wave, (b) waves are more energetic (i.e., possessing *more mass* under the concepts of $e = mc^2$ and c being constant) the shorter their wavelengths, and (c) that the universe expands, the question "how much volume does a Democritean atom occupy?" and how are such atoms arranged in space can be answered in a number of ways: E.g., it is possible that the *first* emitted Democritean atom either possesses the *entire maximum* volume that is possibly available to it, that is none other than the *entire* volume of the *expanding* universe, in which case this statement is hardly distinguishable from saying that atom, being forever attached to the center of the universe, shall forever be being emitted, and all subsequently emitted Democritean atoms shall similarly ride on their immediately preceding one in sequence, the difference between them being limited by the infinitesimal dT of their emission just thus limiting their sizes; a possibility that visibly conflicts with observation! Or that the first Democritean atom was emitted as a complete and finished though ever expanding hollow sphere, with the outer surface of the second such atom just touching the inner surface of the first and so on thus avoiding the action at a distance through total vacuum; for otherwise we *would* end up accepting as logically unavoidable that the Democritean atoms existing *within* the universe *are* volume-distinct from each other *and* surrounded by *total* vacuum and thus truly acting at a distance; a possibility that also visibly conflicts with observation! Or that by *Law*, the Democritean atoms were *fully organized otherwise, most likely in groups*, from the moment the universe came into being, so that the emission of groups and their subsequent development was regulated in such terms of time as also to bring into being *all* observable and unobservable wonder; a possibility that does *not* visibly conflict with observation, especially considering that the groups still continue to emit light of all by *Law* determined wavelengths that fills the *seaming empty* interstellar space.

(VIII) The broadest use of the concept of field is being made in the theory of general relativity in the form of "curved space-time". In *this* exact place, the original article "**Physics Has Its Principles**" stated: "If such a

thing exists and can cause a body to move, then it must itself consist of something tangible or 'solid'; i.e., able to act on a body. If so, then it simply constitutes another action carrier updated by other carriers back to the source of gravity. It is reasonable to admit that we know nothing about what constitutes 'space-time' or how it carries actions. It is not reasonable to maintain that 'space-time' needs no tangible connections to either the source or the target of gravity. Obviously, many mathematical physicists in the field today do not think about 'space-time' as tangible in that way. This can lead to some frustrating conversations between people with incompatible perspectives about reality".

Now, *unquestionably, if the existence of curved space-time as an actual physical something is set in doubt, the entire conception of general relativity is set in doubt! And if curved space-time constitutes another action carrier that finally refers back to the source of gravity, it is gravity that **must** be considered the *cause* and the curved space-time **must** be considered the *effect*, and **not** the other way around, as Einstein exactly by the means of general relativity attempted to set the physical priorities! And if it is reasonable to admit that we know nothing about what constitutes 'space-time' or how it carries actions, then we **must** openly state that general relativity has *not* helped us understand the universe it promised to explain! And if it is not reasonable to maintain that 'space-time' needs no tangible connections to either the source or the target of gravity, then clearly, it is **gravity** that *is* the principal universal operation and general relativity is the theory that **more than any other has made incomprehensible the simplicity of physical reality!** So at last is an outsider finally told of the infighting, in the original article called "frustrating conversations", taking place in the inner quarters of the club of mathematical physicists debating among themselves the properties of physical reality!*

(IX) To be specific, (and make thoroughly clear the bone of contention and how it is *gravity* that truly controls *all* physical events in the universe and *not* what general relativity chooses to believe as real) consider a marble at rest in a curved space-time, as in Figure 1. If at rest, it *must* remain at rest unless some force acts on it. We are told to visualize that the marble will tend to roll downhill, and this is how "curved space-time" produces the effect we call gravity. However, from a causality perspective, if the rubber sheet or "curved space-time" were located in space without gravity already present under the sheet, the marble would just stay in place on the side of the

hill. The existence of curvature, even when time is involved in the curvature, is not a cause of motion. Only a "force" (a conveyor of momentum) can induce new motion. The force is the proximate cause.

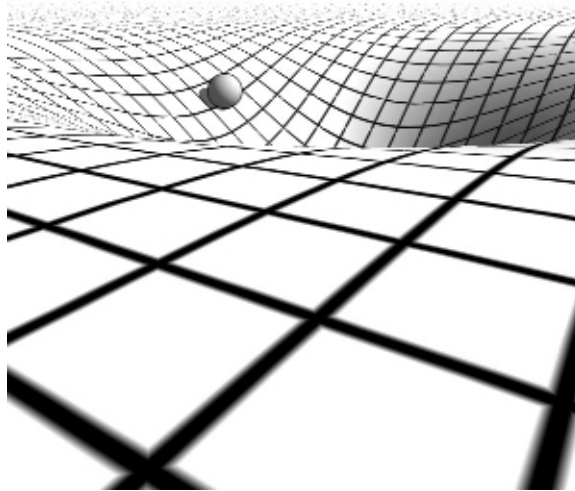


Figure 1. Rubber sheet analogy for "curved space-time" artwork by Starosta.

(X) So, now finally it seems to be the time to *suspend* belief in the theory of relativity, both special and general. The dimensional analysis of Newton's Law of Gravitation and astronomical findings support only the option of a truly constant G and M , respectively the universal gravitational constant and the total mass of the universe. Under these conditions, the average mass density D , and the volume of the universe V are variable, and the dimension of time T is nothing other than the *age* of the universe, that inescapably *is* variable, and *not* some arbitrary value of "time" that *cannot* physically be understood except as the *age* of the universe! *Thus* one finds that:

(a) the radius of the universe is: $R = [(\frac{9}{2})GMT^2]^{\frac{1}{3}}$,

(b) the velocity of its increase, being nothing other than the velocity of light, is: $c = dR/dT = [(\frac{4}{3})GMT^{-1}]^{\frac{1}{3}}$,

(c) the *average* density of matter is $D = (6\pi GT^2)^{-1}$,

(d) while $Rc^2 = 2GM$.

These, for $T = 12$ b.y., give the values:

$$M = 1.15 \times 10^{56} \text{ g}, \quad R_{\text{present}} = 1.70 \times 10^{28} \text{ cm} = 18 \text{ b.l.y.}, \\ D = 5.45 \times 10^{-30} \text{ gcm}^{-3},$$

whereas for light to retain an identical velocity everywhere within the universe regardless of the direction of its motion it is necessary that

$$GM_r / r^2 \equiv GM/R^2,$$

leading to the local density of matter at $\rho = r/R$ being

$$d = (2/3\rho)D = (9\pi\rho GT^2)^{-1}.$$

[Note that the Schwarzschild relationship and radius produced above on the basis of the dimensional analysis of Newton's Law of Gravitation and the resulting diameter of the universe being $(^{3/2})cT$ are *fully understood* in terms of a higher than the present past velocity of light, whereas as produced by the theory of general relativity, trans-fixed on the principle of the constancy of the velocity of light, they remain *totally unexplainable!*]

(XI) The difficulty Planck had with the concept, and the still believed constant unit, of action h had to do with the fact that action had not yet been recognized by science as a fundamental property of the physical universe. Considering that

(action) = (energy)x(the duration of time this energy acts),
the action performed by the fundamental particle/photon m_0 in time dT is $dh = m_0 c^2 dT$, and the present total-since-creation action of m_0 , and of the universe as a whole, must be written respectively as

$$3m_0 c^2 T = h, \quad 3M_0 c^2 T = H,$$

that produce: $n_0 m_0 = M$, $m_0 = 6,489 \times 10^{-66} \text{ g}$,

$$n_0 = 1.772 \times 10^{121},$$

$$H = 1.174 \times 10^{95} \text{ ergsec.}$$

(XII) Absolutely no theory to date has produced exclusively

from within it these relationships and values! Which, moreover, demonstrate unquestionably the *variability* of the velocity of light, thereby *demolishing* the special theory of relativity, on which the general theory also stands, as well as the *belief* in the constancy of the energy content of the universe! But these equations do a great deal more: For they *unquestionably prove* the expansion of the universe, at $T = 0$ having $R = 0$, $c = \infty$; when the force of gravity was also infinite! Which clearly demonstrates that the precedence has been given to *expansion* being *moderated* by gravitation.

(XIII) Nor is this all! Because, when the quantum theory is re-examined ab initio based on Lorentz's suggestion that the electron be considered and examined as a hollow sphere, it turns out that the polar moment of inertia of a hollow sphere vibrating about a middle radius *has the dimensions of action*, which is thus *physically introduced* in the operation of the electron and is *not* forced upon it as it was done by Bohr and later by the still current quantum theory; that, moreover, has imposed upon us the notion of uncertainty/in-determinacy! The classical geometrical structure of the electron in the atom *obviates* these ideas! Suffice it here to state even in words that the Planck "constant" *is in reality variable*, increasing with the $\frac{1}{3}$ -power of the universal age, but *is* the least amount of action involved in a reaction as unquestionably demonstrated by the atomic absorption spectra. At $T = 0$, the total action of the entire Universe could *not* have been other than 0! [See: "Principia Physica Universi"]

(XIV) When all these *unquestionable* mathematical relationships of utter simplicity relating the universal physical quantities to each other ever since $T = 0$ and the arithmetic data they produce being so close to the best astronomical measurements are considered, only then are the quandaries baffling the scientists finally resolved! As there also can be no doubt that mathematics are purely intellectual material, the question arises as to **WHO** truly was that established these *mathematical* relationships as **unquestionably firm Universal Laws** regulating the operation of the *physical* Universe ever since it came into being! On the power of the causality principle, de-

manding that “every effect have a *prior* cause”, and more precisely, “every effect have an *antecedent, proximate* cause”, we are obliged to conclude that, at the initial borders of the universe, the **WHO** who acted *did unquestionably have all the wherewithal* needed to bring this Universe into being! If we reject this proposition about WHOM who acted, on the grounds that it is equivalent to a clearly non-physical (as presently "understood" by science) intervention, being therefore no other than **a miracle with no one performing it**, we *cannot* explain the *in-a-certain-not-infinite-past-time-sudden* appearance of the universe as anything other than a violation of *both* the causality principle **and** the no “creation ex nihilo” principle considered next, which *cannot* be regarded as other than a **double miracle with no one performing it!** Faced with this *double* predicament, and being *objectively* unable to reject both options, the wiser act is to reject the double miracle option and to accept the one, now *so-called* "miracle" option that *conserves both*, principles, even as it clearly forces us to accept it as a **very hard fact** that Reality consists not only of just ordinary physical-tangible-material that alone falls under the purview of science, but also of *other* "material" having intellectual-imaginative-self-inspirational-creative-sustaining-purposeful powers that together **sufficed to bring into being under demonstrable Law** the observable physical-tangible-material universe! Whether *we* like or dislike this finding, is no longer a matter of Logic (that now compels otherwise—as it was just suggested) or principle, but a matter of acquired-instructed taste while in ignorance of all the facts standing firmly behind the Law of Gravitation.

5. No “Creation ex nihilo”

(I) “No creation ex nihilo” is the principle that something cannot come into existence out of nothing. In a sense, it is another manifestation of the causality principle because such creation would represent an effect without a cause. However, this is a particular case worth considering on its own merits because our primary cosmology today, the Big Bang, begins with the ultimate creation-from-nothing scenario - the mass, space, and time of the entire universe from nothing

- as its first step. Well, using words with the utmost possible care, we **must** say that, the presentation and discussion in Section 4, on the *sufficient* power of the equations the dimensional analysis of Newton's Law of Gravitation brought to light and of the numerical findings produced from these equations, suffice to show that this universe *did indeed come into being* at $T = 0$, ex *corpo nihilo* (here referring *solely* to its material five-dimensional corpus), under the mathematical laws (of a **clearly intellectual, not** material nature!) given above, obedient to the simple single command known as "Let there be light!"; and as it grew up, *under a whole host of additional Laws included* in the original order organizing into groups the *lightest of all identical* Democritean atoms, **did** develop to become what we now observe it to be! The **hard** fact that this universe did come into being and operates as the Laws given above demonstrate **suffices** in and of itself to **prove** that an **ACTOR**, of a nature **other** than of the physical nature of this universe, **did truly act** as the *proximate* cause of this universe.

(II) So far, creation ex nihilo has been forbidden in physics because as seen from this side of the divide it requires a miracle; but as seen from the ACTOR's side, *the fact that he did effect what he intended proves sufficiently that he did not act outside the realm of his own capabilities*. In other words and whether we like it or not, this world *continues* to be within his realm. That he chooses to insinuate his presence in the mathematical form of the equations derivable from the analysis of Newton's Law of Gravitation cannot in the least be considered to be a disadvantage of his, but rather a *conscious* choice on his part not to impose his presence on us, leaving it to us to draw our conclusions even as regards this his choice. Everything that exists *continues* to come from something that existed before, that, **however**, need not have grown, or fragmented, or changed **its** form, **but only as *it* has chosen to apply its own power and its energy**. The notions that growth requires accretion, nourishment, or energy input, **that** fragmentation ranges from chipping to evaporation to explosion into bits so tiny that we can no longer see or detect them, **and that** changing form includes changes of state, such as solids,

liquids, gases, or plasmas, as we understand them from within this universe need not apply to the state of affairs existing before the coming into being of this universe that we know. Of the earlier state of affairs, we may *not* make *any* logical statement other than that it produced the present state of *physical* affairs that did *not* exist before they came into being.

(III) The double stress on *physical* is meant to distinguish the physical from the intellectual realm. We have absolutely *no* logical permission to confuse the two: We are *both* physical *and* intellectual beings, partaking of both those characteristics, but we have *absolutely no right* to conclude that the intellectual part of us is an emanation of the physical. That it is is a *cultural* dictum inculcated *purposely* in order to supply us an escape from the *otherness* of the intellectual world, that unless be is believed to be a physical emanation, it insinuates a *direct* relationship to what is termed "theological" *despite* the incompleteness of our "understanding" of it that is essentially close to minimal! However, one look around suffices to draw home the point attempted to be made clear here: We and the chimpanzees do not differ biologically by more than about 2%; but those animals do *not* exhibit *any* of the *intellectual* (to be clearly distinguished from the instinctive and altruistic ones that are clearly visible at least between mothers and children of the same animal species, or members of different species having grown up in a close human environment as to wonderfully develop *true* caring for each other) characteristics that we possess. Only the Greek word Λόγος conveys the *Totality* (known and still unknown) of the Intellectual Realm and of Logic (that is *not* limited to the state of our own, but extends to the "ends" of the Perfect Λόγου)! By *that* Totality does the Perfect Λόγος take care of Himself. *All* artistic, linguistic, mathematical, musical, philosophical, poetic, scientific and theological activities belong in the intellectual realm of which no other animals except us partake. Now, however, we do *indisputably* find that the mathematical (and arguably the most demanding part) of the intellectual realm is *not* uniquely ours, but is also proven to belong to the **WHO** who

established the Laws on which this entire physical Universe functions. With this understanding now firmly in our possession, we *are* justified to wonder also about the nature and extent of the other intellectual capabilities of **WHO**, that now most certainly may *not* be confined to those fields in which ours are limited.

(IV) So, too, now we must say that “matter” and “energy” may *not* be regarded as simply different forms of the same substance, convertible back and forth. Matter is solely mass, whereas energy is the product of mass and the square of velocity, which (if constant) is in turn the quotient of distance travelled within a certain time period (or more exactly during the interval between two different universal ages). The phrase “it is easy to visualize matter as exploding into ultra-tiny bits that we might call “energy” *is thus misleading*. As is that “but part of that energy consists of the high speeds of bodies”, since high or low speeds are *not* a wholesome direct part (as, say, the 20% of the total energy) but a *constituent* part of the energy, as exactly stated in just a few lines *above!* Where does that energy come from? Bodies have small constituents inside atoms that already have high speeds. These constituents may be liberated by an explosion, just as high relative speeds of bodies can be converted into fast constituent motion (heat) during a head-on collision. Even if we could not be specific about how this happened, we could still be certain that energy is not created on the spot from nothing.

(V) So-called spontaneous particle creation from vacuum need not violate this principle because the *so-called* “vacuum” is *not* empty. So-called “zero-point energy” is energy of the vacuum, implying that the vacuum is occupied by substance on a scale too small for us to yet detect in any form other than in Casimir-type experiments. The principle only requires that the ingredients from which something is made pre-exist, but not that we can discover them yet. *To within a time period of the already created universe, this statement is correct. But now, it is clearly seen that this cannot apply to the moment of creation of the universe at $T = 0$; simply because we have absolutely no physical evidence of physical bodies preexisting that moment! We only have the equations produced by the dimensional analysis, that are intellectual products of the “state of being (not necessarily of material ‘things’ as we know them after creation)”.*

(VI) It is a result of the ignorance of the knowledge provided by the dimensional analysis that, religious people truly ~~might~~ wonder why

physics does not admit creation ex nihilo as an “act of God”, and therefore a valid cause. However, ~~this is a~~ non-economical, and non-testable hypothesis **the “act of God” was thought to be before the knowledge now at hand, then correctly thought to be** ~~thereby~~ violating two of the criteria of Scientific Method, **now with that knowledge at hand, violation of the Scientific Method may *no* longer be claimed!** The **WHO** *is* present behind the equations! Whereas it is true that ~~Moreover,~~ “acts of God” can be claimed as ~~are~~ a potential explanation for everything, ending the need to investigate further and discover predictable causes, **reasonable people are by Reason bound not to suspend the need for investigating causes!** As long as **there are** ~~all~~ observations and experiments **that** can be explained without need of miracles - something that has so far **been believed to be** ~~remained~~ true, **solely on the belief that events recorded in ecclesiastical history (such as the resurrection of Lazarus) can be dismissed as unreliable - this principle may no longer** ~~must~~ remain as an inviolate guideline. Even if an apparent exception arose, **as indeed *this has now happened* at the universal age zero, ~~it is difficult~~ we must *not* regard it impossible to assume and investigate** ~~imagine~~ circumstances where a more economical, and therefore more scientific, **occurrence** ~~hypothesis~~ than an act of the ~~a~~ Supreme Being **did in fact take place. This will guarantee that false religiosity will *not* run amuck!** ~~would not exist.~~ See also Section 11 of this paper about “Repealing Physical Principles”.

6. No “Demise ad nihil”

(I) The counterpart of not allowing the creation of something from nothing is “No Demise as nihil”; i.e., something cannot become nothing. However finely a thing may dissolve, however undetectable the bits of “energy” into which a thing may explode, **if *it were at all possible that* all the individual bits were brought together again with the same ordering, the original thing would be recovered.** In other words, nothing has ceased to exist; it has merely changed its appearance or form. **But this is a *big* if, as it requires *reversal* of the process that brought on the dispersion, i.e., *reversal of the laws that regulated that dispersion.* But now, in view of the new findings discussed above, for reversal of the laws to take effect, a reverse**

order of the ACTOR is inescapably needed, based on his judgment of an *objective need* requiring satisfaction by means of this reversal. If, *at any one moment*, the ACTOR decides that the present universe under the present laws it obeys *has exhausted the purpose* of its having been brought into being, *nothing* prevents him from then *canceling* the operation we call universe; and that *is* indeed *demise ad nihil in the terms of the present universe*.

(II) But now, in view of the discussion in 4.(VII-XII), *all* speculation called (and based on) the theory of relativity must be seen to be *pure* speculation based on *no* hard physical facts: It is imperative that no theory can claim respect if it intends to misguide even by the choice of its own name, or leads to inevitable contradictions. Consider: even the name "relativity" is *prima facie* gratuitous. It ought to have been "referentiality", as in matters of science and physics we *must be both accurate and precise*: simply because that whole theoretical edifice refers to the *appearance* of the world as it is seen from and it refers strictly to another **totally independent** system of coordinates **totally unrelated** to, i.e. **independent** of, the original one!

(III) As regards special relativity, the "paradox of the twins" it has generated is a good example **proving** the badness of the theory, especially when seen in the following light: Of the twins, one travels away and later he returns. The theory claims that he returns *objectively younger* than his based-at-home brother. But here comes the inescapable snag: What if the traveling twin unbeknownst to his brother so adjusts his velocity vector that as referred to the moment of his departure, it be the *exact vectorial opposite* to the velocity vector of his at-home-staying brother *relative to the center of the galaxy*? His "return" will take quite some time, but now *who truly* returns? Doesn't the "traveler" stay *truly motionless* relative to the center of the galaxy, and isn't his home-based brother who truly traveled? (Here for simplicity, we do not consider the *additional* effect of universal expansion which was unknown both in 1905 and in 1916). On what *solid* objective grounds may the at-home-stayed brother consider his twin younger? And on what similar grounds

may the "traveler" consider *his* twin younger? Did they not part at a *certain* age of the universe and did they not reunite at a *certain later* age of the universe? Isn't the latter minus the former age *identical* for them both? Here neither we nor the theory speak of biological or mechanical effects due to traveling, *that we still cannot and have no idea how scientifically to evaluate*, but strictly of *true absolute* time differences! *But the theory was designed to abolish all absolutes, and all discussion about them!* Consider also that this is *not* the only way that the special relativity theory falls down flat on its face! It is in its nature to produce many similar conundrums! Consider the matter from CONTRA PHILISTINES AND SYCOPHANTS. p. 118, where it is stated:

"But we are *not* talking of *mere* "paradoxes" here! This is a *deliberate misnomer for intrinsic and ineliminable logical bungling!*: If Einstein's contention be true that $\tau = t(1 - v^2/c^2)^{1/2}$, then looking in the opposite way, from that of system K' at a clock *seeming* to travel with the system K, we are honor bound to declare as *equally true* that $t = \tau(1 - v^2/c^2)^{1/2}$!!! To this, *no* self-respecting relativist may take exception! But then with both of these relationships being seemingly true, it *must* also be true that

$$\tau = t(1 - v^2/c^2)^{1/2} = [\tau(1 - v^2/c^2)^{1/2}](1 - v^2/c^2)^{1/2} = \tau(1 - v^2/c^2), \quad (26)$$

even for non-zero values of v (just as we did before see with the length R , Eq. 16, p. 106)!!!"

(IV) Nor is the above the only prime example of *determined refusal* to consider the objective hard facts: Because, as regards general relativity, the paper on it published in 1916 (i.e., well before Hubble's finding) makes absolutely no reference even to the possibility of universal expansion, and to this day, hard-core relativists sticking to the ideas of the original paper still doubt the trueness of the universal expansion. But still, the question of how exactly the universe expands has *not* been adequately addressed: Are only just the distances between the celestial bodies observed by astronomers increasing, or are *all* bodies down to the Democritean atoms *and* the distances between them increasing, as *all these truly are* celestial bodies? As unquestionably the second option is the greater generalization permitting no favoritism, then *all* bodies expand, becoming ever "whiter holes", following the greatest ever white hole

which was the entire universe at the exact moment its expansion began, that only an infinitesimal moment earlier, *if* such a moment can be accepted to have existed, was the *only* "black hole" we can at all name! So, without proper consideration of the law's of Newton ancillary consequences we are still searching the black night sky to discover in it "black holes", i.e., bodies going against the "fabric" of universal expansion that are unseeable *both* as a result of their supposed nature and for the need that we search for them in the dead black of the deep night sky, for how indeed can we *truly* tell apart total black from total black, when the so-called "black holes" are products of a theory based on *totally dubious principles, axioms, assumptions and objectives*?! To which we lately have added the additional worry, lest we discover one in the CERN supercollider! *Not* an altogether very wise general attitude considered on the whole! Which must be seen in light of Einstein's original paper, in which in the first paragraph of Section §4 he wrote:

"it is not my purpose in this discussion to represent the general theory of relativity as a system that is as simple and logical as possible and with the minimum number of [*unevaluated*] axioms; but my main object is to develop this theory in a such a way that the reader will feel that the path we have entered upon is *psychologically* the natural one and that the underlying [*unevaluated*] assumptions will *seem* to have the highest possible degree of security."

In this, only the material in the brackets and all other emphases have been added in an effort to make absolutely clear to today's deeply concerned reader the exact spirit in which Einstein undertook to *rewrite as it were the structure of the entire physical universe* sothat *it* comply with *our psychological* inclinations!—As if *our psychological* inclinations can determine and set the structure of the universe!—As if that is not *the most licentious presumption* set down on paper by *any* mortal ever! And one *is* honor bound to ask whether the present-day relativists are aware of this statement, and if so on what scientific grounds *they* have mutely tolerated it as truly obliging present-day science!

(V) We *must* question and set entirely apart from and totally outside of our conception of the Principles of Physics as totally foreign

to it and to them the *psychological* forces that pushed Einstein to this whole conception: One *cannot* honestly see another motivation than the fact that he could *not* determine another really good reason on which to make an argument to the effect that *every* view, regardless of the "system of reference", whether political, racial, religious, scientific, or social be regarded co-equal to any other broadly similar to it, or falling in the same broad category called *psychological, as each one is thus freed to define it!* He surely was *not* oblivious to Galileo's travails; whose findings collided with the then Pope's view that the earth was the center not only of the solar system but of the entire universe, so that *he, the Pope*, be at the absolute center of universal attention, even if only slightly off center, as he could *not* figure "His own Holiness" to be at the exact center of the earth, already known to be a sphere! At least, however, the Pope had his own *ecclesiastical* claims to consider, *not* just his *psychological* needs! I suppose, Einstein's friendship with Freud *must* have had something to do with it all!

(VI) Which, however, made him truly oblivious to another and *inescapable physical universal* effect truly afflicting *every* observer subject to the constraints set by general relativity *if* the latter were at all true: Imagine everyone of us going hither and thither: Staying always at the center of the universe regardless of our motion means both that *we all carry and suffer the drag of the entire universe*, in full face of the *hard fact* that the universe *cannot* have so many centers going simultaneously hither and thither, but *only one and motionless center, as there is no physical way or any reason we know or suspect of for it to move at all in space as a whole!* Which relativistic attitude has *not* left unaffected all seemingly "knowledgeable" present-day conversationalists, all sticking to their own points of view, claiming them all "equally right", and leaving themselves free of the obligation to put all their heads together to find *which* truly is the best view of the matter under discussion for them all to adopt!

(VII) *In addition to all other cumulative assumptions he had*

made thus far that nobody has carefully counted, Einstein, in Section E§21 labeled "Newton's Theory as a First Approximation" of his 1916 paper on General Relativity, made at least five more (as long as *I* can detect them correctly) well hidden in the phraseology, before he could reach his conclusion. He gave no estimate of probability for the correctness of each one of his assumptions. If we assume that each of just those five is as likely to be right as to be wrong, the total probability of all five being right is $(\frac{1}{2})^5 = 0.03125$; for each individual probability of 0.9, the total probability is 0.59059; for each individual probability of 0.95, the total probability is 0.77378; for each individual probability of 0.98, the total probability is 0.90392. These numbers should give a measure of how likely it is for the approximation thus reached to have been right! Suffice it to say that even if only one assumption in a series of consecutive assumptions is wrong, the *entire edifice built on them all collapses!* No mention of the sum total effect of the value of truth of assumptions used consecutively in a series in the search for Truth sought by means of physical-theory building has ever been made by the theorists!

(VIII) General Relativity introduced even the idea of gravitation in the *absence* of matter, that appeared later as a result of "condensation", effected "somehow", of the energy of the field. The hard fact that matter is matter, and energy is (matter)x(velocity squared) was "tactfully" ignored. Crucial in this difficulty was the "contribution" of B. Russell who gave the velocity of light the name "physical unit", which, silently, he equated to the *dimensionless* number 1! Thus $E = mc^2 = m!$ And the relativists applauded!

(IX) Neglecting all this, it is conjectured in general relativity (GR) that "black holes" might exist, in which case anything inside an event horizon would be out of communication with the rest of the universe. Such a condition might appear to be the practical equivalent of passing out of existence. However, even for black holes, indications of existence can still be found outside the event horizon in the form of a gravitational field, so the object does continue its influence on the universe. Questions: How can the "practical equivalent of passing out of existence" continue its influence on the universe??? And are the indications real or imagined?

(X) Nonetheless, as we will shortly consider, objects such as the “black holes” presently attributed to GR are forbidden to exist by the principles of physics (such as the next principle below). A type of astrophysical object for which escape velocity exceeds the speed of light might exist, and we might choose to call that a “black hole”. **But which(???)** type of *astrophysical* object can be said to exist, **the** escape velocity **of which** exceeds the speed of light (and thus *may already be outside the outermost surface of the expanding universe, and thus be undetectable by any physical means available to observers inside the universe?*), that we might choose to call a “black hole”? This sort of *wily speculation totally beyond all imaginable limits of permissible tangible scientific reasoning in no way can be considered to be part of any hard science!* And so, how can one insist saying that, however, such an object would presumably remain in two-way communications with the rest of the universe through the action of *still totally unknown* faster-than-light particles, and **that that-so-said-body shall** eventually disperse in some way as everything eventually does??? **Which cannot still** ~~But it cannot~~ provide an example of demise ad nihil???

(XI) Question: Is all this *hard science*, or is it only crypto-religion, the object of worship of which is the *unbridled* uncertainty, over which rules the *total uncertainty of believers even in uncertainty, even in relativity*, that today pass as hard science, while at the same time, at the very opening of the statement of the Principles of Physics, it is being confessed that "Something is wrong with science - fundamentally wrong[, as] Theories keep getting stranger and stranger."??? All this while, as already stated in 2.(III), the universe out there ... *respectfully saves intact* the unfinished paper on which [the *uncertaintists'* nonsense] is written down, to which they later return to complete it with what the universe *also keeps intact* in their heads??? How do such people dare abuse the *certainty* the universe serves them, which they proceed to abuse by writing about what *they suppose is its* uncertainty? Considering all there is out there, what these people do most certainly is NOT Science!!!

