

# Elimination of the Structural Failure and the Placement of Chemical Explosives Options, for the Infrasonic Weapon Option as the Cause of the Synagogue (SCOAN) Building Collapse

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**Abstract:** *On the 12<sup>th</sup> of September 2014, a guest complex of 6 storeys on the premises of the Synagogue church of all Nations (SCOAN) located at Ikotun in Lagos State South West Nigeria suddenly collapsed. The collapse was captured on closed circuit camera from 2 different angles. Different postulations have been put forward as to the cause of collapse including Structural failure and explosives attack in an act of sabotage. However having analyzed the CCTV footage and personally visiting the scene and made critical observations. I am convinced of an entirely new cause of collapse, which is, an exotic kind of weapon employing the infrasonic characteristic was used to cause the collapse of the building.*

**Keywords:** CCTV footage, Infrasound, SCOAN, Infrasonic Weapon, Frequency, Resonance and Infrasonic Generator

## 1. Introduction

On the 12<sup>th</sup> of September 2014, a six story building suddenly collapsed in the premises of the Synagogue Church Of All Nations (SCOAN) located in Ikotun in Lagos state south west Nigeria. Many casualties were recorded, affecting mostly visiting South Africans who came to worship at the church. The death toll was so high that, the South African government got involved, visaviz the investigations as to why the building collapsed. Various reasons have been postulated as to why the building collapsed. This has also led to the Lagos state government to set up a judicial investigating panel, to find out the true cause of the collapse. Both the church and the Lagos state government has put forward different reason as to the cause of the collapse of the building.

The Lagos state government has been pushing the reason for collapse to be due to poor construction standards used by the church Engineers to construct the building. While the church has alluded the collapse to a terror attack/ sabotage by explosives and controlled demolition. Having looked at all the reasons adduced and personally visited the scene of the collapse and analyzed the video footage of the preceding moments, before the collapse of the structure [1] It was deduced that the collapse resulted from a high energy infrasound absorption by the building leading to a high energy resonance of the constituents' atoms of the building.

This is even more accurate based on the fact that all other options being put forward were eliminated scientifically, creating what appears to be a mystery( due to limited knowledge ) surrounding the collapse of the building. The Structural failure option cannot hold scientifically because, upon inspection of the foundation of the building, it was observed that the foundation columns are still intact, with no stress or cracks on the steel and concrete pillars protruding from the earth. This was also confirmed by the laboratory tests done by the Lagos state Materials Testing Laboratory.

And the CCTV footage showed a collapse that is not consistent with other known buildings that has collapsed as a result of structural failure. The controlled Demolition/placement of explosives cannot also hold because when the word controlled demolition is used, it elicits a set of known protocols which cannot be executed clandestinely. And analysis of the video footage of the collapse indicated the absence of any chemical explosives, due to the absence of a thermal shock wave and its attendant sudden rise in temperature. As evident in the absence of carbonization from expected combustion and burning of the structure and surrounding buildings and Tents [2] Consequently I am 100% certain that sample taken from the debris for chemical explosives residue analysis will return NEGATIVE.

## 2. Infrasound

Infrasound, sometimes referred to as low-frequency sound, is sound that is lower in frequency than 20 Hertz or cycles per second [3] Hearing becomes gradually less sensitive as frequency decreases, so for humans to perceive infrasound, the sound pressure must be sufficiently high. The ear is the primary organ for sensing infrasound, but at higher intensities it is possible to feel infrasound vibrations in various parts of the body. The study of such sound waves is referred to as INFRASONICS, covering sounds beneath 20 Hz down to 0.001 Hz. This frequency range is utilized for monitoring earthquakes, charting rock and petroleum formations below the earth, and also to study the mechanics of the heart. Infrasound is characterized by an ability to cover long distances and get around obstacles with little loss of energy and intensity [3]

One of the pioneers in infrasonic research was French scientist Vladimir Gavreau. His interest in infrasonic waves first came about in his laboratory during the 1960s, when he and his laboratory assistants experienced pain in the ear drums and shaking laboratory equipment, but no audible

sound was picked up on his microphones. He concluded it was infrasound caused by a large fan and duct system and soon got to work preparing tests in the laboratories [3]

The possibility of a device that produces frequency that causes vibration of the eyeballs — and therefore distortion of vision — was apparently confirmed by the work of engineer Vic Tandy while attempting to demystify a “haunting phenomena” in his laboratory in Coventry England. It was characterized by a feeling of extreme discomfort and vague glimpses of a grey apparition. It was found that a newly installed extractor fan that, Tandy found, was generating infrasound of 18.9 Hz, 0.3 Hz, and 9 Hz [3]

In Military application, infrasound is being exploited for its weapon capabilities and was used by the Allies of World War I to locate artillery. When sound of any characteristic is being explored or deployed as a weapon to incapacitate, injure, kill or destroy, such a weapon is called an ACOUSTIC or SONIC weapon. In this case the infrasound properties are being deployed as an infrasonic weapon [4]

