

(This book is to be published in 2016. Below Introduction, Chapter Names, and Chapter Content preview are subject to revision, of course. The actual book will be as published, this preview is of current draft.)

Toppling Relativity: My Struggle with the Church of Physics

Mission Accomplished - Relativity Toppled

Introduction: Why this book

Physics Establishment today is a Truth-Suppressing Church that is squandering public money and indoctrinating students into beliefs which this Church knows, or should know, to be false.

Special and General Relativity's Time Dilation does not work for all Clock Mechanisms and thus is not actual Time Dilation at all. Church of Physics is Suppressing Observed Failure of Special Relativity's Time Dilation in Quasar Observations and Has Been Using Selective Clock Mechanisms for its Verification of Time Dilation. Media, under control of this Church, reports every experimental success of relativity worldwide but has not reported the Quasar failure.

Special Relativity is the greatest scripture of this moden Church. Indeed, the Church is aware of the truth of Einstein's quote that "a single experiment can prove me wrong," and saving Special Relativity by any means necessary has been the prime directive of the Church. General Relativity is founded on Special Relativity being correct.

The postulates of Special Relativity are correct. However, Einstein's Derivation that the constancy of speed of light necessarily requires that time dilate and length contract – a part of all College Level modern physics texts – is wrong. The Church of Physics has chosen to suppress this and continue teaching what they know is wrong. A counter-example is a definitive way to show a derivation is not a derivation at all. A valid counter-example to Einstein's derivation has been achieved and, in ten years of correspondence, no physics journal editor has been able to provide a referee report stating that it hasn't! But being a Church journal the editor cannot publish what goes against the holiest and most worshipped in modern physics.

New low cost experiments can today further demonstrate that Special Relativity is wrong but the powerful relativity-worshipping Church will not let such experiments be done.

This book further details that much what is published in Physics Journals is not science but is Church of Physics dogmatic nonsense where the Church secures massive funds for those who build on previous Church writings. The Church of Physics reserves its greatest applause and decorations for the most devout relativity-worshippers who prove their holiness by spending their lives building on relativity. Questioning the foundations of relativity is blasphemy to journal editors and career-suicide in physics.

Public officials disbursing tax-payer money should be held accountable for blindly and irresponsibly giving to this Church masquerading as objective science.

CHAPTERS

PART I: SOLVING THE MYSTERY OF THE MOTION OF LIGHT AND ENDING SO-CALLED SPACETIME OF RELATIVITY; A REVIEW OF SOME OTHER ACCEPTED ANSWERS IN PHYSICS

1. Foundations of the Spacetime Equations of Special Relativity: A Derivation Based on Unstated and Wrong Assumptions, and Thus Not a Derivation at All
2. Explaining the Continuous Triumphant Experimental Verifications of Relativity's Time Dilation: Illogic of Experimental Conclusions Illustrated by the Story of Holy Equations of Fictional Planet Venuts, Where its Militant Church of Physics Used the Differentiation of Experimental Verification to Become the Leading Religion

Chapter Preview Available:

[Experimental Physics of Planet Venuts: Discovery of Time Dilation becomes the foundation of Holy Equations](#)

[Church of Physics in Power on Venuts: Its Task of Maintaining the Holy Equations as Truth by suppression of unwanted experimental results and control over which experiments are performed](#)

[How the Church of Physics Came to Power on Venuts: Victory of the concept of Experimentally Verified Religion](#)

Note on contents of other chapters:

This book is partially based on notes of many years at my old website physicsnext.org. A few of the chapters, mainly those under PART II below, will build on those notes.

3. Experimental Failures of Relativity, and low-cost experiments that can create more failures
4. Back to 1905: The Mystery of the Motion of Light
5. Mission Accomplished (2005): How I Found the Correct Equations of Space and Time That Would Displace the Spacetime of Albert Einstein
6. The Mystery of Gravity
7. The Mystery of Quantum Mechanics
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 11. **In Science Unjustified and Subjective Starting Assumptions Can Cause All That Follows – Including Choice of Experiments and Resulting Experimental Verifications – To Be Wrong Conclusions**
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20. **The Cosmology of the Priests of the Church of Physics**
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27. Saving the Future: Solutions to Reducing the Variability of the Nature of Science So as to Make it Harder for a Take-Over by Another Faith-Based and Suppression-Based Group That Banishes Objectivity and Makes Science a Vehicle to Worship Their Cherished Beliefs

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The three previews below are all from