(XII) NOW, IN VIEW OF ALL THESE, WE CANNOT CLAIM TO BE CONTINUING TO DO SCIENCE UNLESS

EVEN THE PRESENT REVISION ITSELF (BASED ON THE COMMENTARY ALSO CO-SUBMITTED) BE REVISED TO ELIMINATE FROM IT ALL THAT CAN NO LONGER BE SUPPORTED BASED ON SANITY, IN THE FACE OF THE INCONTESTABLE EVIDENCE THE UNIVERSE MOST ELOQUENTLY EXPRESSES BY MEANS OF NEWTON'S LAW OF GRAVITATION *PROPERLY READ*, AND THE PHYSICAL/CLASSICAL-GEOMETRICAL/ENGINEERING HARD FACT THAT ACTION IS A *VERY FIRM AND CERTAIN UNIVERSAL PROPERTY, MOST CLEARLY SEEN AS THE POLAR MOMENT OF INERTIA PHYSICALLY BUILT IN THE ELECTRON*, BEING A HOLLOW SPHERE VIBRATING ABOUT ITS MIDDLE RADIUS! IT MUST FINALLY BE CONFESSED THAT THE UNIVERSE *TRULY IS THE GRANDEST ENGINEERED FEAT EVER CONCEIVED BUILT ON LAW*, BEHIND WHICH THERE STANDS ITS MAKER, **AND NOT ANY ILL-CONCEIVED IDEAS, FINALLY CONFESSED TO BE FUNDAMENTALLY WRONG** EVEN BY THOSE WHO USE THEM DAILY, AND EVEN TEACH THEM TO TRUSTING, HARD-CASH PAYING STUDENTS, TAUGHT TO SWALLOW UNCHEWED WHAT THEY ARE FED!!!

7. The Finite Cannot Become Infinite

(I) The last of the often-self-evident principles of physics we will consider here is “the finite cannot become infinite”, and of course vice versa. That is because no matter how many finite things we may collect, their total number and total substance remain finite. Likewise, if something is truly infinite (such as the set of all integers), then no matter how we divide it, at least one piece must remain infinite. And no matter how many equal-sized pieces we divide it into, each will still have an infinite number of components. **But this discussion depends entirely on the *nature* of the particle.** E.g., we saw above in 4(VII) how the universe began expanding and where its front now is some 12 b.y. later. But we *cannot* say what is the *present* wavelength of the first photon emitted, the outer edge of which now

is at the very edge of the expanding universe! Was/is still light emitted "in particle form, yet of forever fixed wavelength", and so, totally distinct from the very next similar "particle" that followed after an *infinitesimally distinct "break" in time separating the two singular waves*, or is it a "continuous wave transmission the first section of which is wider than its very next and so on", while we conceive as a distinct particle the first, or any, part of this continuous form the in-phase part of this continuity? As very distant light sources seem to send light shifted toward the red, we may be well justified in concluding that the frontal section of outgoing light shifts smoothly toward the red as a function of time since the start of *continuous emission without any break in-between distinct waves*. If truly so, given infinite time as the universe ages, there is *nothing* to prevent the wavelength of the first wave to be continuously shifted toward infinity! But this hardly constitutes a singularity defined as in the first period of the following paragraph:

(II) A singularity is a point where something has become infinite. In astrophysics, it is a point where matter has collapsed to infinite density and infinitesimal volume. *But in an expanding universe, this happening is impossible*, for being contrary to the universal laws stated in 4(VII). The *only* singularity permitted in this expanding universe is the one at $T = 0$, and *it cannot be reached by any particle*, because *all* particles were given an *outward* momentum that *cannot* be cancelled and reversed, even after infinite time, when *gravity shall have attained zero value!* Singularities may occur routinely in mathematics. But up to now, whenever a singularity occurs in a ~~an~~ *mathematical* equation thought to apply in nature, some *physical* constraint intervenes and ~~always prevents it a singularity~~ *becoming arising real* in nature. For example, Newton's Universal Law of Gravitation, $a = GM/r^2$, where a is acceleration, GM is the product of the gravitational constant and the mass, and r is the distance from the center of mass, has a singularity at the origin, $r = 0$. The equation requires acceleration to become infinite at the origin. But in reality, *the statement that "no test particle can ever reach the origin at the center of mass without first entering into the mass itself, which then changes the acceleration formula in a way that limits acceleration", if at all real (and it is*

not!) is a very poor one relative to the one just given above!

(III) A classic example of this principle operating in physics is the “ultra-violet catastrophe”. It appeared that the energy of re-radiation of absorbed light should become infinite until Planck realized that such energy must occur in discrete packets, called “photons”. Which is *not* an adequate explanation as *nothing* ought to prevent the re-emission of an *infinite* number of photons, except the physical *fact* (that was *not* considered!) that absorption turns energy into heat [only *some* part of which can be used as free energy while the rest is forever lost by what we call entropy] as the infrared wavelengths of which *cannot* be shortened on account of everywhere-everpresent universal expansion! In similar manner, every other potential infinity in physics *forced-introduced by mathematical theories* has always led instead to new constraints and improved equations lacking accessible singularities. But this, obviously, has only to do with the quality of *theories* of mathematical physicists about the universe, and *nothing at all with the physical nature of the universe itself* that calls for understanding, that none of the theories presented so far by any such method has addressed at all adequately! The universe permits discussion only of the original singularity at $T = 0$ as already presented and of *none* other! Thus making totally inappropriate all further discussion such as that following to the end of the present Section, here retained uncommented only in order that it be placed under re-examination and final judgment on whether or not it must be retained in the final text.

(IV) Physicists have tended toward the soft view that such infinities have never yet arisen, so perhaps they never will. But the principle is really a logical necessity if energy, force, density, and all physical quantities are viewed as consisting of a finite number of discrete physical components, even if at an undetectable level. Then obviously, no finite sum, however large, can become infinite. This guarantees that any equation containing a singularity will not continue to represent nature in the immediate neighborhood of that singularity, and that some constraint enforcing singularity-avoidance remains to be discovered in connection with that equation.

(V) Of course, mathematicians are unaccustomed to physical principles and are very comfortable in dealing with singularities in their equations. The mathematicians who have taken over the province of general relativity have therefore, not surprisingly, advocated the existence of real singularities in nature

at the centers of “black holes”. Einstein himself, as a good physicist, never accepted the concept of black holes, and held that some new constraint would modify his equations in the future. His own words [3] written late in his career while he was at Princeton) are illuminating, showing as they do a respect for physical principles over purely mathematical reasoning:

(VI) “If one considers Schwarzschild’s solution of the static gravitational field of spherical symmetry ..., [g_{44}] vanishes for $r = m/2$. This means that a clock kept at this place would go at rate zero. Further it is easy to show that both light rays and material particles take an infinitely long time (measured in ‘coordinate time’) in order to reach the point $r = m/2$ when originating from a point $r > m/2$. In this sense the sphere $r = m/2$ constitutes a place where the field is singular.

(VII) “There arises the question whether it is possible to build up a field containing such singularities with the help of actual gravitating masses, or whether such regions with vanishing g_{44} do not exist in cases which have physical reality. ...” [brief discussion of incompressible liquids omitted].

(VIII) “One is thus led to ask whether matter cannot be introduced in such a way that questionable assumptions are excluded from the very beginning. In fact this can be done by choosing, as the field-producing mass, a great number of small gravitating particles which move freely under the influence of the field produced by all of them together. This is a system resembling a spherical star cluster. ... The result of the following consideration will be that it is impossible to make g_{44} zero anywhere, and that the total gravitating mass which may be produced by distributing particles within a given radius, always remains below a certain bound.” [core of analysis omitted; skipping to conclusions]

(IX) “The essential result of this investigation is a clear understanding as to why the ‘Schwarzschild singularities’ do not exist in physical reality. ... The ‘Schwarzschild singularity’ does not appear for the reason that matter cannot be concentrated arbitrarily. And this is due to the fact that otherwise the constituting particles would reach the velocity of light.

(X) “This investigation arose out of discussions [with Robertson and Bargmann] on the mathematical and physical significance of the Schwarzschild singularity. The problem quite naturally leads to the question, answered by this paper in the negative, as to whether physical models are capable of exhibiting such a singularity.” [End of Einstein quote]

(XI) Einstein wasn’t arguing that the Schwarzschild singularity doesn’t exist in the equations, but that it doesn’t exist in physical reality. Much as for the case of “the ultraviolet catastrophe”, he reasoned that the equations will be shown to be incomplete as observations or experiments approach that limit.

8. Tangible, Material Entities Cannot Occupy the Same Space at the Same Time

(I) This obviously means literally the exact same space. It does not exclude a body being surrounded or even saturated by granules, a liquid, a gas, or a plasma. But no nucleus from any atom of one material entity can occupy the same space as the nucleus of any atom in another material entity at the same instant. Of course, if atomic nuclei themselves contain empty space, that can be occupied by something small enough to fit into the gaps. The principle merely forbids occupation of the identical space at the identical time by two tangible entities, but does not forbid filling in otherwise empty space. *Again, all this discussion has to do with the unmentioned assumption that the fundamental particles of matter once called Democritean atoms are tiny and absolutely solid particles; for if they are not such but are light waves of a given minimal mass, then surely they can expand and be "superimposed by, or loaded with" other such particles. We seem to overlook/ignore that, just that does in fact happen routinely at every one moment: At night, we observe simultaneously all the visible stars (that is, those sending us light more intense than our organs can detect), which means that light waves do come into our organs from all directions without, obviously, as much interference from each other as to render them invisible or incompatible with each other, which is just what happens during the day also in the presence of the intense sunlight that warms us up!*

(II) Another caveat seems warranted. One property that distinguishes particles from waves is the ability of waves to pass through one another without any effect on each other. *Which was just discussed.* However, when a wave passes, the constituents comprising the medium that carries the wave do not travel with it, but rather just bob up-and-down or back-and-forth in place (but this is an observation that has to do with waves in air or water) and it cannot be said that it also happens in *absolute* vacuum, which is in fact *the perfect medium* for light to travel and requires no "ether", as it was once thought as the necessary medium). And of course, the principle that no two tangible, material entities can occupy the same place at the

same time very much applies to every constituent of the medium, whether part of a wave or not. The wave is transmitted by constituent collisions, which occur without co-location of constituents ever occurring. It again is obvious that these last two periods *confuse* the notion of "tangible" and in fact remain stuck to the concept of "ether" (is it finally tangible or not?) without ever mentioning it, though it officially has been "abandoned"! As at present standing, the presentation of the Principles does not unequivocally state that the perfect medium for the transmission of light is in fact the *perfect* medium! Rather, it seems to have avoided mentioning the word "ether", yet only in order to re-introduce it under the *dubious* concept of the "field" as used in the general relativity theory.

9. Corollaries of Principles

(I) Many matters of considerable importance follow immediately from the principles of physics. For example, nature has no singularities. Not true! It has had the original one when the entire universe came into being and has none other! If it did have one of the nature of absorbing matter into itself, matter ~~could~~ would disappear from the universe, violating the no demise ad nihil principle while also violating the finite cannot become infinite, which however does *not* constrain the volume of the expanding universe that is not discussed in the Principles! The phrase "The continued action of an external gravitational field after the cause of that field has permanently ceased to communicate with the outside universe is an effect without a cause" must be judged superfluous and tending to confuse in the face of the rejection of additional matter-absorbing singularities and our total ignorance about the existence of external universes of the very same nature as that of ours! And the phrases "And the strange temporal properties of black holes have led to the proposal of "worm holes", which violate the no time reversal principle. Black holes and worm holes are fun science fiction concepts, and are much touted and discussed by mathematical relativists. But no physicist who understands the logical necessity of the principles of physics as descriptors of reality can take such concepts literally" present in what ought to be the austere context of

Principles tend to dilute their austerity, as admitting "from the window" as it were their context and its discussion.

(II) The paragraph "It follows from these principles that there are no black holes in the traditional relativity sense of event horizons centered on a singularity. This does not preclude highly collapsed states of matter generating a high redshift for light, or possibly no light escape at all. But such objects would continue to have normal gravitational and electrostatic forces and be in two-way communication with the rest of the universe. Some of the fantastic properties of black holes will therefore turn out to be fantasies after all" is justifiably suspected as an attempt to have it both ways as to take advantage of having predicted an outcome, however it turns out in the future! An article called Principles of Physics must be dealing in the most austere manner with what at the time of its writing deals strictly with what is firm and beyond all dispute given the objective knowledge of the time. Speculation on dubious concepts may *not* be allowed in such an article.

(III) Further, in light of the *new* material already presented in this Commentary/Re-examination of Principles, the paragraph "Perhaps even more importantly, the physical principles immediately imply that there was no Big Bang at the origin of the universe. The "Big Bang" also violates several physical principles: an effect with no antecedent, proximate cause; no singularities in nature; and no creation ex nihilo. If the universe really is expanding - an assumption very much in doubt [ref. 1, 1999 ed., chapter 22; reprinted from ref. 4] - then something must limit how far back that expansion can be projected" is altogether to be excised. The phrase "then something must limit how far back that expansion can be projected" has *already* been answered with the *firm establishment of the moment of the coming into being of the universe that marks the beginning of the age of the universe that is the exclusive original limit after which the concept of physical time can have scientific significance.*

(IV) The phrase "Of course, religions have long taught that the creation of the universe is at least the one major exception to no creation ex nihilo" exposes as *confused* the "understanding" of Creation. A carefully considered statement of the religious concept *in no way denies but firmly stresses* the prior presence of the Creator *and His ability and means at His disposal to create*; it only *denies a new start as a sole result of something prior to the present universe, yet identical in*

nature with it! For the reason that, this sort of universal recreation of itself, if it were at all that, would be a *contorted* restatement of an ever-existing physical universe, the infinite past age of which is in direct conflict with the findings of the dimensional analysis of Newtons Law of Gravitation, that constrains to within a finite limit its age, as, otherwise, the universe *would already have dispersed into the abyss!* The statement that "This approach suffers from the difficulties mentioned earlier in connection with ascribing causes to acts of God" *fails to consider the consequences just stated of an everlasting physical universe. The period* "As long as it remains clear that viable explanations do exist that require no "acts of God" [ref. 1, chapters 1-2], science will always prefer these because they make reality testable and ultimately predictable, at least to the limits of our understanding" *to have meaning must resolve and prove wrong the aforementioned consequences of the universe having already had an infinite past, yet still being subject to gravitation as at present observed! Without such resolution and proof the so-called viable explanations said to exist that require no "acts of God", quite obviously, far from being scientific as necessarily denying the incontestable findings of the dimensional analysis of Newton's law of Gravitation are nothing more than fanciful speculations!*

10. Definitions of Dimensions

In the following paragraphs, semantics such as

â€™, â€“, â€œ, â€“, â€œspaceâ€“, â€œspaceâ€“, â€œspaceâ€“,
â€œa, mediumâ€“, â€œuniversal, timeâ€“

known to specialists but not to the general public are used, though the meaning of most of the text *deems* complete if these are ignored. Surely, the general public must *not* here be denied an explanation of their meaning.

(I) While not a physical principle, the matter of defining dimensions touches on some similar issues in the arena of the mathematiciansâ€™ approaches versus that of physicists. Mathematicians, lacking physical constraints, are free to imagine or invent unlimited numbers of dimensions, and to ascribe any properties to them they wish. So one hears often of parallel dimensions, hyper-dimensions, multiple time dimensions, more than three space

dimensions, etc. It is easy to forget that such ideas *are fictional concepts*. We have *not a single observation or experiment that cannot be fully and completely explained with three dimensions of space, one of time, and one of mass or scale*. And despite having many theories of extra dimensions, we have *no theoretical requirement for any but the five that are part of our everyday reality*. So it is easy to forget that Occam's Razor then requires that we not invent extra physical dimensions unless and until some necessity arises — not convenience, but necessity. Extra mathematical dimensions are fine if they serve a purpose, but should not be confused with physical reality.

(II) A second point about dimensions is that they are scales for the measurement of intervals. As such, they are ordinarily defined to be smooth and linear. Why complicate dimensions unless doing so serves a useful purpose? Moreover, scales for measurement are insubstantial; i.e., they have no substance. Therefore, a dimension cannot be affected by matter or by a force. Consider a common example, often seen in general relativity texts: "curved space". Think of a light ray following that curvature and bending as it passes the Sun's mass. GR suggests we think of the ray path as straight and space as curved. But it would be simpler, as in classical physics, to think of the ray path as curved and the space as straight. In fact, wherever we are in the universe, we can always construct three mutually perpendicular lines, extend each of them to infinity in both directions, and have all observers in the universe agree that these lines are straight, uniform, and parallel to the straight lines of all other observers, even if they pass near or through large masses. There is clearly no necessity for having curved space, whatever masses or forces may do to light, the vacuum, or other matter. For example, any two points along the curved path of a light ray past a mass can be joined by a taut string, which (if it is strong enough to resist the pull of gravitation and other forces) describes a straight line through space, and a shorter path in space than the ray takes.

(III) Therefore, the term "space" should continue to be used with its classical meaning, the dimension for measuring separations. If we have a theory in which we might like "space" to expand or contract, we must choose a different word, because the meaning of the word "space" is reserved for a useful concept that can have no distortions. For example, we might then have to say that "a space-filling medium" expands or contracts. That grounds the discussion in reality, and eliminates the fantastic.

(IV) Similar remarks apply to time. Clocks may change rates, and they apparently slow down when in a gravitational field or moving relative to such a field. However, the dimension of time can remain as smooth and linear as we please, so we choose define it that way. Then time is simply a measure of change. In much of the 20th century, it was thought that time could not be measured apart from the behavior of clocks. However, experience with the Global Positioning System (GPS) has shown that, even when clocks move with

different relative speeds in different gravitational potentials, all can be synchronized in epoch and rate to hypothetical underlying non-moving clocks in a strictly inertial frame with the gravitational potential projected to any standard height. Then all such clocks will remain permanently synchronized, and make excellent measures of a form of "universal time", compatible with other clocks throughout the universe. **One cannot avoid thinking that our experience with clock synchronization by means of the GPS system is very limited on account of the very short distances around the earth to which the system has been tested. For great distances around the universe however, exact synchronization requires (a) an exact knowledge of the age of the universe at the moment of transmission, (b) and exact knowledge of the polar coordinates of light source *and* target as of the moment of transmission, (c) an exact knowledge of the distance to target as of the moment of transmission, (d) an exact knowledge of how universal expansion affects the distance *and* the path to target following the moment of transmission, and (e) the actual moment-by-moment geometry of the path to target the light signal has to follow to reach the target. The identical light velocity change due to universal aging under a variable mass density related to variable r/R along the path is certainly helpful when the geometry of the light path is accurately known. But all in all, all these requirements are not in the least easy to establish whether as to clock synchronization or as to dreamed-of-and-destined-to-remain-a-dream space travel—if all that is needed has been included in this list and no more items are still needed to be known!**

(V) The following paragraph (given the uncertainties of the assumptions and hypotheses made part of the theories on which all those fanciful considerations are based, especially in view of the doubt expressed even in the form of "if time is not a physical thing that etc., if..., if..." that dares question even the relation of the concept of time to the universe) is *not* science and may *not* be made a part of a paper attempting to put down in a *rigorous* manner the true Principles of Physics. It is only an exhibition of professorial speculation on which, precious time dearly paid for, is wasted!

(VI) However, if time is not a physical thing that slows down with speed

and stops for things moving at the speed of light (as is true in Lorentzian Relativity, but not in Special Relativity), then it follows that the speed of light is not a speed limit for the universe. A hypothetical spaceship traveling at the speed of light might see its atomic clocks stop at that speed, or perhaps even reverse if the spaceship moved faster yet. But time would march forward for the spaceship and the entire universe at the same rate as ever. If the spaceship used chemical propulsion, it might have as much difficulty propelling itself faster than light as a propeller plane would have trouble exceeding the speed of sound. But nothing prohibits this happening in principle if new methods of propulsion such as gravity, not limited by the speed of electromagnetic radiation, were employed for the purpose.

11. Repealing Physical Principles

(I) It **may be** ~~is~~ fun to think of other dimensions, time travel into the past, magic, and numerous other mathematical and/or science fiction concepts **but most certainly it is not science, if the word still has the meaning of the Greek word ἐπιστήμη that means "firm knowledge of which one is a master"**. However, it is useful to make a distinction between concepts that are possible, although we are not yet technologically advanced enough to make them happen (**but then how do we really know that are possible?**); versus concepts that are now and always(?) certain to be impossible because they lead to logical contradictions. This is reminiscent of the old argument: Can God, who is omnipotent, invent a square circle? The normally accepted answer is that even omnipotence does not enable a Being to devise a contradiction in terms. **But this is another exhibition of underdeveloped "theology": God has all the needed attributes perfectly perfected that make Him a Perfect Being. As a result, none of His attributes can ever be in conflict with another. God, not Euclid created, Euclidean geometry. He will never undo it!**

(II) Apart from what the next paragraph says about "traveling" to the past, it and the remaining two are just another example of childish "theology": Because, Economy *is* an attribute also absolutely perfected in God's Mind. As a result, God would *not* create what is short or in excess *even by one* Democritean atom of what is *absolutely needed* for attaining the Purpose for which He created the world! God is *above* matter: The simplicity, completeness and

consequences of the Law of Gravitation demonstrate *sufficiently* for those who have trained themselves to understand that *God is Mind and Spirit*: His *delicate* demonstration of His knowledge of mathematics is the *sufficient* proof of that. As such, He created the universe for an equally *Mindful and Spiritual Purpose*, of which we are fully capable, *if we* prove ourselves sufficiently disciplined. In this exercise, we *must* understand that the *entire* universe was *needed* for that *one* society of created beings *needed* for the Purpose of creating the entire universe. That society was *ours*! Another society capable of the same Objective would be one too many! So, we *must* forget about other intelligent beings! And then we *must* realize there was a reason He placed us on this *limited* planet: We *must* use its *limited* resources for the purpose of attaining the objective He had in Mind for us to obtain! If we still wonder what that is, we are perhaps much too late already! We come much too near to exhausting the resources of the planet, and every idea of space travel means exhausting the resources of the planet even faster! Even if space travel were possible for an objectively unknown and unknowable material destination, for the very few who would be off, *all the rest would be left to die* all that much faster in an exhausted fast-dying planet! Do we understand? Do we understand? Professors, do you understand? Theologians, do you understand? The politicians *are* much too stupid to understand! If we do not understand whether the reality we live is real or "virtual" (what a choice of a word, indeed!) we are much too deep in the substances that alter irreparably the human conscience! And for that we only have the professors to blame! *They* are our "lights"!

(III) In considering this difference, we should acknowledge Clarke's First Law: "Any sufficiently advanced civilization is indistinguishable from magic." The wording of this law notwithstanding, we can tell the difference between advanced technological feats and logically impossible feats. For example, we would not be too startled by an advanced species that had perfected Star-Trek-like tele-porters, although that possibility is far beyond what our technology is capable of doing. By contrast, we could rest assured that no species, however advanced, can alter the past. Time travel into the past is a logical impossibility.

(IV) Now suppose that we encountered an advanced species that did have

the capability to alter the past or violate other physical principles. Ironically, this is not a logical impossibility. For example, we have seen Star-Trek-like holodecks create virtual realities that are essentially indistinguishable from our own reality. Clearly, the programmer can alter the virtual reality program to appear to defy physical principles. Nonetheless, the result is little different from watching a movie about time travel or black holes, even though we might have no awareness that what we sensed was fictional. So if we saw physical principles being violated, we could conclude with some certitude that we were experiencing a virtual reality.

(V) This raises an interesting philosophical challenge: How do we know that our present reality is not a virtual one? The short answer is that, if it is programmed to be faithful to all principles of physics and in other ways realistic, we might well lack any means of being able to tell which type of reality we inhabit. But ultimately, we are forced to act pragmatically and behave as if this reality is non-virtual because the consequences of doing otherwise are painful and catastrophic, to the best of our ability to predict them. [See [ref. 1](#), chapter 20, for a fuller discussion of “truth and reality”.] The discovery of a single, clear violation of a principle of physics would change that conclusion. So we can see that a great deal is at stake in adhering to the principles for as long as that remains possible.

(VI) *The above three periods all mutely assume that no God is necessary and that the conditions in the universe, at least in some of its places elsewhere, have been such as to allow the autonomous appearance of civilizations very much in the still totally unknown and fundamentally unknowable way in which this happened here! Questions: Do we really miss the fact that, in/by making such assumptions, we do mutely constrain the field of our intellectual view, as we exclude the potential presence of other possibilities that we thus refuse to examine? Do we really miss the fact that this stance truly constitutes a crypto-religious attitude, the adoption of which, hidden in obvious pseudoscientific jargon, passes as open-mindedness supported by seemingly austere science? Because, I, for one, dare ask: in the absence of God, what other than pure chance organized this universe, and how indeed was it locked in a/the state that permits the automatic appearance of other, more or less stable, societies such as ours, if not even more stable than ours, as it is truly needed for them to produce even more advanced civilizations? What is more reliable to base our (I shall not call it faith but only) seemingly scientific conviction on: chance, that now is and now is*

not, and can *never* be locked to producing beauty, or the *possibility* (that is thus mutely rejected *unexamined*) of the existence of a Wise-Logical God of *unlimited* possibilities, using His Wisdom-Logic to produce worlds of indescribable beauty? Is *ever* beauty the product of chance? Is not our world truly beautiful? Or are we truly so blind to seeing beauty? But if you say, "Just look at the ugliness!", how is it that *you*, my Dear Scientist, do *not* admit that it *is* totally man-made, being the *direct result* of our freedom that we *do* so badly abuse, as worlds lacking freedom are NOT worth having, as they would only be worlds of marionettes, with absolutely no one present (not even the Maker) that can be said to be enjoying the spectacle of *purposelessly* moving marionettes? *What meaningful* addition to this very universe would the presence of such marionettes make? If none, why have them at all? And if the seen ugliness is so bad as you say it is, for which reason *alone* (I shall *not* add the *sleepless feeling of guilt*, except only in a parenthesis!) you reject the *possibility* of the Creator, would a universe without us be truly more beautiful in your so highly refined eyes, or rather would *you* then call it, *with full justification*, *totally* purposeless?? Are *you*, my Dear Scientist, certain that you have *not* been instrumental in *also* producing the very ugliness that you charge the *possible* Creator with??? Isn't the Nobel prize financed by the profits made on the rights of using TNT *both* for peaceful *and* war (i.e., *purposely destructive and killing*) purposes??? Kindly, don't even dream of trying to divest your responsibility by claiming that physics is science and not politics! Physics *is also a tool*, as it is *also very much a social activity*, using *public, not private* funds; the A and H bombs *are weapons not toys*, intended to *terrorize into submission* even the have-them-not "friends" and not only the enemies! Neither Jehovah, nor Buddha, nor Jesus Christ, nor Allah was/were asked for, nor gave, their permission to build and possess such and other weapons and endorse the ugliness they can cause. So, kindly *don't* attempt to pass on the blame to a *possible* God! Here, I am NOT asking as a believer, but as an *agnostic*, trying to weigh the options before us,

ignorant as of yet of the view of the world that is opened before us by the findings of the dimensional analysis of Newton's law of gravitation! Now, with those findings and *all their antecedents and consequences* in full view, how indeed can we close this revision of the Principles of Physics as we started out by saying: "Something is wrong with science - fundamentally wrong. Theories keep getting stranger and stranger"??? And how indeed may we continue to face ourselves in the mirror *pretending* intellectual correctness and dignity, while *ignoring (officially ever since 1986) that* addition to our knowledge for no other reason than bitter sullenness for having terminally lost that game of cards that has left us without even the proverbial fig leaf to cover our total intellectual bankruptcy after having bet our everything in the "Principles of Physics", here having been put under *this* relentlessly magnifying microscope?

12. Conclusions

Only the *correct* principles of physics brought into complete agreement with the Laws obeyed by the universe are inviolate, ~~rules~~ because any contradiction would be tantamount to ~~magic, a miracle,~~ ~~or the~~ the collapse of Logic, that is now *proven* to relate to the supernatural. Allowing *seeming* miracles in the guise of pure chance into scientific theories makes them ~~non-~~falsifiable, and ~~therefore~~ exposes them to being proven as unscientific. Adhering to these logical principles and accepting "no miracles" (such as the universe *would* represent one such in the absence of its Creator) as the only valid "first principle" is *must* now be known as "as the *new* deep reality physics".

The following principles were discussed here:

Every effect has an antecedent, proximate cause.

No time reversal.

No true action at a distance.

No creation ex nihilo.

No demise ad nihil, *except when the universe has completed the purpose of its coming into being.*

The finite cannot become infinite, but the volume of the universe *can if it be left*

unrecalled.

Tangible, material entities cannot occupy the same space at the same time.

These corollaries flow from application of the principles:

Nature has no singularities, *save the one it began with.*

There are no black holes.

There *was a one only* Big Bang at the universal age $T = 0$

2-way time travel is impossible.

These corollaries follow from classical definitions of dimensions:

Extra dimensions are not needed to describe physical reality.

The five ordinary dimensions are always uniform, linear, and universal.

Physical time is the age of the universe.

The speed of light is *variable, but* is not a universal speed limit.

Discovering a definite violation of a physical principle as heretofore understood ~~would bring into~~ question the quality of *science so far produced, not* the nature of the reality we inhabit.

Derived from conferences held at Cesena, Italy 1999/09/20
and Sutton, Montreal 2002/10/07
Minor update 2008/03/30
Major Revision 2011/03/05

- [1] Van Flandern, T. (1993; 2nd edition 1999),
[Dark Matter, Missing Planets and New Comets](#),
North Atlantic Books, Berkeley.
- [2] Van Flandern, T. (1998), Phys.Lett.A 250, 1-11.
- [3] Einstein, A. (1939), Annals of Mathematics, 40, #4 (Oct.), 922-936.
- [4] Van Flandern, T. (1994), Meta Research Bull. 3, 25-35; available through
[metaresearch](#).

