Exposing The So Called

# Scientific Miracles In The Qur'an

# Mistranslations & Fallacies

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# Introduction

# Questions To Our Dear Muslim Friends About Science & Qur'an

Sincere Muslims on the streets of downtown of many American and Canadian cities are making a great effort to promote Islam.
They have every right to their "dawah" because they are genuinely convinced that Islam is the only path to Allah.
The only reservation we have is that in some of the materials that they use, they attack the Christian faith without making a real effort to understand it. The cover pages of some of those publications are included at the end of this booklet.
As part of their sincere effort, Our Muslim friends also hand out copies of the Qur'an, tracts, and books.
Among those books, one is titled "Islam - Balancing life and beyond" and another is titled" A BRIEF ILLUSTRATED GUIDE TO UNDERSTANDING ISLAM".
The later is translated to different languages including Chinese.
(Images of the cover pages are included at the back of this booklet).
The authors of those booklets went in great details, using colored pictures to illustrate how their holy book is compatible with modern science.
In our opinion this is a dangerous and slippery slope. Over zealotry gets in the way and when that happens, objectivity becomes a victim.

Sincere love to our Muslim friends compels us to share with them where we think that happens in their publications. We do that with respect and with no malice intended, hoping that they reconsider their position.

Believers in a Theistic God: Jews, Christians, and Muslims alike, should not fall in the trap of overloading verses of their holy

scriptures with meanings that were not even remotely intended.

It was Andrei Sakharov- the father of the Russian Atomic bomb- who said in his late days:" I have always thought that the most powerful weapon in the world was the bomb, but I have come to the conclusion that it wasn't the bomb but it is the truth".
Sakharov was really echoing what Christ Himself said almost two millennia before him.
"And you know the truth, and the truth will set you free."
( John 8:32)
Pursuing the truth should always be paramount.

## Acknowledgement

The material presented in this booklet, for the most part, is based on studies published by authors who either are well versed in Islamic studies and the Arabic language or specialized in the medical field. Their names are listed at the back of the booklet.
We are grateful for their contribution in upholding the truth and standing firm in proclaiming it.

# 1-Qur'an And Embryology

**1- In the English translation of the Qur'an by Abdullah Yusuf Ali, he used the word "sperm" each time as a translation for the Arabic word "نطفة". while the word "sperm" in Arabic is حيوان منوى . He did this 11 times (16:4, 18:37, 22:5, 23:13, 23:14, 35:11, 36:77, 40:, 75:, 76:2 and 80:19).**

***If the word "Sperm" حيوان منوى does not exist in the Arabic text of the Qur'an , why do translators mislead non-Arab readers by using it in their translations?!***

**2- In Surah 16:4, we read "He has created man from a sperm-drop ".This has been known since the beginning of civilization. Moses wrote about it more than 2000 years before the Qur'an**

**was written. In Genesis 38:9 the Bible tells us that Onan "spilled his semen on the ground to keep from producing offspring for his brother". The Qur'anic verses which describe the origin of life as a drop of emitted fluid are therefore no more than a direct observation as to what is released during the act of sexual intercourse.**

***In light of the above, how could what is mentioned in Surah 16:4 be a "scientific miracle"?!***

**3-The term "*nutfah* "is used in the Qur'an when describing the fluid which gushes out during sexual intercourse and clearly this can only refer to semen. However, Prof. Keith Moore of the university of Toronto (the man that some Muslims rely on his writings to boost the Islamic Dawah) is keen to translate *nutfah* in surah 76:2 as "mingled fluid" and explains that this Arabic term refers to the male and female fluids which contain the gametes (male sperms and female eggs).**
**This can reasonably be translated semen, or at a push, germinal fluid but not a "mingled fluid".**

***Is it scientifically objective to mis-translate an Arabic text using non-Arabic speaking professor?!***

**4-The "mingled fluid" term was used as early as Hippocrates (1000 years before the Qur'an), who spoke of male and female reproductive fluids (but obviously could not have been aware of the cells contained in the fluids). That was because the ancient Greeks could not have been able to see individual sperms or eggs. These are only being visible through a microscope.**
**The Qur'an emphatically does *not* mention sperms or eggs; it simply says *nutfah.***
**If Moore wishes to translate *nutfah* as mingled fluid, he inadvertently reinforces that the Qur'an is borrowing this term from the Greeks.**

**Does borrowing a 1000 years old term make the Qur'an scientifically miraculous?!**

**5- Surah 86:6 is interesting since it claims that during the act of sexual intercourse, the "gushing fluid" or semen issues from between the loins and the ribs. Semen is apparently coming out of the area around the kidneys and back, which is a real problem for we know that the testicles are the sites of sperm production.**

**Is this really a scientific miracle or a scientific problem?**

**6-Surah 22:5 says "We created you out of dust, then out of sperm, then out of a leech-like clot, then from a morsel of flesh, partly formed and partly unformed ... and We cause whom We will to rest in the wombs for an appointed term, then do We bring you out as babes."**

**Surah 23:13-14 repeats this idea by saying God "placed him as (a drop of) sperm (*nutfah*) in a place of rest, firmly fixed; then We made the sperm into a clot of congealed blood (*alaqa*); then out of that clot We made a (fetus) lump (*mudghah*), then We made out of that lump, bones and clothed the bones with flesh; then We developed out of it another creature." Surah 75:38 also says man becomes an *alaqa* and 96:2 says we came from *alaq*.**

**Dr. Keith Moore however goes further and incredibly claims in a later edition of his textbook that the Qur'an "states that the resulting organism settles in the womb like a seed, 6 days after its beginning". This really would be amazing if it was true. However, the Qur'an says absolutely nothing of the sort.**

**Can anybody quote the Qur'anic verses stating what Dr. Keith Moore is claiming?!**

**7- A lot hinges on the translation of the word "Alaqa". To find out we simply need to investigate how the Arabic speaking commentators on the Qur'an described the word and how it is described in the dictionary.**
**Many different suggestions have been made to describe the precise meaning of the word.**

**Clot: (Pickthall, Maulana Muhammed Ali, Muhammed Zafrulla Khan Hamidullah), small lump of blood (Kasimirski). leech-like clot: (Yusuf Ali).**

**To establish a definition for *alaqa* we might take a look at the Qamus al-Muheet, one of the most important Arabic dictionaries ever compiled, by Muhammed Ibn-Yaqub al-Firuzabadi (AD 1329-1415). He says that *alaqa* has the same meaning as a clot of blood.**

**Other sources of information are the early Muslim commentators. Ibn Kathir wrote that when the drop of water (*nutfah*) settled in the womb it stayed there for forty days and then became a red clot (*alaqa*), staying there for another forty days before turning to *mudghah*, a piece of flesh without shape or form. Finally, it began to take on a shape and form. Both Al-Razi and Al-Suyuti claimed that the dust referred both to Adam's creation and to the man's discharge; *nutfah* referred to the water from the male and *alaqa* was a solidified piece of blood clot.**
**Aristotle believed that humans originated from the action of male semen upon female menstrual blood, which leaves us with something of a dilemma. If we translate *alaqa* as "clot" it means that the Qur'an is completely wrong about human development, since there is absolutely no stage of development during which the embryo consists of a clot. The only situation in which an embryo might appear like a clot is during a miscarriage, in which case the clotted blood which is seen to emerge (much of which comes from the mother, incidentally) is solidified, and by definition no longer alive. So, if ever an**

**embryo appeared to look like a clot, it would never develop any further into a human; it would be a dead mass of bloody miscarrying flesh.**

**How could this be a scientific miracle?!**

**8- Dr. Keith Moore avoids this problem by translating *alaqa* as a leech, since he is well aware that there is no stage in development when the embryo is a clot. This is only to justify his interpretation that an embryo of 24-25 days is a clinging leech-like *alaqa* and one at 26-27 days is a *mudghah* with teeth-marks. A further problem with this view is that if the *alaqa* is translated "leech" because it appears to be clinging to the uterus wall, does this mean that the placenta only clings to the uterus wall for few days?! Obviously, it remains attached for the entire nine months of gestation. So, it is very clear that the word "alaqa" means a blood clot and it has nothing to do with "link" or "gene code" or "something that clings" or "umbilical cord".**

**If this blood clot is very observable by any woman that had a miscarriage, why should recognizing it as such be considered a scientific miracle?!**

**9-In Surah Al-Qiyama (the Resurrection) 75:37 the word "alaqa" was translated:**

**un grumeau de sang (a small lump of blood) - Kasimiraki 1948 .**

**a leech-like clot -Yusuf Ali 1938.**

**a clot –Maulana Muhammad Ali 1951.**

**un caillot de sang (clot of blood) – Masson 1967.**

**a clot – Muhammad Zafrulla Khan 1971.**

**de cailot de sang (clot of blood) – Hamidullah 1961.**

**In spite of the high qualifications of the six translators mentioned above, Dr. Maurice Bucaille (who was appointed a family physician for king Faisal of Saudi Arabia in 1973) had sharp words for them in the book that he wrote 3 years after his appointment "The Bible, The Qur'an And Science". He wrote:**

**"What is more likely to mislead the inquiring reader is, once again, the problem of vocabulary. In fact, there are still many translations and commentaries in circulation today that can give a completely false idea of the Qur'anic revelation on this subject to the scientist who reads them. The majority of translations describe, for example, man's formation from a "blood clot" or an "adhesion". A statement of this kind is totally unacceptable to scientists specializing in the field …This observation implies how great the importance of an association between linguistic and scientific knowledge is when it comes to grasping the meaning of Qur'anic statements on reproduction".**

**The non-Arabic speaking Dr. Bucaille is basically telling us not to trust the specialists in the field of translation and have the medical scientists do the translation for them.**

**Is this even logically correct, let alone scientifically?!**

**10- Moving onto the next stage of development, the famous interpreter of the Qur'an Al-Razi described the *mudghah* as being a little piece of meat the size of what a man can chew. The idea that *mudghah* means chewed flesh is a later, and less accurate translation of the word, but the idea has persisted because it is claimed that the somites from which the backbone and other trunk structures develop bear a passing resemblance to teeth marks implanted in plasticine. It must be said that not only is this an imaginative interpretation but besides, it does not support Dr. Keith Moore's claim that the *mudghah* should**

**occur at 26-27 days since at that point the embryo is a mere 4 mm long. One would have to wait around 8 weeks before the embryo becomes the size of a chewed flesh (if a mouthful is defined as being 20-30 mm wide), which is what *mudghah* really means. And in the following Hadith, transmitted by both Bukhari and Muslim, the prophet of Islam claimed that the mudghah stage occurs between days 80 and 120. Yet by this time the fetus is considerably larger than a lump of flesh the size of which a man can chew, and looks very human-like and totally unlike meat.**

**`Abdullah b. Mas'ud reported that Allah's Messenger ... said: "Verily your creation is on this wise. The constituents of one of you are collected for forty days in his mother's womb in the form of blood [sperm?], after which it becomes a clot of blood in another period of forty days. Then it becomes a lump of flesh and forty days later Allah sends his angel to it ...".**

**Thus, according to the prophet of Islam, the drop of sperm remains in the womb for 40 days, then becomes a clot for a further 40 days, then a lump of flesh for 40 days. It has been shown that human sperm can only survive inside a woman's reproductive tract for a maximum of 7 days; at 80 days the embryo has very definitely acquired the shape of a human being and looks nothing like either a clot or a mouthful of flesh.**

**Again, is this a scientific miracle or a scientific problem?!**

**11- The final stage of human development which the Qur'an describes is the creation of bones, and the clothing of bones with flesh. However, according to modern embryologists including Prof. Moore, the tissue from which bone originates, known as mesoderm, is the same tissue as that from which muscle ("flesh") develops. Thus, bone and muscles begin to develop simultaneously, rather than sequentially. Whereas however most of the muscle tissue that we have is laid down before birth, bones continue to develop and calcify (strengthen**

**with calcium) right into one's teenage years. So far from bones being clothed with flesh, it would be more accurate if the Qur'an had said that muscles started to develop at the same time as bones, but completed their development earlier. The idea that bones are clothed with flesh is not only scientifically completely wrong, but is directly copied from the ancient Greek doctor Galen.**

**Is borrowing a wrong idea from a Greek doctor really a scientific miracle?!**

**12-Dr. Keith Moore suggests that the appearance of an embryo of 24 days' gestation resembles a leech. This is rather debatable. In lateral view the developing umbilicus (genetically part of the embryo) is almost as big as the "leech-shaped" part into which a human is formed and the developing placenta (which also consists of tissue that is genetically from the embryo) is much larger than the embryo. It is claimed that the ancient sages would not have been able to see an embryo about 3mm long and describe it as leech-like, but Aristotle correctly described the function of the umbilical cord, by which the embryo "clings" to the uterus wall in the fourth century BC.**

**If a scientific view that predates the Qur'an by 1000 years is superior to the Qur'anic claim, how can the Qur'an be considered a scientific miracle?!**

**13- Dr. Bachir Torki is a Muslim scientist who claims that *alaq* in Surah 96:2 means links, referring to the gene code of DNA. This makes a nonsense out of other verses where the word is used, such as 22:5 ("we made you from a drop of sperm, then from that a gene code, then from that a little lump of flesh....").**
**How far are some Muslim scientists willing to go in defying logic in order to support the so called "scientific miracles of the Qur'an"?!**

**14-There are other problems with Moore's interpretation too. Not least is the claim that the dates of the "alaqa" and "mudghah" were 40-80 days and 80-120 days of gestation respectively, rather than 24-25 days and 26-27 days. It also begs the question as to why, if the Qur'an really is giving us a highly precise scientific account of human development, it only mentions four stages, *nutfah, alaqa, mudghah*, plus the clothing of bones with flesh. Between fertilization and day 28 for example, Moore lists no fewer than 13 stages in his textbook. Why does the Qur'an say nothing about any of these other stages? The reality is that the more ambiguous the meaning of the Arabic terms, and the more meanings that can be attached to certain words, the less convincingly can they said to be highly precise scientific terms.**

**However, the most convincing explanation, (and the most worrying for those who maintain that the Qur'an is God's eternal Word, untampered with and free from any human interference), is that the Qur'an is merely repeating the teaching of the enormously influential Greek physician Galen. If this is the case, not only is the Qur'an wrong, but it also plagiaries ancient Greek literature!**
**How could it then be scientifically miraculous?!**