Chapter 2. Explaining the Continuous Triumphant Experimental Verifications of Relativity's Time Dilation: Illogic of Experimental Conclusions Illustrated by the Story of Holy Equations of Fictional Planet Venuts, Where its Militant Church of Physics Used the Differentiation of Experimental Verification to Become the Leading Religion

Experimental Physics of Planet Venuts: Discovery of Time Dilation becomes the foundation of Holy Equations

Planet Venuts distinguishing features included a high density crust, large radius, and very high mountains. A monumental experimentally-verified physics discovery was that gravity affects time, and time dilates as you go up from planet's surface. The early formula was that "time flow" varies in inverse proportion to the square root of g . (g is the acceleration due to gravity. g is what brings a ball back down to Venuts when you throw it up, decreasing the speed until the ball stops going up and then increasing speed as it came down. g of a planet depends on mass and radius, and properties of Venuts caused its g to be relatively very large). The picture of the great bearded physicist with a simple pendulum in his hand climbing the mountains to show that time itself dilates became the classic image of newly founded experimental physics and of true genius.

The slowing of time was repeatedly demonstrated by the same pendulum taking longer to complete a back-and-forth cycle when higher. With this emerging connection between gravity and time, the term "gravitime" came to be used in physics. Venutsian philosophers were devastated that this new field of physics could experimentally show that their conclusions about the "uniform flow" of time were wrong. With its high value of g and its very tall mountains Venutsian teachers could take entire group of school kids up the mountains with a simple pendulum in each teacher's hand and have them see that time itself dilates as one goes up. To further confirm that it actually is time that is dilating and that this is independent of clock mechanism they used an oscillating spring clock to show that the same square root of g time dilation.

A school of physics geniuses cropped up to build on this discovery of time dilation. Eventually the square root of g formula was refined but the concept of gravity causing time dilation as illustrated by simple experiment captured the imagination of all of Venuts and made physics the most admired intellectual pursuit. With

professional physicists in unanimous agreement, time dilation came to be regarded as being beyond a shadow of doubt – very much like the truths of religion was to its priests. Some skeptics remained – many of whom started off as aspiring physicists but dropped out, often involuntarily having no career prospects. In physics the best of minds maintained a no-nonsense attitude when it to time dilation, and crackpots were removed early from the system of students studying to be physicists. “If there is even one crackpot in the physics profession, that is one crackpot too many” thundered the great physics authority and all the physicists applauded. No professional physicist remained who questioned that claim that time itself dilates.

Biological effects of time dilation were verified multiple times, starting with when one twin was sent to live high up in the mountains, while the other lived down in the flatlands. When they met, the mountain twin looked young and healthy compared to the one in the flatlands. Lots of Venutians retired to the hills and enjoyed the healthy benefits of time dilation, remaining younger than their counterparts living on the lands below.

Ventusian physics faced a crisis when experiments showed that speed of light always remains the same no matter what speed the observer measuring the speed of light is itself moving. Multiple types of experimental setups were done to confirm this astonishing result. It violated the basic common sense about motion and required a revamp of old equations of relative motion.

Two geniuses – working together while their nations went to war with each other – emerged to provide the solutions physics needed. They followed this seemingly infallible logic: since $\text{speed} = \text{distance}/\text{time}$ the only way speed of light would remain same when measured by different moving observers is if there existed formulas by which distance and time measurements changed between the reference frames of these observers. Already familiar with gravitational Time Dilation concept, they introduced motion-based Time Dilation along with the new extraordinary concept of Length Contraction. Their derivation of what physics equations the constancy of the speed of light necessitates became the most admired work of Venutian modern physics. Gravity, motion, space, and time were now all connected and this collaborating pair and their equations became the founding equations of the physics of Venuts. They were the most honored people of their century – leaders of both science and peace.

Church of Physics in Power on Venuts: Its Task of Maintaining the Holy Equations as Truth by suppression of conflicting experimental results, control over which experiments are performed in future, and subjective interpretations of experimental data leading to pre-determined conclusions

The Church of Physics was now the main religion of Venuts, with its Holy Equations as its foundation.

The Church of Physics had absorbed within itself other physics organizations of Venuts, including the powerful group called Allied Physical Society (APS); much of the early Church leadership came from APS. The highest position in physics was Bishop of the Church of Physics. There were no more than a dozen active Bishops and they were chosen from those who devoted their lives to building on the Holy Equations. It was an honor that was far above all other awards and recognitions in science and non-science academic fields. The Bishops met at regular schedules meetings open to the public as well as closed meetings. The closed meeting were called Bishops-Level meetings which no one else could attend and which kept no records of what was discussed. Urgently called meetings were Zeta Meetings.