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The original text, that here was re-worked and enriched,
as thought appropriate,
was taken from:

<http://www.metaresearch.org/cosmology/PhysicsHasItsPrinciples.asp>

The Universe obliges Physics to have its principles revised

**Physics is only about everything
one senses to be and understands as objectively physical.
Mathematics is about everything that can be recounted and
measured.
Engineering is about everything that is or can be structured.**

**BY:
George P. Stavropoulos,
B.Sc., M.Sc., D.I.C., Ph.D.**

Abstract.

Each discipline has its own principles regarding how best to describe the reality that is sensed.

For the description to be complete,
a self-congruent understanding of reality is needed.

Physicists, mathematicians and engineers
have fundamentally different approaches to grasping reality.

The essential difference is that:

The physicists adhere to certain selected principles that alone they regard to be logical, any violation of which they regard as a miracle;

The mathematicians construct equations regarding numbers as well as "dimensions" and "spaces" oblivious to the possibility of the objective physical existence of the mental "objects" they construct, or of the tolerance of the objective physical reality to accept those mental constructs as parts of itself.

The engineers worry about the total internal physical and mathematical congruence of all physical structures,
without which the latter cannot possibly, if at all,
stand and develop through time safely.

This leads to drastically different views of what is and what is not possible for cosmology and the reality we live in.

To the traditional physicists and mathematicians, this here attempted

"interference" of the engineers may at first sight seem odd.
Until one realizes that engineering started indeed with the first ever construction
by human hands of the very first tool, that only later made possible the physical
and mathematical considerations that eventually grew up to wholesome(?)
scientific disciplines.
Only the physics adhering to the congruent principles of all three disciplines can
be regarded as "deep reality physics".

Note:

The text here submitted for adoption and publication, **based on the
Commentary**

co-submitted herewith, is given in black.

Text retained from the article "Physics Has Its Principles"
(presented as a "Minor update 2008/03/30" of earlier versions) is here
presented in Size 10.

Text considered necessary for the best possible illumination and
understanding
of expressions used in the "Minor update" and additions
resulting from a much deeper research of the related subjects is here given
in Size 12.

Text present in the "Minor update" but no longer compatible with what is
thus here presented
has been omitted.

Understood is: (a) that, following *proof based on strict Logic*,
(*not on speculation based on "principles" still standing unverified*),
that material thus omitted *is* compatible with the text as here
presented and its inclusion *shall* illuminate the subject here
presented, can be re-instated in the appropriate places within the text;
and (b) that, once the *entire final text has in collaboration with this
Author been decided to have met the best possible standards*,
it shall be published in a suitable uniform size **with this Note
removed**.

1. Introduction

(I) The still standing introduction opens up with: "Something is wrong with science - fundamentally wrong. Theories keep getting stranger and stranger." [ref. 1; opening words of Preface] This is certainly true of physics, which has backed itself into *real and logically unacceptable (not just only apparent) contradictions, including relativity theory, and not limited to quantum theory* on account of which alone the observed contradictions have been labeled as "leading directly" to the dominant Copenhagen view that "there is no deep reality to the world around us".

(II) A reasonable person might ask, "What is the wrong turn that physics has taken to arrive at this predicament?" The answer proposed here is that physics has given up its objective, being the study of *objective* reality, yet *without* in so doing adopting *unverified or intrinsically unverifiable* principles. Instead, it has adopted *arbitrary* principles, and *on them* does it attempt to "explain" the objective physical reality. It also has too long consorted with mathematicians, who have no principles other than their own. Mathematics obviously has considerable value as a tool for describing the world. However, the strength mathematics brings to physics has surely been to the detriment of real progress in physics. Because, physics, without much success so far, still seeks through largely the same kind of mathematics to escape from originally thought acceptable principles that were in *hidden* conflict with each other! As the kind of mathematics still used in physics *failed* to resolve all conflicts, the physicists rather than starting *ab initio* as they ought, passed the blame to Physis, to *Physical Reality*, by calling it meaningless! This tallied with an ***unconfessed desire to shirk off the also unconfessed moral responsibility*** physicists feel for collaborating with political and other powers of destruction by which their activities are financed; most evident in times of war, and hardly less evident in times of peace spent in being ever ready for the next even more catastrophic war, as well as in "peaceful" activities that inevitably push to its natural limits the ability of the planet to supply ever more materials for ever more, said to be "economic development", that is anything but *economic* in the *strict original* Greek meaning of

the term! **We may *not* rush to reject the propriety of this comment in the present article: for the very simple reason that physics has *not* been performed in the vacuum, but squarely within the wider social environment that provides it its support.**

(III) The present revision of the original statement of Principles seeks to recast the Basic Principles of Physics in a more acceptable form, in light of *incontestable* new demonstrations of fact. Let us stick to this form.

2. The Causality Principle

(I) Perhaps most basic of all the principles of physics is the causality principle. In its simplest form, it reads: "Every effect has a cause". In more precisely, it states: "Every effect has an *antecedent, proximate* cause". Let's examine these components, and see why each is required.

(II) First, why must every effect have a cause? The answer is so basic that it essentially is a matter of definition. The "cause" is whatever makes the "effect" happen. If something in the universe changes (an effect), having no "*physical* cause" to make it happen, it is taken to be the logical equivalent of (magic, a miracle, or) the supernatural. Even then, we might think of the will of the (magician, miracle worker, or) supernatural being as the cause. **But in physics,** we are *not* referring to tricks or illusions, but to events happening without something **necessary** making them happen. Even the will of a powerful being cannot produce an effect without having an **objective** and the means to **bring it into being**. The "objective" *is* the ultimate purpose (and as such the "seeming cause"), and the means typically involves force or energy in some form, though not necessarily physically yet known, (or even physically knowable at all, when a powerful yet physically invisible being is acting). This point will be clearer when we examine the other two parts of the causality principle.

(III) The original article of "Physics Has Its Principles" had a glaring omission: it did not at all mention quantum theory, except only indirectly in its Introduction the first paragraph of which stated "Something is wrong with science - fundamentally wrong. Theories keep getting stranger and stranger." [[ref. 1](#); opening words of Preface]. This is certainly true of physics, which has backed itself into apparent contradictions, leading directly to

the dominant Copenhagen view that “there is no deep reality to the world around us”. The 1.(I) paragraph of the present Revision does not in the least correct that omission. For, certainly, squarely within the domain of the Causality Principle falls the question of whether or not *any* cause can produce an effect *exactly contrary* to itself! In the case of Physics, the question is made specific in the form of whether or not a *purely physical* cause (such as the uncertainty/indeterminacy principle, believed *and* advocated by the Copenhagen School *as physically binding*) can produce a physical effect exactly contrary to itself! For obviously, *such* is the *very determinate effect* of the *very paper* on which the advocates of the principle write down their thoughts and equations, then leave off and return to their written work, which they find *exactly as they left it*, not to mention their mind also (believed the product of their also *very certain* brain), in which their ideas continue to inhabit very much unchanged, from which with a *certain* action they proceed to pass on their ideas to their unfinished paper! Now, seriously, is this really an activity permitting these advocates to state that “there is no deep reality to the world around us”? Isn't everything certain that we do *sufficient* proof of the *equally solid at least physical hard fact* that *no* indeterminacy/uncertainty law is physically present, not only in what we do but also in the universe out there that *respectfully saves intact* the unfinished paper on which such nonsense is written down??? In view of these simple and *certain* thoughts, what trust may we place on the supposedly "scientific" quantum theory still taught today even in our very best schools? We shall return to quantum theory in 4.(XIII).

(IV) As regards the question of whether or not *any* (now obviously, *other* than physical) cause can produce an effect *exactly contrary* to itself, the answer cannot be left in the *very thick* mists of the "MetaResearchal" (that obviously takes after the "metaphysical"!) but it, too, must be rejected as an *unquestionable* demand of Logic that *cannot* disavow itself and produce AntiLogic! Justly do the carriers of such notions belong to the asylums for the incurably insane! Sadly, one hears some such "ideas" from *undisciplined* "the-

ologians", who expose themselves pitifully ignorant of the requirement that *they* ought to be the prime exemplars of Logic on the *sufficient* theological principle of

"Ἐν ἀρχῇ ἦν ὁ Λόγος"

(In the beginning was the Logos, NOT the "Word"!)

Sufficiently because any Theologian who honors his calling may *not* do other than state the principle:

GOD
IS THE MOST ELEGANT EXEMPLAR, DESIGNER AND
CREATOR
OF EVERYTHING TRULY WORTHY OF LASTING AND
EVERLASTING BEING,
AND NEEDS NOT SHOWING-OFF AS EMPTY HEADS
AND SPIRITS CONSTANTLY DO!

But we shall not here rewrite the Principles of Theology! These few words should be enough to lash the undisciplined spirits that pass for Theologians! Just as, also, *all* others who "understand" God in *any* lesser terms!

3. No Time Reversal

(I) "Antecedent" means that the cause *must* exist in "time" prior to the effect happening. If their order were reversed, and this reversion did *not* conflict with Logic, we would still refer to the chronologically first as the cause and the second as the effect. This is because if something were able to change the past, it could create logical contradictions. For example, let A cause B, then let B directly or indirectly eliminate A in the past. Then B could never have come into existence because A, now gone, is what caused it; and so on, in an endless loop of contradiction. So logically, *all* causes *must* be antecedent to their effects. But "time" is a term the meaning of which is still *not yet* well understood: Without *real* justification we mutely regard it as everlasting from an infinite past to an infinite future; and *so* we use it even in science, particularly in physics and cosmology. A far more accurate and stringent understanding of "time" is to consider it to be just another *universal physical dimension, quality and quantity* as

happens even with us when we call it our "age". In the case of the physical universe, the "present 'time'" *must* be considered to be its *present age*, and as the "*time interval between*" when we refer to the time lapsed between two different ages of the universe. Thus, open minded, we are free to question how old the universe truly is, and the role "time", now really the age of the universe, has played in its development.

(II) (We ignored the possibility of simultaneous cause and effect because that would require change without benefit (even as we do *not and cannot* know whether it is, or is not, a *true* benefit) of the passage of time. But we consider time to be *another* (and whether the only one still remains to be shown) measure of change in the universe, making change without the lapse of time a meaningless concept (unless, *open minded*, we *truly* find even the supernatural, *that we yet have no valid reason to exclude, other than crypto-religious belief, if that can be called a valid reason*, to have intervened). As of course, nothing prohibits a cause from operating so close to simultaneously that we lack the ability to measure the short interval by which it precedes the effect. For our purposes here, it is important only that the effect *must precede* the cause, by however miniscule an amount).

(III) It follows that *time travel into the past is not possible*. Imagine what it would mean for a person to time-travel into the past, as in an H.G. Wells story. As the person appears in a time where he did not previously exist, that instantly violates any hope for the *principle* (strictly speaking, *still remaining to be proven as having the power of a universal Law*) of conservation of matter or energy in the universe to be active. Not only has more of both just been added to the past (in addition, *displacing* any substance that existed in that place previously), but the universe continues to have this supplemental mass and energy as-of-and-after the moment at its past age that the transfer was effected, until the moment the traveler to the past returns to the *present plus*, as a result of the fact that such return *must* follow the age of his original departure for the past. The phrase "until their progenitors disappear from the present" *is confusing*, since even if the progenitors disappear, presumably by dying, their mass is *not* removed from the universe at the moment of their death!

(IV) Another problem is that time travel must also involve travel through

space. For example, the Earth is continuously traveling through space in its orbit around the Sun, in the Sun's orbit around the Galaxy, and in the Galaxy's motion through the local supercluster. If one could suddenly pop into the universe at a particular moment at some particular past age of it, how could one expect to find the particular point of the Earth in space at *that* past age? Not to mention the past environmental conditions such travel would expose the traveler to! (Moreover, if time travel is at all possible, how can it exclude travel to the future with *its* host of problems?)

(V) Of course, the main reason why time travel is impossible, and not merely technologically difficult, is that it leads to logical contradictions of the type we described above. Sometimes it is claimed in science fiction that time travel must constrain one's freedom of choice, voluntarily or involuntarily, to prevent changes to the future that would cause a logical contradiction. For example, you *must* (not just might) be forbidden *and* (not just or) prevented from going back and killing your own grandfather, or else you could *not* possibly be here to undertake your trip to the past!

(VI) However, this ignores that your mere appearance in the past has changed the entire universe forever. When you arrive on Earth in the past, you displace or absorb air molecules in some new way, which changes the course of countless numbers of air molecule collisions, which in turn change countless numbers of other similar events. Eventually, some critical event that depended on air molecules being just so - maybe the timing of when a leaf falls, or whether or not something rolls over a cliff, or whether a roll of dice turns up a one instead of a six - will happen differently than in the original time line. That causes the new time line to begin to diverge from the old at an accelerating pace. Each new event generates many other new events that did not happen before. After enough time, everything becomes affected. So it *must be absolutely* (*not just* is) impossible for time travel over *any* (*not just* non-trivial) time intervals to avoid inescapably (*not just* eventually) changing something in a way that leads to a contradiction. Time travel is therefore disallowed by the principles of physics.

4. No True "Action at a distance"

(I) "Proximate" so far and as it relates unquestionably to events *clearly within the borders* of the physical universe (that consists of five dimensions: that of mass, of the three dimensions of space and the one of "time") has been understood to mean "physically in con-

tact with". (But is this definition of "proximate" still valid *at the borders* of the physical universe? On this question we *must* reserve decision until we reach the last paragraph of this section!) An effect can have many remote causes, but must have at least one proximate cause. The alternative would be a condition that one thing be able to affect another without the passage of anything (but again, why *must* that something be necessarily physical as of the five dimensions stated just above?) between the two. Once again, this would be the logical equivalent of (magic, a miracle, or) the supernatural. This condition is called "act-ion at a distance", and is forbidden by the causality principle because it is logically impossible (yet, strictly solely in so far as we understand "logic" to act by the above five physical terms). [(a) Magic, at least in the form presented in circuses and such, is a clever form of willful deception, and as such it demonstrates intent. We all can accept that inanimate nature does *not* engage in either, solely for the *sufficient hard fact* that it has *not* demonstrated possession of intellect, that in addition *must* be willing to deceive in order to develop the *needed* intent. (b) Miracle requires the *sudden* (or else, other agents can justifiably be suspected to have interfered) presentation of an objectively unexpected effect when the physical conditions acting at the particular time preclude the appearance of a physically unexpected outcome: E.g., the resurrection of Lazarus (already four days dead and cold, entombed in the presence of a whole town) on the command of Jesus Christ. Clearly, this is *not a purely physical* development! Granted that an *ordinary* human being *cannot* perform simply by a command of his/her mouth such a feat! But is it (not just physically but) *altogether* impossible that Jesus Christ possessed superhuman = supernatural powers? Remember, it was *not* just a few witnesses that claimed observation of the miracle: If *altogether* impossible, Christ's triumphant reception in Jerusalem was indeed the result of the entire population having been misled, and the Jews have *never* been easy to be deceived! Had Jesus Christ entered the city fully armed on a glorious warhorse fully armed, at least *all the Jerusalem Jews would instantly have become Christians*, on the belief that here at last was indeed come the expected Messiah! *He* chose *not* to so enter! We *must* ask: Which is

a greater miracle: to resurrect a four-days dead and entombed man, or to appear as said just above, that *would have satisfied* the expectant populace? Of the non-existence of the supernatural ***we yet have no real proof!*** But what is "real"? If "real" means only *physical* as today is understood by science, then demanding physical proof of the supernatural as if it were physical is clearly asking for the impossible! But if "real" means *truly effective by whatever even if extraordinary-physical means*, how logical are we to reject its possibility? The physical universe speaks ***only*** of the *physically* observable—most definitely *not* of the non-existence of the extraordinary-physical. or of the non-physical! Even as regards the physically observable, we already have a glaring difficulty in finding that *the photon is both a wave and a particle, which we still do not understand how exactly to understand it!* And yet, light is indeed unquestionably physical! Or should we say that light is the physical "thing" that is closest to the super-physical?] On this matter too, we must reserve decision till we reach the last paragraph of this section!

(II) Isaac Newton, whose Universal Law of Gravitation is ("seen" to be) implicitly based on action at a distance, left no doubt that he considered this a pragmatic approximation of reality when he said: "That one body may act upon another at a distance through a vacuum, without the mediation of any thing else, by and through which their action and force may be conveyed from one to the other, is to me so great an absurdity, that I believe no man who has in philosophical matters a competent faculty of thinking, can ever fall into it". But *strictly speaking*, this was only *his* opinion! *Neither he nor we* know *everything* that exists! We *assume* that *physical* reality requires that *every* physical action be conveyed from a remote cause to a target by means of some sort of *physical* action-carriers. It does *not* require that the carriers be visible or even detectable. We *think* they *must* exist and *they or some* surrogate carriers *must* come into contact with the target to transmit the action. But again, *why must* the interstellar space be a ***real*** vacuum? Is it not rather, a *veritable ocean of light* of all wavelengths, at least those that we dare call them light, that *are indeed both waves and particles?* An ocean studded by the heavy celestial light-emitting and light-not-emitting *heavy* bodies? Sea

waves travel faster than the water molecules that carry them, that only bob up and down. Is it impossible that, in an analogous manner, lightwaves carry on them still faster gravitational waves that carry the gravitational effects? How impossible is it that what we call "action at a distance" is in reality the mediation of those still undetectable (if ever physically detectable) gravitational waves? The matter of the velocity of propagation of action and of effect has been dealt with in some detail in Chapters 3.6 and 4.4 of the book "Principia Physica Universi" appearing first in/of the series "The Free GPS Library", Satisfied with the mathematical formula of Newton's Law, what we have not asked and never answered is what is the *physical* reality represented by the expression GM_1M_2 ? Nor have we been *really* disturbed by the *hard fact* that it *cannot* be other than that represented in Faraday's Law by the numerically and *physically equal attractive* product q_1q_2 , since they both are equal to Fr^2 . (And really, mustn't there be a *physical* difference between just equal products of *separate physical* quantities and *separately* equal forces and equal separations multiplying with each other?)! Never asking and never attempting to answer these questions truly *is fully equivalent* to being satisfied with the *miraculous and purely magical* effect of mathematics in *physical Reality*, *if* we separate mathematics from the *mind that alone contains it*, especially when we also consider the mathematics having acted on the universe since its inception at $T = 0$, as we shall see below in X to XII, when it is clear that *no* human mind could possibly have been involved! An effort to bridge the divide between Newton's and Faraday's Laws has been made in The Fall of Falsehoods, §129, (pp. 248-50). (See also paragraphs IV, and V).

(III) [Those familiar with the extended Zeno's Paradox for matter might object that true contact is impossible when matter is infinitely divisible. However, it suffices that "contact" be the finite limit of an infinite series of increasingly close approaches as one goes ever deeper toward the infinitesimal. This is analogous to crossing a street half way, then half the remaining way, then half again, and so on forever. Although an infinite number of half-the-distance steps are needed, the series nonetheless reaches a finite limit (the other side) in a finite time. For a fuller discussion, see ref. 1, chapter 1.]

(IV) Modern physics has introduced the concept of “fields”, such as charge around a particle or gravitation around a mass. When the particle or mass moves, its entire field moves with it. However, this cannot happen acausally. For example, the mass may cause adjacent parts of its field to move, which in turn move more distant parts, and so on. This is what happens in any rigid body when one part of it is pushed: a pressure wave propagates through it, conveying the push to all parts of the rigid body. Therefore, fields are not a form of action at a distance. The fact that gravitational fields are seen to update faster than light can propagate [2] is an argument for faster-than-light propagation of forces, not an argument for action at a distance.

(V) Rather than attempting to resolve the question of "action at a distance" in terms of "fields", each one of which is tied to the particular body that generates it, while all "fields" interpenetrate each other *and all* other bodies around them whether in contact with them or not, the question is much better handled in terms of propagation of action and of effect in the manner suggested in the above references. Which, moreover, permits calculation of the time needed for the transfer of effect through the *continuous* non-empty-ocean-of-light in which *all* bodies are submerged, that also consist of that same light! When we realize that what we regard as "empty" space truly is an ocean of light we cannot see, and that *all* bodies, *including* light itself, consist of the lightest (in both senses) Democritean atoms, then we also realize that the universe is made up in a far more intricate yet fully consistent manner than we so far have considered. A manner that, in addition, obviates the usefulness and exposes the "truth" of the theories we so far have developed in our effort to understand the world with concepts the value of which is now seen to be totally dubious.

(VI) Having for a century and half submerged ourselves in the ill-conceived modern theories, we *forgot* the discipline of mind needed for proceeding to build on the age-long problems, questions and answers: Democritus, building on the then available "understanding", decided that the divisibility of matter cannot go on ad infinitum. He proposed the limit of the final cut known as the Democritean atom. We moderns never, as we ought, question whether this was the limit of dividing the *mass* of a body, or also the *volume* it

occupies! Logically, the two do *not* necessarily go together! *Only* if they do, may we say that the volume of a larger body is also divisible; and when most finely divided, *then total* vacuum surrounds the Democritean atoms, *in which case alone* may we speak of true action at a distance!

(VII) Ever since it became clear that (a) even light is a mass-possessing particle *and* a wave, (b) waves are more energetic (i.e., possessing *more mass* under the concepts of $e = mc^2$ and c being constant) the shorter their wavelengths, and (c) that the universe expands, the question "how much volume does a Democritean atom occupy?" and how are such atoms arranged in space can be answered in a number of ways: E.g., it is possible that the *first* emitted Democritean atom either possesses the *entire maximum* volume that is possibly available to it, that is none other than the *entire* volume of the *expanding* universe, in which case this statement is hardly distinguishable from saying that atom, being forever attached to the center of the universe, shall forever be being emitted, and all subsequently emitted Democritean atoms shall similarly ride on their immediately preceding one in sequence, the difference between them being limited by the infinitesimal dT of their emission just thus limiting their sizes; a possibility that visibly conflicts with observation! Or that the first Democritean atom was emitted as a complete and finished though ever expanding hollow sphere, with the outer surface of the second such atom just touching the inner surface of the first and so on thus avoiding the action at a distance through total vacuum; for otherwise we *would* end up accepting as logically unavoidable that the Democritean atoms existing *within* the universe *are* volume-distinct from each other *and* surrounded by *total* vacuum and thus truly acting at a distance; a possibility that also visibly conflicts with observation! Or that by *Law*, the Democritean atoms were *fully organized otherwise, most likely in groups*, from the moment the universe came into being, so that the emission of groups and their subsequent development was regulated in such terms of time as also to bring into being *all* observable and unobservable

wonder; a possibility that does *not* visibly conflict with observation, especially considering that the groups still continue to emit light of all by Law determined wavelengths that fills the *seaming empty* interstellar space.

(VIII) The broadest use of the concept of field is being made in the theory of general relativity in the form of "curved space-time". In *this* exact place, the original article "**Physics Has Its Principles**" stated: "If such a thing exists and can cause a body to move, then it must itself consist of something tangible or 'solid'; i.e., able to act on a body. If so, then it simply constitutes another action carrier updated by other carriers back to the source of gravity. It is reasonable to admit that we know nothing about what constitutes 'space-time' or how it carries actions. It is not reasonable to maintain that 'space-time' needs no tangible connections to either the source or the target of gravity. Obviously, many mathematical physicists in the field today do not think about 'space-time' as tangible in that way. This can lead to some frustrating conversations between people with incompatible perspectives about reality". Now, *unquestionably*, *if* the existence of curved space-time as an actual physical something is set in doubt, the *entire* conception of general relativity *is* set in doubt! And *if* curved space-time constitutes another action carrier that finally refers back to the source of gravity, it is gravity that *must* be considered the *cause* and the curved space-time *must* be considered the *effect*, and *not* the other way around, as Einstein exactly by the means of general relativity attempted to set the physical priorities! And *if* it is reasonable to admit that we know nothing about what constitutes 'space-time' or how it carries actions, then we *must* openly state that general relativity has *not* helped us understand the universe it promised to explain! And *if* it is not reasonable to maintain that 'space-time' needs no tangible connections to either the source or the target of gravity, then clearly, it is *gravity* that *is* the principal universal operation and general relativity is the theory that *more than any other has made incomprehensible the simplicity of physical reality!* So at last is an outsider finally told of the infighting, in the original article called "frustrating conversations", taking place in the inner quarters of the club of mathematical physicists debating among themselves the properties of physical reality!

(IX) To be specific, (and make thoroughly clear the bone of

contention and how it is *gravity* that truly controls *all* physical events in the universe and *not* what general relativity chooses to believe as real) consider a marble at rest in a curved space-time, as in Figure 1. If at rest, it *must* remain at rest unless some force acts on it. We are told to visualize that the marble will tend to roll downhill, and this is how “curved space-time” produces

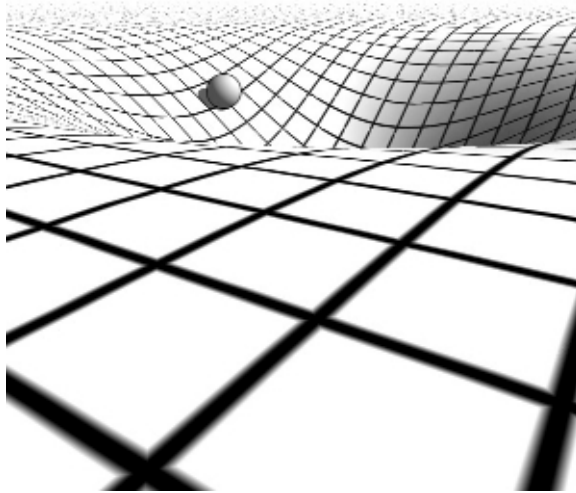


Figure 1. Rubber sheet analogy for "curved space-time" artwork by Starosta.

the effect we call gravity. However, from a causality perspective, if the rubber sheet or “curved space-time” were located in space without gravity already present under the sheet, the marble would just stay in place on the side of the hill. The existence of curvature, even when time is involved in the curvature, is not a cause of motion. Only a “force” (a conveyor of momentum) can induce new motion. The force is the proximate cause.

(X) So, now finally it seems to be the time to *suspend* belief in the theory of relativity, both special and general. The dimensional analysis of Newton's Law of Gravitation and astronomical findings support only the option of a truly constant G and M , respectively the universal gravitational constant and the total mass of the universe. Under these conditions, the average mass density D , and the volume of the universe V are variable, and the dimension of time T is

nothing other than the *age* of the universe, that inescapably *is* variable, and **not** some arbitrary value of "time" that *cannot* physically be understood except as the *age* of the universe! *Thus* one finds that

- (a) the radius of the universe is: $R = [(9/2)GMT^2]^{1/3}$,
 (b) the velocity of its increase, being nothing other than the velocity of light, is: $c = dR/dT = [(4/3)GMT^{-1}]^{1/3}$,
 (c) the *average* density of matter is: $D = (6\pi GT^2)^{-1}$,
 (d) while: $Rc^2 = 2GM$.

These, for $T = 12$ b.y., give the values:

$$M = 1.15 \times 10^{56} \text{ g}, \quad R_{\text{present}} = 1.70 \times 10^{28} \text{ cm} = 18 \text{ b.l.y.}, \\ D = 5.45 \times 10^{-30} \text{ gcm}^{-3},$$

whereas for light to retain an identical velocity everywhere within the universe regardless of the direction of its motion it is necessary that

$$GM_r / r^2 \equiv GM/R^2,$$

leading to the local density of matter at $\rho = r/R$ being

$$d = (2/3\rho)D = (9\pi\rho GT^2)^{-1}.$$

[Note that the Schwarzschild relationship and radius produced above on the basis of the dimensional analysis of Newton's Law of Gravitation and the resulting diameter of the universe being $(3/2)cT$ are *fully understood* in terms of a higher than the present past velocity of light, whereas as produced by the theory of general relativity, trans-fixed on the principle of the constancy of the velocity of light, they remain *totally unexplainable!*]

(XI) The difficulty Planck had with the concept, and the still believed constant unit, of action h had to do with the fact that action had not yet been recognized by science as a fundamental property of the physical universe. Considering that

(action) = (energy) \times (the duration of time this energy acts),
 the action performed by the fundamental particle/photon m_0 in time T

$$\text{is} \quad dh = m_0 c^2 dT,$$

and the present total-since-creation action of m_o , and of the universe as a whole, must be written respectively as

$$3m_o c^2 T = h, \quad 3M_o c^2 T = H,$$

that produce: $n_o m_o = M$, $m_o = 6.489 \times 10^{-66}$ g,

$$n_o = 1.772 \times 10^{121},$$

$$H = 1.174 \times 10^{95} \text{ ergsec.}$$

(XII) Absolutely no theory to date has produced exclusively from within it these relationships and values! Which, moreover, demonstrate unquestionably the *variability* of the velocity of light, thereby *demolishing* the special theory of relativity, on which the general theory also stands, as well as the *belief* in the constancy of the energy content of the universe! But these equations do a great deal more: For they *unquestionably prove* the expansion of the universe, at $T = 0$ having $R = 0$, $c = \infty$; when the force of gravity was also infinite! Which clearly demonstrates that the precedence has been given to *expansion* being *moderated* by gravitation.

(XIII) Nor is this all! Because, when the quantum theory is re-examined ab initio based on Lorentz's suggestion that the electron be considered and examined as a hollow sphere, it turns out that the polar moment of inertia of a hollow sphere vibrating about a middle radius *has the dimensions of action*, which is thus *physically introduced* in the operation of the electron and is *not* forced upon it as it was done by Bohr and later by the still current quantum theory; that, moreover, has imposed upon us the notion of uncertainty/indefiniteness! The classical geometrical structure of the electron in the atom *obviates* these ideas! Suffice it here to state even in words that the Planck "constant" *is in reality variable*, increasing with the $\frac{1}{3}$ -power of the universal age, but *is* the least amount of action involved in a reaction as unquestionably demonstrated by the atomic absorption spectra. At $T = 0$, the total action of the entire Universe could *not* have been other than 0! [See: "Principia Physica Universi".]