**15- It has been said that the idea of the embryo developing through stages is a modern one, and that the Qur'an is anticipating modern embryology by depicting differing stages. However, many ancient writers besides Galen taught that humans developed in different stages. For example, in the Jewish Talmud we learn that the embryo has six stages of development. Samuel ha-Yehudi was a 2nd century Jewish physician, and one of many with an interest in embryology. The embryo was called *peri habbetten* (fruit of the body) and develops as**

i. ***golem*** **(formless, rolled-up thing);**

ii. ***shefir meruqqam*** **(embroidered fetus - *shefir* means amniotic sac);**
iii. ***'ubbar*** **(something carried);**
iv. ***v'alad*** **(child);**
v. ***v'alad shel qayama*** **(noble or viable child) and *ben she-kallu chadashav* (child whose months have been completed).**

**So, the idea of embryo developing is not really a modern discovery as some of our Muslim friends would like us to believe and it certainly is not as described in the Qur'an.**

**Why then unsubstantiated claim about embryo development?!**

**16- In 1981, during the Seventh Medical Conference in Dammam, Saudi Arabia, Professor Moore said: "It has been a great pleasure for me to help clarify statements in the Qur'an about human development. It is clear to me that these statements must have come to Mohammad from God, because almost all of this knowledge was not discovered until many centuries later. This proves to me that Muhammad must have been a messenger of God ". Consequently, professor Moore was asked the following question: "Does this mean that you believe that the Qur'an is the word of God? He replied: "I find no difficulty in accepting this ".**
**The natural move after the above two statements should have been the uttering of the shahadah by Keith Moore and announcing that he has embraced Islam.The very legitimate question here is this:**

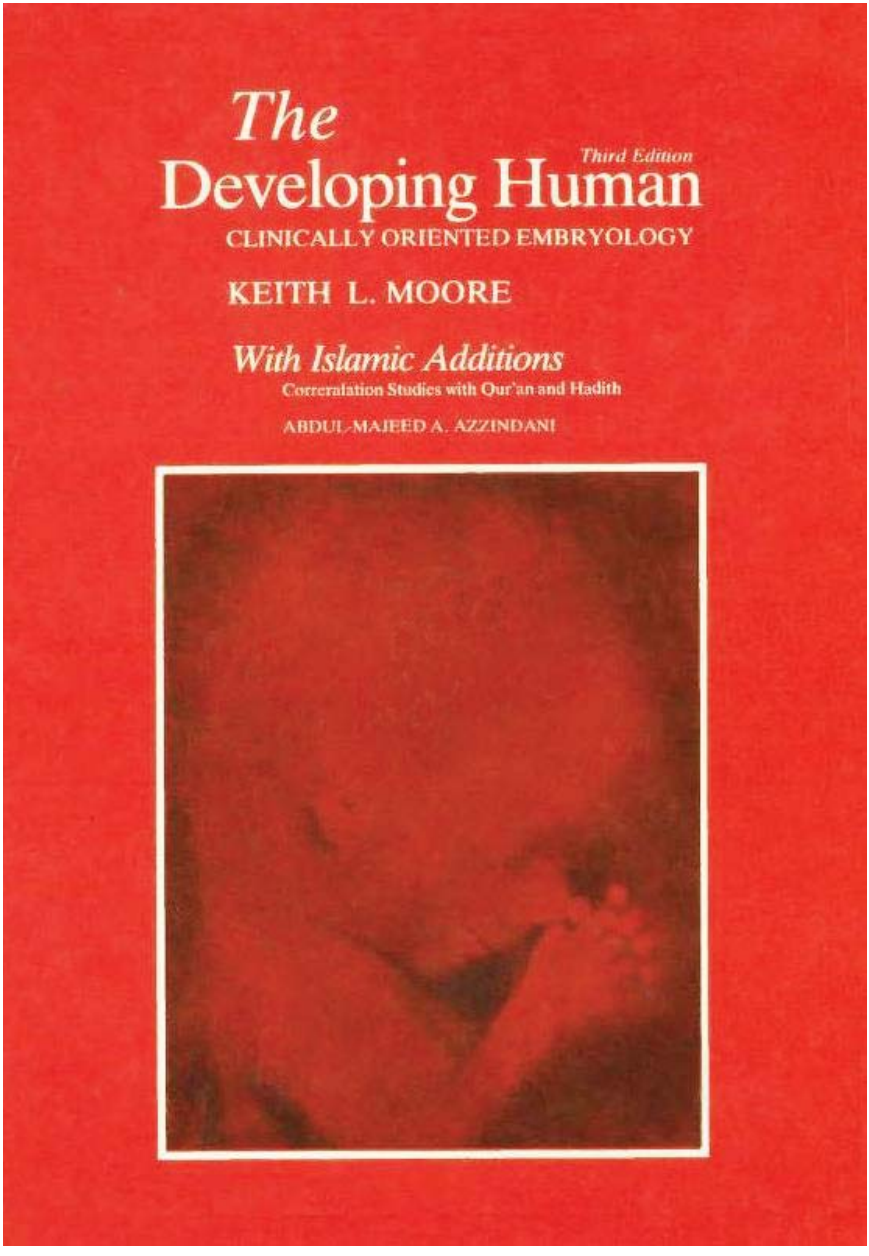
**why then didn't Keith Moore embrace Islam?**

**17 - It seems that not even Prof. Moore is sufficiently convinced by the scientific "facts" in the Qur'an to risk his reputation as a highly respected professor of anatomy in the medical establishment. The Islamic edition of his textbook is not available even in the British Library or the US Library of**

**Congress, let alone other medical libraries in Western countries. Presumably it is because he is aware that not only do the Islamic contributions in it contradict known science, but they also contradict what he has written in the standard version of his textbook. And ironically in the bibliography for the first chapter, "A history of embryology", in both the standard and Islamic versions he refers to Needham's important work on the history of embryology. Needham, however, is unimpressed with the Arabic claims of embryology and after writing almost 60 pages about ancient Greek, Indian and Egyptian embryology, he dismisses the entire Arabic tradition in less than one page, concluding that "Arabic science, so justly famed for its successes in certain fields such as optics and astronomy, was not of great help to embryology". After listing some of the verses in the Qur'an about embryology, he dismisses them as merely "a seventh-century echo of Aristotle and the Ayer-Veda", in other words a mixture of Greek and ancient Indian teachings.**

**In the most recent (1998) edition of *The Developing Human*, Moore also directs his readers to a book which contains another essay by Basim Musallam (Director of the Centre of Middle Eastern Studies at the University of Cambridge), which again points out how similar the Qur'anic science of embryology was to that of Galen, and how this close association was never questioned by ancient Muslim scholars. In conclusion then, there is not a single statement contained in the Qur'an relating to modern embryology that was not well known through direct observation by the ancient Greek and Indian physicians many centuries before the Qur'an was written.**

**How then, could the Qur'an be considered scientifically miraculous?!**


The
Developing Human
Third Edition
CLINICALLY ORIENTED EMBRYOLOGY
KEITH L. MOORE
With Islamic Additions
Correralation Studies with Qur'an and Hadith
ABDUL-MAJEED A. AZZINDANI

**18-If the reader is in any doubt about the clear link between the Galenic and the Qur'anic stages of embryo development, it may be pointed out that it was early Muslim doctors, including Ibn-Qayyim, who first spotted the similarity. Basim Musallam, Director of the Centre of Middle Eastern Studies at the University of Cambridge concludes: "The stages of development which the Qur'an and Hadith established for believers agreed perfectly with Galen's scientific account. There is no doubt that medieval thought appreciated this agreement between the Qur'an and Galen, for Arabic science employed the same Qur'anic terms to describe the Galenic stages".**

**If Muslim doctors, past and present, are confessing the borrowing from Galen, why then the claim that the Qur'an is scientifically miraculous?!**

**19- Both Galen and -of course- the Qur'anic text that plagiarizes him are *wrong* regarding the first stage of the embryo. As every semi-literate person knows today, the first stage of the embryo is not the "form of the sperm" (or the "drop of seed" in Qur'anic parlance), but the woman's *fertilized ovum*.**

**Why do neither the Qur'an, nor of course its source, Galen, mention at all the woman's ovum, which is *just as important* as the single sperm cell that fertilizes it? Could it be because microscopes were developed only in the 17th century?**

**20 – The Qur'an says in Sura Sajda 32:8 'We have created the human beings from 'Sulalah'.**

**Some claim that the verse means "the best part of a whole"; The one sperm which fertilizes the ovum out of the millions of sperm.**

**Well, here are various translations of this verse:**

| | |
|---|---|
| Pickthall | Then He made his seed from a draught of despised fluid; |
| Yusuf Ali | And made his progeny from a quintessence of the nature of a fluid despised: |
| Hilali-Khan | Then He made his offspring from semen of worthless water |
| Shakir | Then He made his progeny of an extract, of water held in light estimation. |
| Sher Ali | Then HE made his progeny from an extract of an insignificant fluid; |
| Khalifa | Then He continued his reproduction through a certainlowly liquid. |
| Arberry | then He fashioned his progeny of an extraction of mean water, |
| Palmer | then He made his stock from an extract of despicable water; |
| Rodwell | Then ordained his progeny from germs of life, from sorry water: |
| Sale | and afterwards made his posterity of an extract of despicable water; |
| | |

**Far from calling *nutfa* or semen "the best part of a whole", the Qur'an is saying that it is a despised fluid, '*ma-in maheenin*'.**

**Do any of the above translations mention anything about one sperm out of millions or best part of whole?!**

**21- It is claimed that the *Qur'an* says in Sura Insan, 76:2 'We have created the human beings from '*nutfatun amshaj*'…a minute quantity of mingled fluid' - referring to the sperm as well as the ovum.**

***Amshaj* means thickened or mingled. The prophet of Islam saw that semen was a thick liquid. *Nutfa* means semen - precisely the liquid that contains the sperm. It does not mean the zygote or the embryo.**

**In fact, and as mentioned before, the term "sperm" itself does not even exist in the entire Arabic text of the Qur'an. The accurate translation for the word منى is "semen". It is misleading to use the term. Just for the sake of discussion, we will go along with the translation since our focus here is on the term "nutfatun amshaj".**

**23:13 Then We placed him as (a drop of) sperm '*nutfa*' in a place of rest, firmly fixed.**

**23:14 Then We made the sperm '*nutfa*' into a clot of congealed blood;**

**Mother, in qur'anic embryology is only an incubator. She does not contribute genetically to the formation of the embryo. There is no allusion to 'two sexes' or the female egg in any of the verses speaking of embryo. Here is how other translators of the Qur"an have translated *nutfatin amshajin:***

**Pickthall: drop of thickened fluid. Yusuf Ali: drop of mingled sperm.**

**Shakir: small life-germ uniting (itself) . Sher Ali: mingled sperm-drop.**

**Arberry: a sperm-drop, a mingling. Palmer: a mingled clot.**

**Rodwell and a couple of other translators translated it as: "the union of the sexes". But this is a clear mistranslation.**

**The question remains: Why doesn't the Qur'an refer to the fertilized ovum at all?!**

## 22- THE SEQUENCE IN THE DEVELOPMENT OF HUMAN ORGANS

**The following verses are used to substantiate the claim:**

**It is He Who has created hearing, sight and minds for you. What little thanks you show! (Surah 23:78)**

**Allah brought you out of your mothers' wombs knowing nothing at all, and gave you hearing, sight and minds so that perhaps you would show thanks. (Surah 16:78).**

**Say: "What do you think? If Allah took away your hearing and your sight and sealed up your hearts, what god is there, other than Allah, who could give them back to you? (Qur'an 6:46).**

**We created man from a mingled drop to test him, and We made him hearing and seeing. (Surah 76:2).**

**There are many problems with the above verses:**

**First, the word translated "mind" أفئدة it really means "hearts" in Arabic which is the language of the Qur'an.**

**Secondly, according to the facts of embryology, the first organ to form and function in the fetus is the heart rather than the ear or the eye.**

**Thirdly, there are various verses in the Qur'an that refer to ears, eyes, and hearts by either disregarding the notion of order or turning the sequential pattern upside down, like: Surah 45:23, Surah 18:57, Surah 2:7 and Surah 17:46.**

**Fourthly, the Qur'an always only lists the three senses or organs without ever connecting them with a word that indicates temporal sequence, like "thumma" (then). If temporal sequence had been intended, it would have been very easy for the author of the Qur'an to insert a "thumma" to make this clear.**

**Fifthly, Surah 16:78 which is presented as the hard evidence for Qur'an's knowledge of the order of the formation of some organs backfires because it implies that the ears, eyes, and the heart were somehow created after one's birth as separate entities.**

**Sixthly , Surah 32:7-9 talk of the creation of the three organs after the completion of the creation, which is apparent due to the repeated use of the word "thumma" for the expression of a chronological order.**

**If anything, the cited verses prove unawareness of the order of the development of certain organs. Isn't it?**

**23- QURAN DESCRIBES GENDER DETERMINATION BY SPERM**

**<u>The supporting verse</u>; "He has created both sexes, male and female from a drop of a sperm which has been ejected." ( Surah 53:45-46).**

**The Arabic word nutfah means a minute quantity of liquid and tumnâ means ejaculated or planted. Therefore, "nutfah" specifically refers to semen because it is ejaculated. The**

**Qur'an says: "Was he not a drop of semen emitted (In lowly form)? "then, did he become a clinging clot; then did (Allah) make and fashion (him) In due proportion. "and of him He made two sexes, male and female." [Qur'an 75:37-39]**

**Analysis:**

**The obvious and sad fact is that the quoted verses do not talk about sex determination but rather about creation of males and females.**

**In fact, none of the English translations of Surah 53:45-46 even hints at anything remotely related to sex determination:**

**Pickthall: And that He createth the two spouses, the male and the female, From a drop (of seed) when it is poured forth;**

**Yusuf Ali: That He did create in pairs, - male and female, from a seed when lodged (in its place);**

**Shakir: And that He created pairs, the male and the female From the small seed when it is adapted**

**The same applies to the English translations by Sher Ali, Khalifa, Palmer, Sale and Rodwell.**

**Is light of this obvious fact, how can anybody infer that the Qur'an is confirming that the male sperms are responsible for gender determination ?!**

## 24 - QURAN AND SEMEN PRODUCTION

**Several Islamists promulgate the Quranic Pseudoscience of Semen Production from between the sulb and the tara'ib acc. to Surah 86:5-7. "So let man consider from what he is created.**

**He is created from a gushing fluid That issued from between the loins and ribs". Surah 86 :5-7 ( Pickthall translation) .**