Bishop-Level Zeta Closed Meeting. Agenda: Unauthorized clock used to show Holy Equations' Time Dilation formula wrong

“We called this Zeta meet because of a situation which we are calling the Elefah-Gnitaek Incident. A test of the Time Dilation formulas of the Holy Equations was being performed by our highly respected professors Elefah and Gnitaek using atomic clocks and our highest-speed space planes. The pilot turned out be carrying an unauthorized clock to attempt an alternative test of Time Dilation. You have some of the details in the brief, others are just coming in. The pilot took an authorized high-precision Tuning Fork clock which underwent a Time Dilation when compared to its twin clock left on the ground. But the pilot's clocks gave a time dilation which seemingly contradicted the Time Dilation of the Holy Equations. Elefah and Gnitaek successfully verified

with their atomic clocks that Time Dilation was as predicted by the Holy Equations.

“The only precision clocks are atomic clocks. No other clock can measure Time Dilation. How did a Tuning Fork clock even show a Time Dilation reading?”

“Two factors. Tuning fork clocks were highest precision just before the atomic clocks took over, and even were the clocks in our space programs. The pilot obtained the highest precision prototype directly from the manufacturer. The second factor is that our space-planes have gotten very fast making it easier to test our high speed space and time formulas.

“What kinds of pilots are we hiring for our most important missions? Rebels?”

“The pilot had passed all background checks. She was a supporter of the Church of Physics from her early days. She was outspoken against traditional religion and particularly attacked their miracles as being unproved and impossible. She briefly worked with an experimental physics lab after college, but left to become a pilot and wanted to be an astronaut.

“In recent years she evolved into what they call a spiritual atheist, and met the wrong people who showed her crackpot physics papers.

“I hate the phrase ‘spiritual atheist’ – spiritual mumbo-jumbo is a threat to atheism. I have always said that. Now even our own church has these spiritual people and we accept them. We have become too liberal.

“How did she get into clock experiments?”

“Among her most read documents was a paper which we had deleted from Ourxiv as being nonsense.

“It got into Ourxiv by being disguised as normal looking paper that was suggesting new applications of the Holy Equations. The paper was made to circumvent our auto scans. Its real agenda was in a foot-note, and even that had enough filler material to camouflage the message and circumvent Ourxiv filters. The foot-note, with the filler material removed says this: There might be no dilation of time itself ... clocks are mechanisms that are affected by forces and motion so they show different times when moving and when under influence of gravity ... it is wrong to assume that time itself dilates ... if you know the clock mechanism then time dilation as a concept is not needed ... you can predict the time change, and this will not be same for all clocks, but will vary depending on mechanism. He named the tuning fork clock as a way to....

“How did such a paper even get into Ourxiv? It is Ourxiv as is Our as in O-U-R.”

“Only physics professors can get in a new candidate’s paper, which is meant to be used for their doctoral students. And professors know that their career is ruined if even one crackpot paper gets endorsed. Doesn’t matter who you are; you help get a crackpot on Ourxiv, you are blacklisted as a crackpot yourself. We have ended careers.

“The author was at the time a doctoral in a physics department, and uploaded it. The author has since left physics and his professor was blacklisted and cannot get a paper into Ourxiv or in any physics journals. They are both history as far as being part of physics is concerned.

“We don’t delete fraudulent papers fast enough, that is our problem!”

“We don’t know what papers to delete. The paper was camouflaged to not raise any flags and even that foot-note suggesting clock mechanisms would explain time dilation had deliberate filler material.

“What is this clock mechanism nonsense? Lifetimes of muons undergo Time Dilation. The muon is a point particle, and we have experimentally verified this fact. Means there is no internal structure and thus no

possible mechanism inside a muon. So we know Time Dilation has nothing to do with inner mechanism. He, of course, being a crackpot did not address that, did he?

“He did and rejects our experimental conclusion that muon is a point particle. Further, he claims that that only clocks inner with mechanism that is orthogonal to motion will give the exact Holy Equations Time Dilation.

“Who is he to reject our conclusion about muon being a point particle – a conclusion from experiment, E-X-P-E-R-I-M-E-N-T! What ‘inner mechanism’? What orthogonal? We have shown time and time again through experimental verifications that Time Dilation happens because it is time itself that is actually dilating. The published experimental results state clearly that time itself has been shown to dilate, and the dilation is always exactly as predicted by the Time Dilation formula. We are highly competent professionals and what is experimentally verified by our experts is locked as truth. If not then physics would never function.

“This kind of clock mechanism nonsense is a waste of everyone’s time! Are we at the helm of physics now answerable to every rambling crackpot?