(XIV) When all these *unquestionable* mathematical relationships

of utter simplicity relating the universal physical quantities to each other ever since $T = 0$ and the arithmetic data they produce being so close to the best astronomical measurements are considered, only then are the quandaries baffling the scientists finally resolved! As there also can be no doubt that mathematics are purely intellectual material, the question arises as to **WHO** truly was that established these *mathematical* relationships as **unquestionably firm Universal Laws** regulating the operation of the *physical* Universe ever since it came into being! On the power of the causality principle, demanding that “every effect have a *prior* cause”, and more precisely, “every effect have an *antecedent, proximate* cause”, we are obliged to conclude that, at the initial borders of the universe, the **WHO** who acted *did unquestionably have all the wherewithal* needed to bring this Universe into being! If we reject this proposition about WHOM who acted, on the grounds that it is equivalent to a clearly non-physical (as presently “understood” by science) intervention, being therefore no other than **a miracle with no one performing it**, we *cannot* explain the in-a-certain-not-infinite-past-time-sudden appearance of the universe as anything other than a violation of *both* the causality principle **and** the no “creation ex nihilo” principle considered next, which *cannot* be regarded as other than a **double miracle with no one performing it**! Faced with this *double predicament*, and being *objectively* unable to reject both options, the wiser act is to reject the double miracle option and to accept the one, now *so-called* “miracle” option that *conserves both*, principles, even as it clearly forces us to accept it as a **very hard fact** that Reality consists not only of just ordinary physical-tangible-material that alone falls under the purview of science, but also of *other* “material” having intellectual-imaginative-self-inspirational-creative-sustaining-purposeful powers that together **sufficed to bring into being under demonstrable Law** the observable physical-tangible-material universe! Whether *we* like or dislike this finding, is no longer a matter of Logic (that now compels otherwise—as it was just suggested) or principle, but a matter of acquired-instructed taste

while in ignorance of all the facts standing firmly behind the Law of Gravitation.

5. No “Creation ex nihilo”

(I) “No creation ex nihilo” is the principle that something cannot come into existence out of nothing. In a sense, it is another manifestation of the causality principle because such creation would represent an effect without a cause. However, this is a particular case worth considering on its own merits because our primary cosmology today, the Big Bang, begins with the ultimate creation-from-nothing scenario - the mass, space, and time of the entire universe from nothing - as its first step. Well, using words with the utmost possible care, we **must** say that, the presentation and discussion in Section 4, on the *sufficient* power of the equations the dimensional analysis of Newton's Law of Gravitation brought to light and of the numerical findings produced from these equations, suffice to show that this universe *did indeed come into being* at $T = 0$, ex *corpo* nihilo (here referring *solely* to its material five-dimensional corpus), under the mathematical laws (of a **clearly intellectual, not** material nature!) given above, obedient to the simple single command known as "Let there be light!"; and as it grew up, *under a whole host of additional* Laws **included** in the original order organizing into groups the *lightest of all identical* Democritean atoms, **did** develop to become what we now observe it to be! The **hard** fact that this universe did come into being and operates as the Laws given above demonstrate **suffices** in and of itself to **prove** that an **ACTOR**, of a nature **other** than of the physical nature of this universe, **did truly act** as the *proximate* cause of this universe.

(II) So far, creation ex nihilo has been forbidden in physics because as seen from this side of the divide it requires a miracle; but as seen from the ACTOR's side, *the fact that he did effect what he intended proves sufficiently that he did not act outside the realm of his own capabilities*. In other words and whether we like it or not, this world *continues* to be within his realm. That he chooses to insinuate his presence in the mathematical form of the equations derivable from

the analysis of Newton's Law of Gravitation cannot in the least be considered to be a disadvantage of his, but rather a *conscious* choice on his part not to impose his presence on us, leaving it to us to draw our conclusions even as regards this his choice. Everything that exists *continues* to come from something that existed before, that, however, need not have grown, or fragmented, or changed its form, but only as *it* has chosen to apply its own power and its energy. The notions that growth requires accretion, nourishment, or energy input, that fragmentation ranges from chipping to evaporation to explosion into bits so tiny that we can no longer see or detect them, and that changing form includes changes of state, such as solids, liquids, gases, or plasmas, as we understand them from within this universe need not apply to the state of affairs existing before the coming into being of this universe that we know. Of the earlier state of affairs, we may *not* make *any* logical statement other than that it produced the present state of *physical* affairs that did *not* exist before they came into being.

(III) The double stress on *physical* is meant to distinguish the physical from the intellectual realm. We have absolutely *no* logical permission to confuse the two: We are *both* physical *and* intellectual beings, partaking of both those characteristics, but we have *absolutely no right* to conclude that the intellectual part of us is an emanation of the physical. That it is is a *cultural* dictum inculcated *purposely* in order to supply us an escape from the *otherness* of the intellectual world, that unless he is believed to be a physical emanation, it insinuates a *direct* relationship to what is termed "theological" *despite* the incompleteness of our "understanding" of it that is essentially close to minimal! However, one look around suffices to draw home the point attempted to be made clear here: We and the chimpanzees do not differ biologically by more than about 2%; but those animals do *not* exhibit *any* of the *intellectual* (to be clearly distinguished from the instinctive and altruistic ones that are clearly visible at least between mothers and children of the same animal species, or members of different species having grown up in a close human environment as to wonderfully develop *true* caring for

each other) characteristics that we possess. Only the Greek word *Λόγος* conveys the *Totality* (known and still unknown) of the Intellectual Realm and of Logic (that is *not* limited to the state of our own, but extends to the "ends" of the Perfect *Λόγου*)! By *that* Totality does the Perfect *Λόγος* take care of Himself. *All* artistic, linguistic, mathematical, musical, philosophical, poetic, scientific and theological activities belong in the intellectual realm of which no other animals except us partake. Now, however, we do *indisputably* find that the mathematical (and arguably the most demanding part) of the intellectual realm is *not* uniquely ours, but is also proven to belong to the **WHO** who established the Laws on which this entire physical Universe functions. With this understanding now firmly in our possession, we *are* justified to wonder also about the nature and extent of the other intellectual capabilities of **WHO**, that now most certainly may *not* be confined to those fields in which ours are limited.

(IV) So, too, now we must say that "matter" and "energy" may *not* be regarded as simply different forms of the same substance, convertible back and forth. Matter is solely mass, whereas energy is the product of mass and the square of velocity, which (if constant) is in turn the quotient of distance travelled within a certain time period (or more exactly during the interval between two different universal ages). The phrase "it is easy to visualize matter as exploding into ultra-tiny bits that we might call "energy" *is thus misleading*. As is that "but part of that energy consists of the high speeds of bodies", since high or low speeds are *not* a wholesome direct part (as, say, the 20% of the total energy) but a *constituent* part of the energy, as exactly stated in just a few lines above! Where does that energy come from? Bodies have small constituents inside atoms that already have high speeds. These constituents may be liberated by an explosion, just as high relative speeds of bodies can be converted into fast constituent motion (heat) during a head-on collision. Even if we could not be specific about how this happened, we could still be certain that energy is not created on the spot from nothing.

(V) So-called spontaneous particle creation from vacuum need not violate this principle because the so-called "vacuum" is *not* empty. So-called "zero-point energy" is energy of the vacuum, implying that the vacuum is occupied by

substance on a scale too small for us to yet detect in any form other than in Casimir-type experiments. The principle only requires that the ingredients from which something is made pre-exist, but not that we can discover them yet. To within a time period of the already created universe, this statement is correct. But now, it is clearly seen that this *cannot* apply to the moment of creation of the universe at $T = 0$; simply because we have *absolutely no physical evidence of physical bodies* preexisting that moment! We only have the equations produced by the dimensional analysis, that are intellectual products of the "state of *being* (*not necessarily of material 'things' as we know them after creation*)".

(VI) It is a result of the ignorance of the knowledge provided by the dimensional analysis that, religious people truly wonder why physics does not admit creation ex nihilo as an "act of God", and therefore a valid cause. However non-economical, and non-testable hypothesis the "act of God" was thought to be before the knowledge now at hand, then correctly thought to be violating two of the criteria of Scientific Method, now with that knowledge at hand, violation of the Scientific Method may *no longer* be claimed! The **WHO** *is* present behind the equations! Whereas it is true that, "acts of God" can be claimed as a potential explanation for everything, ending the need to investigate further and discover predictable causes, reasonable people are by Reason bound not to suspend the need for investigating causes! As long as there are observations and experiments that can be explained without need of miracles - something that has so far been believed to be true, solely on the belief that events recorded in ecclesiastical history (such as the resurrection of Lazarus) can be dismissed as unreliable - this principle may no longer remain as an inviolate guideline. Even if an apparent exception arose, as indeed *this has now happened* at the universal age zero, we must *not* regard it impossible to assume and investigate circumstances where a more economical, and therefore more scientific, occurrence than an act of the Supreme Being did in fact take place. This will guarantee that false religiosity will *not* run amuck! See also Section 11 of this paper about "Repealing Physical Principles".

6. No “Demise ad nihil”

(I) The counterpart of not allowing the creation of something from nothing is “No Demise as nihil”; i.e., something cannot become nothing. However finely a thing may dissolve, however undetectable the bits of “energy” into which a thing may explode, if it were at all possible that all the individual bits were brought together again with the same ordering, the original thing would be recovered. In other words, nothing has ceased to exist; it has merely changed its appearance or form. But this is a *big* if, as it requires *reversal* of the process that brought on the dispersion, i.e., *reversal of the laws that regulated that dispersion*. But now, in view of the new findings discussed above, for reversal of the laws to take effect, a reverse order of the ACTOR is inescapably needed, based on his judgment of an *objective need* requiring satisfaction by means of this reversal. If, *at any one moment*, the ACTOR decides that the present universe under the present laws it obeys *has exhausted the purpose* of its having been brought into being, *nothing* prevents him from then *canceling* the operation we call universe; and that *is* indeed *demise ad nihil in the terms of the present universe*.

(II) But now, in view of the discussion in 4.(VII-XII), *all* speculation called (and based on) the theory of relativity must be seen to be *pure* speculation based on *no* hard physical facts: It is imperative that no theory can claim respect if it intends to misguide even by the choice of its own name, or leads to inevitable contradictions. Consider: even the name "relativity" is *prima facie* gratuitous. It ought to have been "referentiality", as in matters of science and physics we *must be both accurate and precise*: simply because that whole theoretical edifice refers to the *appearance* of the world as it is seen from and it refers strictly to another **totally independent** system of coordinates **totally unrelated** to, i.e. **independent** of, the original one!

(III) As regards special relativity, the "paradox of the twins" it has generated is a good example **proving** the badness of the theory, especially when seen in the following light: Of the twins, one travels away and later he returns. The theory claims that he returns *objectively younger* than his based-at-home brother. But here comes

the inescapable snag: What if the traveling twin unbeknownst to his brother so adjusts his velocity vector that as referred to the moment of his departure, it be the *exact vectorial opposite* to the velocity vector of his at-home-staying brother *relative to the center of the galaxy*? His "return" will take quite some time, but now *who truly* returns? Doesn't the "traveler" stay ***truly motionless*** relative to the center of the galaxy, and isn't his home-based brother who truly traveled? (Here for simplicity, we do not consider the *additional* effect of universal expansion which was unknown both in 1905 and in 1916). On what *solid* objective grounds may the at-home-stayed brother consider his twin younger? And on what similar grounds may the "traveler" consider *his* twin younger? Did they not part at a ***certain*** age of the universe and did they not reunite at a ***certain later*** age of the universe? Isn't the latter minus the former age ***identical*** for them both? Here neither we nor the theory speak of biological or mechanical effects due to traveling, *that we still cannot and have no idea how scientifically to evaluate*, but strictly of ***true absolute*** time differences! *But the theory was designed to abolish all absolutes, and all discussion about them!* Consider also that this is *not* the only way that the special relativity theory falls down flat on its face! It is in its nature to produce many similar conundrums! Consider the matter from CONTRA PHILISTINES AND SYCOPHANTS. p. 118 where it is stated:

"But we are *not* talking of *mere* "paradoxes" here! This is a *deliberate misnomer for intrinsic and ineliminable logical bungling!* If Einstein's contention be true that $\tau = t(1 - v^2/c^2)^{1/2}$, then looking in the opposite way, from that of system K' at a clock *seeming* to travel with the system K, we are honor bound to declare as *equally true* that $t = \tau(1 - v^2/c^2)^{1/2}$!!! To this, *no* self-respecting relativist may take exception! But then with both of these relationships being seemingly true, it *must* also be true that

$$t = \tau(1 - v^2/c^2)^{1/2} = [t(1 - v^2/c^2)^{1/2}](1 - v^2/c^2)^{1/2} = t(1 - v^2/c^2), \quad (26)$$

even for non-zero values of v (just as we did before see with the length R, Eq. 16, p. 106)!!!"

(IV) Nor is the above the only prime example of ***determined refusal*** to consider the objective hard facts: Because, as regards general relativity, the paper on it published in 1916 (i.e., well before

Hubble's finding) makes absolutely no reference even to the possibility of universal expansion, and to this day, hard-core relativists sticking to the ideas of the original paper still doubt the trueness of the universal expansion. But still, the question of how exactly the universe expands has *not* been adequately addressed: Are only just the distances between the celestial bodies observed by astronomers increasing, or are *all* bodies down to the Democritean atoms *and* the distances between them increasing, as *all these truly are* celestial bodies? As unquestionably the second option is the greater generalization permitting no favoritism, then *all* bodies expand, becoming ever "whiter holes", following the greatest ever white hole which was the entire universe at the exact moment its expansion began, that only an infinitesimal moment earlier, *if* such a moment can be accepted to have existed, was the *only* "black hole" we can at all name! So, without proper consideration of the law's of Newton ancillary consequences we are still searching the black night sky to discover in it "black holes", i.e., bodies going against the "fabric" of universal expansion that are unseeable *both* as a result of their supposed nature and for the need that we search for them in the dead black of the deep night sky, for how indeed can we *truly* tell apart total black from total black, when the so-called "black holes" are products of a theory based on *totally dubious principles, axioms, assumptions and objectives*?! To which we lately have added the additional worry, lest we discover one in the CERN supercollider! *Not* an altogether very wise general attitude considered on the whole! Which must be seen in light of Einstein's original paper, in which in the first paragraph of Section §4 he wrote:

"it is not my purpose in this discussion to represent the general theory of relativity as a system that is as simple and logical as possible and with the minimum number of [*unevaluated*] axioms; but my main object is to develop this theory in a such a way that the reader will feel that the path we have entered upon is *psychologically* the natural one and that the underlying [*unevaluated*] assumptions will *seem* to have the highest possible degree of security".

In this, only the material in the brackets and all other emphases have been added in an effort to make absolutely clear to today's

deeply concerned reader the exact spirit in which Einstein undertook to *rewrite as it were the structure of the entire physical universe* so that *it* comply with *our psychological* inclinations!—As if *our psychological* inclinations can determine and set the structure of the universe!—As if that is not *the most licentious presumption* set down on paper by *any* mortal ever! And one *is* honor bound to ask whether the present-day relativists are aware of this statement, and if so on what scientific grounds *they* have mutely tolerated it as truly obliging present-day science!

(V) We *must* question and set entirely apart from and totally outside of our conception of the Principles of Physics as totally foreign to it and to them the *psychological* forces that pushed Einstein to this whole conception: One *cannot* honestly see another motivation than the fact that he could *not* determine another really good reason on which to make an argument to the effect that *every* view, regardless of the "system of reference", whether political, racial, religious, scientific, or social be regarded co-equal to any other broadly similar to it, or falling in the same broad category called *psychological, as each one is thus freed to define it!* He surely was *not* oblivious to Galileo's travails; whose findings collided with the then Pope's view that the earth was the center not only of the solar system but of the entire universe, so that *he, the Pope*, be at the absolute center of universal attention, even if only slightly off center, as he could *not* figure "His own Holiness" to be at the exact center of the earth, already known to be a sphere! At least, however, the Pope had his own *ecclesiastical* claims to consider, *not* just his *psychological* needs! I suppose, Einstein's friendship with Freud *must* have had something to do with it all!

(VI) Which, however, made him truly oblivious to another and *inescapable physical universal* effect truly afflicting *every* observer subject to the constraints set by general relativity *if* the latter were at all true: Imagine everyone of us going hither and thither: Staying always at the center of the universe regardless of our motion means both that *we all carry and suffer the drag of the entire universe*, in

full face of the *hard fact* that the universe *cannot* have so many centers going simultaneously hither and thither, but *only one and motionless center, as there is no physical way or any reason we know or suspect of for it to move at all in space as a whole!* Which relativistic attitude has *not* left unaffected all seemingly "knowledgeable" present-day conversationalists, all sticking to their own points of view, claiming them all "equally right", and leaving themselves free of the obligation to put all their heads together to find *which* truly is the best view of the matter under discussion for them all to adopt!

(VII) *In addition to all other cumulative assumptions he had made thus far that nobody has carefully counted*, Einstein, in Section E§21 labeled "Newton's Theory as a First Approximation" of his 1916 paper on General Relativity, made at least five more (as long as I can detect them correctly) well hidden in the phraseology, before he could reach his conclusion. He gave no estimate of probability for the correctness of each one of his assumptions. If we assume that each of just those five is as likely to be right as to be wrong, the total probability of all five being right is $(\frac{1}{2})^5 = 0.03125$; for each individual probability of 0.9, the total probability is 0.59059; for each individual probability of 0.95, the total probability is 0.77378; for each individual probability of 0.98, the total probability is 0.90392. These numbers should give a measure of how likely it is for the approximation thus reached to have been right! Suffice it to say that even if only one assumption in a series of consecutive assumptions is wrong, the *entire edifice built on them all collapses!* No mention of the sum total effect of the value of truth of assumptions used consecutively in a series in the search for Truth sought by means of physical theory-building has ever been made by the theorists!

(VIII) General Relativity introduced even the idea of gravitation in the *absence* of matter, that appeared later as a result of "condensation", effected "somehow", of the energy of the field. The hard fact that matter is matter, and energy is (matter)x(velocity squared) was "tactfully" ignored. Crucial in this difficulty was the

"contribution" of B. Russell who gave the velocity of light the name "physical unit", which, silently, he equated to the *dimensionless* number 1! Thus $E = mc^2 = m!$ And the relativists applauded!

(IX) Neglecting all this, it is conjectured in general relativity (GR) that "black holes" might exist, in which case anything inside an event horizon would be out of communication with the rest of the universe. Such a condition might appear to be the practical equivalent of passing out of existence. However, even for black holes, indications of existence can still be found outside the event horizon in the form of a gravitational field, so the object does continue its influence on the universe. Questions: How can the "practical equivalent of passing out of existence" continue its influence on the universe??? And are the indications real or imagined?

(X) Nonetheless, as we will shortly consider, objects such as the "black holes" presently attributed to GR are forbidden to exist by the principles of physics (such as the next principle below). A type of astrophysical object for which escape velocity exceeds the speed of light might exist, and we might choose to call that a "black hole". **But which(???)** type of *astrophysical* object can be said to exist, the escape velocity of which exceeds the speed of light (and thus *may already be outside* the outermost surface of the expanding universe, and thus be *undetectable by any physical means* available to observers inside the universe?), that we might choose to call a "black hole"? This sort of *wily speculation totally beyond all imaginable limits of permissible tangible scientific reasoning* in no way can be considered to be part of *any* hard science! And so, how can one insist saying that, however, such an object would presumably remain in two-way communications with the rest of the universe through the action of *still totally unknown* faster-than-light particles, and that that-so-said-body shall eventually disperse in some way as everything eventually does??? Which *cannot* still provide an example of demise ad nihil???

(XI) Question: Is all this *hard* science, or is it only crypto-religion, the object of worship of which is the *unbridled* uncertainty, over which rules the *total uncertainty of believers even in uncertainty, even in relativity*, that today pass as hard science, while at the same time, at the very opening of the statement of the Principles of Physics, it is being confessed that "Something is wrong with science - fundamentally wrong[, as] Theories keep

getting stranger and stranger.”???” All this while, as already stated in 2.(III), the universe out there ... *respectfully saves intact* the unfinished paper on which the uncertaintists' nonsense is written down, to which they later return to complete it with what the universe *also keeps intact* in their heads???” How do such people dare abuse the *certainty* the universe serves them, which they proceed to abuse by writing about what *they suppose is its* uncertainty???” Considering *all* there is out there, what these people do most certainly is NOT Science!!!

(XII) NOW, IN VIEW OF ALL THESE, WE CANNOT CLAIM TO BE CONTINUING TO DO SCIENCE UNLESS EVEN THE PRESENT REVISION ITSELF (BASED ON THE COMMENTARY ALSO CO-SUBMITTED) BE REVISED TO ELIMINATE FROM IT ALL THAT CAN NO LONGER BE SUPPORTED BASED ON SANITY, IN THE FACE OF THE INCONTESTABLE EVIDENCE THE UNIVERSE MOST ELOQUENTLY EXPRESSES BY MEANS OF NEWTON'S LAW OF GRAVITATION *PROPERLY READ*, AND THE PHYSICAL/CLASSICAL-GEOMETRICAL/ENGINEERING HARD FACT THAT ACTION *IS A VERY FIRM AND CERTAIN UNIVERSAL PROPERTY, MOST CLEARLY SEEN AS THE POLAR MOMENT OF INERTIA PHYSICALLY BUILT IN THE ELECTRON, BEING A HOLLOW SPHERE VIBRATING ABOUT ITS MIDDLE RADIUS!* IT MUST FINALLY BE CONFESSED THAT THE UNIVERSE *TRULY IS THE GRANDEST ENGINEERED FEAT EVER CONCEIVED BUILT ON LAW*, BEHIND WHICH THERE STANDS ITS MAKER, **AND NOT ANY ILL-CONCEIVED IDEAS, FINALLY CONFESSED TO BE FUNDAMENTALLY WRONG** EVEN BY THOSE WHO USE THEM DAILY, AND EVEN TEACH THEM TO TRUSTING, HARD-CASH PAYING STUDENTS, TAUGHT TO SWALLOW UNCHEWED WHAT THEY ARE FED!!!

7. The Finite Cannot Become Infinite

(I) The last of the often-self-evident principles of physics we will consider here is “the finite cannot become infinite”, and of course vice versa. That is because no matter how many finite things we may collect, their total number and total substance remain finite. Likewise, if something is truly infinite (such as the set of all integers), then no matter how we divide it, at least one piece must remain infinite. And no matter how many equal-sized pieces we divide it into, each will still have an infinite number of components. But this discussion depends entirely on the *nature* of the particle. E.g., we saw above in 4(VII) how the universe began expanding and where its front now is some 12 b.y. later. But we *cannot* say what is the *present* wavelength of the first photon emitted, the outer edge of which now is at the very edge of the expanding universe! Was/is still light emitted "in particle form, yet of forever fixed wavelength", and so, totally distinct from the very next similar "particle" that followed after an *infinitesimally distinct "break" in time separating the two singular waves*, or is it a "*continuous* wave transmission the first section of which is wider than its very next and so on", while we conceive as a distinct particle the first, or any, part of this continuous form the in-phase part of this continuity? As very distant light sources seem to send light shifted toward the red, we may be well justified in concluding that the frontal section of outgoing light shifts smoothly toward the red as a function of time since the start of *continuous* emission *without any* break in-between distinct waves. If truly so, given infinite time as the universe ages, there is *nothing* to prevent the wavelength of the first wave to be continuously shifted toward infinity! But this hardly constitutes a singularity defined as in the first period of the following paragraph:

(II) A singularity is a point where something has become infinite. In astrophysics, it is a point where matter has collapsed to infinite density and infinitesimal volume. But in an expanding universe, this happening *is impossible*, for being contrary to the universal laws stated in 4(VII). The *only* singularity permitted in this expanding universe is the one at $T = 0$, and *it cannot be reached by any particle*, because all

particles were given an *outward* momentum that *cannot* be cancelled and reversed, even after infinite time, when gravity *shall have attained zero value!* Singularities may occur routinely in mathematics. But up to now, whenever a singularity occurs in a *mathematical* equation thought to apply in nature, some *physical* constraint intervenes and prevents it from becoming real in nature. For example, Newton's Universal Law of Gravitation, $a = GM/r^2$, where a is acceleration, GM is the product of the gravitational constant and the mass, and r is the distance from the center of mass, has a singularity at the origin, $r = 0$. The equation requires acceleration to become infinite at the origin. But in reality, the statement that "no test particle can ever reach the origin at the center of mass without first entering into the mass itself, which then changes the acceleration formula in a way that limits acceleration", *if at all real* (and it is *not!*) is a very poor one relative to the one just given above!

(III) A classic example of this principle operating in physics is the "ultra-violet catastrophe". It appeared that the energy of re-radiation of absorbed light should become infinite until Planck realized that such energy must occur in discrete packets, called "photons". Which is *not* an adequate explanation as *nothing* ought to prevent the re-emission of an *infinite* number of photons, except the physical *fact* (that was *not* considered!) that absorption turns energy into heat [only *some* part of which can be used as free energy while the rest is forever lost by what we call entropy] as the infrared wavelengths of which *cannot* be shortened on account of everywhere-everpresent universal expansion! In similar manner, every other potential infinity in physics forced-*introduced by mathematical theories* has always led instead to new constraints and improved equations lacking accessible singularities. But this, obviously, has only to do with the quality of *theories* of mathematical physicists about the universe, and *nothing at all with the physical nature of the universe itself* that calls for understanding, that none of the theories presented so far by any such method has addressed at all adequately! The universe permits discussion only of the original singularity at $T = 0$ as already presented and of *none* other!

8. Tangible, Material Entities Cannot Occupy the Same Space at the Same Time

(I) This obviously means literally the exact same space. It does not exclude a body being surrounded or even saturated by granules, a liquid, a gas, or a plasma. But no nucleus from any atom of one material entity can occupy the same space as the nucleus of any atom in another material entity at the same instant. Of course, if atomic nuclei themselves contain empty space, that can be occupied by something small enough to fit into the gaps. The principle merely forbids occupation of the identical space at the identical time by two tangible entities, but does not forbid filling in otherwise empty space. Again, all this discussion has to do with the *unmentioned assumption* that the fundamental particles of matter once called Democritean atoms are tiny and *absolutely* solid particles; for if they are not such but are light waves of a given minimal mass, then surely they can expand and be "superimposed by, or loaded with" other such particles. We seem to overlook/ignore that, just that does in fact happen *routinely* at every one moment: At night, we observe *simultaneously all the visible stars* (that is, those sending us light more intense than the least our organs can detect), which means that light waves do come into our organs from all directions without obviously as much interference from each other as to render them invisible or incompatible with each other, which is just what happens during the day also in the presence of the intense sunlight that warms us up!

(II) Another caveat seems warranted. One property that distinguishes particles from waves is the ability of waves to pass through one another without any effect on each other. Which was just discussed. However, when a wave passes, the constituents comprising the medium that carries the wave do not travel with it, but rather just bob up-and-down or back-and-forth in place (but this is an observation that has to do with waves in air or water) and it cannot be said that it also happens in *absolute* vacuum, which is in fact *the perfect medium* for light to travel and requires no "ether", as it was once thought as the necessary medium). And of course, the principle that no two tangible, material entities can occupy the same place at the same time very much applies to every constituent of the medium, whether part of a wave or not. The wave is transmitted by constituent collisions, which occur

without co-location of constituents ever occurring. It again is obvious that these last two periods *confuse* the notion of "tangible" and in fact remain stuck to the concept of "ether" (is it finally tangible or not?) without ever mentioning it, though it officially has been "abandoned"! As at present standing, the presentation of the Principles does not unequivocally state that the perfect medium for the transmission of light is in fact the *perfect* medium! Rather, it seems to have avoided mentioning the word "ether", yet only in order to re-introduce it under the *dubious* concept of the "field" as used in the general relativity theory.

9. Corollaries of Principles

(I) Many matters of considerable importance follow immediately from the principles of physics. For example, nature has no singularities. Not true! It has had the original one when the entire universe came into being and has none other! If it did have one of the nature of absorbing matter into itself, matter would disappear from the universe, violating the no demise ad nihil principle while also violating the finite cannot become infinite, which however does *not* constrain the volume of the expanding universe that is not discussed in the Principles! The phrase "The continued action of an external gravitational field after the cause of that field has permanently ceased to communicate with the outside universe is an effect without a cause" must be judged superfluous and tending to confuse in the face of the rejection of additional matter-absorbing singularities and our total ignorance about the existence of external universes of the very same nature as that of ours! And the phrases "And the strange temporal properties of black holes have led to the proposal of "worm holes", which violate the no time reversal principle. Black holes and worm holes are fun science fiction concepts, and are much touted and discussed by mathematical relativists. But no physicist who understands the logical necessity of the principles of physics as descriptors of reality can take such concepts literally" present in what ought to be the austere context of Principles tend to dilute their austerity, as admitting "from the window" as it were their context and its discussion.

(II) The paragraph "It follows from these principles that there are no

black holes in the traditional relativity sense of event horizons centered on a singularity. This does not preclude highly collapsed states of matter generating a high redshift for light, or possibly no light escape at all. But such objects would continue to have normal gravitational and electrostatic forces and be in two-way communication with the rest of the universe. Some of the fantastic properties of black holes will therefore turn out to be fantasies after all" is justifiably suspected as an attempt to have it both ways as to take advantage of having predicted an outcome, however it turns out in the future! An article called Principles of Physics must be dealing in the most austere manner with what at the time of its writing deals strictly with what is firm and beyond all dispute given the objective knowledge of the time. Speculation on dubious concepts may *not* be allowed in such an article.