**Here are six explanations (5 of them made by Islamists) for this verse:**

1. **Drs Maurice Bucaille, and A.K. Giraud – sulb and tara'ib refer to the sexual areas of the man and woman.**
2. **Ahmed A. Abd-Allah - sulb and tara'ib mean man's "hardening" (i.e. penis) and a woman's erogenous zones (not including the vagina).**
3. **Dr Zakir Naik – sulb and tara'ib refer to the backbone and ribs of both sexes, however the verses refer only to the gonads in the embryonic stage, and not to adults in the act of sexual reproduction.**
4. **Dr Jamal Badawi – the verses refer not to semen production but to the blood of the aorta as the 'gushing fluid poured forth.**
5. **Ibn Kathir – sulb refers to the man's backbone, and tara'ib refers to the woman's chest.**
6. **Muhammad Asad – sulb refers to the man's loins and tara'ib refers to the woman's pelvic arch.**

**Here is an analysis of those six different views:**

**1- There is no evidence that tara'ib can mean the vagina. The famous Ibn Kathir defines "tara'ib" as the woman's ribs.**

**2-Dr. Naik cannot be right since it seems disingenuous to interpret a 'drop emitted, proceeding from between the backbone and the ribs' to mean the embryonic development of the testes, as the 'drop emitted' suggests a fully developed and functional testes, rather than an embryonic structure. Embryonic testes do not emit, ejaculate, gush forth, pour forth,**

**spurt or ejaculate any substance.**
**3- Dr Jamal Badawi must assume that "gushing fluid poured forth" refers to the aorta which according to a book cited by him, “Clinical Anatomy”, supplies the testes and ovaries with the necessary nutrients and this is what the Quran refers to. This is not different from Dr. Naik’s position.**

**4- Ibn Kathir’s interpretation doesn’t jibe with modern medical science which suggests that semen does not emanate from a man’s backbone, nor do a woman’s sexual secretions emanate from her ribs.**

**5- Even if we accept Muhammad Asad’s definition of sulb as the male loins, it is a stretch of the imagination to accept that sexual reproduction is the consequence of a union between the male loins and the female pelvic arch.**

**In conclusion, the various Islamists attempts to show that the Quran correctly describes semen production are conflicting with one another and none of them is supported by modern scientific knowledge.**

**Is this a scientific miracle or a scientific chaos?**

# 2- QUR”AN AND GEOLOGY

## 25- MOUNTAINS

**The Qur'an has more than a number of verses stating that Allah placed firm and immovable mountains on the earth to keep it from shaking:**

**"He has created the heavens without supports that you can see, and has cast (alqa) onto the earth firm mountains (rawasiya) lest it should shake with you (tamida bikum ) ..."**

**Surah Luqman 31:10-11 .**

**And We have set on the earth firm mountains (rawasiya ), lest it should shake with them (tamida bihim)."Al-Anbiya'a 21:31.**

**"And He has cast onto the earth firm mountains (rawasiya) lest it should shake with you .. (tamida bikum)".Al-nahl 16:15 .**

**Hans Wehr's "Dictionary of Modern Written Arabic" gives the meaning of the verbal phrase "mada bi" as: to shake something violently."Mada bi" is the very form used in these verses.**

**So Allah has thrown down and placed the mountains so that the earth will not shake violently with them.**

**In the next two verses another picture is given.**

**"Have We not made the earth an expanse, and the mountains as stakes." (al-jibala autadan) . Al-Naba') 78:6-7.**

**"Do they (the unbelievers) not look ... at the mountains (al-jibal), how they have been pitched (like a tent)". (Al-Gha-shiya) 88:17,19.**

**Here men are told that the mountains are placed as tent pegs. Tent pegs keep the tent stable so again the idea is put forward that the pegs, the mountains, will keep the earth from shaking.**

**A third picture is present in the word (rawasiya) used for mountains. Wehr translates this word as unshakable mountains. The Munjid says (al-jibal al-thawabat al-ruwasikh) firmly established, fixed mountains. The word comes from the root (arsa), the same root used for the Arabic word for anchor. To throw out or cast the anchor is (alqa almirsah). So instead of "cast the anchor to keep the ship from moving", we have "cast the mountains to keep the earth from shaking".**

**From these pictures it is clear that Muhammad's followers understood that the mountains were thrown down**

**(a) like tent pegs to keep a tent in place.**

**(b) like an anchor to hold a ship in place.**

**(c) to stop the earth from moving. i.e. limit earthquakes,**

**But, in fact, this is false. Earthquakes are common events associated with the forming of mountains.**

**Since these verses present a definite problem, after quoting several of the above verses about mountains Dr. Bucaille says:**

**"Modern geologists describe the folds in the Earth as giving foundations to the mountains, and their dimensions go roughly one mile to roughly 10 miles. The stability of the Earth's crust results from the phenomenon of these folds."**

**But is this true? Professor of Geology, Dr. David A. Young says :"While it is true that many mountain ranges are composed of folded rocks (and the folds may be of large scale) it is not true that the folds render the crust stable. The very existence of the folds is evidence of instability in the crust." In other words, Mountains don't keep the earth from shaking. Their formation caused and still causes the surface of the earth to shake.**

**How could this be a scientific miracle of the Qur'an?**

**<u>26- Earthquakes</u>**

**Geological theories at the present time propose that the hardened crust of the earth is made up of sections or plates which slowly move in relation to each other (about as fast as the growth of a fingernail). Sometimes the plates separate and**

**most geologists believe that this explains the separation of North and South America from Europe and Africa.**

**At other places on the earth the plates collide, and then they buckle, wrinkle and slide over each other. An example of this method of mountain formation is found in the Middle East where the migration of Arabia toward Iran has resulted in the Zagros range. The Atlas mountains in Morocco and the Alps are other examples of fold mountains caused by plates shifting.**

**Sometimes the plates get caught on each other and stop sliding. During this period great forces are built up. When the forces of friction are overcome, the piece of plate that was stuck lurches forward causing the shock wave of a "thrust quake". In a recent earthquake it was calculated that the Cocos plate in Mexico suddenly jumped forward three meters.**

**During other quakes whole sections of plate are pushed upward or downward. In 1923 there was an earthquake at Sagami Bay, Japan which laid half of Tokyo in ruins. In a chapter entitled "Mass Mortality in the Sea", Brongersma-Sanders describe the geological changes in these words:**

**"No other known earthquake has caused such remarkable distortions of the seabed. In the central portion of Sagami Bay 'the area of distortion is of vast extent, and the seabed has subsided as much as 460 feet (140 meters) at the northwest end, 590 ft (180 meters) near the center, and 656 and 690 feet (200 and 210 meters) at the southeast end. In the northeast portion, the greatest uplift measured is 820 feet (250 meters) and in the southwest portion 328 feet (100 meters).'**

**In light of the above, how then can mountains be considered pegs that stabilize the earth?**
**Is this really a scientific miracle of the Qur'an?!**

## 27- Volcanoes

**Another type of mountain is that formed by volcanoes. Lava and ash from inside the earth are thrown out and piled up until a high mountain is formed, even from the bottom of the sea. The Hawaiian group rises from an ocean depth of more than 1.5 km (1 mile) to the crater of Mauna Kea which is 4.2 km (2.6 miles) in the air.**

**On occasion the volcanoes explode, as happened in the south Pacific at Krakatoa in 1883, when the whole island was blown away, killing 36,000 people. At other times volcanoes are responsible for such severe earthquakes that surrounding towns are completely destroyed. The town of Catania, near Mt. Etna in Sicily, has been destroyed eight times during recorded history. This 3000 meter peak is still active, and in 1983 more than 200 quakes were recorded when it had a prolonged eruption and the lava almost destroyed several villages.**
**We can conclude from this information that Mountains were formed originally with movement and shaking of the earth's crust; and that now, in the present, many earthquakes are caused by their continued formation. When the plates buckle over each other there are earthquakes. When volcanoes erupt associated earthquakes may occur.**

**Throwing the mountains down onto the earth may be poetry, but to say that mountains keep the earth from shaking is a "severe difficulty" which is out of step with modern science.**

**How then can this be a scientific miracle of the Qur'an?**

## 28- Mountains move

**Muslims who speak from both sides of their mouth, claim that the fact that the movement of mountains at a speed of a few centimeters a year, has been foretold by the Qur'an in the Middle Meccan Surah of "The Ants "(Al-Naml) 27:88 which**

**reads, "And you will see the mountains which you believe solid, moving as the clouds move." ("Flying with the flight of clouds" - Pickthall)**

**But when we include the preceding verse as context it clearly has a different meaning. It then reads,**

**"And the day that the trumpet will be sounded and those in the heavens and the earth will jump with fright ... and all will come to Him humbled, and you will see the mountains which you believe solid, moving as the clouds move."**

**The trumpet sounding, with those in the heavens and the earth jumping with fright, show that these verses are speaking of the terrible cataclysmic events which will surround the day of judgement - events which include sending the mountains flying. That these events have anything to do with modern geological theories, however, seems very unlikely.**

**How then could this poetry be considered a scientific miracle?!**

**29- Earth Made Of Seven Layers**

**"Allah is He Who Created seven firmaments and of the earth a similar number. Through the midst of them (all) descends His command: that ye may know that Allah has power over all things, and that Allah comprehends all things in (His) knowledge. Quran, 65:12.**

**According to verse 65:12 above, Allah Almighty created 7 Heavens to form the universe. Our Muslim friends claim that the new scientific discovery had revealed to us that the earth that we currently live on today is also formed from seven layers. The very bottom layer contains most of the uranium and plutonium, and all the materials that we need to create nuclear weapons and energy. Verse 65:12 above does indeed say that the earth was created with seven layers.**

**The Seven "Earths" refer to the layers that literally make up the Earth crust, lithosphere, upper mantle, asthenosphere, lower mantle, core and inner core.**

**From the evidence above, one can see the Islamists' misrepresentation because they double-count the lithosphere/asthenosphere while they also count the crust and upper mantle. Note that this is dishonest because these are alternative classifications. One cannot honestly count all lithosphere, asthenosphere, crust, and upper mantle together as one would be recounting the same rock layers.**

**Recently new scientific hypotheses proposed by J. Marvin Herndon and Prof Xiaodong Song suggest the inner core may be further subdivided into four layers; the inner core, the innermost core, a sub-shell of fission material and decay products, and a subcore of uranium and plutonium forming the georeactor. If this new theory is accepted the number of layers of the earth rises to eight.**

**From that we conclude that the scientific evidence does not support the Islamists' claim that the Quranic verse 65:12 foretold the scientific accuracy of the 7 layers of the earth when modern geology states that there are only 4 or 5 layers, or up to eight if the new hypotheses of the sub core georeactor are accepted.**

**How could this be a scientific miracle?!**

## 30 - QURAN PREDICTED LAND DECREASING

**The following two verses are cited as evidence:**
**Don't they see that We gradually reduce the land from its outlying boundaries? Where Allah commands, there is none to put back His command (Qur'an 13:41).**

**Indeed, we gave the good things of this life to these men and their fathers until the period grew long for them; don't they see our ability in reducing the land from its outlying borders? Is it then they who will win? (Qur'an 21:44).**

**The presumption is that continental land is decreasing due to convergence of tectonic plates, leading to either subduction or continental collision. What our Muslim friends neglect to mention is that, according to the Theory of Plate Tectonics, convergence must equal divergence. This is particularly true if the size of the earth is constant (though some earth scientists believe an expanding earth hypothesis).**

**Secondly, the tectonic plate map shows that subduction is by far the more common convergence phenomenon (compared to continental collision). Subduction occurs only with oceanic lithosphere as only oceanic lithosphere is dense enough to be subducted. Therefore, in subduction the colliding continental crust is not significantly reduced, and may increase due to subduction-related volcanic activity.**

**In fact, partial melting of the subducting lithosphere leads to the production of andesite, which is the major building block of continental crust.**

**In other words, continental crust was produced by subduction activity.**

**Thirdly, while continental collision may reduce land surface due to elevation of the continental crust on impact, it is unclear whether this leads to overall reduction in land surface area if rift activity is taken into account.**

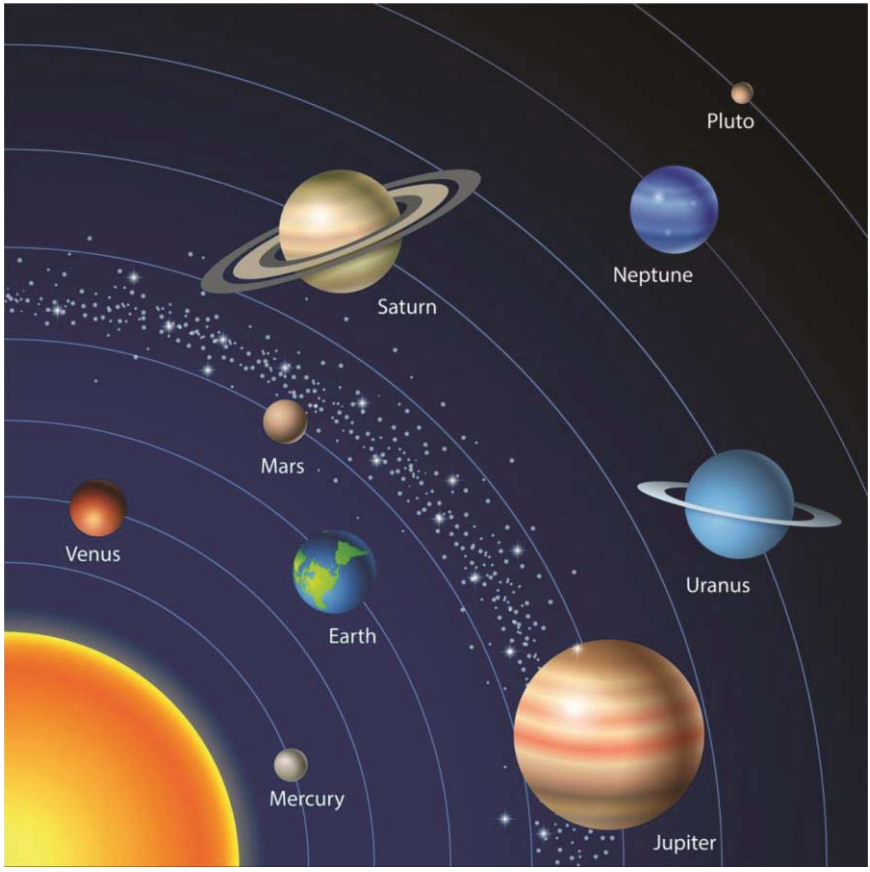
**Therefore, in theory, convergence of tectonic plates may not reduce land surface area. Further, our Muslim friends also**

**forget other geological processes including erosion, sedimentation, sea-level fluctuations due to climactic changes, and volcanism due to mantle plumes. These also affect the continental land area.**

**Fourthly, in the geological record, there are indications that the relative proportion of land and ocean, and the average depth of the world's oceans, have remained relatively constant for at least the last one billion years of the Earth's history.**

