

Conspiracy Theories, Myths, Skepticism, and 9/11: their Impact on Democracy

Abstract: A discussion of conspiracy theories, myths and skepticism is presented. The importance of skepticism in a society in which myths may be deliberately created by authorities to manipulate the public is stressed. A range of methods of avoiding acceptance of myths, including application of the scientific method, is demonstrated using the events of 9/11. A clear understanding of events, unclouded by myths, is essential for the proper functioning of a democracy.

Key words: conspiracy, myth, skepticism, 9/11, democracy, propaganda, thermite, trans fats, cholesterol, PNAC, NIST, FEMA, EPA, Orwell

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I recently attended a meeting of the WA branch of the Australian Skeptics, where I had previously given a talk on the terrible event that has come to be known as 9/11: the attack on the World Trade Centre and the Pentagon using hijacked aircraft. I found to my surprise that one of the members was giving a talk on the subject of conspiracy theories and why we should be very skeptical of them, using material from my talk for illustrations. His interesting talk has given me some valuable insights into the pitfalls in the way we process information and how to avoid them. The speaker, Dr Terry Woodings, kindly provided me with his notes which I will refer to in this response.

The topic of conspiracy theories, which is closely related to myth creation, is of particular interest to me. I have been involved with fats and oils in my work and for decades I watched the debate about trans fats. The work of Dr Mary Enig, and others, clearly showed that trans fats were harmful in the diet, yet this was not taken up by the authorities to guide the public as it should have been.¹ On the contrary, powerful figures in the vegetable oil industry conspired to have this work suppressed.² The myth created was that vegetable oils were healthier than animal fats, but this was far from the truth as most processed vegetable oil contains trans fats. I believe this has been the most devastating medical myth that has impacted modern civilization. Harvard University has published findings showing that tens of thousands of premature deaths have been occurring annually due to trans fats consumption in the USA alone.³ Resistance to change has been extraordinary: not until 2006 was any regulatory pressure applied to manufacturers in the USA to lower the trans content of dietary fats and oils.³

In a similar way it now appears that the belief that high serum cholesterol levels are harmful may also be a myth, supported by drug manufacturers conspiring with the Food and Drug Administration (FDA), as there are papers which show that high cholesterol levels are usually associated with longer life.⁴ It seems only males in mid life show an association between high cholesterol and heart disease. The alternative explanation for this is that these males are more stressed and the known association between stress and heart disease could be over-riding the benefit of high cholesterol. There appears to be little awareness of side effects, sometimes irreversible, which may occur, including muscle damage and memory loss, if statin drugs are taken to reduce cholesterol.⁵ Clearly this is an area that needs to be studied unemotionally. There are reports that in some cases the conclusion of a paper is at variance with the body of the same paper.⁶ Fear of losing research funding may be inducing some fraud in designing or reporting trials. A peer

reviewed journal is apparently not always a guarantee of truth in the medical world. A growing number of scientists are now challenging the official cholesterol theory.⁷

Bearing in mind that heart disease was very rare before the rise of the vegetable oil industry one suspects that we will eventually learn that the advice to avoid saturated fats, including animal fats, is also based on myth, despite its present almost universal acceptance.⁷

It has been my experience that most people, when shown evidence which is contrary to the advice “*animal fats should be avoided*”, “*high cholesterol requires drug treatment*”, and similar well established positions, base their response on their prior belief. Most of those who have no suspicion that the officially promoted position may be flawed will reject the argument out of hand. They do not seriously look at the evidence and remain comfortably unmoved. It is clear that simply providing additional evidence, no matter how soundly based, will have minimal effect. The task is to find an alternative approach.

It is self-evident that to obtain rational behaviour in a democracy it is necessary for the public to have a good understanding of events. This of course requires access to information, which is becoming easier with the internet, but information alone is not enough. There must also be critical awareness of the power of myth so that the ability to question official pronouncements can be developed. The aim of this paper is to illustrate how tools to advance this purpose may be used and I thank Dr Woodings for the ideas he presented.

In the case of 9/11 the situation is clouded by the existence of contradictory theories, only one of which is supported by the mainstream media. The phrase “conspiracy theory” is widely used to ridicule those who dispute the official explanation, but logically the official explanation is also a conspiracy theory. These theories will be compared.

Questioning conspiracy theories

It is of course right and proper to question all new theories, especially if they involve conspiracy, which by definition includes something illegal. Dr Woodings lists five defences against being taken in by false theories: **Occam’s Razor, common sense, who benefits, consistency, and the scientific method**. To this list I will add another defence, checking for **deficiencies**, and will show that there are some that are substantial. I will first deal with Occam’s Razor. This notion is persuasive but it is of course by no means conclusive - there are occasions in life when the simplest explanation is not correct.

In this article I will not be listing grounds for believing that all three buildings at the World Trade Centre which collapsed were felled by controlled demolition. Many peer reviewed papers on this subject may be found in the Journal of 9/11 Studies:

<http://journalof911studies.com/>

What I will do instead is show how the above defences may be applied to specific items of information with the aim of inducing healthy skepticism of the official position. Once that is achieved appropriate conclusions should follow automatically.

Occam’s Razor

Professor Woodings points out that Occam’s Razor would have us accept, because it is simple, the official theory:

19 fanatics, who hate the freedoms of the USA, hijacked aircraft and flew them into the towers, which collapsed due to impact damage and fire.