(III) Further, in light of the *new* material already presented in this Commentary/Re-examination of Principles, the paragraph "Perhaps even more importantly, the physical principles immediately imply that there was no Big Bang at the origin of the universe. The "Big Bang" also violates several physical principles: an effect with no antecedent, proximate cause; no singularities in nature; and no creation ex nihilo. If the universe really is expanding, an assumption very much in doubt [ref. 1, 1999 ed., chapter 22; reprinted from ref. 4], then something must limit how far back that expansion can be projected" is altogether to be excised. The phrase "then something must limit how far back that expansion can be projected" has *already* been answered with the *firm establishment of the moment of the coming into being of the universe that marks the beginning of the age of the universe that is the exclusive original limit **after** which the concept of physical time can have **scientific** significance.*

(IV) The phrase "Of course, religions have long taught that the creation of the universe is at least the one major exception to no creation ex nihilo" exposes as *confused* the "understanding" of Creation. A carefully considered statement of the religious concept *in no way denies but firmly stresses* the prior presence of the Creator *and His ability and means at His disposal to create*; it only *denies a new start as a sole result of something prior to the present universe, yet identical in nature with it!* For the reason that, this sort of universal recreation of itself, if it were at all that, would be a *contorted* restatement of an ever-existing physical universe, the infinite past age of which is in

constraints, are free to imagine or invent unlimited numbers of dimensions, and to ascribe any properties to them they wish. So one hears often of parallel dimensions, hyper-dimensions, multiple time dimensions, more than three space dimensions, etc. It is easy to forget that such ideas are fictional concepts. We have *not a single observation or experiment that cannot be fully and completely explained with three dimensions of space, one of time, and one of mass (or scale)*. And despite having many theories of extra dimensions, we have *no theoretical requirement for any but the five that are part of our everyday reality*. So it is easy to forget that Occam's Razor then requires that we not invent extra physical dimensions unless and until some necessity arises — not convenience, but necessity. Extra mathematical dimensions are fine if they serve a purpose, but should not be confused with physical reality.

(II) A second point about dimensions is that they are scales for the measurement of intervals. As such, they are ordinarily defined to be smooth and linear. Why complicate dimensions unless doing so serves a useful purpose? Moreover, scales for measurement are insubstantial; i.e., they have no substance. Therefore, a dimension cannot be affected by matter or by a force. Consider a common example, often seen in general relativity texts: "curved space". Think of a light ray following that curvature and bending as it passes the Sun's mass. GR suggests we think of the ray path as straight and space as curved. But it would be simpler, as in classical physics, to think of the ray path as curved and the space as straight. In fact, wherever we are in the universe, we can always construct three mutually perpendicular lines, extend each of them to infinity in both directions, and have all observers in the universe agree that these lines are straight, uniform, and parallel to the straight lines of all other observers, even if they pass near or through large masses. There is clearly no necessity for having curved space, whatever masses or forces may do to light, the vacuum, or other matter. For example, any two points along the curved path of a light ray past a mass can be joined by a taut string, which (if it is strong enough to resist the pull of gravitation and other forces) describes a straight line through space, and a shorter path in space than the ray takes.

(III) Therefore, the term "space" should continue to be used with its classical meaning, the dimension for measuring separations. If we have a theory in which we might like "space" to expand or contract, we must choose a different word, because the meaning of the word "space" is reserved for a useful concept that can have no distortions. For example, we might then have to say that "a space-filling medium" expands or contracts. That grounds the discussion in reality, and eliminates the fantastic.

(IV) Similar remarks apply to time. Clocks may change rates, and they apparently slow down when in a gravitational field or moving relative to such a field. However, the dimension of time can remain as smooth and linear as we please, so we choose define it that way. Then time is simply a measure of change. In much of the 20th century, it was thought that time could not be measured apart from the behavior of clocks. However, experience with the Global Positioning System (GPS) has shown that, even when clocks move with

different relative speeds in different gravitational potentials, all can be synchronized in epoch and rate to hypothetical underlying non-moving clocks in a strictly inertial frame with the gravitational potential projected to any standard height. Then all such clocks will remain permanently synchronized, and make excellent measures of a form of "universal time", compatible with other clocks throughout the universe. One cannot avoid thinking that our experience with clock synchronization by means of the GPS system is very limited on account of the very short distances around the earth to which the system has been tested. For great distances around the universe however, exact synchronization requires (a) an exact knowledge of the age of the universe at the moment of transmission, (b) and exact knowledge of the polar coordinates of light source *and* target as of the moment of transmission, (c) an exact knowledge of the distance to target as of the moment of transmission, (d) an exact knowledge of how universal expansion affects the distance *and* the path to target following the moment of transmission, and (e) the actual moment-by-moment geometry of the path to target the light signal has to follow to reach the target. The identical light velocity change due to universal aging under a variable mass density related to variable r/R along the path is certainly helpful when the geometry of the light path is accurately known. But all in all, all these requirements are not in the least easy to establish whether as to clock synchronization or as to dreamed-of-and-destined-to-remain-a-dream space travel—if all that is needed has been included in this list and no more items are still needed to be known!

(V) The following paragraph (given the uncertainties of the assumptions and hypotheses made part of the theories on which all those fanciful considerations are based, especially in view of the doubt expressed even in the form of "if time is not a physical thing that etc., if..., if..." that dares question even the relation of the concept of time to the universe) is *not* science and may *not* be made a part of a paper attempting to put down in a *rigorous* manner the true Principles of Physics. It is only an exhibition of professorial speculation on which, precious time dearly paid for, is wasted!

(VI) However, if time is not a physical thing that slows down with speed

and stops for things moving at the speed of light (as is true in Lorentzian Relativity, but not in Special Relativity), then it follows that the speed of light is not a speed limit for the universe. A hypothetical spaceship traveling at the speed of light might see its atomic clocks stop at that speed, or perhaps even reverse if the spaceship moved faster yet. But time would march forward for the spaceship and the entire universe at the same rate as ever. If the spaceship used chemical propulsion, it might have as much difficulty propelling itself faster than light as a propeller plane would have trouble exceeding the speed of sound. But nothing prohibits this happening in principle if new methods of propulsion such as gravity, not limited by the speed of electromagnetic radiation, were employed for the purpose.

11. Repealing Physical Principles

(I) It may be fun to think of other dimensions, time travel into the past, magic, and numerous other mathematical and/or science fiction concepts but most certainly it is not science, if the word still has the meaning of the Greek word ἐπιστήμη that means "*firm knowledge of which one is a master*". However, it is useful to make a distinction between concepts that are possible, although we are not yet technologically advanced enough to make them happen (but then how do we *really* know that *are* possible?); versus concepts that are now and always(?) certain to be impossible because they lead to logical contradictions. This is reminiscent of the old argument: Can God, who is omnipotent, invent a square circle? The normally accepted answer is that even omnipotence does not enable a Being to devise a contradiction in terms. But this is another exhibition of underdeveloped "theology": God has *all the needed attributes perfectly perfected that make Him a Perfect Being*. As a result, *none* of His attributes can ever be in conflict with another. God, *not* Euclid created, Euclidean geometry. He will *never* undo it!

(II) Apart from what the next paragraph says about "traveling" to the past, it and the remaining two are just another example of childish "theology": Because, Economy *is* an attribute also absolutely perfected in God's Mind. As a result, God would *not* create what is short or in excess *even by one* Democritean atom of what is *absolutely needed* for attaining the Purpose for which He created the world! God is *above* matter: The simplicity, completeness and consequences of the Law of Gravitation demonstrate *sufficiently* for those who have trained themselves to understand that *God is Mind*

and Spirit: His *delicate* demonstration of His knowledge of mathematics is the *sufficient* proof of that. As such, He created the universe for an equally *Mindful and Spiritual Purpose*, of which we are fully capable, *if we* prove ourselves sufficiently disciplined. In this exercise, we *must* understand that the *entire* universe was *needed* for that *one* society of created beings *needed* for the Purpose of creating the entire universe. That society was *ours*! Another society capable of the same Objective would be one too many! So, we *must* forget about other intelligent beings! And then we *must* realize there was a reason He placed us on this *limited* planet: We *must* use its *limited* resources for the purpose of attaining the objective He had in Mind for us to obtain! If we still wonder what that is, we are perhaps much too late already! We come much too near to exhausting the resources of the planet, and every idea of space travel means exhausting the resources of the planet even faster! Even if space travel were possible for an objectively unknown and unknowable material destination, for the very few who would be off, *all the rest would be left to die* all that much faster in an exhausted fast-dying planet! Do we understand? Do we understand? Professors, do *you* understand? Theologians, do *you* understand? The politicians *are* much too stupid to understand! If we do not understand whether the reality we live is real or "virtual" (what a choice of a word, indeed!) we are much too deep in the substances that alter irreparably the human conscience! And for that we only have the professors to blame! *They* are our "lights"!

(III) In considering this difference, we should acknowledge Clarke's First Law: "Any sufficiently advanced civilization is indistinguishable from magic." The wording of this law notwithstanding, we can tell the difference between advanced technological feats and logically impossible feats. For example, we would not be too startled by an advanced species that had perfected Star-Trek-like teleporters, although that possibility is far beyond what our technology is capable of doing. By contrast, we could rest assured that no species, however advanced, can alter the past. Time travel into the past is a logical impossibility.

(IV) Now suppose that we encountered an advanced species that did have the capability to alter the past or violate other physical principles. Ironically, this is not a logical impossibility. For example, we have seen Star-Trek-like holodecks create virtual realities that are essentially indistinguishable from our own reality. Clearly, the programmer can alter the virtual reality program to

appear to defy physical principles. Nonetheless, the result is little different from watching a movie about time travel or black holes, even though we might have no awareness that what we sensed was fictional. So if we saw physical principles being violated, we could conclude with some certitude that we were experiencing a virtual reality.

(V) This raises an interesting philosophical challenge: How do we know that our present reality is not a virtual one? The short answer is that, if it is programmed to be faithful to all principles of physics and in other ways realistic, we might well lack any means of being able to tell which type of reality we inhabit. But ultimately, we are forced to act pragmatically and behave as if this reality is non-virtual because the consequences of doing otherwise are painful and catastrophic, to the best of our ability to predict them. [See [ref. 1](#), chapter 20, for a fuller discussion of “truth and reality”.] The discovery of a single, clear violation of a principle of physics would change that conclusion. So we can see that a great deal is at stake in adhering to the principles for as long as that remains possible.

(VI) The above three periods *all mutely assume that no God is necessary and* that the conditions in the universe, at least in some of its places elsewhere, have been such as to allow the *autonomous* appearance of civilizations *very much in the still totally unknown and fundamentally unknowable* way in which this happened here! Questions: Do we really miss the fact that, in/by making such assumptions, we *do mutely constrain* the field of our *intellectual* view, as we exclude the *potential* presence of other possibilities that we thus *refuse* to examine? Do we really miss the fact that this stance truly constitutes a *crypto-religious* attitude, the adoption of which, hidden in *obvious pseudoscientific jargon*, passes as open-mindedness supported by *seemingly* austere science? Because, I, for one, dare ask: in the absence of God, *what other than pure chance* organized this universe, and how indeed was *it* locked in *a/the* state that permits the *automatic* appearance of other, more or less stable, societies such as ours, if not even more stable than ours, as it *is* truly needed for them to produce even more advanced civilizations? What is more reliable to base our (I shall not call it faith but only) *seemingly* scientific conviction on: chance, that now is and now is not, and can *never* be locked to producing beauty, or the *possibility* (that is thus mutely rejected *unexamined*) of the existence of a Wise-Logical God of *unlimited* possibilities, using His Wisdom-Logic to

produce worlds of indescribable beauty? Is *ever* beauty the product of chance? Is not our world truly beautiful? Or are we truly so blind to seeing beauty? But if you say, "Just look at the ugliness!", how is it that *you*, my Dear Scientist, do *not* admit that it *is* totally man-made, being the *direct result* of our freedom that we *do* so badly abuse, as worlds lacking freedom are NOT worth having, as they would only be worlds of marionettes, with absolutely no one present (not even the Maker) that can be said to be enjoying the spectacle of *purposelessly* moving marionettes? *What meaningful* addition to this very universe would the presence of such marionettes make? If none, why have them at all? And if the seen ugliness is so bad as you say it is, for which reason *alone* (I shall *not* add the *sleepless feeling of guilt*, except only in a parenthesis!) you reject the *possibility* of the Creator, would a universe without us be truly more beautiful in your so highly refined eyes, or rather would *you* then call it, *with full justification*, *totally* purposeless?? Are *you*, my Dear Scientist, certain that you have *not* been instrumental in *also* producing the very ugliness that you charge the *possible* Creator with??? Isn't the Nobel prize financed by the profits made on the rights of using TNT *both* for peaceful *and* war (i.e., *purposely destructive and killing*) purposes??? Kindly, don't even dream of trying to divest your responsibility by claiming that physics is science and not politics! Physics is *also a tool*, as it is *also very much a social activity*, using *public, not private* funds; the A and H bombs *are weapons not toys*, intended to *terrorize into submission* even the have-them-not "friends" and not only the enemies! Neither Jehovah, nor Buddha, nor Jesus Christ, nor Allah was/were asked for, nor gave their permission to build and possess such and other weapons, nor endorsed the ugliness they can cause. So, kindly *don't* attempt to pass on the blame to a *possible* God! Here, I am NOT asking as a believer, but as an *agnostic*, trying to weigh the options before us, ignorant as of yet of the view of the world that is opened before us by the findings of the dimensional analysis of Newton's law of gravitation! Now, with those findings and *all their antecedents and consequences* in

full view, how indeed can we close this revision of the Principles of Physics as we started out by saying: "Something is wrong with science - fundamentally wrong. Theories keep getting stranger and stranger"??? And how indeed may we continue to face ourselves in the mirror *pretending* intellectual correctness and dignity, while *ignoring* (officially ever since 1986) *that* addition to our knowledge for no other reason than bitter sullenness for having terminally lost that game of cards that has left us without even the proverbial fig leaf to cover our total intellectual bankruptcy after having bet our everything in the "Principles of Physics", here having been put under *this* relentlessly magnifying microscope?

12. Conclusions

Only the *correct* principles of physics brought into complete agreement with the Laws obeyed by the universe are inviolate, because any contradiction would be tantamount to the collapse of Logic, that is now *proven* to relate to the supernatural. Allowing *seeming* miracles in the guise of pure chance into scientific theories makes them falsifiable, and exposes them to being proven as unscientific. Adhering to these logical principles and accepting "no miracles" (such as the universe *would* represent one such in the absence of its Creator) as the only valid "first principle" *must* now be known as "as the *new* deep reality physics".

The following principles were discussed here:

Every effect has an antecedent, proximate cause.
 No time reversal.
 No true action at a distance.
 No creation ex nihilo.
 No demise ad nihil, except when the universe has completed the purpose of its coming into being.
 The finite cannot become infinite, but the volume of the universe *can if it be left unrecalled*.
 Tangible, material entities cannot occupy the same space at the same time.

These corollaries flow from application of the principles:

Nature has no singularities, save the one it began with.
There are no black holes.
There was a one only Big Bang at the universal age $T = 0$
2-way time travel is impossible.

These corollaries follow from classical definitions of dimensions:

Extra dimensions are not needed to describe physical reality.
The five ordinary dimensions are always uniform, linear, and universal.
Physical time is the age of the universe.
The speed of light is variable, but is not a universal speed limit.

Discovering a definite violation of a physical principle as heretofore understood *would* question the quality of science so far produced, *not* the nature of the reality we inhabit.

Derived from conferences held at Cesena, Italy 1999/09/20
and Sutton, Montreal 2002/10/07
Minor update 2008/03/30
Major Revision 2011/03/05

- [1] Van Flandern, T. (1993; 2nd edition 1999),
[Dark Matter, Missing Planets and New Comets](#),
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[2] Van Flandern, T. (1998), Phys.Lett.A 250, 1-11.
[3] Einstein, A. (1939), Annals of Mathematics, 40, #4 (Oct.), 922-936.
[4] Van Flandern, T. (1994), Meta Research Bull. 3, 25-35; available through
[metaresearch](#).

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The original text, that here was re-worked and enriched,
as thought appropriate,
was taken from:

<http://www.metaresearch.org/cosmology/PhysicsHasItsPrinciples.asp>

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March 14/16, 2011.

27. Re: Has it been a fuzzy "creator" or *the* Demiurge?

Mr. Perry Marshall
CosmicFingerprints.com

Dear Sir:

I learned of your efforts to prove the existence of God through your advertisement in the NYTimes just two days ago. I tried to get in touch with your office but proved very difficult. Finally, I got a response dated March 12, 2011 6:44:50 PM GMT+02:00, that my e-mail service marked as "Junk Mail". It seems to me, too, that much too many are in the business of luring soft-brained "customers" their way by playing the "argument" of Theism vs. atheism! Much too many appear nowadays as benevolent and turn out to be the exact opposite, so much so that even electronic systems are being used in the attempt to kick them out of business. I am willing to give you the full benefit of the doubt: This is why I proceed. I asked for your e-mail address, but Denise gave me instead hers, stating that you prefer it this way. My request had to do with my concern that nothing, possibly embarrassing to you, would be spilled about the office. Well, *you* run the risk! I must say that I was rather favorably impressed with your efforts and especially with your statement (*if* I get your argument right) that the probability of a language-based process developing by chance is something of the order of 120^{-120} , until ...! I do not know how information *theory* led you to that conclusion, but I, too, and *without* a theory, have been led to the number of *about* 120^{120} about something *altogether different* through an *entirely different* route. Until I read *Vivian's comment* (*a participant in the conversation*) asking you whether "**you only desire to demonstrate ... that living things have a creator, [being] happy to accept that nonliving things exist de-facto [i.e., rather have existed forever, probably according to her understanding] and that a thinking being [i.e., a being you call "God"] simply chose to populate this habitat?**", to which you, Sir, answered

"That's right, I only desire to demonstrate that living things have a creator. I'm leaving matter to other people and other debates. Comment about Matter itself - since we know entropy is in effect and we still have "spendable" energy left, we know the universe and matter as we know it also have a finite life [you do *not* say whether past, or future, or all-in-all!]. They have not existed "forever." [*How do we really know?*] So the logical conclusion is that there was some kind of initial **singularity** event. Which is generally taken to be the big bang. Which does suggest an act of creation." [Where the "some kind" is still, of course, very fuzzy; which you accept as "science"!]

Since you claim an engineering training and background, your answer surprised me to no end!: You claim proof of, and implicitly your satisfaction with, the existence of a "creator" capable of *strictly organized thought (some of which is expressed in code-form resembling in its very gross architecture that of the codes computer experts write), intent and power* to construct material thinking beings (namely, at least us) AND other beings the thinking beings *must* use as their food, while you prove yourself *totally unconcerned about the entire, purely engineering feat of constructing the entire universe that calls for its Creator*, leaving to *others* to solve that problem! To *others*, that are *not* engineers, but mathematicians, physicists, theoreticians having *no* moorings other than their *totally arbitrary assumptions*, on which they *hope* (do they, or do they *only* keep on spending *other people's money* while *pretending* they do what *only they arrogantly* call "science"?) to navigate their otherwise *totally bottomless* boat in the vast ocean of the Universe!

Forgive me for asking, but are you *really unaware* of the blasphemy you commit by so, *tacitly, limiting* the concerns of whom you call "a creator"? Are you *really unaware* of the fact that you *thus expose your own absence of true faith* even in your "creator"? I cannot, now that I need it, remember where (in your writings or elsewhere?) I saw the reference to the **Wisdom of Solomon's** 11.21 verse: "...persecuted by their own deeds, and scattered by the breath of Thy power; but **Thou hast ordered ALL things in measure, and number, and weight**". Kindly, abstain!

I, too, am an American citizen, and *cannot but deeply regret* that Americans blaspheme to no end the Lord by considering the First Amendment their "inalienable right" to believe what they please, before first subjecting their thoughts to the *strictest possible examination of their collective intellect*, with a *firm eye to the Lord above*, rather than to "having fun" while still here! I have always considered it *every* American's duty, now that America "rules" the world, *truly* to lead even intellectually, even morally, even spiritually the world! *For, only thus may true leadership be stamped!* My own efforts since at least as far back as 1986 to move the "professoriate" in the direction of their duty has so far been in vain!

I do very much hope that my worst fears do *not* apply to you too, *only seemingly, for the needs of brevity*, having been so loose as exposed above! I want you, without preconceptions or undue reverence to "big" names that have made "history", to concentrate your *entire engineering attention to these incontestable facts, and only then decide the quality of the people to whom you*

transfer the responsibility for solving the bigger problem that you choose to leave untouched: [These in the smaller type from my letters to other scientists holding positions in the Internet analogous, I think, to yours, and to professors *none of whom ever had had the decency* to send the driest imaginable "thank you", people *expressly attempting to form and lead* the public understanding and professors daring to teach the young!]

(a) As regards special relativity, the "paradox of the twins" it has generated is a good example **proving** the badness of the theory, especially when seen in the following light: Of the twins, one travels away and later he returns. The theory claims that he returns **objectively younger** than his based-at-home brother. But here comes the inescapable snag: What if the traveling twin unbeknownst to his brother so adjusts his velocity vector that as referred to the moment of his departure, it be the *exact vectorial opposite* to the velocity vector of his at-home-staying brother *relative to the center of the galaxy*? His "return" will take quite some time, but now *who truly* returns? Doesn't the "traveler" stay **truly motionless** relative to the center of the galaxy, and isn't his home-based brother who truly traveled? (Here for simplicity, we do not consider the *additional* effect of universal expansion which was unknown both in 1905 and in 1916). On what *solid* objective grounds may the at-home-stayed brother consider his twin younger? And on what similar grounds may the "traveler" consider *his* twin younger? Did they not part at a **certain** age of the universe and did they not reunite at a **certain later** age of the universe? Isn't the latter minus the former age **identical** for them both? Here neither we nor the theory speak of biological or mechanical effects due to traveling, *that we still cannot and have no idea how scientifically to evaluate*, but strictly of **true absolute** time differences! *But the theory was designed to abolish all absolutes, and all discussion about them!* Consider also that this is *not* the only way that the special relativity theory falls down flat on its face! It is in its nature to produce many similar conundrums!

And further, (from CONTRA PHILISTINES AND SYCOPHANTS. p.118)

(b) "But we are *not* talking of mere "paradoxes" here! This is a *deliberate misnomer for intrinsic and uneliminable logical bungling!*: If Einstein's contention be true that $\tau = t(1 - v^2/c^2)^{1/2}$, then looking in the opposite way, from that of system K' at a clock *seeming* to travel with the system K, we are honor bound to declare as *equally true* that $t = (1 - v^2/c^2)^{1/2} \tau$!!! To this, *no* self-respecting relativist may take exception! But then with both of these relationships being seemingly true, it *must* also be true that

$$\tau = t(1 - v^2/c^2)^{1/2} = [\tau(1 - v^2/c^2)^{1/2}](1 - v^2/c^2)^{1/2} = t(1 - v^2/c^2), \quad (26)$$

even for non-zero values of v (just as we did before see with the length R, Eq.16, p. 106)!!!"

(c) Nor is the above the only prime example of **determined refusal** to consider the objective hard facts: Because, as regards general relativity, the paper on it published in 1916 (i.e., well before Hubble's finding) makes absolutely no reference even to the possibility of universal expansion, and to this day, hard-core relativists sticking to the ideas of the original paper still doubt the trueness of the universal expansion. But still, the question of how exactly the universe expands has *not* been adequately addressed: Are only just the distances between the celestial bodies observed by astronomers increasing, or are *all* bodies down to the Democritean atoms *and* the distances between them increasing, as *all these truly are* celestial bodies? As unquestionably the second option is the greater generalization permitting no favoritism, then **all** bodies expand, becoming ever "whiter holes", following the

greatest ever white hole which was the entire universe at the exact moment its expansion began, that only an infinitesimal moment earlier, *if* such a moment can be accepted to have existed, was the *only* "black hole" we can at all name! So, without proper consideration of the law's of Newton ancillary consequences we are still searching the black night sky to discover in it "black holes", i.e., bodies going against the "fabric" of universal expansion that are unseeable *both* as a result of their supposed nature and for the need that we search for them in the dead black of the deep night sky, for how indeed can we *truly* tell apart total black from total black, when the so-called "black holes" are products of a theory based on *totally dubious principles, axioms, assumptions and objectives*?! To which we lately have added the additional worry, lest we discover one in the CERN supercollider! *Not* an altogether very wise general attitude considered on the whole! Which must be seen in light of Einstein's original paper, in which in the first paragraph of Section §4 he wrote:

"it is not my purpose in this discussion to represent the general theory of relativity as a system that is as simple and logical as possible and with the minimum number of [*unevaluated*] axioms; but my main object is to develop this theory in a such a way that the reader will feel that the path we have entered upon is *psychologically* the natural one and that the underlying [*unevaluated*] assumptions will *seem* to have the highest possible degree of security".

In this, only the material in the brackets and all other emphases have been added in an effort to make absolutely clear to today's deeply concerned reader the exact spirit in which Einstein undertook to *rewrite as it were the structure of the entire physical universe* so that *it* comply with *our psychological* inclinations!—As if *our psychological* inclinations can determine and set the structure of the universe!—As if that is not the *most licentious presumption* set down on paper by *any* mortal ever! And one *is* honor bound to ask whether the present-day relativists are aware of this statement, and if so on what scientific grounds *they* have mutely tolerated it as truly obliging present-day science!

(d) We *must* question and set entirely apart from and totally outside of our conception of the Principles of Physics as totally foreign to it and to them the *psychological* forces that pushed Einstein to this whole conception: One *cannot* honestly see another motivation than the fact that he could *not* determine another really good reason on which to make an argument to the effect that *every* view, regardless of the "system of reference", whether political, racial, religious, scientific, or social be regarded co-equal to any other broadly similar to it, or falling in the same broad category called *psychological, as each one is thus freed to define it!* He surely was *not* oblivious to Galileo's travails; whose findings collided with the then Pope's view that the earth was the center not only of the solar system but of the entire universe, so that *he, the Pope*, be at the absolute center of universal attention, even if only slightly off center, as he could *not* figure "His own Holiness" to be at the exact center of the earth, already known to be a sphere! At least, however, the Pope had his own *ecclesiastical* claims to consider, *not* just his *psychological* needs! I suppose, Einstein's friendship with Freud *must* have had something to do with it all!

(e) Which, however, made him truly oblivious to another and *inescapable physical universal* effect truly afflicting *every* observer subject to the constraints set by general relativity *if* the latter were at all true: Imagine everyone of us going hither and thither: Staying always at the center of the universe regardless of our motion means both that *we all carry and suffer the drag of the entire universe*, in full face of the *hard fact* that the universe *cannot* have so many centers going simultaneously hither and thither, but *only one and motionless center, as there is no physical way or*

any reason we know or suspect of for it to move at all in space as a whole! Which relativistic attitude has *not* left unaffected all seemingly "knowledgeable" present-day conversationalists, all sticking to their own points of view, claiming them all "equally right", and leaving themselves free of the obligation to put all their heads together to find *which* truly is the best view of the matter under discussion for them all to adopt!

(f) General Relativity introduced even the idea of gravitation in the *absence* of matter, that appeared later as a result of "condensation", effected "somehow", of the energy of the field. The hard fact that matter is matter, and energy is (matter)x (velocity squared) was "tactfully" ignored. Crucial in this difficulty was the "contribution" of B. Russell who gave the velocity of light the name "physical unit", which, silently, he equated to the *dimensionless* number 1! Thus $E = mc^2 = m$! And the relativists applauded!

[And this a re-working of material from another letter sent out:] What can be the answer to all these? Nothing other than *totally abandoning belief* in the theory of relativity, both special and general and doing a *conscientious* engineer's duty (seemingly, as I have been astonished to discover, *totally unknown* to non-engineers and ignored by unconscientious engineers), which is none other than performing the strictest possible dimensional analysis of Newton's Law of Gravitation, the only Law we know that *truly applies out there, everywhere* in the Universe: That analysis allows only eight options, of which *all but one are rejected*, either because they contain internal antinomies, or are contrary to dependable astronomical findings, or both. The one option that survives intact and forces us to consider it as *necessarily the correct and universally operating* is the option of a *truly constant G and M*, being respectively the universal gravitational constant and the total mass of the universe. Under these conditions, the *average* universal mass density D, and the volume of the universe V *are both variable*, and the dimension of time T is *nothing other than another quality of the universe that is its own age*, that *inescapably is variable*, and **not** some *arbitrary and fundamentally incalculable* value of "time", that *arbitrarily* we have always thought of as eternal and thus intrinsically foreign to the universe, in which the universe "somehow" exists! This conception of "time" is *non-physical and must be forgotten!* We *must* understand that what we call "time" is *only another universal quality and quantity* that *cannot* physically be understood except as the *age* of the universe! *Thus* one finds that the radius of the universe is

$$R = [(9/2)GMT^2]^{1/3} = (3/2)cT,$$

the velocity of its increase, being nothing other than the velocity of light, is

$$c = dR/dT = [(4/3)GMT^{-1}]^{1/3},$$

the *average* density of matter is

$$D = (6\pi GT^2)^{-1},$$

while

$$Rc^2 = 2GM.$$

These, for T = 12 b.y., give the values

$$M = 1.15 \times 10^{56} \text{ g}, R_{\text{present}} = 1.70 \times 10^{28} \text{ cm} = 18 \text{ b.l.y.}, D = 5.45 \times 10^{-30} \text{ gcm}^{-3},$$

whereas for light to retain an identical velocity everywhere within the universe regardless of the direction of its motion it is necessary that

$$GM_r/r^2 \equiv GM/R^2,$$

leading to the *local* density of matter at $\rho = r/R$

being: $d_r = (9\pi rGT^2/R)^{-1} = (9\pi\rho GT^2)^{-1}$.

Note that the Schwarzschild relationship and radius produced above by the dimensional analysis of Newton's Law of Gravitation and the resulting diameter of the universe being $(3/2)cT$ are thus fully understood in terms of a higher than the present past velocity of light, whereas as produced by the theory of general relativity, transfixed on the principle of the constancy of the velocity of light, they remain totally unexplainable!