**In light of the above, does the claim represent a scientific miracle or a scientific problem?**

# 3- QUR'AN AND ASTRONOMY



## 31. SEVEN HEAVENS

**The Qur'an speaks in several verses of the "seven heavens". For example:**

**"He who created the seven heavens, one above the other..." 67: 3.**

**This is also repeated in 71:15-16 , 23:17 , 14:12 , 17:44 , and 2:29 .**

**Some of our Muslim friends claim that these verse show that they agree with modern astronomical knowledge.**
**Starting with the earth's atmosphere which averages about 40 kilometers in thickness as the first heaven, they then multiply this by 10,000 for the dimension of the second, or lunar heaven. Multiplying this by 10,000 gives the third, or solar heaven; and continuing to multiply by 10,000 each time, they propose "the heaven of the nearest stars", "the galactic heaven" (since it is about the size of our galaxy), "the heaven of the nearest galaxies", and finally "the cosmic heaven".**
**This scheme gives seven divisions, of course, but on analysis it is not convincing. Calling the earth's atmosphere the first heaven, and everything else the second, might have some validity; but everything else is arbitrary. Outside the earth's atmosphere, space is continuous and qualitatively similar.**

**All these divisions are basic assumptions without any scientific justifications. Not only that but also, they contradict other verses in the Qur'an.**

**"We have indeed adorned the lower heaven with the beauty of the stars (kawakib )" 37:6 .**
**And He completed them seven heavens in two days and inspired in each heaven its command; and We adorned the lower heaven with lamps (masabih), and rendered it guarded...", 41:12.**

**"He Who created the seven heavens, one above the other... And We have adorned the lowest heaven with lamps (masabih)...". 67: 3,5.**

**If the "lamps" are the shiny stars that we see at night and they are in the lowest heaven, wouldn't that contradict the notion that they are in the fifth heaven according to the basic assumptions made above?**

**How can a contradictory basic assumption be considered a scientific miracle?!**

## 32- The Expansion Of The Universe

**Some of our Muslim friends claim that verse 51:47 talks about the expanding universe..وَالسَّمَاء بَنَيْنَاهَا بِأَيْدٍ وَإِنَّا لَمُوسِعُونَ**

**That is obviously not so. The Qur'an is simply saying that the universe is vast and not that it is expanding.**

**See how this is translated:**
**YUSUF ALI: With power and skill did We construct the Firmament: for it is We Who create the vastness of space.**
**PICKTHAL: We have built the heaven with might, and We it is Who make the vast extent (thereof).**
**SHAKIR: And the heaven, We raised it high with power, and most surely We are the makers of things ample.**

**The fact that the universe is vast is prosaic and obvious. There is no mention of expanding universe in this verse. Any illiterate man could look around himself and see that the world is vast. Where is the trick then?**
**It is in the modern English translations after Hubble's discovery .**
**Late twentieth century translations of the same verse, after Hubble's discovery was established science, did some sleight**

**work of hands to give a scientific spin to the Quran :**
**Muhammad Asad:**
**"And it is We who have built the universe with [Our creative] power; and, verily, it is We who are steadily expanding it."**
**Arberry:**
**"And heaven -- We built it with might, and We extend it wide."**
**Shabbir Ahmed:**
**"And it is We Who have built the Universe, and behold, We are steadily expanding it."**
**Dr. Munir Munshey:**
**"With Our power and prowess, We brought into being the universe. And indeed, We expand it (steadily)!"**
**Progressive Muslims:**
**"And We constructed the universe using matter, and We will expand it."**
**Muhammad Asad:**
**"And it is We who have built the universe with [Our creative] power; and, verily, it is We who are steadily expanding it."**
**Arberry:**
**"And heaven -- We built it with might, and We extend it wide."**
**T. B. Irving:**
**"The sky We have built firmly and We are extending it."**
**The same applies to Sarwar , Khalifah , Hilali/Khan , Sahih International , Muhammad Ahmed & Samira ,Qaribullah, Ali Unal Bijan Moeinian, Hamid S. Aziz Muhammad Mahmoud Ghali , Muhammad Taqi Usmani , Tahir al-Qadri, Al-Muntakhab and others.**
**Can any Muslim explain this change in translation of the Arabic word "Musi'un" from vastness to expanding/widening only in modern day translations of the late twentieth century, after Hubbles discovery? It seems that modern English translators of the Quran are trying to fit in with established science.**

**What is interesting is that the word مدد (expand) is not stranger to the Qur'an . It is used in many surahs . We will quote here four of them as examples. So, if the expansion of the universe was meant in 51:47 the word مدد would have been used . And it is He who spread out the earth……وهو الذى مد الأرض 13:3.**

**And the earth we have spread out… والأرض مددنها 15:19**

**Hast thou not turned thy vision toothy Lord how He doth prolong the shadow … ألم تر الى ربك كيف مد الظل 25: 45**

**And the earth We have spread it out … والأرض مددنها 50: 7**

**In light of all the above, how can a deliberate mistranslation be considered a scientific miracle?!**

**<u>33- The Qur'an And Speed Of Light</u>**

**(Allah) Rules the cosmic affair from the heavens to the Earth. Then this affair travels to Him a distance in one day, at a measure of one thousand years of what you count. Qur'an 32: 5. It is interpreted as follows:**
**Allah is saying that angels travel in one day the same distance that the moon travels in 12000 lunar orbits.**
**First, no matter how many times you read this verse, you will not be able to find *any* mention of the Moon or the distance it has traveled. Secondly, Allah must, therefore, be located at the distance that light (or angels) can travel in one day. This is approximately 25.9 billion kilometers or 173.1 astronomical units (1 a.u. is approximately the mean distance between the Earth and the Sun).**

**For comparison, Pluto orbits the Sun at an average distance of 39.5 a.u. So Allah is approximately 4.38 times further away than Pluto.**

**Does this make any sense to you?!**

**Thirdly, the interpretation is not based on the solar year but rather on the use of the *siderial lunear month* (the time taken for the Moon to return to the same position with respect to the stars), which is 27.3 days long.**

**The 7th centuary Arabs, however, measured the lunar month from new Moon to new Moon. On average, this will give a month of 29.53 days which is the *synodic lunar month* (the time taken for the Moon to return to the same position with respect to the Sun).**

**This lunar month is still used today in the Hijra calendar, which the Muslims use to calculate the dates for Ramadan, Hajj and other Islamic festivals.**

**So "one thousand years of what you count" should be 12,000 months of 29.53 days. This however, would make angels fly at a speed approximately 8.1% faster than the speed of light.**

**The use of the sierial lunar month in the calculation is completely arbitrary and unjustified and the claim that the speed of light can be deduced from the Qur'an is problematic.**

**In addition, a close interpretation of the verse reveals the following:**

**1. Wrong Calculation**

**There is a difference of 3,081,210,527 km (28,983,278,898 - 25,902,068,371) between the distance traveled by the Moon in 1000 lunar years and the distance traveled by light in one day.**

**2. Wrong Translation**

**Which part of this verse talks about light or its speed?**
**All the Qur'an is saying in this verse is that a day of Allah is 1000 years long. This is his way of saying Allah is big, everything about him is big, and even his days are big. The Qur'an repeated the same thing in verse 22.47 .**
**"Verily a day in the sight of thy Lord is like a thousand years of your reckoning."**
**There is no mention of affairs going up and down, light, magnetic waves, particles and neutrinos in this verse.**

**3. Wrong Interpretation**

**The verse talks about the "affairs of Allah" being sent to Earth and then ascending to Him in one day, the length of which is 1000 years. How on Earth can anyone claim that "affairs" means light?**

**In light of all the above , how can the claim be truthful?!**

**<u>34- The big bang</u>**

**YUSUF ALI: Do not the Unbelievers see that the heavens and the earth were joined together (as one unit of creation), before we clove them asunder? We made from water every living thing. Will they not then believe?**
**And We have set on the earth mountains standing firm, lest it should shake with them, and We have made therein broad highways (between mountains) for them to pass through: that they may receive Guidance.**
**And We have made the heavens as a canopy well-guarded: yet do they turn away from the Signs which these things (point to)!**
**Surah Al-Anbiya 21.30 -33**
**Some Muslims claim that this is a description of the scientific fact that "when it was created, the universe occupied a very tiny volume." In fact, there is no description at all in these**

**verses that could be interpreted at referring to volume in any sense.**

**But more importantly, they claim that the "unstitching" of heaven and earth described here is a reference to the "Big Bang," or the primordial creation of the universe. If this were the case, then the "earth" mentioned here can not refer to the planet Earth, as its creation was still billions of years in the future from the event the claim is described. Faced with this fact, our Muslim friends claim that "earth" here means "matter," and not the planet Earth itself.**
**But, the very next verse proves that this cannot be true. For in that very next verse, Allah is setting on that same "earth" mountains and highways. How could this be if the "earth" in these verses meant anything OTHER than the planet Earth? When you further consider that the next verse after that concerns the "heaven" as a "canopy" or "roof" to that same planet earth, then the idea that this verse is a description of the "big bang" becomes completely impossible.**

**These verses are exactly what they appear to be; a description of Allah's creation of the planet Earth and the heavens above it, NOT a description of the creation of the universe as understood by modern science.**

**So, if an idea is proven to be unscientific, how could it be a scientific miracle?!**

## 35- THE SHOOTING STARS - METEORS AND METEORITES

**In surah "The Ranks", (Al-Saffat) 37:6-10, Early Meccan, we read: We have indeed adorned the lower heaven with the beauty of the stars and for guard against every defiant devil, so they cannot hear the highest assembly but be cast away from every side - repulsed for theirs is a perpetual torment - except he who snatches something by stealth, and a piercing flame**

**(shihabun thaqibun) pursues him."**
**In surah "The Spirits "(Al-Jinn, can be good or evil) 72:8-9, Late Meccan, we read: A Jinn is speaking and says, And we pried into heaven and we found it full of strong guards and meteors (shuhuban), and we used to sit near it, perched for hearing; but he who listens now will find a flaming fire (shihab) in wait for him."**

**In surah "The Dominion"(Al-Mulk) 67:5, Middle Meccan, we read:**

**And We have adorned the lowest heaven with lamps (masabih), and We have made them missiles (or stoning - rujuman ) for the devils and for them we have prepared the punishment of fire."**

**In surah "The Rocky Tract"(Al-Hijr) 15:16-18, Late Meccan, we read:**

**"It is We who have set out the zodiac in the heaven and adorned it for the beholders, and We have guarded it from every cursed devil (stoned Satan), except he who steals a hearing and a clear flaming fire (shihab) pursues him."**

**Scientifically, what are popularly known as "shooting stars", include two main classes of astronomical objects - meteors and meteorites.**

**a. Meteors, are far more common and are rarely larger than a pin head. When they enter the atmosphere at speeds of about 18.6 miles or 30 km/second, they become white hot from the friction and are burned up.**

**In addition to sporadic meteors, there are also meteor showers during which many meteors may be observed at the same moment. It is widely accepted, though not proven, that meteor showers represent the debris of old comets. When the earth**

**passes though this debris the resulting meteors follow parallel paths, even though visually they appear to be spreading out from a common point just over the horizon. In their notes, or by their translations, Yusuf Ali, Pickthall, and Hamidullah have all indicated that the Arabic words used in the above verses refer to meteors.**

**b. Meteorites are solid lumps of matter which can survive passage through the earth's atmosphere and reach the ground. While passing through the atmosphere the outer layer melts and streams away so that they are seen as a spectacularly bright fire ball of light called a bolide. Perhaps this is what the Qur'an is referring to as the "night-visitant - the piercing star" in Sura 86 quoted above.**

**The difficulty here is obviously not with the science and composition of meteors and meteorites. The difficulty is understanding what the Qur'an is talking about. The word "rajm", usually translated as "cursed" in modern translations, comes from the verb meaning "to stone", and Hamidullah translates 67:5 which is quoted above with the words, "and We have designed them (the lamps) as a means of stoning the devils."**

**What shall we understand when it says that Allah throws meteors, whether made of carbon dioxide or iron-nickel, at non-material devils who steal a hearing at the heavenly council?!**

**36- Qur'an and a Universe from Smoke**

**According to modern cosmology, in the initial expansion of the early universe, all that existed was a dense, hot, mass of energy. As the Universe rapidly increased in size, light chemicals like hydrogen and helium began to form. For the first 380,000 years, the intense heat made it too hot for light to shine. Atoms would bump into each other with enough force to break up**

**into dense, opaque plasma of protons, neutrons and electrons; this dense mass prevented any photons from escaping. After this phase, the universe expanded and cooled enough for electrons to combine with protons to form the first real elements. At this point, photons could move freely, and the first light could be seen.**

**This smooth, nearly featureless plasma of hydrogen and helium continued to cool and expand until small imperfections formed. Then gravity drew the particles together to form the earliest stars. This evolution of the universe continued to increase the contrast of the matter distribution to create the intricate collection of galaxies, stars, and nebulae observed in the night sky today.**

**In the hot and dense cores of stars, heavier elements such as carbon, oxygen, nitrogen and iron formed. When these stars would novae (explode) they would scatter these heavier elements as debris across vast stretches of inter-stellar space. Eventually, gravity from other stars would pull this debris together to form planets like the ones in the solar system today.**

**According to our Muslim apologists at one time the whole universe was nothing but a cloud of 'smoke' (i.e. an opaque highly dense and hot gaseous composition). That is based on (Quran 41:11) which states "then He turned to the heaven when it was smoke...".**

**Since the entire argument rests on the Qur'anic description of the "heavens" as "smoke", it is claimed this word is the best possible way to describe the early Universe. The Arabic word for "smoke" in the above verse is "*dukhanun*," which describes the hot, cosmic smoke in question.**

**Obviously this claim is based on a logical fallacy; a false equivalence between "smoke" and their definition of the early**

**universe: "an opaque highly dense and hot gaseous composition" or just "hot gas".**

**The actual definition of smoke is presented below:**

**smoke *noun* \ˈsmōk\ : the cloud of black, gray, or white gases and dust that is produced by burning something.**

**The gaseous products of burning materials especially of organic origin made visible by the presence of small particles of carbon.**

**There are no similarities between the early universe and smoke. There was no burning of material, especially of organic compounds in the early universe. Organic molecules would not exist for another 10 billion years. Even carbon did not exist at this stage and it would not exist for millions of years until it was first fused in the center of giant stars. The early universe was extremely dense, and smoke is not dense at all; in fact, smoke is completely vaporous.**

**So, if a single inaccurate word "Dukhan" is used to describe the complex beginning of the universe and some Muslim apologists call this problem a scientific miracle, should we really believe their claim?**