Yes, it is simple and does not require the admitted complexity of secretly installing explosives in the buildings and detonating them in a precise sequence. But what about the complexity of ensuring that the Federal Bureau of Investigation (FBI) field staff warnings of Saudis learning to fly big jets, but not learning how to land, did not reach superiors?⁸ How about the complexity of ensuring that war games would be held on the right day by the Air Force and that they would include the simulated hijacking of aircraft, and flying them into buildings?⁹ How did they manage to get false blips inserted into the radar screens of civilian air traffic controllers, which seriously confused them when the real hijackings occurred?⁹ Surely the planners of the war games would only need the false blips on the screens of those military controllers whose skills were being tested.

Civilian controllers are responsible for the lives of thousands of passengers - surely any suggestion that they should be burdened with misleading data would have been curtly rejected. How did Osama bin Laden manage to influence the minds of authorities so that this terribly dangerous component of the war game was permitted? The mere fact that equipment exists to insert signals for non-existent aircraft onto civilian air traffic controller's screens is astonishing and deserving of scrutiny to discover who authorized and financed the installation. This equipment could not have been simple.

Complexity becomes apparent wherever you look. How was the National Transport Safety Board persuaded to give up its legislated role as investigator of aircraft crashes and why are there continuing concerns about the information they supply?¹⁰ Where is the wreckage of the planes? How were the police persuaded to give up their role as guardians of forensic evidence and instead facilitate the quick removal of the steel? Why was the steel sold overseas at less than local prices?¹¹ Where are the samples of steel and debris? Where are the many tapes showing what hit the Pentagon? Where are the thousands of photographs and videos of the burning and falling towers, handed to the authorities by well-meaning members of the public and now kept hidden? Why should this information not be readily available to researchers and the general public? Does not this rapid removal of evidence and wide blanket of secrecy, reaching to all corners of the investigation, constitute prima facie evidence of a cover-up? Why would there be a cover-up if there was nothing to hide?

How was the Environmental Protection Authority (EPA) persuaded to falsify its reports on air quality immediately after 9/11 which allowed business to resume quickly? Given the high moral fibre of the type of person who would choose to work for the EPA that would have taken some doing. The courageous whistle blower Dr Cate Jenkins provides information on this tragic deception which is still costing lives today:
<http://journalof911studies.com/volume/200704/DrJenkinsRequestsSenateInvestigationOnWTCdust.pdf>

How was it arranged that the investigations into insider trading on the stock exchange over 9/11 would be aborted?¹² How could those who traded be so sure, in advance, that the investigations would fail that they would risk prosecution for treason for mere monetary gain? It could not have been al Qaeda who did the trades because to do so in the face of the many warnings⁸ that an attack was imminent would have given away not only the approximate time of the attack but also the specific airlines to provide with surveillance and would have created a risk of failure far too high to be acceptable by any rational organizer. If not al Qaeda, who was it?

Conversely it may not have been too complex to have explosives inserted in the buildings as Marvin Bush, brother of George W Bush, had been on the board of directors during 2000, of the company that was providing security, and his cousin Wirt Walker III was CEO on 11th Sept.¹³ This company, Securacom, also provided security at Dulles International Airport from which American Airlines Flight 77 departed.

Each of the above complexities may not carry much weight with Occam's Razor but taken together they should arouse sufficient doubt to call for a new investigation. There is however one example of complexity which is extreme. It has to do with Building 7. The collapse of this building has all the appearance of a controlled demolition, as can be seen here: http://www.911research.com/wtc/evidence/videos/docs/wtc7_collapse2.mpg

This building was not hit by a plane and the official explanation is that it was brought down by the effects of severe fire. That is the conclusion of the report of the Federal Emergency Management Agency (FEMA). Skepticism is initially aroused on reading the body of the report where one reads, in chapter 5, that "...the best hypothesis has only a low probability of occurrence. Further research, investigation, and analyses are needed to resolve this issue."¹⁴

One would therefore expect that the next investigation, carried out by the National Institute of Standards and Technology (NIST), after intense pressure on the government from the relatives of those killed, would look further into Building 7. Probably they did but they made no mention of it in their report, so the level of skepticism must rise another notch. After further intense pressure to explain Building 7 NIST, apparently finding themselves unequal to the task, let a contract with a private firm to find the cause of the collapse.¹⁵ We are still waiting for the report. It appears that preparing an explanation of how the building fell due to fire must be extraordinarily complex – so complex that years go by and they still can't work it out! Occam's Razor clearly urges us to abandon belief in the official theory.

This building, unlike the Twin Towers, collapsed straight down from the bottom up, as in a conventional expert demolition. The collapse occurred in no more than 6.5 seconds while a steel beam dropped from the roof would have taken 6.0 seconds. If one wished to achieve that effect and be quite certain that the building would not just burn for hours and stubbornly remain standing, as all other burning steel framed buildings have done, before and since that day, what would be the simplest way to do it?