(g) And as for the quantum theory, that is an other very sorry story: The difficulty Planck had with the concept, and the still believed constant unit, of action h had to do with the fact that action had not yet been recognized by science as a fundamental property of the physical universe. Considering that

$$(\text{action}) = (\text{energy}) \times (\text{the duration of time this energy acts}),$$

the action performed by the fundamental particle/photon m_0 in time dT is

$$dh = m_0 c^2 dT,$$

and the present total-since-creation action of m_0 and of the universe as a whole must be written respectively as

$$3m_0 c^2 T = h, \quad 3M_0 c^2 T = H,$$

that produce:

$$n_0 m_0 = M, \quad m_0 = 6,489 \times 10^{-66} \text{ g}, \quad n_0 = 1.772 \times 10^{121}, \quad H = 1.174 \times 10^{95} \text{ ergsec.}$$

(h) Absolutely no theory to date has even come close to producing exclusively from within it these relationships and values! Which demonstrate unquestionably the *variability* of the velocity of light, and *demolish* the special theory of relativity, on which the general theory also stands, as well as the *belief* in the constancy of the energy content of the universe! But these equations do a great deal more: For they *unquestionably prove* the expansion of the universe, starting at $T = 0$ having $R = 0$, $c = \infty$; when the force of gravity was also infinite! Which clearly demonstrates that the precedence has been given to *expansion* that is being *moderated* by gravitation! Just remember the Command "Let there be light!!!"

(i) On its own side, the quantum theory never considered anything like the above. It started out with Bohr's "interpretation" of the spectrum of the hydrogen atom: He conceived that atom to consist of a proton and an electron in the fashion of the astronomical model of a star (here the proton) having a single planet (here the electron). Both the proton and the electron are being believed to have diameters of 10^{-13} cm (a size still beyond even our present capabilities of exact measurement!), when the hydrogen atom has a diameter of $\sim 10^{-8}$ cm. This is fully analogous to the Earth circling about the Sun to a distance 100,000 times the Earth's diameter, namely to a distance of about 4.3 times its actual distance from the Sun! So thin a dipole by no stretch of a willful imagination can be likened to a *real* physical sphere, as in fact the hydrogen atom is measured from at least crystallographic studies. Not even in its real distance from the sun can the earth prevent a body to fall on the sun from all directions in which the earth *cannot* stand as an obstacle! All this was "tactfully" ignored, as were the findings of structural chemistry and crystallography that had already determined the atoms to be spheres! The "success" of the initial Bohr theory was solely due to its using the concept of action in the form of Planck's h ; and that sufficed to land him the Nobel prize! But as that theory failed *completely* to interpret the spectra of all other atoms, the quantum mechanicians proceeded to construct the

so-called "new" quantum theory based on Schrödinger's *said precise* wave-mechanical yet *purely mathematical* theory. The "new" theory retained the concept of action and its unit h , ignored the demands of geometry, declared the electron to behave in a **physically unknown and unknowable** way and elevated the "principle" of uncertainty/indeterminacy to a **non-negotiable fundamental physical status!** With all these, the theory holds that the electron *jumps indeterminately* hither and thither and produces a so-called "electron cloud", as depicted in the so-called "probability space" diagrams. But still, *not in all* its quantum states does the electron manage to protect the nucleus *spherically!* To quantum mechanicians, geometry is of no concern!

(j) Against all this, when the quantum theory is re-examined ab initio based on Lorentz's suggestion that the electron be considered and examined as a hollow sphere, it turns out that **the polar moment of inertia of a hollow sphere vibrating about a middle radius has the dimensions of action! Action is thus physically introduced in the operation of the electron and is not forced upon it as it was done by Bohr and later by the still current quantum theory! This way, the so-called "principle" of uncertainty/indeterminacy is completely eliminated!** This classical geometrical structure of the electron in the atom *obviates* all the above currently held as sacrosanct ideas! Suffice it here to restate even in words that the Planck "constant" **is in reality variable**, increasing with the 1/3-power of the universal age, but **is** the least amount of action involved in a reaction as unquestionably demonstrated by the atomic absorption spectra. **At $T = 0$, both the least action h and the total action of the entire Universe could not have been other than 0; at any other time they stand as stated above!** [For full details see: "Principia Physica Universi".]

When *all* these *unquestionable* mathematical relationships and hard measurable quantities and numbers combine in such utter simplicity and reveal the *working* relationships of the universal physical quantities *and* qualities of G , M , T and space (the *exact true nature of which* our "science" shall *never* tell us!) that together ever since $T = 0$ have resulted in the physical Cosmos we observe and cannot observe, and the arithmetic data they produce (being so close to the best astronomical and laboratory measurements) are co-considered, **only then** are the quandaries baffling both the scientists and the "Theologians" finally resolved! As there also can be no doubt that mathematics are purely *intellectual* material, the question arises as to **WHO** truly was that established these *mathematical* relationships upon the G , M , T and space as **unquestionably firm Universal Laws** regulating the operation of the *entire physical* Universe ever since it came into being! And let us *not* ignore that *we only have touched the visible top* of the effect of Law on G , M , T and space; for the hard fact remains that we truly know *essentially nothing* about how those same laws apply to the micro-micro-world! [Supercolliders only produce super-collisions! The faster super-cars collide, the worse are the wrecks! When at last will the "scientists" learn? Can they from such wrecks recreate the *original cars intact*? As they *cannot*, *neither* shall they learn *anything truly worth their while* from their work, in which they only expend for *thus nothing* our *expensive and irreplaceable common* wealth!] Simply observing the DNA to resemble man-written computer code is *not* sufficient proof of the existence of whom (in order that you not displease really anyone!) you only dare to call "a creator"! The atoms use the electrons to form bonds, the strength of which varies. It is by

means of the *variation of the strength* of the bonds that we distinguish *distinct* groups of atoms (let us call them sub-molecules) to form the more complicated sequences that ultimately form the DNA! It is altogether ludicrous, given the stability of the DNA, to hold the "principle" of uncertainty/indeterminacy as the basic determining factor of that stability that results not just in inorganic substances but in *complete living organic wholes*. A simple "creator" most certainly *cannot* suffice! What we observe has *far deeper roots*, all based on the ***desired purpose of the Creator of Creation, Who built-in from the start all that He needed to achieve His objective! Who in order that He not be obtrusive, "hid" Himself behind the Law of Gravitation!*** We *must* admit it: The split of what we call "science" into distinct tight "disciplines" has made us lose the complete view of Creation! And here indeed we stand!: Struggling to limit the effects of disasters, that if we were more circumspect and had opened wide the lens through which we observe the world we certainly *would* have foreseen and averted!

On the power of the causality principle, demanding that "every effect have a *prior* cause", and more precisely that "every effect have an *antecedent, proximate* cause", we are obliged to conclude that, at the initial borders of the universe, the **WHO** who acted *did unquestionably have all the wherewithal* needed to bring this whole Universe into being! If we reject this proposition about WHOM who acted, on the grounds that it is equivalent to a clearly non-physical (as presently "understood" by science) intervention, being therefore no other than ***a miracle with no one performing it***, we *cannot* explain the *in-a-certain-not-infinite-past-time-sudden appearance* of the universe as anything other than a violation of *both* the causality principle **and** the no "creation ex nihilo" principle, which *cannot* be regarded as other than a ***double miracle with no one performing it!*** Faced with this *double* predicament, and being *objectively* unable in full view of the Universe before us to reject both options, the wiser act is to reject the double miracle option and to accept the one, now *so-called* "miracle" option that *conserves both*, principles, even as it clearly forces us to accept it as the ***very hardest fact*** before us that Reality (that is to say, ALL that truly exists) consists not only of just ordinary physical-tangible-matter material that alone falls under the purview of the science of materials, but also of a (NOT just "material" but) CLOSE PROXIMATE PRESENCE having *at least* will/total-freedom-to-act/wisdom-to-choose/intellectual/imaginative/self-inspirational/creative/sustaining/purposeful powers (and forgive me if I have missed more of them, also needed!) that together *in the very least sufficed to bring into active and tangible being under demonstrable mathematical Law* applying to it the observable universe that we are able to see and study, yet without the least needed wisdom!!!

The whether-we-like-or-dislike-this-finding is now seen no longer to have been a matter of Logic (that now compels us to bow our heads in the face of that nothing other than ABSOLUTE PERSONALITY as it was just suggested) or man-invented "principle" (the *imagined* value of which *has now clearly collapsed*) but a matter of **taste acquired-instructed while in ignorance** of *all* the facts standing firmly behind the Law of Gravitation. It is before these more than diamond-hard facts that *all* persons *are* at the very long last called to show

their true metal! Honor and dishonor, Piety and blasphemy *shall* now be demonstrated! Not necessarily visibly! But where it truly counts: in the awakened consciences of these who truly teach and direct the world to where it is plainly daily evident, where the ever-presence of the ABSOLUTE PERSONALITY has *never* been absent, but only ignored! It has truly been said that each shall reap as each has sowed!

Mr. Marshall: You truly have been searching for the Cosmic Fingerprints? Here are some you never considered! I wonder as to what you as a sleuth of Sherlock Holmesian powers shall do with *these* Fingerprints of HIS! As for me, at 76+>1/2, I no longer seek glory or wealth, only to stand sleepless guard by what I have found, as duty commands, in order that I safeguard it against abuse! Of my work, I make a *free* gift to the world; and expect that others shall *not* use it, *or abuse it even by hiding it*, for personal gain! As for prizes? Even the Nobel *is* bloodstained, as from the moment of its birth! Just count the hundreds of millions that have perished in wars since TNT was discovered, thanks to the diligent work of "scientists"! It is high time this masquerade were stopped! And the proceeds were spent on the *victims* of the "scientists"! These last few days we all have had a terrible shock at the disaster that hit Japan! All the work of *unwise* scientists who *refuse* to learn: When even the gravitational field of the Sun *cannot* hold within the materials that spew out of its entrails (*just as here volcanos do*) and the *uniform* hydro(*hygro*)static pressure in the *soft* interior of the Earth forces the Pacific Ocean's bottom *under* the heavy Asiatic overburden while the Ocean expands by some 10 cm/year, there are "scientists" that still doubt the universal expansion, also clearly evident by the fault lines all over this planet! And build nuclear power stations at the very lips of the abyss!

Or must I say at the lips of Hell? Is there a difference? And I *shall* be curious to see your response!!!

Most sincerely,

GPS—

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March 24, 2011.

28. Re: Letter on Libya Published in the NYTimes.

**(In its response, the NYTimes labeled this as "Your Comment on
Discord among Allies"!!!)**

17 March 2011

Security Council SC/10200
Department of Public Information • News and Media Division • New
York
Security Council 6498th Meeting (Night)
"UN Resolution 1973
**SECURITY COUNCIL APPROVES 'NO-FLY ZONE' OVER LIBYA,
AUTHORIZING 'ALL NECESSARY MEASURES' TO PROTECT
CIVILIANS:**

**Demanding an immediate ceasefire in Libya, including an end to the
current attacks against civilians, which it said might constitute 'crimes
against humanity', the Security Council this evening imposed a ban on all
flights in the country's airspace — a no-fly zone — and tightened sanctions
on the Qadhafi regime and its supporters."**

I wonder: If the UN's definition of "a no-fly zone" is "a ban on all flights in
the country's airspace", and the Security Council THUS imposed a ban on ALL
flights, how come did the Coalition interpret this as licensing IT to fly its
planes all over Libya and strike targets on the ground at will?

The most the Coalition could do was to target flying Qadhafi regime's
planes with rockets from the distance! And this, provided that rockets were
explicitly excluded from the ban! They were NOT!

The Coalition most certainly was NOT licensed to fly itself over Libya and
hit all sorts of ground targets, not even where it could guarantee civilians would
not be hurt!

What sort of total disrespect for precise language do the UN thus teach the world? Is this diplomacy, or only thus proven idiocy if not outright lunacy, and unconfessed license to cannibalism under the fig leaf of "democracy"? Have we not shed far more than enough blood already?

Why couldn't the UN demand that both/all sides of the domestic conflict sit at a round table under their auspices and come to a sane agreement? Something could be worked out peacefully! And if the tribesmen still do not understand how to talk peacefully, why did the so-called civilized nations refuse thus to teach them? Libya is not an ordinary country, but a rather loose coalition of tribes. For their system, democracy is NOT a panacea! In a TRUE democracy, EVERY citizen is responsible for EVERYTHING!

That the above approach was not pursued smells odiously to high heaven!!! What are the so-called civilized nations REALLY cooking in Libya??? In the face of the unforeseen, yet foreseeable, disaster that hit Japan???

SHAME, SHAME on us all!!!

GPS—

Recommended by 1 Reader.

The submission can be found at this link:

[http://community.nytimes.com/comments/
www.nytimes.com/2011/03/24/opinion/24thu1.html?
permid=99#comment99](http://community.nytimes.com/comments/www.nytimes.com/2011/03/24/opinion/24thu1.html?permid=99#comment99)

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March 27, 2011.

29. Re: Responding to an Indirect Reply.

Mr. Perry Marshall
CosmicFingerprints.com

Dear Sir:

I want to thank you for answering my letter of March 14/16, 2011, even if indirectly. When I wrote that "I am willing to give you the full benefit of the doubt", I *meant* it! So it is that I proceed:

I fully agree that even one less, or more, fundamental particle created by the Lord would destroy the absolute perfection of His creation, even if it did not render it altogether impossible to exist! Writing to a fellow engineer I thought it superfluous, if not insulting, to be more analytical in my writing. So, I did not imagine that you would take offense for the fact that I used the example of "one single comment ... to one single person"! Even allowing 100 characters per line and 40 lines per page, that makes 4000 characters per page. I shall be generous and allow 10000 characters per page. That still leaves *at least* some 10^{16} pages to be written before the importance of the comment that I made on "one single comment ... to one single person" fall to such insignificance as not to destroy the world! As none of us has come anywhere near writing so many, let alone more than so many pages, you *must* agree that we *all* are subject to the danger of destroying the perfection of the world even by "one single comment ... to one single person"!!! So, when I mentioned blasphemy and requested that you "Kindly abstain", I did so in the purest of spirit, or else, *I* would commit blasphemy! I most certainly did *not* mean to misrepresent your position, that, I take it, remains that "I [i.e., you] only desire to demonstrate that living things have a creator. I'm leaving matter to other people and other debates". This was why I wrote that "your answer surprised me to no end"! Believers in the Lord, especially engineers by profession, by my Orthodoxy, do commit blasphemy when they "believe" that the Lord created the world piecemeal, or that He took advantage of an already "somehow" pre-existing situation to which He added us!

I have discovered that other scientists have no idea of their *tacit obligation* to subject their equations to the strictest possible dimensional analysis, that they do not even know what it is! Otherwise, what I have done would have been done at least two centuries ago! For present-day engineers to deny themselves the benefit of that tool, I find it *totally inexcusable!* God does *not* seek "publicity"! He does *not* seek to be "pleasant"! He does *not* seek to be "recognized"! He expects *us* to see at the very long last that *we owe it to ourselves not to prove His existence but to accept His Being, as a result of which alone we too exist in order that we too Be! Be in the full ontological sense!* **"Th[at HE] has[~~+~~] ordered ALL things in measure, and number, and weight"** [and therefore that He IS] is indeed shown by the few simple, tightly intertwined mathematical Laws of its physical qualities/quantities the universe obeys! The message you asked Ms. Lorena Ybarra to send me *does not*, I fear, reflect your joy for this finding! Without it, I fear, I cannot see how you envisage the meaning of the statement that "We [i.e., you] hope you [i.e., I] consider his [i.e., your] points and continue to pursue truth!" Just "truth"? Not *the Truth*?

It is just about a year since I acquired my new iMac OS X Snow Leopard and have yet to master most of all its tricks. It was with a great deal of long months' work and the help of a friend that I managed to transfer my work from the Macintosh IIsi OS 6.0.7 to the OS X. I am totally new to the Internet, and I have repeatedly lost my way in your blog. I cannot figure out what you mean by stating "that the best place to post my comments would be on your Cosmic Fingerprints blog". My first letter to you was not just a comment but a *presentation*. I shall appreciate your clarifying the details (format, limitations, freedom of expression, terms, obligations mutually undertaken etc.) of what you call "comments", in order that they be acceptable. Besides, the usual blogs and the boxes they offer for commenting *cannot* handle even such simple equations as I included in my first letter. And kindly, please do not berate the importance of this material to the level of "twittering"! Truth and the Almighty do deserve far better, you *cannot* but agree!

I fear, as there is some unavoidable need, that I may not be available for a week or two!

May I repeat: Please do not take offense when none is intended, but the language of Truth demands that things be stated honestly!

Most sincerely,
GPS—

COMMENT: It has been with *double* sorrow to find that Mr. Marshall took offense that was never meant, and did not bother to respond even to this second letter. I cannot help recalling the story of the fig tree that from the distance was offering the hope of fruit, but on closer inspection it proved to have none!

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April 14, 2011.

30. Re: "Billionaires Unleashed".

NYTimes.com.

All this talking about the superrich evades the real hard issue of the entire planet, that only the truly willfully blind refuse to see: which is the ever accelerating exhaustion of its resources, that cannot keep us going at the profligate rate we so far maintain.

I wish the well-meaning very-very rich began giving us all a true measure of frugality, united their powers and obliged the inept politicians and the foolish citizens casting their "democratic" votes for them world-wide to understand once for all our fast approaching thus inevitable end!

Two thousand years ago, the world was given an example of a prodigal son.

It most certainly cannot afford seven billion of them at the present rate; all at war with each other over who shall best guard his own insatiable appetite for ever more of everything!

A high-scale example? First, the so-called great "democratic" powers foment unrest in countries whose wealth they covet and then demand the UN Security Council to allow supposedly "humanitarian" wars instead of supervising internal resolution of conflicts and peace; thus consciously, of else insanely, creating untold waves of refugees; and then the UNHCR sends urgent appeals for the collection of funds to "help" the refugees!

Do you still have the gall to call them United Nations?

Politicians, "philosophers", intellectuals, professors, academicians avert their eyes!

If the superrich are truly intelligent, here before them stands the grandest field for united intelligent action!

The computers have already become fast enough. Only our collective intelligence becomes ever duller!

Who shall wake us up from the stupor?

Only that shall be truly humanitarian!!!

GPS—

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COMMENT: The above contribution sent for inclusion in the public discussion appearing on the Opinionator Column of the New York Times on an article bearing the above title appeared briefly in:

[feed://community.nytimes.com/comments/
opinionator.blogs.nytimes.com/2011/04/07/billionaires-
unleashed/?rss=1](http://feed://community.nytimes.com/comments/opinionator.blogs.nytimes.com/2011/04/07/billionaires-unleashed/?rss=1)

only to be later removed! Obviously, it proved much too hot for the tastes of a NewsPaper that in years past had as its own subtitle "ALL THE NEWS THAT IS FIT TO PRINT"! In the present times, what **is fittest** to print **is not allowed** to be printed! **WORLD BEWARE!!!**

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April 6-19, 2011.

**31. Re: WORLD:
WRONG THEORIES ABOUT,
SOLID NEW KNOWLEDGE SUPPRESSED,
ACTION URGENTLY NEEDED
TO FACE ITS STATE.**

Dr. Thorbjørn Jagland, Chairman of the Nobel Committee &
Dr. Geir Lundestad, Director of the Nobel Institute & Secretary of the Nobel
Committee
Henrik Ibsens gate 51
NO-0255 Oslo
Norway.

Dear Sirs:

Having exhausted all other sensible possible recipients of what is to follow, I have decided to appeal to you as the very last remaining bastions of conscientiously reasoning humanity on this pitiful planet. Yet, having then read the NY-Times piece "Opinion Today: Billionaires Unleashed" of April 8, 2011, falling much in the same category of the overall problem I need to bring to your attention, I decided to interrupt the composition of my letter to you in order to send them a note, in the wild hope they might allow its publication in the face of their worldwide readership! Vain Hope! The text of that note was as follows:

"All this talking about the superrich evades the real hard issue of the entire planet, that only the truly willfully blind refuse to see: which is the ever accelerating exhaustion of its resources, that cannot keep us going at the profligate rate we so far maintain. I wish the well-meaning very-very rich began giving us all a true measure of frugality, united their powers and obliged the inept politicians and the foolish citizens casting their "democratic" votes for them worldwide to understand once for all our fast approaching thus inevitable end. Two

thousand years ago, the world was given an example of a prodigal son. It most certainly cannot afford seven billion of them at the present rate; all at war with each other over who shall best guard his own insatiable appetite for ever more of everything! A high-scale example? First, the so-called great "democratic" powers foment unrest in countries whose wealth they covet and then demand the UN Security Council to allow supposedly "humanitarian" wars instead of supervising internal resolution of conflicts and peace; thus consciously, of else insanely, creating untold waves of refugees; and then the UNHCR sends urgent appeals for the collection of funds to "help" the refugees! Do you still have the gall to call them United Nations? Politicians, "philosophers", intellectuals, professors, academicians avert their eyes! If the superrich are truly intelligent, here before them stands the grandest field for united intelligent action! The computers have already become fast enough. Only our collective intelligence becomes ever duller! Who shall wake us up from the stupor? Only that shall be truly humanitarian!!!"

Which appeared temporarily in "feed://community.nytimes.com/comments/opinionator.blogs.nytimes.com/2011/04/07/billionaires-unleashed/?rss=1", before it was removed—obviously for its being much too caustic!

I shall not hide from you my total dejection in face of the silence I met with in my efforts to appeal even to the *supposedly* "spiritual" religious authorities *all the way to their very top*, a taste of which you can find in my website. I do very much hope there shall not be much of the same from your end as well!

A

You certainly follow an honorable tradition, set forth by Alfred Nobel. But I *must* ask that you strenuously re-examine your priorities as you unwittingly have been entangled in the present world-wide snares! In Nobel's brief biography that you publish in your website you do not hesitate to call him by *his own words at the same time both a misanthrope and a "superidealist"*! He most certainly was not a fool when he instituted the *fund for the financing of annual honorary awards to be made in the fields of physics, chemistry, medicine or physiology, literature and peace*. To which, not so long ago, the Institution and the Committee, going against Nobel's, wishes so fit to add the field of the "black science" of economics; by my estimation, cornered in so doing by the financiers and the powers behind them managing the *fund* Nobel bequeathed!

Allow me here to state that, that motion has been to the *overall detriment of the esteem of the awards*, as it thus set on an equal basis the *applied fields of honorable scientific pursuits as they then stood for the everyday and spiritual betterment of mankind* and the crass pursuit of wealth that recognizes no moral obstacles, *thus allowing a second place, if any at all, to solidly useful spiritual endeavors*, and the first by far to economic gain by *any* means at all!

And to insist on some points, based solely on Nobel's biography the Nobel Institute cites: As Nobel made his money primarily from the armaments business, it was natural for him to develop an interest in nitroglycerine from which a lot of money could be made from the industrial exploitation of the

explosive (in a world in which war also *is* alas an "industry") if a safe way could be found of handling it. It must never escape us that he never stipulated that his inventions be used *solely for peaceful purposes!* He patented the nitroglycerine-based explosive dynamite in 1867, on account of which in the following year he received an honorary award from the Royal Swedish Academy of Sciences for "important inventions for the practical use of mankind", from which use, again, *war was neither then nor ever since excluded!* He was both determined and confident, modest and shy, lonely and restless, tough and cynical, and in his own words at the same time both a misanthrope and a "superidealist"! His idealism is stated to have had a political aspect, that he supported those who spoke up against militarism and war, even as his inventions were heavily used in it and he kept on making money! He wanted to make a contribution to work for disarmament (i.e., *not a priori, but ex post facto!*), and the peaceful resolution of international conflicts (i.e. *after* they have brought widespread havoc!); in which, sadly, one cannot but read that peace is stated desired yet solely in order that the victor reap the benefits of war, not that the victim never suffer the havoc! He established the Nobel Peace Prize, that is also given to some who have waged, continue to wage war, or "agree to establish peace" *after they have shed rivers of blood in which they have been soaked!* (Allow me to mention no names! We all know who they have been and are!) In 1891 Nobel moved to San Remo, Italy, yet a few years later, he bought the Bofors ironworks and armaments factories! Clearly, Nobel *was a very split and self-tortured* personality! A feature that we almost all still also exhibit in choosing and honoring those the Nobel Committee chooses to honor with the Peace Prize! Which is *not* a proper lesson for humanity, *thus not in the least educated in the proper ways of Peace!* We ought to have well learned by now, *and the Nobel Institute ought to have strenuously made it abundantly clear, and in so doing honoring both itself and Nobel himself,* that as we *supposedly progress in civilization and the word "Peace" is not left deliberately meaningless, so too war ought to have become proportionately scarcer!* Alas, it has *not* in the least!

Certainly, I do *not* have to tell you of the present state of the world! Even the blind see it! Especially since the Committee saw fit to award the Prize even to "economists", who *totally inexperienced of practical matters and the givens of Reality* have brought us to this world state *for their never having considered the very definite limits of the planet that can no longer sustain us at the rate at which "scientists", in all so-called widely "scientific" disciplines, without measure or sense, chasing chimaeras keep on producing theories based on unfounded suppositions, seemingly in order that we all better understand the world and "improve" our lives, but in reality in order that we not confess the unquestionably proven well-established order of the world, so that we keep on all the faster, idiotically/prodigally wasting its limited wealth, by both our acts of "peace" and of war!!!*

B

I cannot be the only one who understands that the association of the Nobel Committee with the politicians, "economists", certain scientists advocating

totally fanciful "theories" about the universe and the economic powers well-hidden behind them all has *not* been to the betterment of the human condition, that supposedly is the ultimate aim of the Nobel Committee effort!:

(a) Kindly consider medicine/physiology, that is well on its way to turning the vast numbers of humans to depositories of living spare parts ready for immediate use by the highest bidder needing the best-matching vital part, to keep which unrejected, he will further need the most expensive medicines in existence! All this in order that he not, if possible indefinitely, meet his Maker and give Him his apology! Can this be considered Science? Or is it just *the most obscene* trade based on murder, passing as "philanthropy"?

(b) Kindly consider physics: The Nobel laureate S. Weinberg in his article *A Designer Universe* (published in THE NEW YORK REVIEW, Oct. 21, 1999, p. 64) has stated that:

"[t]oday we understand most of these things [the physical phenomena] in terms of physical forces acting under impersonal laws. We don't yet know the most fundamental laws, and we can't work out all the consequences of the laws we do know. The human mind remains extraordinarily difficult to understand, but so is the weather ... I see nothing about the human mind any more than about the weather that stands out as beyond the hope of understanding as a consequence of impersonal laws acting over billions of years".

If truly so, (i) he and *all* Nobel laureates (who have *yet* to protest against this altogether outrageous statement) have forfeited *all* their rights due to the Nobel award, which he *thus* declares a farce and a sham, as he truly rates the weather *superior* to the human mind; (ii) *all Nobel awards must be returned and henceforth given to the "weather"* that, despite its unpredictability, still manages to freshen up the air we all breathe and to supply the food we all eat through the rain it showers on us all, that *unquestionably are* feats far greater than *all* the Nobel laureates put together have accomplished for humanity; and (iii) the Nobel Committee disburse the money thus saved to the "weather", i.e., to the poorest of the world who cannot feed themselves on account of the whimsicality of the weather!

(c) Also regarding physics: Other scientists, too, advance the *altogether purely fantastic of the very worst sense*, unscientific pseudo-argument to which even S. Weinberg subscribes even as it is *impossible to falsify* [kindly remember K. R. Popper!] according to which there is out there an infinity of universes, *all* except ours invisible on account of the also unobservable faster than light expansion of space itself(!), *all* purely by blind chance thrown there "somehow" [*their* favorite adverb]; which *supposedly* makes it seem "natural" to expect that one universe *would* show up very much like ours [as, of course, *they* "understand" it, *not* as indeed it truly is!]. In all this, they conveniently "forget" *that there can be no Γνωσις and no Science of things about which Logos and experience do not inform us!* Which reduces them to showing themselves charlatans and *believers in a religion far worse than any so far known*, replacing even such as angels (whose mention they haughtily despise) by an infinity of other, thus *unseeable*, universes, the *supposed* existence of which should cause no amazement that all things here observed are products of a totally pure chance

dispensing all thoughts about some Higher Authority being the cause of the things that we *do* see! (But please remember all this when you reach below to Section D).

(d) Kindly consider the mathematician-scientist-philosopher-Nobel-Laureate Bertrand Russell's statement (mentioned by [TIM CRANE](#) in "[Mystery and Evidence](#)"), of being ready to defend his atheism on Judgment Day by saying: "I'm terribly sorry, but you didn't give us enough evidence!". Are we *really* sure *God* did not? Or is the reply *by far the very worst* exhibition of intellectual sloth, as ***shall be*** shown below? We may *not* forget the Commandment that we love the Lord with *all* our *διάνοιαν*, namely our ***sleepless and fully intertwined intellect!***

(e) Surely, the above should be quite enough to prove the currently circulating Nobel-rate nonsense!

I, therefore, ***must*** request that, just as (undoubtedly acting under pressure) you thought it proper to add to the rewards ordained by Nobel that given to economics, you now ***reconsider the case, cancel all monetary rewards, and funnel the funds to the poorest of the poor made ever poorer by the "advances" and the determined neglect of the world-wide detrimental consequences of the application of science as it is currently practiced!*** Those engaged in science surely have their salaries, whatever they are, that they are free to improve upon by moving to some other position or field! *Pure, unfounded theories never improved the lives of people!* And the awards impress *only* the impressionable!

C.

Now, please allow me to indicate some gross errors committed in the course of currently practiced science, of which the correction is very long overdue!

Whereas the 1921 Nobel Award to A. Einstein for his work on the photoelectric phenomenon was certainly correct, his fame was built on his Special and General Relativity theories, that became the *supposedly* "scientific" excuse for declaring the relativity of practically everything! Very few indeed understand the details and consequences of both theories; and those that do *consciously* choose to remain silent rather than confess their error, that they have been had, that they *consciously* continue to teach falsehoods!