### 37- Formation of stars and Milky Way

**It is claimed that the Qur'an talks about the formation of stars and the Milky Way. Here are the verses that the claim is based on.**

**9. Say (O Muhammad, unto the idolaters): Disbelieve ye verily in Him Who created the earth in two Days, and ascribe ye unto Him rivals? He (and no one else) is the Lord of the Worlds.**
**10. He placed therein firm hills rising above it and blessed it and measured therein its sustenance in four Days, alike for (all) who ask;**

**11. Then turned He to the heaven when it was smoke and said unto it and unto the earth: Come both of you, willingly or loth. They said: We come, obedient.**
**12. Then He ordained them seven heavens in two Days and inspired in each heaven its mandate; and We decked the nether heaven with lamps and rendered it inviolable. That is the measuring of the Mighty, the Knower. Qur'an 41:9-12**

**Let us analyze them.**

**In verses 9-10, the Qur'an states that Allah created the earth before he created the heavens.**

**This is made apparent in the second half of verse 11 when Allah speaks to both the heaven and the earth; unless the earth had been created first, how could he speak to it? It is known from radiometric dating that the earth formed about 4.5 billion years ago, almost 9 billion years after the Universe first expanded.**

**The Qur'an doesn't address this fact and claims that the earth and the "smoke" were in existence at the same time. In verse 12, the Qur'an says it is only then that the stars are created.**

**In addition, the Arabic word for "gas" is *gaz* or *ghaz* (غاز), not *dukhan*. It is this word which should have been used to describe the state of the universe if the above verses were correct.**

**Again, the entire argument rests on the Qur'anic description of the "heavens" as "smoke"; a claim which in-turn rests on a false equivalence made between smoke and the makeup of the early universe.**

**The attempt to show that the Qur'an correctly describes the formation of stars (by quoting a portion of Qur'an 41:11) and then the earth (by quoting Qur'an 21:30) is shown to be disingenuous. When the entirety of verse 41:11 and its surrounding verses are read in context, it provides a clear**

**chronological account of the earth being formed first and then the hills and sustenance are created upon it. Only after the earth has been created does Allah create the stars. The entire account in the Qur'an is not an accurate reflection of the formation of the Universe.**

**Seeking support. our Muslim friends appeal to Dr. Alfred Kroner, a German geology professor.**

**The fact is that Dr. Alfred Kroner has never endorsed the Qur'an as being an accurate source of scientific information. A video interview conducted with Kroner in 2011 confirms that his comments from the 80s were taken out of context. He currently does not endorse the Qur'anic view of creation nor did he at the time of the original interview. He affirms that parts of the Qur'an are not supported by modern scientific evidence and are completely unscientific and mythical.**

**Moreover, it does not require divine revelation nor advanced scientific instruments to imagine the Milky Way, something that can be seen with the naked eye right here from the earth, as a cloud of smoke in the night sky.**

**In light of the information presented above, one would ask: is this claim a scientific miracle or a scientific problem?!**

## 38- The Moon's light

**A popular claim is that the Qur'an has knowledge that the moon does not emit its own light, but simply reflects light coming from the Sun.**

**However, the Arabic word for reflected (in`ikaas) does not appear in the two Qur'anic verses that say the Moon is a "light". It instead uses the word "noor" (nooran نُورًا) which simply means a light, and in another verse, muneer (muneeran مُّنِيرًا), which means giving light and is from the same root as noor. This is vague enough to be interpreted either way, so is**

**not necessarily an error, but nor can any special knowledge be claimed by it.**

**He it is Who appointed the sun a splendor and the moon a light, and measured for her stages, that ye might know the number of the years, and the reckoning. Allah created not (all) that save in truth. He detaileth the revelations for people who have knowledge. Qur'an 10:5**

**And hath made the moon a light therein, and made the sun a lamp? Qur'an 71:16**

**Noor appears again (this time as a participle muneeran مُنِيرًا) in a similar verse about the moon: Blessed be He Who hath placed in the heaven mansions of the stars, and hath placed therein a great lamp and a moon giving light!" Qur'an 25:61.**

**Perhaps the best example of a verse showing the noor simply means light and not reflected light can be found in 33:45-46 in which a lamp is shining light with the exact same Arabic word as in 25:61 above (muneeran مُنِيرًا):**
**O Prophet! Lo! We have sent thee as a witness and a bringer of good tidings and a warner. And as a summoner unto Allah by His permission, and as a lamp that giveth light.**
**Qur'an 33:45-46**

**In Lane's Lexicon of classical Arabic, this word muneer (مُنِيرً) is defined as 'Giving light, shining bright, bright, or shining brightly'. Noor is defined as 'Light, and the rays thereof'.**

**In reference to Qur'an verse 10:5 (quoted above) Muslim commentators claim that 'In the Qur'an , the sun is termed ضياء and the moon نور and it is said that ضياء is *essential*, but نور is *accidental* [light]'. It is important to note that this notion of essential and accidental light and its application to the sun and moon originates not from the Arabs at the time of the Qur'an, but rather from the book *Kitab al-Manazir*, commonly known as 'Optics', published in 1572 by the great polymath and optics pioneer al-Hazen.**

**Moreover, the word "Noor" is also used in Surah 24:35 to show that Allah is the "light" of the universe. Clearly the author is not implying that Allah reflects light from another source but is the source of the light.**

**Allah is the Light of the heavens and the earth. Surah 24:35. So, the claim that the Qur'an asserts that the moon reflects the light of the sun is unsubstantiated.**

**How then could it be considered a scientific miracle?!**

## 39- QURAN PREDICTED BLACK HOLES

**"The 20th century saw a great many new discoveries regarding celestial phenomena in the universe. One of these entities, which has only recently been encountered, is the Black Hole. These are formed when a star which has consumed all its fuel collapses in on itself, eventually turning into a black hole with infinite density and zero volume and an immensely powerful magnetic field. We are unable to see black holes even with the most powerful telescope, because their gravitational pull is so strong that light is unable to escape from them. However, such a collapsed star can be perceived by means of the effect it has on the surrounding area. In Surat al-Waqi'a, Allah draws attention to this matter in this way, by swearing upon the position of stars:**

**And I swear by the stars' positions-and that is a mighty oath if you only knew. (Qur'an, 56:75-76)".**

**Let us examine this apologists' claim.**

**This verse doesn't say anything about a collapsed star. Only the position of the stars. It is the conjecture of the Islamist that**

**the verse refers to collapsed stars. In fact, some translations allude to shooting or falling stars.**

**Khalifa: I swear by the positions of the stars.**

**Yusuf Ali: Furthermore I call to witness the setting of the Stars,**
**- Pickthall: Nay, I swear by the places of the stars**
**- Shakir: But nay! I swear by the falling of stars;**
**-Sher Ali: Nay, I cite as proof the shooting of the stars**

**Surah 77 Muralist is also used to support the claim. This surah does not speak about black holes at all, but about the Day of Decision ( Day of Judgment). Therefore, it cannot possibly refer to black holes which were formed and continue to be formed long before this specific day. This is very clear from verse 13. 77:13 *To the day of decision.***

**The claim continues, using Surah 86 this time :**

**[I swear] by Heaven and the Tariq! And what will convey to you what the Tariq is? The Star Piercing [the darkness]! (Qur'an, 86:1-3)". The verse actually refers to Tariq, a specific star. Some say it is the morning star (Pickthall and Sher Ali).**

**A star that pierces the darkness (or has piercing brightness) cannot be a black hole. Secondly, if the reference by Pickthall and Sher Ali is correct, the Tariq or morning star is Venus, a planet and not a star]. Therefore, it would appear that the claim, that the Quran makes about black holes, cannot be supported by either the reading of the entire surah, or by the scientific facts about black holes.**

**How then can this be a scientific miracle?!**

## 40 -QURAN PREDICTED PULSARS

**[I swear] by Heaven and the Tariq! And what will convey to you what the Tariq is? The Star Piercing [the darkness]!**
**(Qur'an, 86:1-3).**

**Pulsars are the remains of extinguished stars which emit very powerful, pulse-like radio waves and which revolve very rapidly around their own axes. It has been calculated that there are more than 500 pulsars in the Milky Way, of which our Earth is a part.**

**In 1967, astronomers stated that, as matter grows denser in the core as it revolves around its own axis, the star's magnetic field also grows stronger, and thus gives rise to a magnetic field at its poles 1 trillion times stronger than that of Earth. They realized that a body revolving so fast and with such a powerful magnetic field emits rays consisting of very powerful radio waves in a conic form at every revolution. Shortly afterwards, it was also realized that the source of these signals is the rapid revolution of neutron stars. These newly discovered neutron stars are known as "pulsars." These stars, which turn into pulsars through supernova explosions, are of the greatest mass, and are the brightest and fastest moving bodies in the universe. Some pulsars revolve 600 times a second.**

**The word "pulsar" comes from the verb to pulse. According to the American Heritage Dictionary, the word means to pulsate. It also means “to expand and contract with a strong regular beat”.**

**Following that discovery, our Muslim friends came up with the claim that the phenomenon described in the Qur'an as "tariq ; piercing star”, i.e. a bright star that pierces a hole in the**

**darkness and moves on, bore a great similarity to the neutron stars known as pulsars.**

**Let us now deal with the details:**

**Muslim apologists gave the definition of the root "tarq" as beat or strike hard. Nowhere is there the implication of 'moving on'. So, we're left with only a star that pierces. But does this mean that the Tariq is a pulsar? This tafsir defines tariq as "someone that pounds on something", not a pulsar.**

**Quote: The term / tariq / is derived from / tarq / 'to pound'.**

**And since the doors are closed at night when people arrive, they must pound on them to gain permission to enter, then, that which comes at night is called /tariq/ 'the night-visitant'.**

**Does beat, strike, knock, pound, or pierce mean pulse? It seems a stretch of the imagination to suggest that. Hence, I contend that the definition of Tariq of beat, pierce, strike, knock, and pound does not suggest the pulsing characteristics of a pulsar.**

**In terms of piercing the darkness, it would appear pulsars are neither the brightest, nor the strongest radio emitters in the Universe.**

**Regardless, it appears that al-Tariq refers to a singular star, not a collective of pulsars. If it is a single pulsar, which one is it? Sadly, the Quran doesn't say, leaving the logical conclusion, due to its singular noun, that it refers to something the 7th Century Arabs knew about.**

**One must conclude that the claim that the Qur'an predicted the modern understanding of pulsars is conjectural and not**

**supported by the scientific evidence. How then can it be considered a scientific miracle?!**

## 41 - Lowest Land Prediction Claim in the Qur'an The claim

**The Qur'an states that the Romans were defeated in "adna al-ard". "Adna" means lowest. "al-ard" means land or earth. Thus, the Qur'an states that the Romans were defeated in the lowest land.**

**The Romans were defeated at the Dead Sea Shore. The Dead Sea Shore is the lowest land on earth. Therefore, the Qur'an stated that the Dead Sea shore is lowest land on earth before anyone knew of this fact.**

**Qur'an 30:2-3: The Romans have been defeated. In the nearer land, and they, after their defeat, will be victorious. (Mohsin Khan Translation).**

**1-Adna comes from the root word dal-nun-waw.**
**According to lane's lexicon, the root word dal-nun-waw literally means "near" which has been the meaning given by all classical scholars and prominent translators and is in fact the more legitimate one.**

**2- According to lane's lexicon, the definition "low" is not referring to depth BUT it is referring to inferiority/ weakness/ disgrace. The Qur'an has also used this word to mean "inferior" in verse 7:169.**

**3- Thus the Muslim apologist has committed the fallacy of equivocation and has failed to establish that the words "adna al-ard" do in fact mean "lowest land."**

**4- For the sake of continuing the discussion, let us assume that "adna al-ard" does mean "lowest/ deepest land,**

**Historically, one can also confirm this event in any academic source including the Encyclopedia of the Peoples of Africa and the Middle East, Volume 1, page 555 which states the following,**

**"The advancing Persians killed thousands of Christians and destroyed hundreds of churches. On reaching Jerusalem in April 614, the Persians placed the city under siege for a month. When it finally fell, 60, 000 Christians were murdered and over 30,000 put into slavery as punishment for their resistance...In 627, the Byzantines defeated the Persians in a major battle at Nineveh" (pg 555).**
**(Stokes J & Gorman A. *Encyclopedia of the Peoples of Africa and the Middle East, Volume 1*, Infobase Publishing. 2008).**

**Thus, the single question now is: Does the Qur'an say that the defeat will be in a place located near the lowest land? Or does it say (according to apologists) that the defeat will be in the lowest land?**
**If what Muslim apologists say is true, then the Qur'an would be in error since it would be saying that Jerusalem is the lowest land.**
**In conclusion, the term "adna al-ard" does not mean "lowest/ deepest land" and the Romans were not defeated at the Dead Sea shore. Therefore, this miracle claim is not substantiated.**

## The English Versions

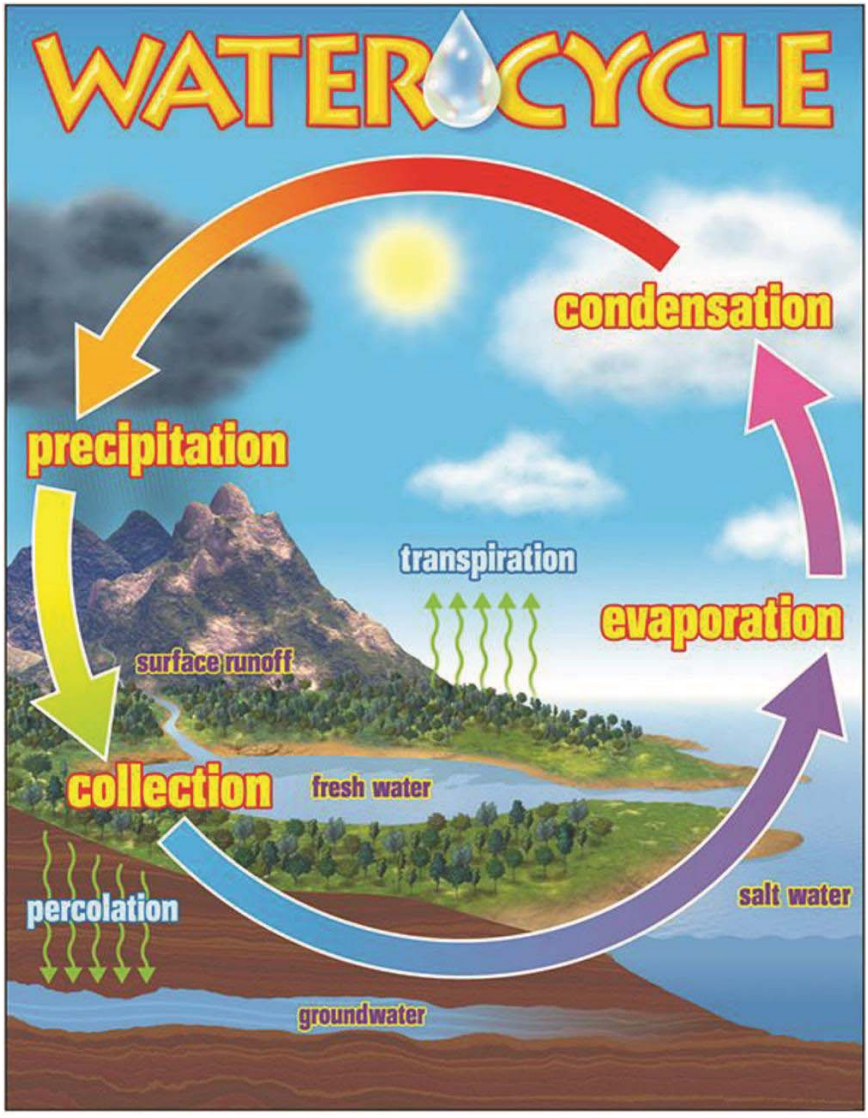
**It is rather intriguing that none of the most read and popular English versions of the Quran translates *adna* as lowest or *al-ard* as the earth. They uniformly render *adna* as close/near/nearer/nearest (or even as neighboring!) and *al-ardi* as land respectively. That includes A.J. Arberry, N.J. Dawood, Y. Ali, Pickthal, Muhammad Asad. Abdel Haleem, F. Malik**