Common Sense

I have written a short paper titled *9/11 – The Twin Towers and Common Sense* which provides a diagram and asks the reader to consider whether the top of a tall building would fall right through the substantial bottom of the building at close to the same speed as if it had been moved to the side by a crane and dropped through air. <http://journalof911studies.com/letters/g/CraneAndCommonSenseByFrankLegge.pdf>

Although this paper was intended to be only a trivial gateway into the idea of explosives I have been surprised to find that it has produced more positive responses than the scientific study of the observed downward acceleration of the roof.¹⁶ It appears that many people find common sense dictates that material falling through the cold steel and concrete of a solid, undamaged portion of a building would fall much slower than if falling through air.

The author George Orwell in *Nineteen Eighty-Four* has his main character describe how he is battling to uphold belief in his own knowledge against the bombardment of re-written history. In the society where he lives the "heresy of heresies is common sense". After

working thoughtfully through his doubts he recovers his composure and asserts that “The solid world exists, its laws do not change. Stones are hard, water is wet, and **objects unsupported fall...**”. Orwell could hardly have expected these words to be so specifically relevant today. One wonders whether those who refuse to consider evidence for the hypothesis that support was removed by explosive demolition are not already under the spell of Big Brother and re-written history.

For those who doubt that authorities re-write history a glance at this very recent report may be of interest. It describes the burning of school books in Indonesia, a supposedly democratic country:

<http://www.brisbanetimes.com.au/news/world/indonesian-academics-fight-burning-of-books-on-1965-coup/2007/08/08/1186530448353.html>

Are there multiple independent witnesses? Yes, scores of firefighters described hearing, seeing or feeling explosions.¹⁷ The fact that these testimonies were at first kept secret, and only released after FOI action, is grounds for skepticism about the honesty and true intentions of the authorities.¹⁸

There is little more that can be said about common sense. It is a very individual thing – some will see things one way, some another – but once common sense arouses suspicion the responsible thing to do is to move on to substantial research.

Who Benefits?

This question should be worth pursuing at considerable length but difficulty arises immediately. Who is al Qaeda? Some say it was originally the name given to a data-base of people who could be called upon for various clandestine activities and who eventually were organized to drive the Soviet invaders from Afghanistan.¹⁹ Did they benefit from 9/11 and the predictable bombing and invasion which followed? The high civilian casualty rate in Afghanistan must be causing them considerable anguish.²⁰

Al Qaeda, originally supportive of the US, and provided with materials such as surface-to-air missiles by the Central Intelligence Agency (CIA), marshaled an army of Jihadists from places with Moslem communities such as Malaysia and Pakistan. They succeeded, as we know, in making life too hard for the Soviet invaders, people they understood to be godless communists. This was approved by the Western world. What has become of these people? Were they still working with the CIA at the time or had the heavy handed imperialism of the US turned them away? Had they perhaps become divided, some becoming intensely opposed to the godless capitalists of the West while others still worked for the CIA?

What about the leader of this force which drove out the Soviets, Osama bin Laden? If a division had occurred, which side would he have chosen? He appears to be supportive of Jihad against the West but there are strong business links between the Bush and bin Laden families.²¹ In the days following 9/11 many Saudis, including several of Osama's relatives, were given transport from America to Saudi Arabia for their safety.²² His brother, Shafiq, was at a meeting the day before 9/11 in New York, which was attended also by the president's father, George H W Bush.²³ One wonders how far the family connection influences events.

Why has Osama himself not been captured? He was offered by the Taliban to the US if they could prove he was involved.²⁴ Was the US unable to provide evidence or did it not wish to do so, preferring invasion?

Immediately after 9/11 a message was relayed by al Jazeera from bin Laden in which he denied having anything to do with the attack.²⁵ Al Jazeera also showed a video in which he placed the attack in the context of a response to the harassment of Islamic people by Israel and America. He also gave a long interview in which he again said that he was not involved and also made it clear that he was not against the American people, but against their government system and that of Israel.²⁶ This was followed by release of the “confession” video, said to have been found on the 9th of December in Jalalabad, in which he appears to claim that he was involved in the planning. There is however a problem with this video: the face of the speaker does not correspond well with the known features of bin Laden and has been regarded by many as a fake.²⁷ It is curious that the CNN report of this video blanks out the speaker’s face.²⁸ Why would they do that? Some students of this event assert that the video is genuine and make a strong case that it came from a sting operation by the US and that the proportions of the speaker’s face have been distorted in the copying process.²⁹ In this view the US wanted evidence of the involvement of bin Laden merely to have a pretext to invade Afghanistan and purposefully avoided capturing him as this would have destroyed the case for invasion.

So what are we to believe? Clearly there is a tangled web which resists analysis by people such as ourselves, with limited access to information and handicapped by official dishonesty and apparent media complicity.

What we do know however is that the events of 9/11 were used by the Bush administration to mobilize public support, both for their re-election and for the invasion of Afghanistan. We also know that the invasion was in accord with their imperialist goals as set out in the Project for a New American Century (PNAC). These papers call for a great increase in military spending, the establishment of bases in the Middle East, and the development of overwhelming military superiority, such that multiple wars could be fought and won simultaneously. In one of these papers there was the lament that progress would be slow without another Pearl Harbour. Was this a call for action? Most of the members of PNAC, including founder Dick Cheney, moved to executive positions in the Bush administration. Three however have not fared too well in recent times, having fallen foul of the law or having been found short in performance: Rumsfeld, Libby and Wolfowitz.