As regards his Special theory one must remark that "if Einstein's contention be true that

$$\tau = t(1 - v^2/c^2)^{1/2},$$

then looking in the opposite way, from that of system K' at a clock *seeming* to travel with the system K, we are honor bound to declare as *equally true* that

$$t = \tau(1 - v^2/c^2)^{1/2}!!!$$

To this, *no* self-respecting relativist may take exception! But then with both of these relationships being seemingly true, it *must* also be true that

$$\tau = t(1 - v^2/c^2)^{1/2} = [\tau(1 - v^2/c^2)^{1/2}](1 - v^2/c^2)^{1/2} = \tau(1 - v^2/c^2), \quad (26)$$

as also that

$$R_1 = R_1(1 - v^2/c^2) \quad (16)$$

even for non-zero values of v , that alone are of interest!!! (see: [www.thefreegpslibrary.edu.gr/CONTRA PHILISTINES AND SYCOPHANTS](http://www.thefreegpslibrary.edu.gr/CONTRA_PHILISTINES_AND_SYCOPHANTS), respectively pages 118 & 106). Nor are these the only cases something like this happens. And as regards the so-called "paradox of the twins" the theory has generated, it is an excellent example **proving** the badness of the theory, especially when it is seen in the following light: Of the twins, one travels away and later he returns. The theory claims that he returns **objectively younger** than his at-home-based brother. But here comes the inescapable snag: What if the traveling twin unbeknownst to his brother so adjusts his velocity vector that as referred to the moment of his departure, it be the *exact vectorial opposite* to the velocity vector of his at-home-staying brother *relative to the center of the galaxy*? His "return" will take quite some time, but now *who truly* returns? Doesn't the "traveler" stay **truly motionless** relative to the center of the galaxy, and isn't his home-based brother who truly traveled? (Here for simplicity, we do not consider the *additional* effect of universal expansion which was unknown both in 1905 and in 1916). On what *solid* objective grounds may the at-home-stayed brother consider his twin younger? And on what similar grounds may the "traveler" consider *his* twin younger? Did they not part at a **certain** age of the universe and did they not reunite at a **certain later** age of the universe? Isn't the latter minus the former age **identical** for them both? Here, neither we nor the theory speak of biological or mechanical effects due to traveling, *that we still cannot and have no idea how scientifically to evaluate*, but strictly of **true absolute** time differences! *But the theory was deliberately designed to abolish all absolutes, and all discussion about them!*

Nor is the above the only prime example of **determined refusal** to consider the objective hard facts: Because, as regards General Relativity, the paper on it published in 1916 (i.e., well before Hubble's finding) makes absolutely no reference even to the possibility of universal expansion, and to this day, hard-core relativists sticking to the ideas of the original paper still doubt the trueness of the universal expansion. But still, the question of how exactly the universe expands has *not* been adequately addressed: Are only just the distances between the celestial bodies observed by astronomers increasing, or are the dimensions of *all* bodies down to the Democritean atoms *and* the distances between them increasing, as *all these truly are* celestial bodies? As unquestionably the second option is the greater generalization permitting no favoritism, then **all** bodies expand, becoming ever "whiter holes", following the greatest ever white hole which was the entire universe at the exact moment its expansion began, that only an infinitesimal moment earlier, *if* such a moment can be accepted to have existed, was the *only* "black hole" we can at all name! So, without proper consideration of Newton's Law of Gravitation ancillary consequences (of which see below) we are still searching the black night sky to discover in it "black holes", i.e., bodies going *against* the "fabric" of universal expansion that are unseeable *both* as a result of their supposed nature and for the need that we search for them in the dead black of the deep black night sky, for how indeed can we *truly* tell apart total black from total black, when the so-called "black holes"

are products of a theory based on *totally dubious principles, axioms, assumptions and objectives*?! To which we lately have added the additional worry, lest we discover one in the CERN supercollider! *Not* an altogether very wise general attitude considered on the whole! Which must be seen in light of Einstein's original paper, in which in the first paragraph of Section §4 he wrote:

"it is not my purpose in this discussion to represent the general theory of relativity as a system that is as simple and logical as possible and with the minimum number of [*unevaluated*] axioms; but my main object is to develop this theory in a such a way that the reader will feel that the path we have entered upon is *psychologically* the natural one and that the underlying [*unevaluated*] assumptions will *seem* to have the highest possible degree of security".

In this, only the material in the brackets and all other emphases have been added in an effort to make absolutely clear to today's deeply concerned reader the exact spirit in which Einstein undertook to *rewrite as it were the structure of the entire physical universe* so that *it* comply with *our psychological* inclinations!—As if *our psychological* inclinations can determine and set the structure of the universe!—As if that is not *the most licentious presumption* set down on paper by *any* mortal ever! And one *is* honor bound to ask whether the present-day relativists are aware of this statement, and if so on what scientific grounds *they* have mutely tolerated it as truly obliging present-day science!

We *must* question and set entirely apart from and totally outside of our conception of the Principles of Physics as totally foreign to it and to them the *psychological* forces that pushed Einstein to this whole conception: One *cannot* honestly see another motivation than the fact that he could *not* determine another really good reason on which to make an argument to the effect that *every* view, regardless of the "system of reference", whether political, racial, religious, scientific, or social be regarded co-equal to any other broadly similar to it, or falling in the same broad category called *psychological, as each one is thus freed to define it!* He surely was *not* oblivious to Galileo's travails; whose findings collided with the then Pope's view that the earth was the center not only of the solar system but of the entire universe, so that *he, the Pope*, be at the absolute center of universal attention, even if only slightly off center, as he could *not* figure "His own Holiness" to be at the exact center of the earth, already known to be a sphere! At least, however, the Pope had his own *ecclesiastical* claims to consider, *not* just his *psychological* needs! I suppose, Einstein's friendship with Freud *must* have had something to do with it all!

Which, however, made him truly oblivious to another and *inescapable physical universal* effect truly afflicting *every* observer subject to the constraints set by general relativity *if* the latter were at all true: Imagine everyone of us going hither and thither: Staying always at the center of the universe regardless of our motion means both that *we all carry and suffer the drag of the entire universe*, in full face of the *hard fact* that the universe *cannot* have so many centers going simultaneously hither and thither, but *only one and motionless center, as there is no physical way or any reason we know or suspect of for it to move at all in space as a whole!* Which purely relativistic attitude has *not* left unaffected *all* seemingly "knowledgeable" present-day conversationalists, *all*

sticking to their own points of view, claiming them *all* "equally right", and leaving themselves free of the obligation to put *all* their heads together to find *which truly is the best view of the matter under discussion for them all to adopt!*

General Relativity [Section §14 of Einstein's 1916 paper] moreover introduced even the idea of gravitation in the *absence* of matter, that appeared only later as a result of "condensation" of the energy of the "field", effected "somehow"! Totally ignored even to this very day in this conception was the fact that, whereas the field was already somewhat understood in terms of matter, electricity and magnetism acting in three-dimensional space and in time, the theory of general relativity introduces and asserts the "field" *a priori totally apart from all those items* to which *totally mysteriously and without the slightest scientific inkling it split later!!!* Because, it is unquestionably clear that in the presence of the "field" alone, *nothing at all* can be said about the still *nonexistent* space in which it is *a posteriori* said to have been contained and distributed, or about the *entirely separate* previously nonexistent dimension of time, relative to which it *cannot* be said *later* how the "field" developed and changed "earlier"! Atheists and relativists reject all religiously introduced mysteries. Yet, the solidly *crypto-religious* mystery that general relativity calls "field" the very same people are, *supposedly "scientifically"*, ready to swear by! The hard physical fact that matter is matter, energy is (matter)x(velocity squared) and velocity is a specific distance covered over a specific time period, all these are "tactfully" forgotten when the relativists speak of the gravitation of the "field". Such was the *preposterous* mix and concoction of "ideas", "axioms", "principles" and physical facts that resulted in the said "grand" theory of general relativity! And *not* to be forgotten: crucial in this "construction" was the "contribution" of B. Russell who gave the velocity of light the name "physical unit", which, *silently* (or in words and arbitrary "approximations" only he, if at all, "understood"! he equated to the *dimensionless* number 1! Thus it was that the "famous equation" $E = mc^2 = m$ was written, and the "field" begat mass! And the relativists applauded! Which all must now be subjected to radical re-examination as to whether it deserves a second look!!!

As men of science we may *not* stand indifferent as regards the use of words and their exact meanings, or else what we attempt to do shall be useless. So, it is *not* to be overlooked that arbitrary, i.e., foreign to each other systems of reference in physics and mathematics may *not* logically be correlated by a theory of "relativity" but only by a theory of *referentiality*, since the word "relation" also implies closeness, affiliation, syngeny (from the Greek συγγένεια = the belonging to the same genus, the blood and family relation). Thus by choosing to use the word "relativity" the unbridgeable difference between right and wrong is dangerously shortened practically to the point of indistinction, and one *cannot* avoid remembering that Baruch Spinoza's [whose A. Einstein considered himself a faithful pupil] "Ethics" (*supposedly* "proved in geometrical order") nowhere contains the word "Justice" (*inextricably implicit* in which is the very distinction of *right and wrong*), but the notion that "all things were predetermined by God not through his free or good will (which *denies* Him of Personhood), but through his absolute nature of infinite power", which *mutely* assesses to Him

brutal physical power! [Spinoza: Ethics, Everyman's Library 481, Revised Translation 1959, p.30], a conclusion Spinoza bases on his own *arbitrary* "PROP. XXXII: Will can only be called a necessary cause, not a free one". Which one of us will today agree that he acts *forced as a slave* by a cause *other* than his own free will, even as he *knows he truly is a free man*? To which proposition, Spinoza appended the "*Corollary I—Hence it follows that God does not act from freedom of will*" [p.25], by which he intended his readers to conclude that God, therefore, *acts only from the necessity of His own nature that He cannot control*, that causes Him to create *indiscriminately everything*, that only we call "good" or "bad", that Spinoza calls "*relative*" (p.143), which he intones by stating that "*by perfection in general I shall understand, as I said, reality, that is, the essence of anything, in so far as it exists and operates in a certain manner, without any consideration of time*" (p.144)! When good and bad are called relative, and perfection is understood as reality, as the essence of anything that exists and operates in a "*certain*" *left undefined* manner, then indeed everything goes as a result of God's own nature, *that even He cannot change*! What Spinoza does *not* tell us is how while God has no free will, yet by the sheer power of His own nature He created even us *clearly capable and willing to assert and enforce what is good and what is evil*, or else, we are *obligated* by the very nature of the general relativity of everything to open up *all* prisons, release *all* prisoners, and commit *any* sort of act that *nobody* has a right to judge! Question: Was and does it still remain the *secret agenda of the supposedly "scientific" theory* of General Relativity, thus to blow up the social structure of *every civilized* human society? And are we all who disagree with this horrific proposition to remain mute?

D.

What the relativists and I *must* say the entire physics community have for three hundred years failed to do is a *strict, complete and correct* dimensional analysis of Newton's law of gravitation! I have indeed found some such that do not even know what these words stand for, though they constitute every *conscientious* engineer's first duty! The *complete* details of this entire exercise are given in the PRINCIPIA PHYSICA UNIVERSI, the first book of the series www.thefreeegpslibrary.edu.gr.

Kindly note that the presence of r^2 in the denominator of Newton's law represents the square of a *physical* length, that as such (a) it *can only be positive in all directions* and is *not* a mathematician's figment that arbitrarily can be set as positive or negative; and (b) it can attain a value from 0 at the center to ∞ in *all* directions, and as such it applies to *all* "unseen universes", that Nobel laureate S. Weinberg and others *imagines* existing totally by chance, one of which happens to be the one we inhabit, solely in order that he and all others similarly minded escape from the *inescapable* Logical, intellectual, philosophical and, ultimately, *fully meaningful* Religious clutches the uniqueness of this one-only universe imposes!

The *strict, complete and correct* dimensional analysis allows only eight

options, of which *all but one are rejected*, either because they contain internal antinomies, or are contrary to dependable astronomical findings, or both. The one option that survives *intact* and forces us to consider it as *necessarily the correct and universally operating* is the option of the *truly constant G and M*, being respectively the universal gravitational constant and the total mass of the universe. Under these conditions, the *average* universal mass density *D*, and the volume of the universe *V* are both *variable*, and the dimension of time *T* is *nothing other than the quality of the universe we can only call its age*, that *inescapably is variable*, and **not** some *arbitrary and fundamentally incalculable* value of "time", that *arbitrarily* we have always thought of as eternal and thus intrinsically foreign to the universe, in which the universe "somehow" exists! This last, so far adhered to, conception of "time" *is non-physical and must be forgotten!* We *must* understand that what we call "time" is *only another universal quality and quantity that cannot physically be understood except as the age of the universe!* Thus one finds that the radius of the universe is

$$R = [(9/2)GMT^2]^{1/3} = (3/2)cT,$$

the velocity of its increase, being nothing other than the velocity of light, is

$$c = dR/dT = [(4/3)GMT^{-1}]^{1/3},$$

the *average* density of matter is

$$D = (6\pi GT^2)^{-1},$$

while

$$Rc^2 = 2GM.$$

These, for $T = 12$ b.y., give the values

$$M = 1.15 \times 10^{56} \text{ g}, \quad R_{\text{present}} = 1.70 \times 10^{28} \text{ cm} = 18 \text{ b.l.y.},$$

$$D = 5.45 \times 10^{-30} \text{ gcm}^{-3},$$

whereas for light to retain an identical velocity everywhere within the universe regardless of the direction of its motion it is necessary that the mass M_r within radius r be such that

$$GM_r/r^2 \equiv GM/R^2,$$

leading to the *local* density of matter at $\rho = r/R$ being

$$d_r = (9\pi rGT^2/R)^{-1} = (9\pi\rho GT^2)^{-1}.$$

Note also that the Schwarzschild relationship and radius produced above by the dimensional analysis of Newton's Law of Gravitation and the resulting diameter of the universe being $(3/2)cT$ are *thus fully understood* in terms of a *higher than the present past velocity of light*, whereas as produced by the theory of general relativity, transfixed on the principle of the constancy of the velocity of light, they remain *totally unexplainable!*

At this point, for the sake of completeness, we cannot avoid mentioning the origin of the quantum theory: The difficulty Planck had with the concept, and the still believed constant unit, of action h had to do with the fact that action had not yet been recognized by science as a fundamental property of the physical universe. Considering that

(a) (action) = (energy)x(the duration of time this energy acts),

(b) the action performed by the fundamental particle/photon m_0 in time dT is

$$dh = m_0 c^2 dT, \text{ and}$$

(c) the *present-total-since-creation* action of m_0 and of the universe as a whole must respectively be written as

$$3m_0 c^2 T = h \quad \text{and} \quad 3M_0 c^2 T = H,$$

the following are produced

$$n_0 m_0 = M, \quad m_0 = 6,489 \times 10^{-66} \text{ g}, \quad n_0 = 1.772 \times 10^{121},$$

$$H = 1.174 \times 10^{95} \text{ ergsec.}$$

Together, the above constitute the complete picture of the fundamental qualities and quantities of the universe. Please note that whereas the above constitute *no theory but derive solely from the strict, complete and correct* dimensional analysis of Newton's Law of Gravitation, supplemented by a host of other findings, too many to mention here, yet all presented in the PRINCIPIA PHYSICA UNIVERSI, ***absolutely no theory to date has even come close to producing exclusively from within it these relationships and values!*** Which demonstrate *unquestionably* the ***variability*** of the velocity of light, and ***demolish*** the special theory of relativity, on which the general theory also stands, as well as the *belief* in the constancy of the energy content of the universe! But these equations do a great deal more: For they *unquestionably prove* the expansion of the universe, starting at $T = 0$, then having $R = 0$ while $c = \infty$; ***when the force of gravity was also infinite!*** Which unquestionably demonstrates that the *precedence* was indeed then given to *expansion* that is ever since being *moderated* by gravitation! We only need to remember the Command then given: "Let there be light!!!" Light in *both* its senses: the fundamental Democritean atom and the universal quality by which we see!

E.

On its own side, the quantum theory never considered anything like the above bearing organically to the basic structure of the universe. It started out with Bohr's "interpretation" of the spectrum of the hydrogen atom, who conceived it to consist of a proton and an electron in the fashion of the astronomical model of a star (in this case the proton) having a single planet (in this case the electron). Both proton and electron are still being believed to have diameters of 10^{-13} cm (a size still beyond even our present capabilities of exact measurement!), when the hydrogen atom has a diameter of $\sim 10^{-8}$ cm. This is fully

analogous to the Earth circling about the Sun to a distance of 100,000 times the Earth's diameter, equal to a distance of about 4.3 times its real distance from the Sun! So thin a dipole by no stretch of a willful imagination can be likened to a *real* physical sphere, as in fact the hydrogen atom is measured from at least crystallographic studies. Not even in its real distance from the sun can the earth prevent a body to fall on the sun from all directions in which the earth *cannot* stand as an obstacle! All this was "tactfully" ignored, as were all the findings of structural chemistry and crystallography that had already determined the atoms to be spheres! The "success" of the initial Bohr theory was solely due to its using the concept of action in the form of Planck's h ; which sufficed to land Bohr the Nobel prize! But as that theory failed *completely* to interpret the spectra of all other atoms, the quantum mechanicians proceeded to construct the so-called "new" quantum theory on Schrödinger's *said precise* wave-mechanical yet *purely mathematical* theory. The "new" theory retained the concept of action and its (still considered constant) unit h , ignored the demands of geometry, declared the electron to *jump indeterminately* hither and thither thus producing the "electron cloud" as visualized in "probability space" diagrams but in reality behaving in a said *physically unknown and unknowable* way and elevated the "principle" of uncertainty/indeterminacy to a *non-negotiable fundamental physical status!* But still, *not in all* its quantum states does the electron manage to protect the nucleus *spherically* as indeed it always does! To quantum mechanicians, geometry is of no concern!

Against all this, when the quantum theory is re-examined ab initio based on Lorentz's suggestion that the electron be considered and examined as a hollow sphere, it turns out that *the polar moment of inertia of a hollow sphere vibrating about a middle radius has the dimensions of action!* *In this manner, action is not forced on Nature by fiat as was done by Bohr and the still current quantum theory but is physically introduced as an integral feature of the operation of the electron, while the so-called "principle" of uncertainty/indeterminacy is completely eliminated!* This *classical* geometrical structure of the electron in the atom *obviates all the related currently held as sacrosanct ideas!* Suffice it here to restate even in words that the Planck "constant" *is in reality variable*, increasing with the $\frac{1}{3}$ -power of the universal age, but *is* the least amount of action involved in a reaction as unquestionably demonstrated by the atomic absorption spectra. **At $T = 0$, both the least action h and the total action of the entire Universe could not have been other than 0; at any other time they stand as stated above!** [For full details see: PRINCIPIA PHYSICA UNIVERSI.]

F.

When *all the above unquestionable mathematical relationships and hard measurable quantities and numbers combine in such utter simplicity and reveal the working relationships not only of the universal physical quantities and qualities of G , M , T , space and action determining the structure of the entire*

universe all the way down to the inner operation of the electron in the atom (the exact true nature of all of which our "science" shall never tell us!) that, however, together ever since $T = 0$ have resulted in the physical Cosmos we now observe and cannot observe, and *the arithmetic data they produce (being so close to the best astronomical and laboratory measurements) are co-considered, **only then are all** the quandaries baffling both scientists and "Theologians" finally resolved (as, from experience, I fear must here say to the furious silent chagrin of both thus highly inconvenienced camps, now proven to frolic in a foreign garden they never closely examined)!* As there also can be no doubt that *mathematics are purely intellectual material*, the question arises as to **WHO** truly was that established these *mathematical and geometrical relationships as unquestionably firm Universal Laws* regulating the operation of the *entire physical Universe ever since it came into being!* Pebbles of all sizes resulting from chancy mutual friction are found on the seashore. If among them are found an exact pair of perfect dice, *no one* will think them to be the products of chance! The laws we here face are *not* products of chance but of **INTELLECT!**

And let us *not* ignore that *we only have touched the visible top* of the effect of Law; for the hard fact remains that we truly know *essentially nothing* about how those same laws apply to the micro-micro-world! [Supercolliders only produce super-collisions! The faster the super-cars collide, the worse are the wrecks! Can the scientists, engineers, mechanics from such wrecks recreate the *original cars intact?* As they *cannot*, *neither* shall they learn *anything truly worth their while* from their so-called "scientific" work in supercolliders! The wrecks of super-collisions are *not* necessarily items that can be said with *any* confidence to have ever existed as such in the past, or now exist within the colliding particles just before they collide! The collisions we create in the NOW produce fragments in the NOW, none of which was necessarily present at some particular instant of past time at which the total local conditions were functions of time to which we *cannot* go back! When at last will the "scientists" learn and stop kidding themselves and the rest of us, whose hard-earned and *irreplaceable common* wealth they only expend *thus* for *nothing certain?*] Others assert that the DNA resembling man-written computer code is proof of the existence of "a creator"! Things are *not* that simple! The atoms use the electrons to form bonds, the strength of which varies. It is by means of the *variation of the strength* of the bonds that we distinguish *distinct* groups of atoms (let us call them sub-molecules) that form the more complicated sequences that ultimately form the DNA! It is altogether ludicrous, given the stability of the DNA, to hold the "principle" of uncertainty/indeterminacy as the basic determining factor of that stability that results not just in inorganic substances but in *complete living organic wholes pursuing diligently our purposeful activities*. A simple "creator" most certainly *cannot* suffice! What we observe has *far deeper roots*, all based on the *desired purpose of the Creator of the entire Creation, Who built-in from the start all that He needed to achieve His objective! Who in order that He not be obtrusive and thus limit at all our freedom, just barely "hid" Himself behind the Law of Gravitation, and still awaits to see to what use we shall freely put our thus given freedom!* We *must* admit it: The

split of what we call "science" into distinct tight "disciplines" and the sleepless sense of our guilt have made us lose the complete view of Creation! We must here recall what was said about B. Russell's response in Section B(d). **God has not even barely "hid" Himself behind the Law of Gravitation: All the Laws here presented are nothing other than His indelible signature, that at least since 1986 the "powers" that be refuse to confess!** And so, here indeed we stand!: Struggling to limit the effects of disasters, that if we were more circumspect and had opened wide the lens through which we observe the world, we certainly *would* have foreseen and averted! Alas! We have not foreseen, nor averted, guided by *other* than Reason and Wisdom! And even in the face of great disaster, we divert our attention to *instigated factional wars*, taking sides as best we foolishly think they serve our petty interests! So much "knowledge", so much "science", so much "wisdom", so much "piety", so much "faith", *all* of them so far going down the bottomless drain!

On the power of the Causality Principle (discussed in the "Physics Has Its Principles" article of the MetaResearch.org website, demanding that "every effect have a *prior* cause", and more precisely that "every effect have an *antecedent, proximate* cause", we are obliged to conclude that, at the initial borders of the universe, the **WHO** that acted *did unquestionably have all the wherewithal* needed to bring this whole Universe into being! If we reject this proposition about WHOM that acted on the grounds that it is equivalent to a clearly non-physical (as presently "understood" by science) intervention, being "therefore" no other than **a miracle with no one performing it**, we *cannot* explain the *in-a-certain-not-infinite-past-time-sudden appearance* of the universe as anything other than a violation of *both* the Causality Principle **and** the "No creation ex nihilo" Principle, which *cannot* be regarded as other than a **double miracle with no one performing it!** Faced with this *double* predicament, and being *objectively* unable in full view of the Universe before us to reject both options, the wiser act is to reject the double miracle option and to accept the one, now *so-called* "miracle" option that *conserves both* principles even as it clearly forces us to accept it as the **very hardest fact** before us that Reality (that is to say, **ALL** that truly exists) consists not only of just ordinary physical-tangible-matter material that alone falls under the purview of the science of materials, but also of a (**NOT** just "material" but) **CLOSE PROXIMATE PRESENCE** having *at the very least all the needed*: will, total freedom to act, wisdom to choose, creative, intellectual, imaginative, self-inspirational, purposeful, sustaining powers (and please forgive me if, in my imperfection, I have missed more of them, also needed to complete the Lord's **ABSOLUTE PERFECTION AND HOLINESS!**), such as *some* of them we, too, possess though obviously in so much limited extent, that together *sufficed to bring into active and tangible being under demonstrable mathematical Law applying to it* the observable universe we are able to see and study, yet so far without much of the least *needed* wisdom!!!

In view of these findings, the question of whether *we* like or dislike this finding is no longer a matter of man-invented "scientific principle", the *imagined*

value of which has now clearly collapsed, but a matter of taste acquired-instructed while in ignorance of *all* the facts standing firmly behind the Law of Gravitation. Logic, far *more than diamond hard*, now compels us to bow our heads in the face of that nothing other than **ABSOLUTE PERSONALITY** suggested just above. It is before these more than diamond-hard facts of Universal Reality that *all* persons *are* at the very long last called to show their true metal! Honor and dishonor, Piety and blasphemy *shall* now be demonstrated! Not necessarily visibly! But where it truly counts: *in the awakened consciences of these who truly teach and thus direct the world to where it is plainly evident daily*, in the ever-presence of the **ABSOLUTE PERSONALITY** that has *never* been absent; but has been ignored, not only in ignorance, but also on *fully conscious purpose*! It has truly been said that each shall reap as each has sowed!

G.

Dear Sirs:

I most certainly do not have to tell you of the state of our earthly world. We all cannot, none of us can be proud of it! The politicians do not truly care for much beyond their re-election, and only to that extent do they care if at all to please their electorates. All other officials, absorbed by their daily duties, are too exhausted by day's end to consider the ultimate purpose of mankind. The well-off cannot be expected to care for more than their daily pleasures and "obligations". The topmost world organizations are nothing more than servants of the great powers of the world, that are pushed here and there by what they conceive to be their narrowly viewed national interests and the interests that determine and set the pace of the so-called "markets". Before the collapse and dissolution of the Eastern Block, the so-called Free World was in no sense any more conscious of the Spiritual condition, health and future of its "free" citizens, taught by Hollywood, commercial television, carefully selected "news" and the wild manners of street gangs. What the Churches accomplish cannot truly be estimated. Their top men seem only to care about how to please their declining memberships, not how to be the biting salt that makes our lives more than minimally bearable. The schools teach what they are ordered to. The universities teach only what shall satisfy the "marketplace" in dubious manly character and the bottom line. The IAEA is interested in supplying the cheapest atomic energy to nations while keeping a not too careful eye upon the growing stockpiles of dangerous radioactive "used" fissile rods. The planet expands from within its very hot interior, yet the geologists remain unconcerned. The combined results we now experience in Japan! Others attempt surreptitiously to acquire atomic weapons, and the danger of their being attacked by those already possessing nuclear weapons yet are themselves fearing of being attacked is plainly evident. We burn the forests to use the wood for housing and free the land for cultivation and the expansion of cities. We destroy the plankton, thus also drastically reducing the capability of the planet to regenerate the oxygen we breathe, that we turn to carbon dioxide, which certified lunatics propose we bury in order to

reduce the "greenhouse effect"! Our appetite for ever more energy consumption in insatiable! We exhaust the life-sustaining capabilities of the planet without concern of the suicide we thus unconsciously prepare for ourselves. World-renowned newspapers *suppress* letters attempting to draw attention to the problem! Our only concern concentrates in the daily results of the world stock exchanges! No need to go further. The point is more than made!

We have been placed on a **limited planet**, and escape from it is an **impossible** daydream, advanced by those that still make a very good profit from it expending most valuable natural resources denied to other uses! In other words, life as we live it **is due to end**, and indeed sooner than we realize! We **exhaust** the extent of the freedom given to us, that we have **not** put to good use, for which we all, each of us, **must give an honest account!**

As I see it, as all other pools of intellectual, if not also Spiritual, authority dry up, the Nobel Institute is the last one remaining that can possibly still teach some sense of duty and purpose to this ultimately pitiful planet! My own efforts since 1986 have remained "unappreciated", for their being much too restrictive for those who thought the world their own to bully, blaspheming the **MASTER!!!** Now, I must pass the relay staff to you, wholeheartedly wishing you much better success! If you too fail, this world **shall that much sooner be doomed!**

Please, do *not* fail to do your most* honorable *very best!*

Most sincerely,
GPS—

* This word was here added.

I feel I owe you a brief biographical note of myself:

- I was born in Athens on July 24, 1934;
- studied Mining and Metallurgy at the National Technological University of Athens, (1953-8), B.Sc.;
- trained as an artillery officer and served in the Greek Army (1958-60);
- served as a Mining Engineer in Greece (1960-1);
- studied and did research in Metallurgy at the University of Sheffield (1961-3) with a Scholarship of the Niarchos Foundation, M.Sc.;
- studied and did research in Chemical Metallurgy in the Nuffield Research Group at the Imperial College of Science and Technology of the University of London (1963-7) with a Scholarship of the United Kingdom Atomic Energy Authority (D.I.C., and Ph.D.);
- held a Postdoctoral Appointment (research) at the University of Toronto (1968-9);
- held a Postdoctoral Appointment (research) at the Argonne National Laboratory (1969-71);
- have served as a Senior Scientist in the Research Laboratory of ASARCO (1971-84);
- am a naturalized US Citizen since 1976;
- and have written eight books offered FREE in www.thefreegpslibrary.edu.gr .

COMMENT: This letter, e-mailed to postmaster@nobel.no on April 19, 2011 at 5.57.PM was never answered. Please note the following article:

**32. Re: Regarding a most suspect
self-called
"WARM THOUGHT"**

**Received on April 21, 2011
at 10.44.37 AM GMT+03:00
and having as follows:**

From: Peter buthelezi <anita@gbi.com.br>
Subject: WARM THOUGHT
Date: April 21, 2011 10:44:37 AM GMT+03:00
To: undisclosed-recipients;;
Reply-To: buthelezipeter@gmail.com

Hello Sir,

My name is Mr. Peter Buthelezi. I work as a senior investment consultant for a bank here in South Africa. I also work as part of the regional team that covers the entire African region.

I had taken pains to find your contact through personal endeavor.