“We are here because of the Tuning Fork clock experiment, not because of a paper he wrote that we removed from Ourxiv.

“Don’t use the word ‘experiment.’ There was no tuning fork clock experiment. Only we do experiments. Us, we – APS, Church of physics.

“What is the story with this Ourxiv infiltrator author, what is he doing now?

“The Ourxiv infiltrator dropped out of physics soon after submission of the paper, but bragged out his paper’s removal from Ourxiv on the net – to him it was a badge of honor and for a while he became a hero among crackpots.

“What is he doing now?

“Teaching small kids in school. He no longer tinkers with physics. He calls himself a philosopher now. He has written a philosophy book – about Ethics and Atheism – seems to be writing another. All academic publishers rejected his first book. He will not amount to anything in academia.

“A physics crackpot and a philosophy crackpot. What a loser.

“And the pilot? Whom did she tell about her stunt?

“She contacted our dear prolific experimental science reporter most-admired by the public as ‘Mr. Objective.’ She broke down in front of him and explained she actually was not looking to contradict the Time Dilation formula. She is a believer of the Holy Equations and was being pressured into trying a Tuning Fork clock by anti-science people in her spiritual group who found out that she was flying the new highest-speed plane for a Time Dilation experiment.

“These people suggested that the Church of Physics chooses their clocks, and their experiments are fixed to give results consistent with the Holy Equations.

“Who were these people who told her this?

“The people she met were our two most notorious professors who we shut out of physics. I thought we had heard the last of them but they not finished bothering us and were seemingly looking to contact space-plane pilots. They probably joined the group to meet her.

“She refused further contact with them but had the paper they gave her and was tempted to try the Tuning

Fork clock out of curiosity. She obtained the clock on loan herself – she can apparently be very charming and charismatic, and presented herself as a researcher and admirer of precision time-devices and a budding astronomer. No one knew anything about her plan, she kept it a secret. She had moved to living alone for spiritual reasons after her divorce and there was no daily interaction with anyone. She actually was shocked that Time Dilation result was different in her clock. Our reporter took her to the science-editor for suggestions and discussion. She wanted to know what went wrong and could it be true that itself does not dilate. The science-editor called us and we picked her up. We tracked every action and she actually contacted no one else after she landed.

“Where is she now?”

“She died.

“That is not fair. She did not have an agenda against us. She was caught by curiosity.

“What we do we do for the good of all humankind. If she did not have an agenda against us then why a read a paper that we have rejected and cast out as trash, she thinks we don’t know how to do physics? She thinks we are stupid to not take multiple clock mechanisms up in the experiment plane, and she has to outsmart us by bringing another type of clock? It was bad company, misuse of her position, carrying hidden contraband, greed and dreams of grandeur that did her in. She did not know that the media is ours, and there is no way to get such a story covered. All she cared is for her own self, with no respect for how her actions may harm our cause and interfere with our duty to the people of Venuts.

“In physics we do an experiment using proper methodology, and publish the result in a peer-reviewed journal, and if it is that important then much of the physics community views the published result and debates it. That is the scientific method and our way of doing physics. Bringing in a clock into someone’s else’s properly conducted clock experiment and then taking the result not to us scientists but to the media – that is a dangerous precedent and such behavior can have unfortunate consequences. If she had a scientific suggestion she could have approached physicists and suggested they conduct such an experiment formally and properly. Working through proper channels is the way not just of physics but of society itself. Anarchists and conspiracy theorists are a danger to all properly functioning communities, and we will never let such miscreants disrupt our way of doing physics.

“I still say that this would never have happened if Ourxiv did not get that paper in and then make it worse by removing, we must not let such papers in at all. It was such a paper that inspired her to pull her stunt.

“We no longer remove, we move them to a ‘general’ section which is anything-goes as long as submitted by professional physicists. That section no one cites. We no longer give crackpots bragging rights of having been deleted.

“What do we do about this Tuning Fork clock?”

“We tested on our own and the anomaly persists. We, of course, know that our Time Dilation formula is correct. But is there possibly a ‘local effect’ relating to clock mechanism which might be in play? Our best minds, who are authorized to view this classified information are on it.

“I think it is likely a flawed clock. A clock must be proper for it to give proper Time Dilation.

“The pilot went from being a believer to a disbeliever based on this anomalous clock mechanism. We cannot retreat and risk losing believers based on anomalies. We have to eradicate the problem.

“The Tuning Fork clock manufacturing unit will be struck by lightning tomorrow night – at a time when there will be no people in the building. These clocks were not selling anyway. Tuning Fork precision clocks will no longer be made on Venuts.