The fact that the US had grown tired of negotiating for rights to build a pipeline across Afghanistan and wanted to take control of the country even before 9/11 is implied by a statement to the Taliban a month earlier: “Either you accept our offer of a carpet of gold or we bury you under a carpet of bombs.”³⁰ The following link provides a detailed analysis of relevant material, often ignored or forgotten, including a discussion of PNAC:
<http://www.afterdowningstreet.org/?q=node/25439>

It has been argued that there would have been no need for explosives in the towers as the plane impacts would have been sufficient to mobilize the desired public support for the invasion of Afghanistan. This may be true, but what about the other goal, winning the next election, the mid-term in 2002? It is reasonable to believe that the risk of losing this election would have been assessed as high and a search would have been made for ways to enhance support. The complete collapse of the towers, and the ensuing substantial loss of life, would certainly have enhanced the effect of the plane attack in the public mind. The severity of the attack would also have augmented the fear of weapons of mass destruction that was later used to prepare the public for the invasion of Iraq. The prophetic words of Michael C Ruppert, after the election, about America invading Iraq, and the price it would pay, make interesting reading today.³¹

As it turned out the election was very close which supports the view that without explosives the Republicans would have lost. The Republicans won however and the plans of the PNAC group remained in force. Given the close association of the PNAC group and the Republican administration it is clear that the idea that “some part of the US administration was involved in 9/11” easily passes the test of “who benefits”.

There were of course other beneficiaries. The towers were not a good business proposition as they were outdated and, as a result, there were many vacancies. The towers also faced enormous expenditure for the removal of asbestos. The best utilization of the land required demolition but this would have been prohibitively expensive as it would have involved dismantling the buildings from the top down. A conventional explosive demolition would not have been approved for two reasons. Firstly the asbestos content of the buildings would have produced an unacceptable hazard for the public. Secondly the buildings were so tall and slender that it would have been impossible to provide surety that they would not topple over. If this had happened it would have caused immense loss of property and life in the neighbourhood. By demolishing the towers with explosives from the top down the danger of toppling over was removed. The new leaseholder of the towers, Larry Silverstein’s company, had taken out an insurance policy that was unusual in that it covered terrorist attack. They certainly benefited. Although there is still some legal wrangling going on they have already received most of their insurance payout, and taxpayers have cleaned up the mess. http://www.infowars.com/articles/sept11/secret_to_911_insurance_battle.htm The link above contains the following interesting observation: “Any building that was not owned by Silverstein Properties that day strangely remained upright, despite being a lot closer [than building 7] to the two towers that collapsed onto them.”

Manufacturers of military equipment have benefited handsomely from the resulting wars and no doubt were happy to provide campaign funding for the Republicans.

The US, which has not renounced the policy of “first strike” or the use of nuclear weapons, has not attacked Iran yet but is threatening to do so.³² It is reasonable to believe that if Iran is attacked the war will go badly, as the military is already over-stretched. If the war goes badly it is reasonable to fear that, to avoid failure, nuclear weapons will be used. The result would be a catastrophe on a scale hard to imagine. Hatred of the West by the Moslem world would persist for centuries. The ordinary people would not accept that risk but it appears that Cheney and Bush are more than willing to do so. This appears to be a case of striving to maintain power regardless of cost. Is that a form of madness? A psychological study indicating substantial risk derived from a fear of failure has recently been published: <http://www.opednews.com/maxwrite/linkframe.php?linkid=39364>

Inconsistencies

In addition to the concepts above there are a great many inconsistencies in the official reports that cause skepticism. We have seen one already: the conclusion of the FEMA report is not in accord with the body of the report.

A similar problem is found in the far more substantial NIST report. This report, like the FEMA report, concludes that the high temperature of the steel was the main factor in the collapse of the towers, yet it states that of the many samples of steel they examined only about 2% were found which had exceeded 250° C. At that temperature there would be no possibility of collapse – half the columns could be destroyed and the towers would still stand! They confirmed the relevance of their tests by pointing out that the steel they sampled for examination came from the fire damaged area.³³

One begins to see a pattern emerging: the reports are long and most people, including journalists, will not read through them so **the authors can construct a myth in the report conclusions**. Challengers will be so few that those who do challenge will be in a small minority and can safely be labeled as irresponsible conspiracy theorists. These people will be ignored by the mainstream media who will simply further establish the myth by repetition.

It is inconsistent with the abilities of modern forensic science that identification of the remains of the victims of 9/11 had such a poor success rate: over 1000 victims were never identified and one victim was so fragmented as to be identified over 200 times.³⁴ Surely if the buildings collapsed under their own weight virtually every victim, though crushed, would have been identifiable by DNA analysis, as has been achieved in aircraft crashes.³⁵ The fact that human remains and bone fragments were propelled into the Deutsche Bank Building, and onto its roof, is similarly not consistent with a crushing gravity collapse.³⁶

There are inconsistencies relating to the collapse simulation. In the NIST report it is accepted that the aluminium fuselage and wings of the planes, though having ample mass and velocity, would not have had the rigidity to sever the core columns, but the motors could have done so. A calculation is reported which shows that a motor would have just enough energy to cause one column of the core structure to fail if it impacted squarely. See page 382 of this report: http://wtc.nist.gov/NISTNCSTAR1-2B_Chaps9-11.pdf

When NIST first ran the computer simulation of the event they found that the towers did not collapse. They then adjusted the number of columns damaged till collapse was achieved. In the case of the south tower they adjusted the number of severed columns over the range from 3 to 10 for various trials, finally settling on 10, but we know the plane had only two motors, one of which missed the core entirely!³⁷

A more complete study of the flaws of the NIST report can be found here: <http://journalof911studies.com/volume/200612/NIST-WTC-Investigation.pdf>

These inconsistencies are not trivial. Reinvestigation is the only ethical course.