***Shakir, Sher Ali*, Maulana Muhammad Ali, Muhammad Sarwar, T.B. Irving**

**Saheeh International, Muhammad Sarwar, Abdul Majid Daryabadi, Rashad Khalif, Palmer, and Sale.**

**If "Adna" means "nearest"as confirmed by the lexicons and the majority of English translations, why then do apologists insist on calling it "lowest"?!**

# 4- Qur'an And General Science



## 42- On the Sensory Characteristic of the Skin

**In the Qur'an, there was a reference 1400 years ago which pertains to the moment of punishment of the unbelievers by the fire of Hell and it states that when their skin is destroyed, Allah makes another skin for them so that they perceive the punishment by a fire, indicating knowledge about the nerve endings in the skin, and the verse is as follows:**

**Those who reject our signs, We shall soon cast into the fire. As often as their skins are roasted through, We shall change them for fresh skins, that they may taste the chastisement. Truly Allah is Exalted in Power, Wise.**
**(Qur'an 4:56).**

**Where is the "reference to the importance of the nerve endings"? I do not see this in the text of the Qur'an. Humans, as well as animals, have always known that their skin feels pain when it is burned! Did you need a "divine revelation" to know this?**

**If we knew that skin felt pain "long before, then where is the scientific "miracle"? The thought that Allah will regenerate the skin of those that he has burned, only to burn them again, sounds cruel and vindictive. If a human experiences a deep burn it will destroy their pain sensors, making the skin which regrows without sensation. That's a demonstrable medical fact - any subsequent skin may not feel as much pain. This experience is the same today as it would have been 1400 years ago. Certainly, some people of the past had the experience of deep burns and made the discovery that their regrown skin (scar tissue) was less sensitive. So all the author of the Qur'an is doing when he writes this surah is to demonstrate that he knows that since ordinarily a human won't feel pain in the regenerated skin after a severe burn, but Allah makes sure that he does by giving a special kind of skin that allows Allah's torment to be perpetuated.**

**The skin is the outermost portion of the human body so it stands to reason that it would be the first organ (yes, skin is an organ) to sense the pain of being burned. But surely the "center of sensitivities to burns" should be the thalamus (within the brain), since that is where the person initially perceives burning pains.**

**Do our Muslim friends - distinguished scientists or just ordinary believers - really want to claim that "sensitivity of the skin to burns" is something discovered only by modern science? Did humans 1400 years ago not feel the same pain when their skin was burned? The Qur'an again mentions the obvious. It does not mention anything unobservable at the time. It does not mention HOW this new skin may enable you to experience pain again. It does not speak about specific "nerve cells" in the skin functioning as "pain receptors" which are indeed insights of modern science. But experiencing pain when your skin is burned (and scar tissue not being as sensitive as true skin) is hardly an experience restricted to modern times.**

**How then could this be miraculous?!**

## 43 - FEMALE BEES PRODUCE HONEY

**Some Muslims claim that it is mentioned in the Qur'an that only female bees can produce honey, which is miraculous. Here is the full claim:**

**"And Your lord inspired the bee, to build your dwellings in hills, on trees, and in (human's) habitations. Then, to eat of all the produce and follow the ways of your Lord made easy. There comes forth from their bodies a drink of varying color, wherein is healing for men: Verily, in this is a sign for those who give thought." (The Quran, 16:68-69).**

**The imperative "build" above is the translation of the Arabic word "attakhithi", which is the feminine form (Arabic grammar unlike English, differentiates between the sexes). The feminine form is used when all of those it refers to are female, whereas the masculine is used when a group consists of at least 1 male. Therefore the Qur'an is in fact saying "build, you female bees.."A swarm of bees , which collect honey and build the hive, are female only.**

**Thus, the phrasing of this command agrees with the scientific fact that male bees do not partake in the construction of the hive. There are many objections to be made here.**

**First, the belief that worker bees are female existed at least from a time dating back to Aristotle and perhaps much before him.**

**Describing the various theories about the bees prevalent in his time, Aristotle wrote: "Others, again, assert that these insects copulate, and that the drones are male and the bees female." [History of Animals, Book 5, Ch. 21].**

**Aristotle observed that the brood of drones appears even when there is no ruler bee in the hive. This is an accurate observation. As we know today, unfertilized female workers can lay eggs in the absence of a queen, but the eggs develop into drones. Aristotle gave a fairly accurate description of the bees with only few mistakes like confusing the gender of the Queen and calling it King.**

**Aristotle lived in 350 BC or 1000 years before Muhammad. Therefore, the concept of bees being female was not an invention of the Qur'an. In fact, the word bee in Arabic is feminine.**

**There is nothing ground-breaking in what we see in the two quoted verses.**

**The word bee in Arabic is *nahla*. This word was not invented by the prophet of Islam This is an Arabic word used by everyone who speaks Arabic. The word is feminine. In Arabic some words are feminine, and some are masculine. The fact that prophet of Islam used an Arabic word that happens to be feminine is no indication that he was the first who discovered bees are female. In fact, not all bees are female.**

**The gender of the worker bees was already widely known at least for 1000 years before Muhammad. All Arabs used the same word even before Muhammad.**

**One would wonder how could this be called a scientific miracle?!**

## 44- Qur'an And All Creation In Pairs

### Qur'an 13:3

**Yusuf Ali: And it is He who spread out the earth, and set thereon mountains standing firm and (flowing) rivers: and fruit of every kind He made in pairs, two and two: He draweth the night as a veil o'er the Day. Behold, verily in these things there are signs for those who consider.**

**The same idea is repeated in suras: 36:36, 43:12, 51 :49, 53:45, 75:39, 92:3, and 13:3.**

**Let us examine the claim. All one must do is to show that not all creatures are 'created' in pairs.**

**1. The Quran leaves out asexual organisms.**

**Asexual reproduction is found in the majority of living organisms, including most plants, protists (e.g. bacteria, protozoans, and unicellular algae and fungi), as well as many lower invertebrates such as Phylum Porifera, Phylum Cnidaria and phylum Platyhelminthes.**

**2. The Qur'an leaves out hermaphrodites.**

**Some creatures, including plants, are hermaphrodites. For example, sponges, snails, the slug-like sea hare, and some kinds of deep-sea arrow worms are hermaphrodites, that is, they have both sexes in one body.**

**Some creatures also change their sex during their life cycles: Quahogs (hard-shell clams) are born and grow up male, but later, half of them turn female. Slipper shells and cup and saucer shells do this too; they commence every season as males, but nearly all of them later pass through a phase of ambisexuality and turn into adult females. Some species change sex depending on their environment, such as the marine worm Ophryotrocha, if the portly young females are later underfed, they revert back into males again. Some fish can also change sex spontaneously, for example certain groupers and guppies. Hermaphrodite, by definition, is both male and female at once, even if performing one of its sexual functions at the one time.**

**3. The Qur'an leaves out parthenogenetic organisms.**

**Parthenogenesis is a form of reproduction in which the ovum develops into a new individual without fertilization. Natural parthenogenesis has been observed in many lower animals (it is characteristic of the rotifers), especially insects, e.g., the aphid. In many social insects, such as the honeybee and the ant, the unfertilized eggs give rise to the male drones and the fertilized**

**eggs to the female workers and queens. There are 15 species of whiptail lizard (genus Cnemidophorus) that are wholly parthenogenetic, for example Cnemidophorus tigris (Western whiptail) and Cneomexicanus.**

**4. The Chinese Yin-Yang duality concept.**

**Unfortunately for the Islamist polemicists, the ancient Chinese already believed in the duality of all creation. This duality principle is known as 'Yin and Yang', part of the Taoist belief system. The date of origin of the Yin-Yang duality principle is unknown, however all reasonable estimates predate Islam by at least two thousand five hundred years. {Note the Yin-Yang symbol dates back to at least 400 BC and was present in ancient Shang Dynasty Bronze but the Yin-Yang principle dated much earlier.}**

**Thus, it is hardly miraculous for the Qur'an to claim 'creation in pairs' of all things known and unknown when the ancient Chinese already believed in a remarkably similar duality principle at least two thousand years before Islam.**

**CONCLUSION**

**Therefore, based on the existence of asexual, hermaphroditic, and parthenogenetic organisms, the Qur'anic verses about Allah creating ALL CREATURES in pairs (male and female) is unsubstantiated.**

**Where is the scientific miracle here?!**

## 45- DARKNESS IN THE SEAS AND INTERNAL WAVES

**Or [the unbelievers' state] are like the darkness of a fathomless sea which is covered by waves above which are waves above**

**which are clouds, layers of darkness, one upon the other. If he puts out his hand, he can scarcely see it. Those Allah gives no light to, they have no light. (Qur'an, 24:40).**

**Some Muslims claim that in deep seas and oceans, the darkness increases and since human beings are not able to dive to a depth of more than 70 meters without the aid of special equipment, the above verse indicates that the prophet of Islam had divine knowledge.**

**This is an obvious self-deluding fallacy. Anyone who has dived only a few meters in the sea can see that the light decreases with depth, especially if there are layers of clouds blocking the sunlight. Since antiquity Arabs used to dive into the Red Sea to harvest coral. Claiming that only the prophet of Islam knew that in deep seas there is little light is preposterous when this can be observed by anyone diving into the sea.**

**But that is not all. Some Muslims also see another miracle in this verse. They say the part that says "...like the darkness of a fathomless sea which is covered by waves above which are waves above which are clouds…" is another miracle of the Qur'an because:**

**"Scientists have only recently discovered that there are sub-surface waves, which "occur on density interfaces between layers of different densities." These internal waves cover the deep waters of seas and oceans because deep water has a higher density than the water above it. Internal waves act like surface waves. They can break, just like surface waves. Internal waves cannot be discerned by the human eye, but they can be detected by studying temperature or salinity changes at a given location."**

**We can clearly see that the prophet of Islam in this verse is not talking about any internal and underwater waves. His language is vague. That is why some Muslims try to interpret his words in any way that pleases them.**

**How difficult was for him to be specific and say that in the sea there are internal ways? But he is talking about waves over waves as experienced by a person that is being drowned in the sea.**

**This verse is not trying to explain to the readers how the deep oceans look but it is exemplifying the state of the unbeliever with something that is already known to the reader. This shows that people who read this verse already knew that the dept of ocean is dark (just as anyone knows today) and with this example the prophet of Islam tried to make them visualize the state of the unbeliever. If they did not know that the deep waters are dark, then the verse would not express what it intends to express.**

**Furthermore, the prophet of Islam is not talking about "deep oceans". In deep oceans you do not need to "stretch your hand" as he says, in order to not see it. You cannot see anything.**

**So, how can stating the obvious be a scientific miracle?**

## 46- The Egg-Shaped or Flat Earth?

**Some Muslims claim that: "Verse 79:30 describes the earth as egg-shaped, more precisely the egg of an ostrich, because of the word "dahaha".**

**This claim is very popular among our Muslim friends, but unfortunately it is clearly wrong. Let's take a look at verse 79:30. وَالأَرْضَ بَعْدَ ذَٰلِكَ دَحَاهَا**
**دَحَا= daha=spread out , level off , level. The last ha = هَا in dahaha means this. So dahaha actually means "spread out this, level off this, level this".**
**Does "Dahaha" really mean egg-shaped?**

**In Arabic, each word must be derived from its root. The root usually consists of three letters that can be manipulated, by adding vowels, prefixes and suffixes in order to produce different words with different meanings.**
**For example, "ka-ta-ba" (to write) is the root for many words such as kitab (book), maktaba (library), katib (author), maktoob (written), kitabat (writings) etc...**

**Let's now take the word that was mentioned to mean egg of an ostrich, "Duhiya". This word is NOT a root. It is a noun and is derived from "da-ha-wa", the same root that the verb "dahaha" comes from.**

**Furthermore, Duhiya doesn't even mean the egg of an ostrich! This is what the most respected dictionaries have to say on this subject:**

**From Lisan Al Arab:**

**الأُدْحِيُّ و الإِدْحِيُّ و الأُدْحِيَّة و الإِدْحِيَّة و الأُدْحُوّة مَبِيض النعام في الرمل , وزنه أُفْعُول من ذلك , لأَن النعامة تَدْحُوه بِرِجْلها ثم تَبِيض فيه وليس للنعام عُشٌّ . و مَدْحَى النعام: موضع بيضها , و أُدْحِيُّها موضعها الذي تُفَرِّخ فيه .**

**Translation: "Al-udhy, Al-idhy, Al-udhiyya, Al-idhiyya, Al-udhuwwa: The place in sand where an ostrich lays its egg.**

**That's because the ostrich spreads out the earth with its feet then lays its eggs there, an ostrich doesn't have a nest."**