“The other great threat this incident brings out are non-professional want-to-be experimenters with access to high speed travel – the space plane. We cannot allow this experimental adventurism. Super-plane passenger program stands cancelled, we don't want crackpots or curious amateurs doing physics experiments using the high speed we have achieved. Only professional top-ranked physicists and other authorized officials can travel at these high speeds, and only for certain occasions. We will, of course, continue to use it for our urgent Zeta-level meetings; they wonderfully get us back to our cities in minutes.

“We must give Elefah-Gnitaek verification of Time Dilation equations the maximum coverage. This cowardly, under-handed behavior of the pilot should not disrupt the celebration of the success of their experiment. All media must cover it on their front pages.

“Time Dilation equation works perfectly for atomic clocks, there is no doubt about that. Use these clocks to verify it to more and more accuracy, up to a billionth. Mention the level of accuracy in every school text-book.

...Many years later...

Bishop-Level Closed Meeting. Agenda: Quasars Failure of Time Dilation.

“Quasars are showing no Time Dilation at all. A lower journal published the experimental findings, all the higher ones refused to publish. It was done by a lone experimenter and we should leave him alone but must suppress this. So the bad news is that this is now peer-reviewed, but we monitored the publication attempts and decided that we must let it be published but suppress it thereafter. The experimenter was not expecting this null result, and is a decent Church of Physics member with respect for our authority.

“Any citations to the quasar anomaly paper?

“None, almost no one even knows about it and no Church of Physics researcher cares about an experimental result that violates the Holy Equations. And dignifying the anomaly by addressing it will not be good for anyone's career.

“Is the lone experimenter going to make trouble. Accuse us of not addressing this failure?

“No, he is a gentleman. He is not out to rouse the rabble and say the Holy Equations are wrong. He has published and we have suppressed. And both sides have moved on.

“In any case the media will not cover this, so there will be no trouble. Even if the researcher tries to make noise, we will be able to stop it at the start itself.

“Permission to speak freely?

“Always. You are the rising star in physics. Please tell us what is on your mind.

“In my opinion, the most important decision in physics history was getting the APS office established at the National Press Building in the Capital District. The press sells the story that we want told – that we physicists like to challenge our accepted theories as part of our search for objective truths that are out there. The public believes that we are always looking to find ways to challenge even the most overwhelmingly accepted foundations, and they become foundations because they withstand all these efforts. This has been key to the public perception that the Holy Equations have withstood challenges from scientists who love to refute, and the Equations have proved irrefutable. My books, writings, and talks have helped cement this perception, and many others have worked a lifetime to consolidate this view of physics and science into the minds of the people of Venuts. Thus we can say that if the Holy Equations were wrong then the whole crop of generations of scientists looking to refute would have refuted them. If the people felt that in science we do not like to refute and do not like to address experimental anomalies, then trust in science will be lost.

“We appreciate the efforts of all professionals who have devoted themselves to the cause of creating the needed public perceptions about physics.

“But, frankly, the greatest role the press plays is in suppression of experimental anomalies that challenge our foundations – by not giving them coverage while publicizing every experimental success of the Holy Equations. We physicists are able to live with the reality that we do not like to try to refute our foundational theories and certainly will never attempt to refute the Holy Equations, or tolerate those who try to. The biggest danger to the Holy Equations is an unexpected experimental result. A single experiment can knock our foundations, and we have to protect against such an event. It has always been the way of physics to defend the foundations against those who try to refute, so we are normal physicists. We can use selective experimentation but anomalies can arise in unexpected routine experiments. And this is an example, because no one would have expected quasars to not conform to Time Dilation. If the press refused to cooperate in suppressing unwanted experimental results, the talk of the whole planet would be whether the Holy Equations are right or wrong. The importance of our partnership with the press must not be underestimated and our relationship is of two groups who understand each other’s needs and problems and work together with such understanding, rather than demand an ideal which does not exist.

“People of Venuts should not know anything about physics except what we want them to know. Our journals and Ourxiv will never accept a paper that attempts to refute the Holy Equations, and anything that they do not accept is, by definition, insignificant gibberish. No one reads gibberish and no one should. But the problem is with a paper like this that does get published. Even if no professional physicist cites it there is a problem of net search and an experimental anomaly such as quasars not showing Time Dilation coming up as a published paper in such search. The paper can be found even if there are no citations and it will be found as a paper that passed peer-review.