Deficiencies

In any event, if one is setting up a model to test whether a particular agent may have caused an observed effect, it is not proper to adjust parameters until the effect is obtained. That would lead to the circular argument fallacy. The appropriate procedure would have been for NIST to set up the model as best it could, then simply see whether it resulted in collapse. If it did not it would have been proper to conclude that the experiment pointed away from fire as the probable cause of collapse. At this point the logical next step would have been to cast the net wide for alternative explanations to examine and compare. That is normal investigative behaviour, but it was not done. Given that the collapse of Building 7 looks exactly like a conventional demolition in all respects, to exclude this possibility at the outset is anything but scientific. At the least it is stupid and at the worst it is criminal.

Perhaps, if the investigators did not fully understand the significance of their actions, they could initially have been described, with a deal of generosity, as ignorant and negligent. However as evidence strongly supporting the demolition theory was long ago published it is totally unacceptable that NIST has not come forward with a revision of its report. Such a revision would have to show that they had carefully considered all the evidence, point by point, and explain why they thought fire matched the observations better than explosives, if indeed they could still do so. A correction has been called for under the Data Quality Act

but has so far been ignored. The application for correction may be viewed here:
<http://journalof911studies.com/volume/200704/RFCtoNISTbyMcIlvaineDoyleJonesRyanGageSTJ.pdf>

A fundamental deficiency of the NIST explanation for the collapse of both towers is its failure to take the simulation past the point where the towers were said to be “on the point of collapse”. The authors assert that, once at this point, collapse would be inevitable. Logically this is an inexcusable omission as there is no proof that the simulation so far was not in error. To carry the simulation through the collapse stage would provide some reason to believe that if collapse had started it might have continued to completion. The authors of the report merely wave their hands over this issue but if one thinks about the towers at this moment doubts arise for the following reasons:

Firstly, steel softens slowly as it is heated so the collapse should initially have been slow and it does not seem likely that a severe impact between the sagging upper part and the lower stationary part would occur.

Secondly, the upper part had been heated by the fire, said to have been very hot, hot enough to cause rapid collapse according to the NIST report, so why was it not the upper part rather than the still cold lower part that gave way? By the laws of physics both the upper and lower part would have experienced exactly the same impact. Why didn't a stack of hot floors from the upper section build up on the cold lower portion as the upper part settled down? The mass of the falling section would have reduced as each floor was added to the stack until the point was reached where there would not be enough mass falling to cause further collapse. The expected outcome would therefore be that a number of storeys would be compressed above the plane impact region, then motion would cease, with some storeys remaining undamaged at the top.

Although this is clearly more probable than the official sequence it is of course not intended to be an exact description of what should have happened. It is just a logical alternative presented to show that there is good reason to be skeptical of the official explanation in the absence of a complete simulation that shows that collapse, if it commenced, would have continued right to the ground in the observed manner.

Others have attempted to simulate the collapse and in one case a collapse was demonstrated. There is a problem with this simulation however. The authors, LU Xinzheng & [JIANG Jianjing](#), believed at the outset that fire had caused the collapse and so felt it was permissible to set the parameters of steel temperature of the upper part very high, 700° C, and steel ductility of the cold lower part very low, in order to achieve the collapse. Under these conditions the upper part would be very soft and the cold lower part very brittle. We know from the NIST report and other sources however, that the temperature of the upper part was far lower than these authors set, and the steel was not abnormally brittle. This work therefore provides compelling evidence that the collapse should not have occurred.
http://www.luxinzheng.net/publications/english_WTC.htm

Similarly Engineer Gordon Ross provides calculations which show that, even if the initial loss of support had been sudden, the impact would have been absorbed by the elastic and plastic deformation of the steel and the collapse would have come to a halt.
http://journalof911studies.com/articles/Journal_5_PTransferRoss.pdf

It is clear that there is a substantial body of evidence which weakens or contradicts the official explanation for the collapse. The degree of skepticism that this generates should

already be more than enough to call for an independent investigation of alternatives. There is good reason to suspect that NIST did not publish a simulation which included the collapse stage simply because they tried it and found that collapse would not have continued through the lower, cold portion of the buildings. If they were under pressure to remain in support of the official explanation, and wished to comply, they would have had no option but to keep silent about this essential component of the task they had been given.

The Scientific Method

Definitions of the scientific method are varied and sometimes complex. A minimal definition would be that it is a technique for advancing knowledge by creating hypotheses to explain observations, performing tests attempting to prove the hypotheses wrong, and provisionally retaining only those hypotheses which survive.

The essential component of all valid definitions is that the process must include testing and that any hypothesis proved wrong must be discarded. Let us look at some of the hypotheses which have been proposed about 9/11.