**As for the meaning for the verb "dahaha", it's unanimously agreed on by all Arabic dictionaries:**

**يَدْحُوهَا وَيَدْحَاهَا دَحْواً: بَسَطَها دَحَا: الله الأَرضَ**

**Al Qamoos Al Muheet:**

**"Allah daha the Earth: He spread it out." Al Waseet:**

**دَحَا الشيءَ: بسطه ووسعه. يقال: دحا اللهُ الأَرض**

**"To daha something: means to spread it out. For example: Allah daha the Earth."**

**Lisan Al Arab:**

**لدَّحْوُ البَسْطُ . دَحَا الأَرضَ يَدْحُوها دَحْواً بَسَطَها . وقال الفراء في قوله والأَرض بعد ذلك دَحاها قال :**

**بَسَطَها ; قال شمر : وأَنشدتني أَعرابية : الحمدُ لله الذي أَطاقَا**

**"To daha the earth, means to spread it out."**

**Also, Ibn Kathir confirms this in his commentary on the Qur'an: 79: 30. (And after that He spread the earth).**

**Conclusion:**

**While verses 15:19, 20:53, 43:10, 50:7, 51:48, 71:19, 78:6, 79:30, 88:20 and 91:6 ALL clearly state that the earth is flat. And not a single verse in the Qur'an tells or even hints at the shape of the earth is anything else other than flat. The conclusion is clear; according to the Qur'an the earth is flat as a pancake.**

**How then could that be a scientific miracle?!**

## 47- QURAN AND THE DESCENT OF IRON MIRACLE

**Iron is one of the elements highlighted in the Qur'an. In Surat al-Hadid, meaning Iron, we are informed:**
**And We also sent down iron in which there lies great force, and which has many uses for mankind… (Qur'an, 57:25).**

**The word "anzalna," translated as "sent down" and used for iron in the verse, could be thought of having a figurative meaning to explain that iron has been given to benefit people. But, when we take into consideration the literal meaning of the word, which is, "being physically sent down from the sky," as in the case of rain and sun rays, we realize that this verse implies a very significant scientific miracle. This is because, modern astronomical findings have disclosed that the iron found in our world has come from giant stars in outer space.**

**This is how the claim goes.**

**When one starts to examine it, he finds that it is based on an illogical premise. The word anzalna / anzala is used 88 times in the Qur'an. It is also used for:**

- **cattle: 39:06**
- **garments: 7:26**
- **food/sustenance: 10:59; 45:05; 2:57; 7:160**

**None of these things come from outer space or heaven.**

**Do the above verses mean that cattle, garments, and food, also come from supernova? No, they don't. So, why assume that surah 57:26 literally states that iron came from outer space? Why assume the literal meaning with respect to iron but the figurative meaning when referring to everything else?! The**

**only logical explanation for the use of the term 'anzalna' that is consistent with all its occurrences in the Qur'an is to denote something provided by a deity, mechanism unknown. To selectively assign 'origination from supernova' to iron but not to cattle, garments, and food, without evidence as to why one should use the literal versus the figurative interpretation is mere supposition, or special mystical interpretation.**

**One cannot overstate that it is illogical to assign a literal interpretation to a certain case but figurative interpretations in every other case without the evidence to support such distinction.**

**Secondly, this claim ignores the prior knowledge of other peoples. The 'iron sent down from heaven' proposition is not distinct to Islam nor was the Islamic version the earliest. The ancient Egyptians referred to iron as 'iron from heaven'.**

**Thus, the concept of iron from outer space/heaven/sky was already known to humanity thousands of years before Islam.**

**The Egyptians called iron 'the metal of heaven' or ba-en-pet, which indicates that the first specimen employed were of meteoric origin. It was no doubt on account of its rarity that iron was prized so highly by the early Egyptians, while its celestial source would have its fascination.**

**The Babylonian name has the same meaning This concept was also shared by the ancient Mesopotamians.**

**There is nothing miraculous about the surah reference and the atomic number of iron. This is mere coincidence as other metals are also mentioned in the Qur'an and their atomic numbers bear no relation to their surah references.**

**To selectively assign miracles based on coincidence (since godly design is unproven) is a logical fallacy.**

**Thus, there is nothing miraculous about surah 57:26 and the 'descent' of iron.**

**How then can it be a scientific miracle?!**

**48 - Water Cycle**

**The water cycle consists of 4 steps, it: (1) evaporates from the seas and the earth; (2) becomes clouds; which (3) give rain; which (4a) causes the land to bring forth, and (4b) replenishes the water table which reveals itself by gushing springs and full wells.**

**The Qur'anic Surahs 50:9-11, 35:9, 30:48, 7:57, 25:48-49, and 45:5, include steps (2), (3), and (4a). As an example, we will look at the Late Meccan Sura of the Heights (Al-Araf) 7:57,**

**"(Allah) is the One Who sends forth the winds like heralds of His Mercy. When they have carried (2) the heavy-laden clouds, We drive them to a dead land. Then We cause (3) water to descend and thereby (4a) bring forth fruits of every kind. Thus, We will bring forth the dead. Maybe you will remember."**

**Every man or woman, even those living in a city, could describe steps (2), (3), and (4a). And every person in contact with farmers during a drought will hear them say that their wells and springs have dried up, thus showing common knowledge of step (4b) that rain is the source and origin of underground water.**

**But what of step (1) - evaporation as the source of rain clouds? This would be much more difficult to understand by**

**observation and it is not mentioned in any of the Quranic verses cited.**

**On the other hand, when we turn to the Torah-Old Testament- we find three references which clearly include the difficult step (1).**

**In the book of the Prophet Amos 5:8, written 1300 years before the Hejira, we read,**

**"He who made the Pleiades and Orion, who turns blackness into dawn and darkens day into night, who (1) calls for the waters of the sea and (3) pours them out over the face of the land - the Lord is his name.**

**In the book of Job (Aiyůb) 36:26-28, a Prophet who lived on the Northern borders of Arabia we find this very detailed description of the water cycle. Written at least 1000 years before the Hejira, it says:**

**"How great is God - beyond our understanding!**
**The number of his years is past finding out.**

**He (1) draws up the drops of water, which distill from the mist as (3) rain. The (2) clouds pour down their moisture and abundant showers fall on mankind."**

**These verses have mentioned all the steps except (4b), and in the book of the Prophet Hosea 13:15, almost 1400 years before the Hejira, we find these words showing knowledge of this step also,**

**"...An East wind from the Lord will come, blowing in from the desert;**
**his spring will fail and his well will dry up...".**

**No rain in the dry East wind, with the result that the well and spring dry up, is clearly the reverse of rain replenishing the water table. Thus, the Torah-Old Testament- describes all 4 steps including the difficult step (1).**

**The Qur'an describes all steps known to ordinary man while it doesn't mention anything about step 1 which is not obvious.**

**How can it then be scientifically miraculous?!**

**49. Currents in the Sea.**

**Surah of the Light (Al-Nůr) 24:39,40, from 5-6 AH reads,**

**"As for those who disbelieve, their deeds are as a mirage in a desert. The thirsty man mistakes it for water; until when he comes to it, he finds nothing...**
**"Or as darkness in a fathomless sea. There covers him a wave, above which is a wave, above which is a cloud. Layer upon layer of darkness. If he holds out his hand, he can barely see it. And for whomever God has not appointed light, for him there is no light."**

**Some Muslims propose that when the Qur'an speaks of "waves above waves", this shows foreknowledge of modern marine science, which has demonstrated that there are many ocean currents such as the Gulf Stream and the Japanese Current.**

**It must be pointed out that this same information was foretold in the Torah (Old Testament) in Jonah, and in the Zabur (Psalms) of David.**

**After Jonah (Yůnus), who prophesied in 750 BC, was swallowed by the fish, Jonah 2:1-3 says:**

**"From Inside the fish Jonah prayed to the Lord his God.**
**He said,...You hurled me into the deep,**

**into the very heart of the seas,**
**and the currents swirled around me;**
**all your waves and breakers swept over me.**
**The Hebrew word used here for "currents" is "*nahr*", and it can also mean "river" as in Arabic. "Waves" and "breakers" are two different words - almost synonymous except that by its root "breakers" probably stands for the great large waves of storms.**

**Even earlier, in 1000 BC, or 1600 years before the Hejira, the Prophet David wrote the Zabur by the inspiration of the Holy Spirit. In one of his great Psalms of praise, Psalm 8:4,6,8, we read,**

**"What is man that you are mindful of him,**
**the son of man that you care for him?...**

**You made him ruler over the works of your hands,**
**You put everything under his feet:...**

**the birds of the air, and the fish of the sea,**
**all that swim the paths of the sea."**

**"Paths of the sea" may only be poetic repetition of the preceding line, but it is, along with the passage from Jonah, a correct description of the ocean currents as we know them in the 20th century.**

**If this was known 1600 years before the Qur'an, how then could it be considered miraculous?!**

**<u>50. A Barrier Between Salt and Fresh Water.</u>**

**In the Early Meccan Sura of The Most Gracious (Al-Rahman) 55:19-21, a "barrier" is mentioned between two types of water. It reads,**

**"He (Allah) has let free the two bodies of flowing water meeting together. Between them is a barrier which they do not transgress. Then which of the favors of your Lord will you deny."**

**The word used here for "barrier", "barzakh", means - interval, gap, break, bar, obstruction, or isthmus.**

**The same information is given in a fuller form in another Early Meccan Surah, The Criterion (Al-Furqan) 25:53, which reads,**

**"It is He who has let free the two bodies of flowing water - one palatable and sweet, and the other salty and bitter. And He made between them a barrier and a partition that it is forbidden to pass."**

**The claim is made that the prophet of Islam had neither laboratory, nor research equipment to discover all these mysteries and understand this barrier clearly cited in the Qur'an. This proves another time that this book was not written by the hand of man, but is the work of Allah."**

**However, the question must again be asked: are we not faced with an observable phenomenon? Is it not presented as a known fact showing the favor of the Lord? Do not all the fishermen who fish at the outlets of rivers which empty into salt water know this fact?**

**Frankly, to read these verses as expressing modern scientific knowledge can raise more problems than it solves, because such an interpretation will also demand 20th century scientific accuracy of measurement. When God makes "a barrier and a partition that it is forbidden to pass", it sounds like a 100% prohibition. Shall we understand and translate this verse as "These waters shall never mix!"?**

**In fact, there is no "bar", no semi-permeable membrane, in the sea forbidding the mixing of the two and the forces ensure mixing.**

**It is simply that the salt and fresh water are physically separated (the effluent from the river displacing the sea water), but there is no barrier. Thermodynamically or energetically - the mixing is a spontaneous, immediate process, highly favored by entropy considerations. The only "barrier" is kinetic, in that it takes a little time to mix that much "stuff" together."**

**Is this a scientific miracle or a scientific problem in the Qur'an?**

## 51 - Qur'an Describes Altitude Sickness

**"Whomsoever Allah desires to guide, He expands his chest to Islam; whomsoever He desires to lead astray, He makes his chest narrow, tight, as if he were climbing up to the sky." (6:125).**

**فَمَن يُرِدِ اللَّهُ أَن يَهْدِيَهُ يَشْرَحْ صَدْرَهُ لِلْإِسْلَامِ وَمَن يُرِدْ أَن يُضِلَّهُ يَجْعَلْ صَدْرَهُ ضَيِّقًا حَرَجًا كَأَنَّمَا يَصَّعَّدُ فِي السَّمَاءِ} (الأنعام:١٢٥)**

**Some Muslims claim that this verse displays a miraculous similitude when presenting a scientific fact in a very eloquent and accurate style. They even go as far as claiming that the verse is a prophecy that came true centuries after it was first revealed.**

**The claim that this is a "miraculous similitude" referring to human-beings in space is not plausible, since space travel was unknown in the 7th century, and it would make no sense for Allah to describe something to people using a comparison of a phenomenon if that phenomenon had not been known to the people already.**

**Altitude sickness (aka. acute mountain sickness) commonly occurs above 2,400 meters (8,000 feet). It can progress to high**

**altitude pulmonary edema (HAPE) or high-altitude cerebral edema (HACE), which are potentially fatal.**

**A search of the highest points in the Middle East finds the following:**

**Jabal an Nabi Shu'ayb in Yemen at 3,666 meters (12,028 feet).**

**Cheekha Dar in Iraq at 3,611 meters (11,847 feet).**

**Qurnat as Sawda' in Lebanon at 3,088 meters (10,131 feet).**

**Possibly Jabal Sawda in Saudi Arabia at 3,000 meters (9,843 feet).**

**Mount Hermon (Jabal el-Sheikh) in Syria at 2,814 meters (9,232 feet).**

**Pre-Islamic Arabs were nomads who wandered and perambulated around the entire Arabian Peninsula, so it is almost certain that they would have already encountered the phenomenon of altitude sickness.**

**Thus, this verse would only make sense if it was accepted as a non-prophetic and figurative simile.**

**It may feel as if the chest is becoming "narrow and tight", but, if anything, the lower pressure found at higher altitudes would allow the lungs to expand more than at lower altitudes.**

**If the verse is taken figuratively, then it is not miraculous, since it is describing a phenomenon that would have been well-known to the wandering Arab nomads long before the Qur'an.**

**If the verse is taken literally, then it is scientifically inaccurate. There is no “tightening” of the chest. The constrictive sensation experienced at high altitudes is simply a result of having less air to breathe into your lungs.**

**How then can the Qur’anic claim be considered miraculous?!**

## 52 - QURAN AND THE LYING SINFUL PREFRONTAL CEREBRUM

**Several Islamists promote Professor Keith L. Moore's assertion about the lying sinful prefrontal area of the cerebrum (here referred to as the prefrontal cerebrum). In doing so, they are claiming that "naseyah" refers to the prefrontal cerebrum as Moore seems to suggest. The Qur'anic verse frequently quoted was about one of the evil unbelievers who forbade the prophet of Islam from praying at the Kaaba: Here it is:**

**No! If he does not stop, We will take him by the naseyah (front of the head), a lying, sinful naseyah (front of the head)! (Quran, 96:15-16).**

**A book entitled Essentials of Anatomy & Physiology says about this area,:"The motivation and the foresight to plan and initiate movements occur in the anterior portion of the frontal lobes, the prefrontal area. This is a region of association cortex..." Also, the book says, "In relation to its involvement in motivation, the prefrontal area is also thought to be the functional center for aggression....".**

**So, this area of the cerebrum is responsible for planning, motivating, and initiating good and sinful behavior and is responsible for the telling of lies and the speaking of truth. Thus, it is proper to describe the front of the head as lying and sinful when someone lies or commits a sin, as the Qur'an has said, "...A lying, sinful naseyah (front of the head)!. That is how the claim goes.**

**A rational reader would see that planning and initiation of movement are not lying and sin. Though they may be required for its execution, they are not identical. Planning and initiation of movement can just as easily be required for truth and good**