“Surely, we have once-busy physics professors who don’t have much to do all day and have ample time – use them more and more to list the experimental successes and to denounce questioners as crackpots. We must also flood the net with our verifications, so that verifications is all the people will find. Officially, Time Dilation has passed every Experimental test. What we suppress cannot come up in any net search. Every college professor and school teacher teaches that the equations passed all experiments, because they don’t know of anomalies or other problems. We cannot risk changing that.

“We need not worry about physics teachers in our schools or colleges rebelling against anything. They are sheep who will teach what is put in front of them. If the textbook says that the Holy Equations have passed all experimental tests that is what they are contracted to teach. It does not matter what else a physics professor might know, they will not contradict the written words in the books, let alone boldly state to students that the textbook assigned to them by Church of Physics authorities is not correct.

“Nevertheless, it is better for everyone if our professors and teachers do not know of experimental anomalies in the first place.

“Agreed. And let us work hard to keep it that way.

“All of us are here because we have full faith that Time Dilation and Length Contraction are true, and full faith in our experiments that have shown them to be beyond a shadow of doubt. We don’t care who does what experiments to try to refute whatever other established physics. Just don’t refute the Holy Equations, these are the foundations that we have built on. We are teaching students the truth, as we always do in science. If the foundations go then so does much of our life’s work, and everybody else’s life’s work. Most important is our victory over old religions based on experimental verification of the Holy Equations as the truth above all falsehoods of the old religions. We are exploiting planetary resources to the largest scale in our Super Machine project to build an actual new universe using the foundations of the Holy Equations; the people of Venuts have full faith in us.

“We destroyed religion and made atheism mainstream and there is no greater progress than that in the history of Venuts. We did it for all the people of Venuts.

“We have to conclude addressing the telescope issue at hand; we can leave the philosophizing for later.

“The greatest danger to the church of physics may be the possession of advanced telescopes by non-professionals or non-cooperative professional physicists. Who knows what discoveries they could make as telescopes get more advanced? Telescopes were the worst thing to happen to the ‘Earth is center of universe’ view of the old churches, and now the telescope threat is upon us and upon our Holy Equations.

“We have a duly certified report that terrorists are using advanced telescopes to try and plan bringing down our satellites. We are sharing this with telescope companies. Given that this is a terror-prevention initiative, they will no longer mass-market advanced telescopes. You will need a permit to buy – means only authorized professionals will have advanced telescopes. We will track each advanced telescope and who is using it for what. We will also slow down advancement of telescope technology, except for our big telescopes we have up in space. We are forming a telescope task-force and will be ready for quick action on any observation should such need arise.

“I have been quiet today and for many previous meetings. I now have had enough. I quit this Church committee and I quit physics. I had suggested in private discussions that failed old religions who mocked us as not having any permanent truths actually trapped us. Because not having fixed truths was a good thing until we took the absolute stand before the world that the Holy Equations were true and forever – because of all the experimental verifications.

“But now I realize that we trapped ourselves by having completely arrogant and thoughtless fools speak for us at the time of struggle for power with the old religions. Our idiots blabbered anything and their words are set in stone now. They are exactly like all of you, and this is not surprising because you emulate your heroes. I believe you are your own biggest enemies and nothing can save the Church of Physics from you.

...Many years later...

Bishops-Level Closed Meeting. Agenda: Installing an authority at the Super Machine project who will deliver the needed experimental data interpretations and provide the basic expected experimental conclusions.

“We have to show regular progress on the new universe project, the people of Venuts are very enthusiastically waiting for big news.

“Why do we not have a conclusive of step-by-step success time-table ready to convey to the public?

“The director of the project is at fault. With a super machine project like this, there are two sides to interpreting the data and he listens to both sides. Thus we are going nowhere.

“We need to announce that we have found what we were looking for, we are spending large public money.

“His report is that we have data but does it actually show what we were predicting? We are only asking for the basic expected confirmations, and even that he will not deliver.

“A change of director can give us the interpretation that it was a successful verification, and the new boss can also weed out those scientists who dissent.

“I just met the director and he has changed, it seems power has corrupted him. He is no longer the team-player we knew and is on a scientific integrity streak. In his old age he has become naïve; perhaps he is reading too many of the books about scientific ideals written by our physicists but they were for the people and not for professionals. A change of director is absolutely needed. But we can't just replace him. He wants the job, and

he is a hot head who will throw a fit. But I believe, we have an alternative solution, yes?