Gordon Ross provides an interesting case, as already mentioned. He proposed that the towers would not have collapsed even if an entire storey had suddenly disappeared and the top had fallen freely down upon the stationary lower portion. He provides calculations to show that the elastic and plastic deformation of the structure would absorb the impact energy and not over stress the structure below, hence the collapse would go no further. He was challenged by Dr Frank Greening who claimed that he had worked with some wrong estimates, the most serious of which was the number of storeys which would share the absorption of the impact energy.

Ross chose an intriguing way to respond. Instead of arguing with Greening about the number of storeys which would share the impact he simply took Greening's much lower estimate of the number of storeys involved, and his other adjustments, and repeated the calculation. Again he found that the collapse would not continue, so his claim appears robust. Ross has so far not been proved wrong. His work has been on display for over a year and his hypothesis must be regarded as provisionally standing.³⁸

http://journalof911studies.com/articles/Article_3_RossReply.pdf

Professor Kenneth Kuttler, mathematician, has provided a different approach in which he ignores the strength of the structural steel altogether and allows the building to fall simply by gravity, slowed only by the inertia of each floor. The floors are assumed to be suspended in space till struck by the floor above. His hypothesis is that, even with this odd fragility, the collapse would still have taken longer than the observed time and therefore something must have been operating to move material out of the way. These calculations are based on one of the immutable laws of physics, the conservation of momentum, and unlike Gordon Ross's calculations, are relatively simple. It would be easy for someone with a reasonable grasp of high school mathematics to refute this hypothesis, if wrong.

Kuttler calculates fall times making various assumptions about the mass of material which fell outside the structure, and thus would be lost to the impact, and also about the extent of pulverization of the concrete. The lowest fall times his model produced were 12.2 seconds or 13.1 seconds, depending on the order in which the storeys were assumed to collapse. These are significantly longer than the fall time obtained by extrapolation of the initial observed acceleration, 10.5 seconds.³⁹

To obtain these short fall times Kuttler had to assume that no mass fell outside the tower footprint and that no concrete was pulverized, which obviously was not the case - videos show that a substantial amount of the steel and nearly all the concrete fell outside, and most of the concrete was already pulverized when it was ejected. Without explosives energy for the pulverization would have to come from the potential energy of the building. The potential energy converts to kinetic energy as the mass falls. The pulverization energy would be drawn from the kinetic energy, which would then be insufficient to produce the observed downward acceleration and the resulting rapidity of descent. With reasonable allowances for loss of mass and consumption of energy the fall times Kuttler obtained were two or three times longer. If one then contemplates the additional fall time that would be needed if the steel columns were allowed to provide some resistance one sees that the official hypothesis, that gravity unaided could propel the top through the solid lower portion in 10 or 11 seconds, is clearly absurd. No-one has proved Kuttler's calculations incorrect and others have produced similar results, so his hypothesis still stands.
<http://journalof911studies.com/letters/ProfKuttlerWTC1CollapseTimeCalculations.pdf>

There is also the question previously referred to about the temperature reached by the structural steel. The fire was seen to flare up in places then die down and move on to other sources as the fuel was consumed. This would result in temperatures rising and falling over time. The official explanation relies critically on the supposed high temperature reached by the steel despite their finding that few samples of steel had exceeded 250° C. In developing their model for the simulation NIST says that the progression and intensity of the simulated fire corresponds well with the evidence of videos and photographs. We should thus be able to use the data derived from their simulation to work out how the steel would have performed. I have written a paper on the north tower using NIST's own data charts which clearly show that the maximum temperature in the core area was reached after about 30 to 45 minutes, and that cooling occurred thereafter. The hypothesis is that at the moment of collapse, which occurred after 102 minutes, the steel was too cold to permit initiation of the collapse. This paper has been in public hands for a year but has not been proved wrong:
http://journalof911studies.com/articles/Article_6_Pancake_theory_false_by_NIST_World_TradeCenter.pdf

Perhaps NIST overcame the difficulty which the cooling of the steel would cause to their simulation by simply ignoring it. In a question and answer session we find: "... it was assumed that above 700 °C, the column loses its load carrying capacity, and it does not regain its load carrying capacity when it cools down."⁴⁰ This is an absurd assumption.

Were any experiments done by NIST to confirm any of their assumptions? Yes, they performed some office fire tests which showed that the period of intense heating lasted from 10 to 20 minutes.⁴¹ This seems to be too brief to be consistent with the requirement to get the whole area where collapse would initiate up to the right temperature simultaneously. NIST gave no explanation as to why it was proper to ignore this negative test result. This is not responsible scientific procedure.

Taking these three papers together we have evidence that the collapse:

- could not have initiated,
- if it initiated it could not have continued,
- if it continued it could not have been as fast as observed.

To have three substantial studies, none proved wrong, which contradict the official explanation in three distinctly different and independent ways, should raise the level of skepticism to intolerable heights.

Others have commented on the discrepancies between the observed facts and the official explanation. Kevin Ryan has given a detailed analysis of the sequence of steps required to produce collapse in the official manner and how these do not fit the facts. He also describes a test carried out for NIST on floor trusses exposed to fire, an area in which he is an expert. This test showed that the trusses would have sagged much less than the amount which the official explanation relied upon. One would expect to see NIST then find an alternative explanation for the collapse or at least explain in detail why this contradictory result could be ignored, but they did neither. This is an extremely serious defect of their process and, like the above findings, is grounds for extreme skepticism.

http://journalof911studies.com/articles/Article_1_Ryan5.pdf

The alternative hypothesis

Logically, if there is just one solid scientific proof that the official theory of gravity collapse is wrong, the case is established. Above are listed not one but three such proofs, and there are numerous others. By the rules of the scientific method the official hypothesis must be discarded. It must be seen for what it is, an outrageous conspiracy theory.