Infrasonic weapons produce both psychological and physical effects. They include highly directional devices which can transmit painful audible sound into an individual’s ear at great distances and infrasonic generators which can shoot acoustic projectiles hundreds of meters causing a blunt impact upon a target. Infrasonic generators can cause negative emotions such as fear, anxiety, or depression, as well as biological symptoms like nausea, vomiting, organ damage, burns, or death—depending on the frequency and power level. Most of these weapons function between the frequency range of about 0.001 Hz to 30 KHz. These frequencies occur within the following waves: Extremely Low Frequency (ELF) 0.001 Hz to 30 Hz, Super Low Frequency (SLF) 30 Hz to 300 Hz, Ultra Low Frequency (ULF) 300 Hz to 3 kHz, and Very Low Frequency (VLF) 3 kHz to 30 kHz.[5]

High-intensity low-frequency sound may cause other organs to resonate, causing a number of physiological results, possibly including death. Acoustic weapons pose the hazard of being indiscriminate weapons, potentially imposing the same damage on friendly forces and noncombatants as on enemy combatants or other targets. Infrasound would be a powerful ultralow frequency (ULF) weapon that could be directional and tunable, penetrating buildings and vehicles. High Intensity infrasound could induce disorientation and reduced sensory motor functions. At higher levels of intensity, experiments have shown that animals may cease breathing temporarily. Diference Tones are more sophisticated arrays that project a sound to a specific location. The resulting sound can only be heard at that particular location as the result of interference patterns created by the interaction of sounds transmitted from multiple remote generators. A more potent weapon under development in Russia since the early 1990s is a high powered very low frequency (VLF) modulator. Operating at frequencies below 20 KHz, the device requires a 1-2 meter dish to project a so-called "acoustic bullet." The device was attractive because the power level is adjustable. At low power, the system would cause physical discomfort, while increasing the power could induce nausea, vomiting and

abdominal pains. The highest levels can cause a person's bones to resonate, which can be quite painful.

### 3. Resonance

To understand how sound can become a deadly weapon of destruction; a review of the resonance principle was looked at. All of the chemical reactions in the cells of living organisms or in non living materials at the atomic level are caused by the electromagnetic oscillations, pulsations, and vibrations, which are collectively referred to as vibrational frequencies. All physical matter is vibrating at its own vibrational frequency.

Resonance occurs when a connection is made between a source and a target which are vibrating at the same frequency. When this happens, the materials become joined and are said to be resonating. Once resonance has been achieved, an energy exchange takes place on the surface of the membrane of each cell or atom. If the source of energy is more powerful, it directly impacts the targeted material resulting in a biological reaction or in this case a physical one. Resonance can be induced electromagnetically by an infrasonic pulse generator, which can establish a link, for instance, to a building like that of SCOAN that collapsed. Once this connection occurs, the power level of the generator can be increased, which would automatically transfer the energy to the building. If the power or intensity level is high or very high, the building can suffer a crumbling collapse.

Infrasonic and ultrasonic generators, also called emitters, and VLF modulators, are weaponized devices consisting of a directional antenna dish, or specially designed generators which can send acoustic pulses to a general or a specific area. In 1972 France was using infrasonic generators which operated at 7 Hz on its civilian population. And by 1973 the Squawk Box was used by the British Army in Northern Ireland. It was a directional weapon that could target specific individuals by producing audible sound at about 16 kHz, which turned into infrasound at 2 Hz when it coupled with the ears. In the early 1990s Russia had developed a 10 Hz VLF modulator capable of targeting individuals over hundreds of meters, causing pain, nausea, and vomiting. It was adjustable up to lethal levels. Since as far back as 1997, the US DOD has had an interest in creating generators in the infrasonic and ultrasonic ranges of 7 Hz and 20-35 kHz, respectively, which can cause these effects [6]

As at today, infrasonic weapons research has gone deeper underground which is inversely proportional to the advances made in production and testing with the consequent destruction like the type seen at the Synagogue Church of All Nations (SCOAN) building collapse.

### 4. Conclusion

As it is, it can be concluded scientifically that there was no explosives in the building when it collapsed upon the post blast analysis done. It can also be true to safely say the said building didn’t come down as a result of structural failure. Because its collapse was not consistent with known cases of

building collapsing structurally. Coupled with the fact that the foundational pillars showed no sign of stress so far.

So, what caused the building to collapse? It's been known that Sonic and infrasonic weapons exist long before now as shown from the above literature. And it's also known in the weapons research community that certain Nations had taken it to the next level [6] How high that level is I do not know, but certainly our science tells us that infrasound weaponized with high enough intensity can cause vibrations to structures at the atomic level causing the kind of destruction we saw happened at the SCOAN premises.

## References

- [1] Sudden Collapse, Uploaded video, at [http://youtu.be/pDz\\_Ym-20C8](http://youtu.be/pDz_Ym-20C8)
- [2] Marshall, M. , and Oxley, J.C. (2009). EXPLOSIVES: the threats and the materials. In M. Marshall and J.C Oxley (Eds.), Aspects of EXPLOSIVES DETECTION. Elsevier B.V. Oxford UK.
- [3] Infrasound. (2013) Accessed December 10. Retrieved from . <http://en.wikipedia.org/wiki/Infrasound>
- [4] Sonic Weapon. (2013) Accessed December 10. Retrieved from [http://en.wikipedia.org/wiki/Sonic\\_weapon](http://en.wikipedia.org/wiki/Sonic_weapon)
- [5] Sonic Weapons. (2014) Accessed August 14. Retrieved from [http:// www.newworldwar.org](http://www.newworldwar.org)
- [6] Acoustic Weapons. (2015) Accessed January 5. Retrieved from <http://www.globalsecurity.org>