“We have a solution. We can make him an offer that will make him a very happy man, and make him want to leave and get back to the work he did he became director of our project. We already have performed an experiment that relates to his research before he took over as director of new universe project. The data from this experiment can be interpreted to show that the theory extension that he has predicted all his life is correct. He leaves the project, and goes back to the university with his head in the clouds and lives happily till he dies. It will also give him a chance to go on a lecture tour and listen to himself talk, which he enjoys so much. After he dies we redo the experiment and apply the more rigorous interpretation which shows that he was actually wrong.

“There is no life after death, we all know that. So his success is complete, we have given him everything. And we get a new director who interprets data in the proper scientific manner it should be interpreted based on the theories we are looking to confirm, and also cleans out the dissenters who have the current director’s ear.

“What we physicists of the Church of Physics do, we do for the good for all humankind. We have saved Venuts from religious dogma and myths – and most particularly from the God concept – which were all false nonsense that dominated the planet since human civilization began. Unlike the old religions, what we state as being fact, we will always provide experimental verification for!

How the Church of Physics Came to Power on Venuts: Victory of the concept of Experimentally Verified Religion

Planet Venuts had settled down to two major religions, along with several smaller ones. The founders of early physics considered religion to be an “unnecessary evil” and also founded militant atheism. Their Atheistic Church did not succeed in getting too many followers. Many of the founders of this new church concluded that people wanted the words Sacred and Holy in their lives. The term “Holy Equations” was coined by a group of physicists but that came under extreme criticism from the two major religions as well as the founders of the atheistic church, and the term was abandoned.

...Many years later...

While not a serious challenge to two major religions, the atheistic Church – strongly under the influence of physicists and other scientists – became the fastest growing religion among the other smaller religions.

...Many years later...

Physicists and biologists, buoyed by the new Theory of Evolution renewed their attack on religion with great fervor. They introduced the concept of physics equations being holy with the leadership proclaiming: “Only truth is holy, physics is experimentally verifiable truth. Religion is a story and is fiction because there is no God. All miracles of religion are, by the truth that is physics, impossible and false.” The atheistic church had become Venuts' third-largest religion. It began to be called the “Church of Physics and Other Sciences” and proclaimed itself the “Only Experimentally Verifiable Religion.” The term “Holy Equations” began seeing common use. The atheistic church was becoming more and more aggressive in publicly attacking the concept of God and the God-centered religions.

...Many years later...

Radioactive bomb contaminated the holiest site of one of the two main religions, seemingly done by a fanatic of the other major religion. Riots occurred all over the world between the two leading religions. Venuts was in crisis like they had never seen. The question of religion and its harm to society became the primary open debate. Physicists appealed to the mass public: “The Holy Equations of space, time and gravity are the experimentally verifiable universal truth. Venuts must no longer embrace falsehoods.” The word “experimentally verifiable truth” was the atheistic church’s popular slogan and the church adopted the short name: “Church of Physics.”

The Church of Physics was way ahead of the traditional religions in using new media. They were very successful in framing into the minds of Venutsians the horrifying images and videos of deaths and carnage of religious riots with the words “Never Again” superimposed. The appeal sent out by the Church of Physics was that it was time to shun traditional religion and save itself was winning mass converts from the two major religions.

...Many years later...

The Church of Physics' proclamations of “truth” come under attack by the God-believing churches, with the Bishop or Emor (also called the Pope), in a speech watched live across the planet, proclaiming: "Physics wanders from one theory's wrong equations to another and cannot be claimed to have found any truth. It is all just mis-steps in the dark. So it is not truth. There is no physics formula that is true, nor will there ever be!"

Professor M, the greatest living physicist, delivered the official rebuttal: “After physics theories reach their mature forms, their equations represent permanent accomplishments. Our Holy Equations are permanent and final equations, as verified by every experiment ever done.”*

*The first sentence of quote is adapted from article on physics by physicist Steven Weinberg of planet Earth.

Editorials in various media provided further arguments supporting physicists. They explained to the public in words like these: Even the old equations connecting gravity and time were permanent in that the new equations limit down to the old ones, so that rule of limiting down to was obeyed and connected the old equations to the new ones. This change to New Equations happened because of the new experimental fact that speed of light remains constant no matter what speed the observer is moving at. However, that stage is now over and we are at a much higher level of sophistication and experimental verification of the foundations. There is no possibility of such new fact coming along to make us change the foundational equations again – not even a new case of limiting down remains possible.

New attacks from the old religions were aimed at specifics of the Holy Equations of space, time and gravity: “The greatest miracle claimed by any religion is never-seen Length Contraction which is part of the Holy Equations.” Physicists hit back: “The religions preach false miracles, and their miracles are performed by God. In time even our Length Contraction will be verified just as Time Dilation has been. But the existence of their God has never been verified, nor will it ever be.” In their coverage most of the media dismissed attacks on the Holy Equations as attacks on truth; the old religions increasingly began to accuse the media of bias, but the press countered that they are committed only to truth.