Approximately five years ago, an investor Deceased nine months invested a total of US\$14.777M (Fourteen Million, Seven Hundred & Seventy-Seven Thousand United State Dollars) with my department. With interest at today's value, the said invested fund is now worth US \$21.7M (Twenty-One Million, Seven Hundred Thousand United State Dollars).

Late investor Attorney/Lawyer notified my department of the sudden death (Car Accident), He (the attorney) also expresses concern that investor had died without a will and he has no details of any surviving relatives. The lawyer has now requested my department to check our records to clarify who Late investor may have named as his next of Kin on the investment application. Fortunately, or rather unfortunately, the person named as next of kin, was his girl friend who also died in the car accident. I have not yet notified the lawyer that the next of Kin was the girl friend. I virtually have another 21 working days to do so.

Should I notify the lawyer of my findings, automatically, the invested funds will be confiscated by the South Africa Government? This I do not mind, my concerns and worries is that the funds once

released from our bank, it will be diverted elsewhere by senior South Africa government functionaries for their personal gains. On the basis of my worries, my immediate boss and I decided to act fast by contacting and inviting you to work with us posing as a relative of the deceased, since you share same last name as the late investor. With our insider's privileged information, the funds can be paid to you as the only surviving relative. We have all the information and guidance to enable you and we realize this opportunity. We have evaluated the risk analysis and we are convinced that there is no risk element, as long as we both maintain strict confidentiality.

As you should understand, I am taking a great risk contacting you and making this proposal. Therefore, you should understand why I must say no more about this transaction until I receive an email from you confirming receipt of this letter.

Once secured communication has been established between you and us, detailed clarifications will be dealt with, such as what each party stand to benefit and time scale and procedures also the full details of the investor will be provided to you. Time is not in our favor. Please establish secured communication with me through this email address.

Yours truly
Mr. Peter Buthelezi.

COMMENT: *Immediately* on opening my computer and reading the above message I sent an e-mail containing *an exact as received copy* of the above letter, to the INTERPOL headquarters in Paris, France, using their own "[Send message to INTERPOL](#)" form. The English portion of their reply had as follows:

From: NO_REPLY <DO_NOT_REPLY@interpol.int>
Subject: Your post on the INTERPOL web site
Date: April 21, 2011 4:36:57 PM GMT+03:00
To: stavropoulos34@ath.forthnet.gr

Dear Sir/Madam,

Thank you for your message regarding suspected fraud or abuse of INTERPOL's distinctive signs.

The INTERPOL General Secretariat cannot deal with crime reports from members of the public or respond to all individual requests.

If you wish to report a crime, or believe that you are the victim of a crime, you should contact your local or national police authorities who

will be able to assist you and can access the appropriate INTERPOL channels if required.

INTERPOL does not generally contact the public and does not request payments. If you have received a message claiming to be from INTERPOL in relation to a financial transaction, you should treat this as suspicious. For further information on the different types of financial fraud and scams used by criminals, please see our web page: <http://www.interpol.int/Public/FinancialCrime/FinancialFraud/default.asp>

Regards,

Information Security Incident Response Team
INTERPOL General Secretariat

This message, and any attachment contained, are confidential and subject of legal privilege. It may be used solely for the designated police/justice purpose and by the individual or entity to whom it is addressed. The information is not to be disseminated to another agency or third party without the author's consent, and must not be retained longer than is necessary for the fulfillment of the purpose for which the information is to be used. All practicable steps shall be taken by the recipients to ensure that information is protected against unauthorised access or processing. INTERPOL reserves the right to enquire about the use of the information provided.

If you are not the intended recipient, be advised that you have received this message in error. In such a case, you should not print it, copy it, make any use of it or disclose it, but please notify us immediately and delete the message from any computer.

COMENT: On receiving this message from the INTERPOL Headquarters, that I found on opening my computer on the following day, I searched the Internet and located what appeared to be the Person-in-Charge of the *entire* Police Department of the Union of S. Africa, to whom I sent the following e-mail:

From: George P. Stavropoulos
<stavropoulos34@ATH.FORTHNET.GR>
Subject: Reporting possible criminal activity against the Union of
S. Africa
Date: April 22, 2011 3:35:48 PM GMT+03:00
To: ndlovuskhumbuzo@saps.org.za

Dear Mr. Skhumbuzo Ndlovu,

Having received the following message:

(in this place of my e-mail sent in envelop form that the Reader of this communication has already read above),

by which I am being invited to participate in what appears to be an attempt to commit financial fraud seemingly being attempted from within and against the Union of S. Africa by the person that sent me this message and possibly other persons only he knows, I immediately contacted the Interpol, that advised me to contact a concerned Police Department.

I think it best that I contact you, and request that you urgently investigate the case!

Please see to it that my name is **never** disclosed to anyone!

With my best wishes for you and your Country,
GPS—

COMMENT: **Question 1:** Has the lapse of time between April 19, 2011 at 5.57. PM, when Item 31 was sent, and April 21, 2011 at 10:44:37 AM GMT +03:00, when Item 32 was received been purely coincidental?

Question 2: Of all the billions of people in the world and the very many people sharing my surname all over the world, how indeed did Mr. Peter Buthelezi (assuming this name to be genuine) pick *me*? I am fully aware that I have annoyed much too many people of *seeming* importance, and Item 31 *cannot* but have indeed overfilled their glass!

Question 3: Assuming the attempted *criminal* activity proposed by Mr. Peter Buthelezi to be a real one, rather than a hoax attempting to dishonor me and my "ideas", how indeed is it that Mr. Skhumbuzo Ndlovu could not find the time to send me back even the driest "thank you" note, given the grossly insulting, if not also *criminally sycophantic* statement made in the fifth paragraph of the message regarding senior South Africa government functionaries diverting the funds for their personal gains, to avoid which Mr. Peter Buthelezi and his cohorts had had the gall to propose to me to act as a *false* relative of the deceased? But if the matter was "explained" to him, what was attempted by sending me the message labeled by Mr. Peter Buthelezi "WARM THOUGHTS", here presented in Item 32, surely assumes altogether different dimensions!

Question 4: Surely, isn't a sleuth of *genuine* Sherlock Holmesian acumen *indeed needed here*?

George P. Stavropoulos, B.Sc., M.Sc., D.I.C., Ph.D.
45 Sporadon St., Athens, 11361, Greece
Tel.: (01130)-210-823-3420
e-mail: stavropoulos34@ath.forthnet.gr
www.thefreegpslibrary.edu.gr

May 12, 2011.

33. Re: Psychology, Ethology and Science.

Nicholas S. Thompson
Emeritus Professor of Psychology and Ethology,
Clark University

Dear Sir:

I got your name from

RE: [FRIAM] on Dawkin's Atheism. A response - Opinionator Blog -
NYTime at

<http://www.mail-archive.com/friam@redfish.com/msg09349.html>,

and I would like to respond to your own comment at

<http://home.earthlink.net/~nickthompson/naturaldesigns/>

stating

"Natural Theologists were a group of scientist/christians who believed that the best way to know God was to study nature. If only I believed in God, I would be the last of the natural theologians. Alas, I do not. I am an avid Darwinian. Darwin shared many ideas with the Natural Theologists, most importantly the belief that nature was *designed*. Most of Darwin's life was spent gathering information about the origin and quality of its designs. Darwin's interest in natural design contrasts sharply with modern evolutionary biologists' who have mostly dedicated their energies to explaining natural design through natural selection. The essays and research on this website are dedicated to a different project: —trying to understand what it is about nature that led both Darwin and Paley to seek explanations. Just what is it that natural selection will have explained when the explanations have been agreed to and all the arguments have quieted down?"

After more than two years since you made the above statement, I feel that,

on re-reading it, you too *must* agree that all of you new evolutionists simply grabbed Darwin's belief that nature was *designed* and chose to build *supposedly* "scientific" arguments starting in the middle of the road as it were, *silently ignoring all that did have to take place before in order that the road exist at all!* The excuse that what went on before is not in your domain simply *cannot* stand on *solid* universal grounds! The physicists, today sticking on the relativity and wave-mechanical quantum theories, may *not* at the same time believe that the universe has "somehow" *always* been, *and* to be some 12-13 billion years old, *and* to be built on indeterminacy/uncertainty, while both they and you simply *may not do any work at all* of the very kind you do based on the *firm* belief that the very same universe allows you, respecting your own efforts, to do your work *unhindered* by the fear that things may *not* continue in your labs in the morning exactly as you left them the night before!!! Considerations of absolute relativity and uncertainty regarding your daily lab work *simply never* worry your own minds!!! You *cannot* have it both ways — believe your theories *and* be certain!!!

Of all recognized laws of nature, *only one* remains indisputable: Newton's law of gravitation. Yet, the *huge* lessons the law teaches remain unconfessed, for the sole reason that the professors *never* subjected it to *careful-strict* dimensional analysis, to extract at last from it the story it teaches! I shall say even this: That most of them do not even know what dimensional analysis of their own equations is, as I was since 1986 most surprised to find out, when I submitted to them my findings that simply *erase from serious consideration* the standing theories!

If you are at all curious, you need only visit the

www.thefreegpslibrary.edu.gr,

read the welcoming page and the first book in it: [PRINCIPIA PHYSICA UNIVERSI](#). While we are still breathing, it definitely is not too late to reconsider what we have wrought to bring this planet to its present condition! All previous generations have left us things of lasting value. *What* are we going to bequeath to the coming(?) generations other than lasting for untold thousands of years *deadly* radioactive wastes on a planet *depleted* of its natural wealth?

I only request that you kindly ponder this last question!

Sincerely, as the times demand,
GPS—

COMMENT: Not even N. S. Thompson, Emeritus Professor of Psychology and Ethology, sent back a word in minimally polite response! I truly wonder whether he ever had a *good* grasp of what the Greek word "Ethology" means: In Greek, there are *two related* words: ἔθος (meaning habit, custom and related to ἔθιμον = the established habits applied to an occasion and ἔθιμοτυπία = formalities) and the ἠθος (meaning the *moral* character/customs/habits of *both* individuals *and* the society, from which the word ἠθικὴ (in English) Ethics derives. A professor of "Ethology" *must* tell us whether he simply studies customs and habits, in which case the word Ethimology *is solely* proper; or *also, mainly and in depth* what makes people to form an *erect, correct and always upstanding moral Character and everything that goes along with it!* If not, woe to him!

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ACKNOWLEDGEMENTS

Are due to all those mentioned above and below, who also by not answering my letters to them made necessary the presentation even of this book to the world!
So that they, too, may be made known for their silence!

At the time of completion of the rear cover page, I thought it would be most useful to all this argumentation to obtain, *at least*, the opinions of Chief Justice John G. Roberts, Jr. and Associate Justice Antonin Scalia of the United States Supreme Court, that *in fact* decides the legal course of the USA, and thus though mutely of the world, on whether it is compatible with Reason:

(a) to include as part of the considerations of the Founding Fathers in setting down the First Amendment stipulations regarding Faith, and the freedom of Speech and of the Press (i) the *prohibition of punishment even for a false cry* of "Fire!" in a packed theater, and/or (ii) their prescience of the eventual appearance of ever more violent video games for children, the production and distribution of which may thus constitutionally (?) *not* be regulated???

In effect, in building the Nation, was the paramount interest of the Founding Fathers in that *every citizen have a solid, firm and correct moral character based on Truth*, or in that the profiteering of some at the expense of *all* others in the world not be inhibited???

As, today, where America leads, willy-nilly the rest of the world follows, should it not be uppermost in the concerns of the Supreme Court Justices that, under *their* judicial guidance,

the *entire world must* at very long last begin to develop a *character of correct moral spine*???

(b) is it or is it not the Justices' ***absolutely firm not just opinion but conviction*** that, *before a law is set down, its own lawgiver is unavoidably required to exist, in full agreement with the unimpeachable Reason-able sequence of Cause leading to Effect and never the reverse?*

As that *is indeed so*, should we understand it to apply solely to man-made laws, or *universally*?

On *what immovable Reason-able* grounds may we demand this distinction?

Without this distinction, even the *physical laws have had their own Lawgiver, they can be understood to be binding as shown by their full, strict and correct dimensional analysis, and He must be understood as having instituted those Laws for a fully preconceived Purpose. He may not be conceived as other than the Creator referred to in the Declaration of Independence!*

And unless a *yet superior* Being can *Reason-ably* be shown to exist,

the Creator Himself must be acknowledged to be the only One and Perfect Supreme Being! Having, as such, ***all three perfect abilities of Reasoning, Self-Expression, and Self-Inspiration, that are thus fully intertwined functions of His and do not constitute three separate, and just for that sufficient Reason, deficient Personalities!***

It follows that, once we *all Reason-ably* agree to this one and unique conception, *all other religious conceptions, including all forms of practiced atheism, are immediately seen to be truly blasphemous,*

contrary to the spirit of the Founding Fathers of the United States of America, and must thus be universally abandoned as unworthy of honest wise men and of their One True God! We may *not* continue to regard ourselves bound to past or present *erroneous* religious conceptions, and unless this exposition be Reason-ably shown to stand improvement, it itself *must* be considered as binding!

In order to submit these ideas to the two (and through them to all) US Supreme Court Justices and dutifully request the Court's opinion as to their *unimpeachable Reason-able* correctness, on July 4th 2011, I sent a message to the Court's Webmaster requesting that he kindly sent me their e-mail addresses. As that day was also the National Holiday, I had to wait some extra days to see if/when a reply would come. Of that short message, I did not retain a copy. On July 9th, 2011 at 2.23 pm Athens time, I sent to the Court's Webmaster the following letter (included in the Contents as Item 34.Jul.09,2011, and here shown in the Appendix): If I still receive no answer, I *shall* conclude that the *Supreme Court, not just its Webmaster, refused* to act as requested, and I then *shall* add to the book this page *as it now stands*, so that the Reader be informed even of this development. ***As no Law is truly worth having, unless it be universal!!! All less is to be rejected!!!***

APPENDIX

34. Re: Requesting for a 2nd time the e-mail addresses of Two Supreme Court Justices.

George P. Stavropoulos, B.Sc., M.Sc., D.I.C., Ph.D.
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www.thefreegpslibrary.edu.gr

July 09, 2011.

Webmaster
US Supreme Court
Washington, DC.

Sir:

On July 4th, 2011, I requested of you that you kindly send me the e-mail addresses of the Chief Justice John G. Roberts, Jr. and Associate Justice Antonin Scalia. Only indicatively and for the sake of brevity did I then mention the latest Supreme Court decision on violent video games for children. The whole matter goes so much deeper indeed that deeper yet it cannot go; and it lands before the Justices' feet, who on matters of Law lead the Nation and the world! I honestly hesitate to present it herewith even to you, in order not even thus to pre-expose the Justices to the thoughts of any other person on the matter that I indeed find necessary to present to them before any other!

At 77 and in shaken health I most certainly do not play games, nor am I in the least inconsiderate!

If I still do not receive their e-mail addresses, I shall be forced to conclude that THEY decline my request and to proceed as in that case I must!

I send you this note just also in order to correct any mistyping of my own e-mail address on your form that I might have committed in my first request, that would have made it impossible for you to get back to me!

Most sincerely,

GPS—

(Mail sent at 2.23pm Athens Time)

COMMENT: Not even to this second request was there a response. So, here now made public is the letter I would have sent to the two Justices:

**35. Re: On the US Constitution
and the Universality of Reason-able Law.
(This is the Letter the two Supreme Court Justices,
it *must* be judged, *refused* to receive).**

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July 09, 2011.

Chief Justice John G. Roberts, Jr. &
Associate Justice Antonin Scalia
US Supreme Court
Washington D.C.

Sirs:

Since in late 1985-early 1986 I completed the manuscript of my first book and officially sought to obtain the opinion on it and approval of the "scientific establishment" for its publication, I met with hard to describe resistance, due to the nature of its contents that *fundamentally questioned* the current, and for at least a whole century already accepted and taught as sacrosanct, "scientific" theories, which *the full, strict and correct dimensional analysis of Newton's Law of gravitation, never conducted before, unquestionably proved baseless due to their faulty suppositions* on which they are based.

The professors would *neither* confess the current views to be faulty, *nor* would they comment in writing on the intrinsic nature and quality of the analysis, *or* on the *unshakable* conclusions reached through it, ***proven moreover by the numerical findings of their own work!***

Now, having prepared the contents of my ninth book (containing a whole year's correspondence, never responded to *even by the Nobel Committee and Institute*) and written the back-cover page of it, I thought it necessary to present even to you Supreme Court Justices, *two* questions bearing on the *Universal* nature of the Law, that *cannot but be meaningless unless it be based on unshakable Reason*, whether it deals with matters of human or physical activities. Below, I present these questions just as I have decided to present them to the Reader on the Acknowledgements Page of my book:

(Here included would have been the middle section of p.244 presented above).

It is on *just these statements as here stated* that I respectfully as a Senior (77-years-old) US Citizen request to have your opinion as to their *unimpeachable Reason-able* correctness. I submit, ***a Law is truly worth having only if it be universal! All less is to be rejected!***

Most sincerely,
GPS—

COMMENT: It is with *very deep* regret indeed that I now (on July 28, 2011) I find it futile to waste more time waiting for an answer! Having given them my personal details in my letterhead, and thus also easy access to my website, *they already know what my principles are: those do, now, alas, even the Justices mutely attempt to avoid endorsing though being unable to refute!* It is by *such deliberate silence* that the world is led to where *all but the totally intellectually and spiritually self-blinded cannot see!!!* Which makes all the more palpable the reference, on the rear-cover page, to the mores and the Dies Irae!!!

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EPILOGUE

(This Epilogue was originally written to be placed on p.239. However, following the thoughts and actions described in the Appendix, it is now thought best that it be moved in its present place, especially considering the question in the very last line of it, that is addressed to every living soul on this Planet.)

A.

Taking the queue from the Comment on p. 238, and looking up the *current* meaning of the word "cynic" (= a person who believes that people are motivated by and acting purely for self-interest, *and himself acts as they*, rather than for honorable and/or unselfish reasons), I was truly shocked to see the *crude and purposeful* distortion the original and only correct meanings ancient Greek words have today assumed, exactly by people *feeling guilty at heart* who do not hesitate to accuse their accusers for their own sins:

But first please consider the toponym *Κυνοσάργους* consisting of two words, *κυνὸς ἄργους* turned into one, both in the genitive case of the nominative *κύων ἄργος* meaning "sleepless fast-reacting guardian dog". In the place carrying that toponym, located just outside and to the east of the Athens city walls there was the one of the three great gymnasia of the city in which alone children of mixed marriages could gather and exercise. Such a one was the greatest of the "Cynic" (= *κυνικός*, adj. derived from *κύων*) philosophers Diogenes (born of an Athenian father and a Thracian mother), a strict follower of the Socratic paradigm who had shown such public contempt for the ostentatious yet *ordinary* social behavior of the Athenians, that he had not hesitated to walk on the city streets even at mid-day, lit lantern in hand, in search for an *honest* man! Add to this two *solid* facts (a) that the ancient Greeks did *not* take their own names lightly but lived fully up to their meaning; and (b) that "Diogenes" means "of the *γένος* = lineage of Zeus" and (if you believe the *present* meaning of the word cynic) you have nothing other than an *extreme blasphemer* of God (as "Zeus" *would today* be pronounced by the Spaniards as "Θeus" = Θεὸς = God), in a society that as the trial of Socrates had already shown did *not* tolerate taking the name of God in vain, even as it adhered much to religious hypocrisy! Back then, the Cynic Diogenes did *not* hesitate to call hypocrites his own (half?)-fellow citizens (*including* among them the priesthood, self-limited as always to liturgical formalities) who did *not* stigmatize dishonesty! So, Cynic then meant the most inflexible believer in and upholder of the strictest moral

principles! Thus, *only now*, can you draw your comparisons and conclusions on how and by whom the ancient meanings are turned inside out and upside down!

The above proves the exact reversal of meaning of the word cynic, but it does *not* in the least explain or excuse the contempt, or else *fear*, with which today's "know it all" professors *refuse* to commit themselves in writing on matters of their *supposed* expertise that sufficiently by their own silence *is thus proven* badly wanting. Using Greek terms to "describe" the fields of expertise of professors does not necessarily absolve them of responsibility for unintended, far less for *intended* abuse, pushed back on the backs of the ancients! One *must* take the "explanations" of meaning supplied in today's computer dictionaries with a very great deal of caution, when one attempts to pass an original word, yet with *reversed* meaning to to-day's readers! Centuries have passed, the Greek has suffered badly in translation first to Latin, and from *there* to the other European languages: *inevitably*, at each step *some additional distortion did take effect*, and the ancient standards have been turned upside down! All in the name of "learning" and "progress"!

Do you still doubt what you have just read? Take the word Physics; derived from the Greek word Φυσική that applies *only* to *material* entities, yet it does *not* deny the existence of all else that is not material, *nor* does it prohibit Reason to reason way beyond the matter of material entities, in an *honest* effort of Man to obtain an understanding of the *entire* Living/Acting Existence Out There; still *not in the least well at all* understood, of which *material* entities are *only a part*! *Who* licensed the professors to limit the search of *our* knowledge solely to the limits of *their own blinders*??? That is *inexcusable license*, that *no one* has granted them!

Take the word mathematics: It derives from μαθηματικά, what you learn by taking μαθήματα = lessons; but not just any lessons, but solely those that refer to *intangibles* that *exist and are only exactly categorizable in the mind* in a way that once well learned can *never* be faulted or produce paradoxes or Logical conflicts. Herewith, please understand that to learn mathematics you truly need a mind/intellect/spirit that can be disciplined enough to learn and organize in itself the pertinent *intangibles* that are *not* matters of the brain, or else even animals *would* be capable of mathematics! And it is by the application of *strict* mathematical reasoning to physical quantities as used in the dimensional analysis of equations tying physical quantities together that its conclusions *cannot* be shaken!

Please, also understand that mathematics are *not* the only intangibles: What the British call "humanities", and especially the study of classical literature, classical arts, and classical philosophy, not just what today passes for "literature", "art" and "philosophy", *are also* intangibles that truly enrich the Spirit and make life not just bearable but truly worth living; the modern versions *are simply trash*, or else, especially the young would *not* need the "substances"!

So, for one more, take the word Psychology: The Greek word Ψυχολογία = *All* that can reasonably be said about the Ψυχήν = soul, the existence of which the atheists deny! *What*, then, are the atheist psychologists as "experts" talking about? Without Ψυχήν neither you, nor your professors, especially they, may

speak of ἠθικὴ = Ethics! Today's ethics most certainly is *not* suited to ἀνθρώπων ≠ humans! The Greek word, according to Plato derives from "ὁ ἀναθροῶν ἃ ὄπωπεν", meaning "he who *re-examines* (by using to the fullest *all* his intellectual attributes) what he has seen". The English word derives from humus and humid! Are *you*, my Reader, just only that? Do *you* really rate yourself so low? Have the professors shown to your fullest satisfaction how *your* entire intellect develops from the heartless and soulless humid humus? *This* is where the professors categorize you (after, mutely, they also categorize themselves!) even as they exploit you for their own benefit! Do at long last stand up to them! You have indeed suffered more than you can think putting your trust in them! Demand that they give a *persuasive* answer to all the questions raised by this *entire collection of work*, not just this book that is only a collection of my latest letters to which they could not face up!!!

B.

I admit that a great deal of the material contained in this book is repetitive. One cannot avoid it when one addresses so many people and submits to them for their consideration the same subject. It shall take an insistent reader to read all of it, if only to see how each one was approached as best I could think, given what I could gather from his position, titles, writings and social standing, that it would move the particular recipient to pertinent action. Now, it is for the Reader to determine whether the general silence this material met was truly pertinent or *impertinent* action, given the present dire state of the world, that those truly responsible for it insist on calling it a *passing* low ebb.

I, on my part, cannot but insist: what is done *cannot always be undone!* what we have wrought is now upon us! In our *insane* pursuit for ever more of everything, we all deplete the planet that very much faster of what it had that so far could sustain us! Now, as our general appetite for ever more has reached its paroxysm, all the more does my thesis become more evident:

The easily extractable solid minerals are all gone. And so is mineral oil. For some decades already, the war is already silently yet, maniacally on for what is left of it: of that, make *no* mistake! The natural possessors of it *are* treacherously slandered for sins *very much lesser* than our own! Amazonia is fast undressed of its lush vegetation that supplies most of the oxygen of the world. In pursuit of cultivable land, we cut down the forests everywhere, while we poison the seas that with their plankton also regenerate the oxygen we all breathe. We also burn and cut down the forests to build houses and provide more, but usually low-quality cultivable land! Madly, without the least concern, we keep using up the oxygen we all breathe without the least concern about how to replenish it! We do not in the least care about maintaining a *safe* oxygen balance! We keep on turning to heat all "higher" forms of usable energy, without regard for also maintaining a thermal balance, or also increasing the *true overall* (from the very first whack of the pickax on the ground on up) thermal efficiency of our ever more energy-producing madness! With increase in energy usage, inevitably

the polar ice will be gone and the sea level will rise everywhere! But *where* did you see politicians and professors *truly* concerned? When they are gone, let the world burn or drown after them! *That* is the *true* measure of their civic, civil, humanitarian or civilizational concern!: Let's push on one *easy* day after another! That truly is the natural flow from man-produced cause to its inevitable effect!

It is *not* that I regret the natural physical flow from cause to effect, that includes the man-produced add-ons. All living things have a life and have a death. What concerns me is the natural *manner* of our death! Because, *it was meant that nature would teach us how to live and how to die*, with *all* the dignity that befits *ἀνθρώπους*! But we, not recognizing ourselves as such anymore, are determined to upset and turn to rags the meaning of Creation! We owe that determination to our teachers, all those that either hidden or even in plain view move the strings that move *us*! Especially in this Country, the citizens, instead of looking carefully deep indeed inside themselves for the cause, having for such long years been pleased to dance to the tune of the strings attached to them, have now turned "indignant" as the strings, *not* so suddenly, are tightened! And the rest of the world are indeed scared of the omen effect! Perhaps, it fully befits the situation: The Greeks have *not* stood up all these long centuries as *κύνες ἄργοι* guardians of the precious ancient bequest, ever improving on it! They lost faith in themselves and the value of life *truly con Deo* well lived, stopped reasoning as their great teachers had taught, chose to listen only to ignorant, good for nothing at all, demagogues! So, the Last Day of God's Holy Ire has at last dawned!

While it lasts some shall stand erect, as God *shall be pleased* to see them so standing! All the rest shall madly dig, as do mice, to hide in their underground holes. Of course, their true hope of escape? NONE AT ALL! Τὸ κρύπτεσθ' ἀπὸ τοῦ Κυρίου ἀδύνατον! The silence of those asked to comment on the central subject of my pleas, which has to do with the *objective* Being of the Lord God *and all its consequences, including inescapably our Final Judgment by Him* speaks for itself and them! The last question remaining is:

What *You* Brother Shall Do???

Athens, Greece, June 29, 2011.

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VOICE THUNDERING IN THE WILDERNESS

by George P. Stavropoulos

This completes by own Ennead of books, that together with the Prayer makes up my Decalogue that I make a *free* electronic gift of to the World. What use the latter will make of them is up to all those, i.e., to every one who prides himself for partaking of the holy name "Αυθροπος! I do not doubt it or a moment that I am being deeply hated for it by all those that *resolutely* do *not* make such a gift to the World, but choose instead to charge, *not necessarily for a living but for vicious pleasure*, for the, *now all too well known to them all, lies* that they, with malice aforethought, serve to their Readers! They have rejected the "Αυθροπος" that has descended from Heaven in order to elevate us all back up There, and have chosen instead for themselves the "humans", that comes directly from the humid humus, to which returning, they hope to give rise to the next generation of "people" yet beastlier than themselves, just in order *purposely* to spite The Holy Heaven.

I do *not* level this terrible accusation lightly! Officially since 1986, I have pleaded with them to fault my findings. They have not! The best that I have *heard* from them, *not* daring to put down the least written word, is that all this generation must pass before all that I have written begins to be discussed seriously. This alone explains the dead silence! They shall not admit that they did not perform their duties diligently *and* scrupulously! They had a deadly conscious war to conduct against the High Heaven, and such a war demands that the attackers shed off all scruples and all diligence, that *are* Divine!

Now, fully conscious of their inability to refute at least the core thesis of my work, they continue to produce university graduates steeped in falsehood, for which they have spent dearly to acquire, on the pure *belief* that they were buying honest goods, and they in turn shall not admit that they have been had by their respected professors! This is how falsehoods perpetuate themselves in academia!

What still remains to be accounted for is the now *visible* shortening of resources, in the naked face of which, the "experts", turning en masse to magicians, offer "solutions" the consequences of which they diligently-purposefully hide from their customers, the inept politicians, who only care for is how *invisible* to the masses, to push yet another day behind them in their struggle for re-election. *Don't* ask for Values, or Honor, or Principles; "values" are what sells, "honor" is how most effectively to kill the "enemy" on orders that you may not question having turned yourself in to become just another cog in a massive-killing machine, and "principles" are what shall lead us *most inexpensively* to the desired objective that remains to be defined as "all that 'comfits' us and 'friends' we have ties with in pursuit of common, mostly unmentionable for being dishonorable, goals and discomfits the enemy we pick at the moment"!

In epochs and years long since passed those whom history has honored were those who dared to question the then status quo, even as they risked being poisoned or burned at the stake. Today, that risk has lessened, yet at the cost of being diligently cut off from affecting what are "*our*" established "interests". The effect on society is that today, with all those insatiable armies of profiteers and "journalists-for-hire", society most definitely is *not* better informed! Shown is only what "is fit to show", by the imprimatur of *defuse, conspiratorial, totally unknown* authority! O tempora! O mores! O infernal prodigality, exhibited proudly as "understanding" of "acausal" Law, by the *supposed* exemplars of "Law", "Morals", "Philosophy", "Science", "Theology" and "Truth"! O Dies Irae!!!

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Athens, July 2011.

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