It appears however that it is necessary to go further than this. It is necessary to take into account the psychology of myth creation and destruction. The media quickly set out and repeated the official story. There was the FEMA report, the 9/11 Commission report, and the NIST report all contributing to the establishment of the myth. The cost of the NIST report alone was 24 million dollars. We have no way of knowing how much money is spent daily by operatives monitoring websites and involving readers in pseudo-science to prop up the official story. There is also the mainstream media, ridiculing 9/11 truth and supporting the outrageous theory. A fortune has been paid to establish and maintain this myth, so how difficult will it be and how long will it take, to obtain a sufficiently wide public acceptance of the truth so that politicians will be forced to move?

So far this paper has dealt only with establishing evidence that the official theory is wrong and asserting, in some general way, that explosives were needed to bring down all three buildings in the observed manner. It will help overcome psychological barriers to discarding the official myth, and acceptance of the truth, if a coherent alternative theory is presented. Can this be done?

The way the facts were uncovered reads like a detective story. There were grounds for suspicion that the official theory was not quite right immediately after the towers collapsed and, as time went by, more problems arose. These had to do with the rate of collapse, as already covered, the observed high temperatures, and with the materials in the debris.

High temperatures

Very early on some people reported seeing molten metal in the basements.⁴² It is impossible for jet fuel or office fires to produce temperatures anywhere near high enough to melt steel. Supporters of the official story therefore argued that if molten metal had been present it must have been aluminium, which can reach melting point in an ordinary fire if conditions are just right. It seemed unlikely that conditions could have been so perfect and virtually impossible that the metal could have still been molten days later, after being in contact with many times its volume of cold steel. There was however much uncertainty, with proponents of the official theory saying eye witnesses can't be trusted.

The high temperatures were later confirmed when data from a USGS aerial survey were released.⁴³ This showed spot surface temperatures up to 747° C. As five days had elapsed

since the collapse this is a remarkably high temperature. Underground temperatures would have been higher. This showed that temperatures had indeed been achieved which were well above the melting point of aluminium and far too hot to have been created by office or fuel fires. The nature of the metal was still not known.

Further evidence of high temperatures was obtained which provided a valuable clue. A video was found of workers removing debris about five weeks after the collapse (*“it’s like an oven...a bright reddish-orange colour”*).⁴⁴ Photographs from the site showed solid metal which was orange to yellow hot being pulled from the debris weeks after the collapse. Yellow indicates a temperature of about 1000° C. Aluminium cannot be solid at this temperature. If the metal is not aluminium, what is it?



The next clue came from the FEMA report. In appendix C there are photographs and a description of some samples of steel beams found under Building 7.⁴⁵ The metal had been thinned to the point where holes appeared. The authors were puzzled as this phenomenon had never been seen before in debris from a burning building. They had an analysis done which found that sulphidation of the metal had occurred. They estimated that a temperature of about 1000° C would be required to do this. Steel melts at about 1500° C but if sulphur is present the melting point can be lowered to a little below 1000° C. Was the molten metal steel? For the steel to have been thinned at least some of it certainly must have melted.

At that point there were three types of evidence for temperatures far higher than ordinary fires can produce – aerial sensing, yellow hot metal and thinned steel. Two of these three were from government reports. If fires could not produce this effect, what could? The only reasonable answer is chemical reaction. Many chemical reactions produce heat and some do so to a remarkable degree. If an oxidizing reagent is used very large amounts of heat may be produced without an air supply being required. Such reactions can therefore produce very high temperatures extremely rapidly and in a confined space.

The earliest reference to chemical reaction as the source of heat for 9/11 that I have heard of was made by Mike Rivero on his website “What Really Happened” where he mentioned thermite. Dr Derrick Grimmer responded to this with a paper on the same website dated 26 Nov 2003. This paper seems to have disappeared but a version which the author says has been improved, dated 20 June 2004, can be found at the “Physics 911” site:

<http://www.physics911.net/thermite>

Thermite is a very well known material, invented in 1893 and used to weld railway lines. It has also been used to cut steel, as a weapon and by arsonists. It is used by the military to

sabotage equipment.⁴⁶ Grimmer appears to have been the first to provide calculations about the amount of thermite that would be needed to melt the massive steel columns of the WTC towers. He overestimated the amount required however because he was unaware that devices had already been patented to focus the material and heat on a narrow slice of a column. A more recent study by J Lobdill is here:

<http://journalof911studies.com/volume/200704/JLobdillThermiteChemistryWTC.pdf>

The thermite reaction is between an oxidizing agent, usually iron oxide powder, and a reducing agent, usually fine particles of aluminium. On ignition the oxygen transfers from the iron to the aluminium with the generation of a tremendous amount of heat. Aluminium oxide is released as a white powder and molten iron is produced at about 2500° C. This is remarkably hot, about 1300° C hotter than white heat, so we know that a considerable amount of the radiation will be ultra-violet. Thermite may be modified by the addition of other chemicals to achieve various effects. Addition of sulphur lowers the melting point of iron and steel and thus makes cutting of steel easier. As no gas is produced by the thermite reaction it is not an explosive but an incendiary. If made with very fine “nano” particles of aluminium however, and with a gas producing additive, it apparently does become explosive.⁴⁷ It would then have more energy per kilogram than conventional high explosives. Thermite is a very stable material and requires extremely high temperatures to ignite it, such as can be supplied by burning magnesium.