The Church of Physics was increasingly converting media persons, who would become core supporters and apostles. Media was increasingly recruiting atheistic “intellectuals” who understood and could explain the wonder of the Holy Equations and their experimentally verified status to the masses.

...Many years later...

Venutsians were thinking that the the planet would settle to normalcy in coming years and nightmare was over – they did not realize that it had not even begun. The other major religion's holy sites were made radioactive too...it was “revenge” and “evened out the field”. Venuts faced decades of wars between nations and multiple civil war was within nations. People became increasingly wary of the religion.

Militant atheism was now leading the daily news and the Church of Physics was looming as the promise of the future. All mainstream media outlets, and even most of the independent ones, agreed that the domination of the old religions was on its way out. Several expert media persons delivered the message that the days of believers of one “myth” killing believers of another “myth” were over. The people of Venuts were being increasingly persuaded via various public channels to abandon the old religions and their myths and to embrace Church of Physics as the Experimentally Verified Religion. More and more people were beginning to agree that religion was an “unnecessary evil” which has brought devastation humanity.

The Experimentally Verified Religion had no prayers because physics had explained how the universe came into being. They had ruled out a Creator and had shown no possible mechanism could exist for a God to control anything. School teachers and school children, who had in large numbers become members of the Church of Physics, launched militant protests against prayers in schools. All schools abandoned the practice of prayers. A new “objectivity” was taking over education and “myth” was put into their books when discussing the old religions.

...Many years later...

Physicists announce that with their mastery and experimental verification of the cosmology which flowed from the Holy Equations they could now create a universe. They had “Experimentally verified” the various steps and now needed to combine them into one process. They called this new universe-to-be: Heaven. A wave of shock struck planet Venuts and slowly transformed into awe.

The news was – according to agreement between the media and the Church of Physics – was transmitted to even the remotest tribes in Venuts; all old religion was now facing the wonder of a new and objective religion that would actually create Heaven.

Church of Physics journals published papers about the New Universe project and these became the most cited papers. People working on this research were declared to be the best minds in physics, and they rigorously fine-tuned each other’s papers on creating a new universe founded on the Holy Equations. The media transmitted these to the general public with great enthusiasm, and the love affair between the media and Church of Physics reached a new frenzy.

...Many years later...

Church of Physics was now the leading religion on Venuts.

Physicists – members of the Church of Physics - became the most powerful people on Venuts and their arrogance touched the stars. Based on their influence most people now felt that there was no need for God. Those clinging to the God-believing religions were considered to be less intelligent; almost no one with a college degree believed in God. Holiness was now considered to be in the equations of physics which, given the experimental proof, were accepted to be highest truth of the universe. Physicists were well on their way to using the Holy Equations to create Heaven. The Super Machine that would create Heaven was the most important news story, year after year, with “objective” experts being brought on by the news-makers to verify the progress all along the way. The people of Venuts had full faith – based on experimental evidence they closely followed – that the Church of Physics was well on its way to deliver them to Heaven.

The geniuses who published highest-impact physics papers building on the founding Holy Equations – “impact” being measured by how many Church of Physics professors cited the published papers in their own papers – were the most celebrated people on Venuts. Extravagant stage performances combined song, dance and special-effects to showcase their work and allowed them to humbly explain how their success resulted from their standing on the shoulders of the giants who formulated the Holy Equations. The grandness and brilliance of the shows put up by the Church of Physics dwarfed all other performances on Venuts.

Many Bishops of the old churches were overwhelmed and, one by one, became atheists who openly subscribed to the doctrines of the Church of Physics. Their major spokesperson dumped the old Church during live broadcasted debate, cursed God-worshipping religions, and apologized for deceit and destruction that religion had brought to Venuts.

Not considering the leaders of the old religions to any longer be a challenge to their rapid takeover of Venuts, the atheistic Church of Physics issued direct challenges to the God of the old religions through large advertisements. One such challenge ran:

“Believers in God are now the laughing stock of Venuts! This planet no longer believes in stories of

God-empowered alleged messiahs, representatives, and miscellaneous miracle-workers. Truth now rules on Venuts!"

"Dear God of the religions who never was – if you do exist then appear and correct us or show a miracle." And lists of possible miracles were suggested.

"We know how to create universe and thus Venuts no longer requires a creator God. Signed – The Creators"
It carried signatures of thousand leading Church of Physics professors who were working on creating the new universe.