**deeds. In other words, movement control is not the process of lying which is a decision-making process and not a motor function. Thus, this line of thinking is unsubstantiated.**

**Secondly, aggression is not the same as lying and sin. One can just as easily lie and sin without aggression. Also, one can be aggressive, as in self-defense, without being considered deceptive or sinful. Thus, the Islamist claim of evidence is clearly unjustified.**

**Furthermore, modern science has investigated the brain processes required for lying and deception. This field has achieved great advancement from the invention of the Functional Magnetic Resonance Imaging technology (FMRI). The imaging data revealed four principles areas of brain activation — in the prefrontal and frontal, parietal, temporal and sub-cortical regions.**

**It can be seen that other parts of the cerebrum and the sub-cortical regions are responsible for lying, thus refuting the case that the prefrontal cerebrum is responsible for lying. The prefrontal cerebrum may only be partly responsible (i.e. for the memory component of the feigned memory experiment) and to assign it the prominent or sole role in lying is incorrect, to say the least. In fact, to be strictly correct, the decision-making processes for lying resides in the sub-cortical regions and not in the prefrontal region, which is merely responsible for working memory functions, not the executive function of lying.**

**Thus, the scientific evidence does not support the Islamist's claim that the Qur'an correctly asserts that the prefrontal region is responsible for lying as it is not the region responsible for the decision-making process of lying. Other regions, for example the anterior cingulate gyrus, the parietal lobe, other**

**regions of the frontal lobe, and sub-cortical regions (i.e. the caudate and posterior cingulate), are required for the brain processes of lying.**

**In light of this how then can Surah 95 :15-16 be miraculous?!**

## 53- FORBIDING EATING PORK

**" Say:, I find not in the message received by me inspiration any (meat) forbidden to be eaten by one who wishes to eat it , unless it be dead meat , or blood poured forth, or the flesh of swine for it is an abomination or what is impious, ( meat) on which a name has been invoked other than Allah's but ( even so) a person is forced by necessity without willful disobedience , nor transgressing due to limits , your Lord is Oft- Forgiving most Merciful" .**

**Al An'am 145**

**The same verse is repeated in Al Nahl 115 and Al Baqarah 173.**

**"Forbidden to you (for food) are: dead meat, blood , the flesh of a swine , and that on which has been invoked the name of other than Allah, …" Al Ma'idah 3.**

**Our Muslim friends claim that the above four verses show a scientific miracle for the Qur'an because science has recently proved that it is medically unhealthy to eat pork.**

**The problem with this line of argument is that there is no medical reason given in any of the four mentioned verses.**
**In fact, the only given reason is a religious one: "on which has been invoked the name other than Allah".**

**Furthermore, forbidding eating pork was mentioned in the Torah more than 2000 years before the Qur'an. Here are two verses of the Torah:**

**Leviticus 11:7 And the swine, though he divides the hoof, and be cloven footed, yet he cheweth not the cud; he is unclean to you.**

**Deuteronomy 14:8 And the swine, because it divides the hoof, yet chews not the cud, it is unclean unto you: you shall not eat of their flesh, nor touch their dead carcass.**

**Thirdly, not only eating raw swine meat causes deceases but also other animals like cows.**

**Without the inclusion of conclusive medical reports, based on the above alone, how can forbidding eating pork be a scientific miracle of the Qur'an?!**

## 54- The Splitting of Moon

**Some Muslims believe that while the prophet of Islam was in Mecca, Allah split the Moon as a miracle to the Meccans. This claim is made in the Qur'an. Surah 54 of the Qur'an is called "The Moon." It starts by saying (54:1-3):The hour drew night and the moon did rend asunder. And if they see a miracle they turn aside and say: Transient magic. And they call (it) a lie and follow their low desires; and every affair has its appointed term.**
**The great Muslim scholar Maududi explains: The amazing and wonderful phenomenon of the splitting of the Moon was a manifest sign of the truth that the Resurrection, of which the Holy Prophet was giving them the news, could take place and that it had approached near at hand. The great sphere of the Moon had split into two distinct parts in front of their very eyes. The two parts had separated and receded so much apart from each other that to the on-lookers one part had appeared on one side of the mountain and the other on the other side of**

**it. Then, in an instant the two had rejoined.**
**However, there are several problems with this story. The main problem is that it contradicts the Qur'an itself. In various places the prophet of Islam admitted that he could not have or did not have to perform miracles to prove himself. When asked to perform miracles his response was:**
**Glory be to my Lord; am I aught but a mortal messenger? Qur'an 17:93.**

**In another place the prophet of Islam quotes Allah as saying:**

**And those who disbelieve say: Why has not a sign been sent down upon him from his Lord? You are only a warner. Qur'an 13:7.**

**The prophet of Islam insisted that even though other prophets had miracles, his only miracle was the Qur'an. So, when Muslims claim that the prophet of Islam performed miracles, they are going against the Qur'an itself.**
**The other problem with this claim is that such a phenomenon should have been observed not just in Mecca but also all over the world. Many cultures have recorded even eclipses, why there is no mention of such a thing that for sure would have been the most amazing phenomenon?**

**Many Muslims are convinced that this phenomenon has indeed happened. They even use some close-up pictures of the Moon taken by NASA as an evidence. These are called Lunar Rilles. Rilles are long and deep gorges resembling canyons. A rille is typically several kilometers wide and hundreds of kilometers in length. Similar formations are found on a number of planets in the solar system, including Mars, Venus, and on a number of moons. How these rilles are formed is still not known with certainty. Theories include erosion at some**

**point in the stellar body's history, collapsed lava tubes, and tectonic activity/stresses.**

**There are three types of rilles on the lunar surface:**
**Sinuous rilles meander in a curved path like a river and are commonly thought to be the remains of collapsed lava tubes or extinct lava flows. They usually begin at an extinct volcano, then meander and sometimes split as they are followed across the surface.**
**Arcuate rilles have a smooth curve and are found on the edges of the dark lunar maria. They are believed to form when the lava flows that created a mare cool, contract, and shrink.**
**Straight rilles follow long, linear paths and are believed to be grabens. That is, a section of the crust that has sunk between two parallel faults. These can be readily identified when they pass through craters or mountain ranges. Rilles can be found all over the lunar surface and they do not form a belt and therefore do not in anyway support the Islamic claim** that **the Moon had been split asunder.**

**Does it make sense for someone to still make that claim?!**

## Final Remarks

**Genuine love for our dear Muslim friends compels us not to conclude this booklet without sharing few final remarks with them.**
**We really appreciate the zeal that they have for their shahada. We are convinced that they are sincere in their pursue. However, sincerity is not a test for truth. People could be sincerely wrong.**
**Little over 500 years ago , the science of the day was that the earth was flat and it was the center of the universe. That was before Copernicus wrote his "Commentariolus".**
**Science is changing and it is very dangerous to tie a sacred text to it.**
**Many wise Muslims warned against that, including Imam Al-Shatbi.**
**Jews and Christians were careful not to fall in that trap. For example, they could have used Job 26:7 "..and hangeth the earth upon nothing" to proclaim a " scientific miracle of the Bible".**
**They didn't need "science" to validate their scriptures.**
**While on the subject of science, it is worth noting here that in Islam, Hadith is considered a science. The same thing applies to Jurisprudence.**
**We, whole heartly, invite our Muslim fiends to re-examine what they consider "fundamentals". We beg them to rigorously investigate the historicity of the Hadith collections that were transmitted orally for almost two centuries before they were written down by imam Al-Bukhari in his famous collection "Sahih Al- Bukhari".**
**Second in importance is the biography of the prophet as compiled by Ibn-Ishaq and later edited by Ibn-Hisham.**
**Here is why the hadiths collection (and Sunnah in general) are the foundation of the whole structure:**

1. **They are the only source for the first 40 years history of the prophet of Islam.**

2- **They are the only source for knowing how the Qur'an "came down", was written, collected, and copied.**
3- **They are the major source for learning the details of the pillars of Islam like: prayer, Zakat, pilgrimage etc.**
4- **They are the only source to know the context (Assbab Al-Nuzool) of many "Ayats" in the Qur'an. Without knowing the context, many "Ayats" would not be understood.**
5- **They are the only source to know the order of the "Ayats". This is extremely important to understand the abrogation principle (which "Ayat" abrogated which ones).**

**As you can see, the Hadiths collection is foundational for the entire structure.**
**So, once again, we beg you to make a sincere and objective effort to examine the reliability of the close to 200 years oral tradition of Hadiths collection and find out how solid it is for you to base your eternal life on it, given the fact that only 113 hadiths out of tens of thousands were narrated by multiple narrators ( حديث متواتر) according to Imam Jalal Al-Din Al Suyuti. The rest included at least a single narrator in one ring of the chain (حديث آحاد).**

**Back to the subject of the booklet. We think that we have presented a strong and substantiated case for the invalidity of the claim that the Qur'an is scientifically miraculous. We leave it for every objective and rational person to examine the evidence for himself/herself.**

## Table Of Content


**Introduction** 2

**1- Embryology** ..... 4

**2- Geology** ..... 24

**3- Astronomy** ..... 33

**4- General Science** ..... 55

**5- Final Remarks** ..... 81

**6- Main references** ..... 84

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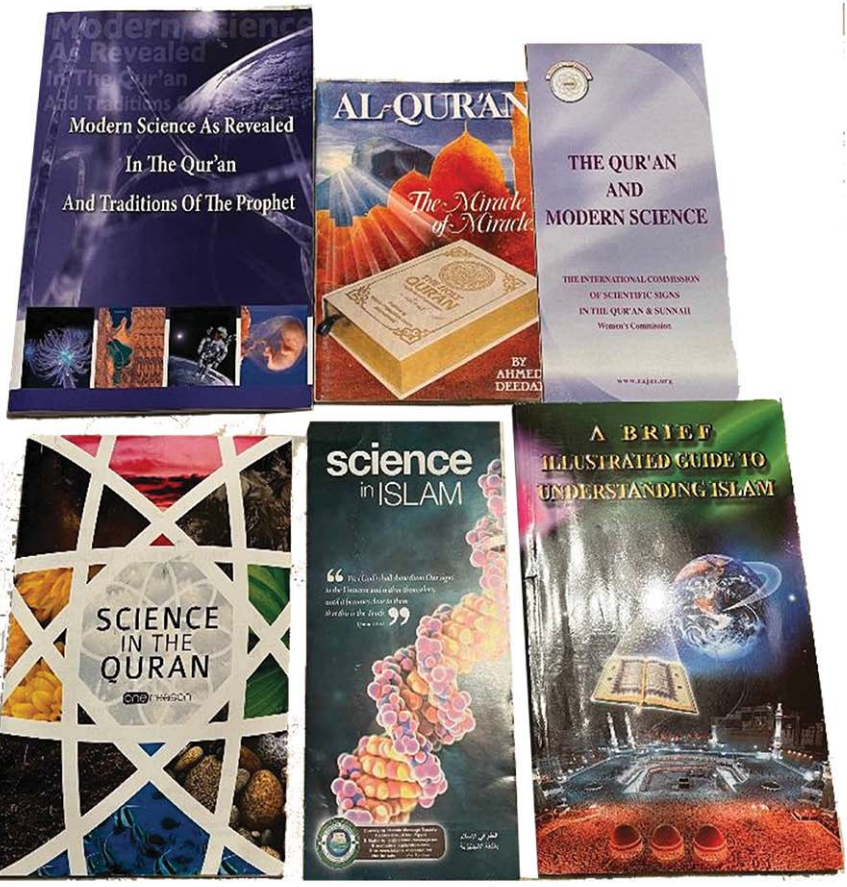
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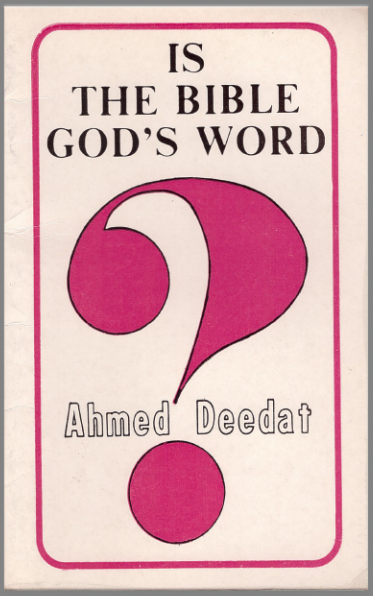
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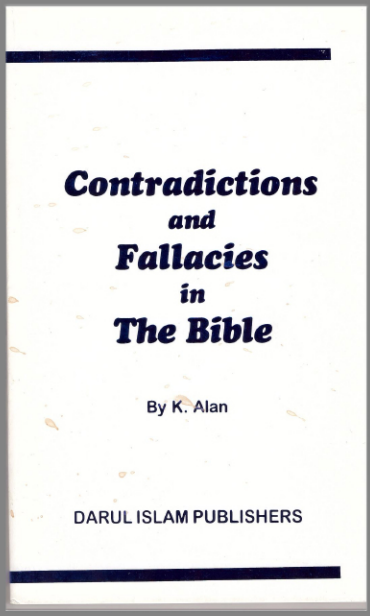
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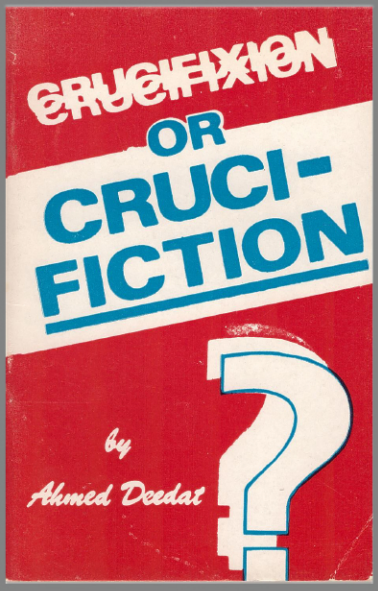
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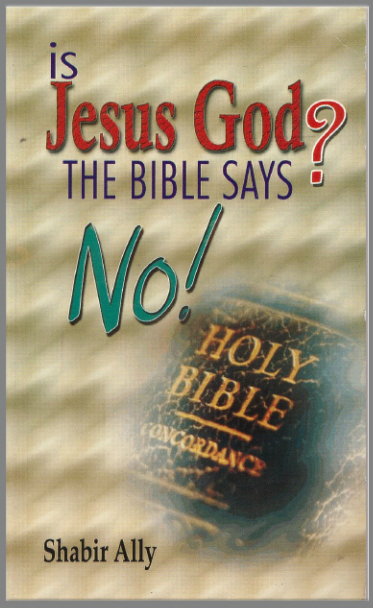
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