It is clear that in thermite we have a candidate to consider. It produces temperatures far above the melting point of steel. It generates a white dust and also produces molten iron. The variant containing sulphur, known as thermate, appears likely, given the sulphidation of the steel beam reported by FEMA. Was it a mixture of molten iron and steel which was observed in the basements?

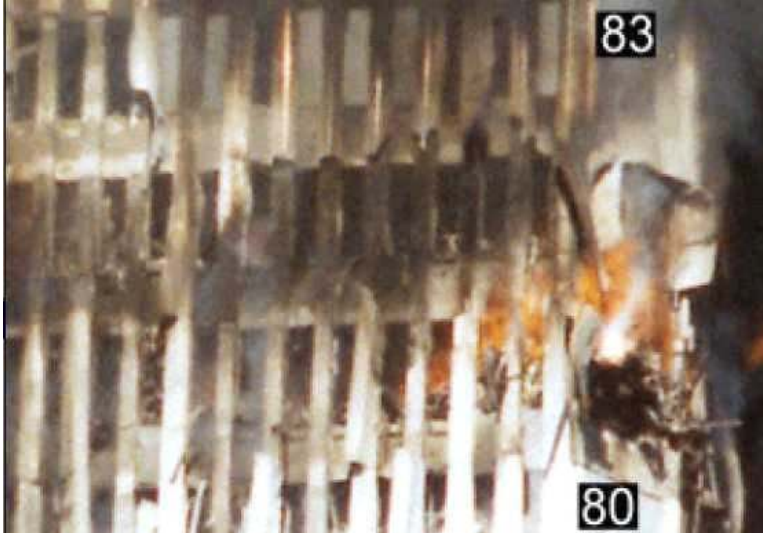
We therefore see a hypothesis emerging, that thermite was used in the demolition of the three buildings on 9/11. If used alone it would have to be at least partly nano thermate or nano thermite to have the observed explosive power. What other observations are there which might throw light on what was happening? Most important of all, can we prove this hypothesis wrong?

Observations which support the thermite hypothesis

Once one begins to suspect that explosives may have been used and looks again at the photographs and videos of the towers the sharp ejections of dust, the huge, rapidly expanding clouds of dust and flying steel don't seem right for a gravity driven collapse.



Something a little more specific is needed however to make the case for explosives. The NIST report includes a photograph of the South tower which shows a bright patch which appears to be white hot. We know that fuel and office fires cannot produce such a high temperature but thermite or a derivative can do so. Note the white dust streaming up from the hot spot.



NIST states:

“An unusual flame is visible within this fire. In the upper photograph a very bright flame, as opposed to the typical yellow or orange surrounding flames, which is generating a plume of white smoke, stands out The brightness of the flame, along with the white smoke, suggests that some type of metal is burning.”

Source: NCSTAR 1-5A Chapter 9 Appendix C Fig. 9-44. p. 344⁴⁸

We all know that neither steel nor aluminium can be ignited in a normal atmosphere so something more than “metal burning” is happening here. Was there an ethical staff member who sneaked a valuable clue into the report? Shortly after this a stream of something orange to yellow hot, and flashing white hot, flowed from a window nearby.⁴⁹



Could this stream be molten steel or iron? Yes. If sulphur is present the melting point can be reduced below 1000° C, in which case it would have the observed colour. It is also possible that the surface of falling drops of molten steel or iron would cool and produce a skin of the observed colour even if there was not sufficient sulphur present to keep the drops fully liquid. The white flashes are of course hotter. The appearance of this stream is reminiscent of the flow of material and scattering of sparks seen with known thermite reactions. The building collapsed a few minutes later.

NIST has claimed that this is a stream of aluminium. They agree that pure molten aluminium appears silvery in daylight because aluminium is a poor emitter of radiation and highly reflective, but they say that the orange colour could be due to organic material being mixed with it. Professor Steven Jones, physicist, has carried out experiments which shows that this does not occur. If the metal is orange in daylight it cannot be aluminium.⁵⁰

Recently Jones published the results of an analysis of a sample of dust which he had received from the occupier of a nearby building. The dust had entered the building during the collapse of WTC 2 through broken windows. Most of the windows of this building were shattered, presumably by a hail of projectiles, which provides further evidence of explosives.

Among the dust, which was mainly powdered concrete and other building material, Jones found particles which he was able to separate using a magnet. The magnetic particles were found to be mainly iron but also contained minor amounts of other elements which are known to be used in variations of thermite. Among these elements were sulphur and aluminium. We already had proof that a chemical reaction was involved in producing the high temperatures. We now see that this must be the thermite/thermate reaction as no other reaction would produce this residue.

<http://journalof911studies.com/volume/200704/JonesWTC911SciMethod.pdf>

Observations which support the explosive hypothesis

A particularly significant finding of Professor Jones's work was that these magnetic particles were small and spherical. This is proof that the metal had once been molten, had been shattered by explosives and had solidified in air while being carried along in the dust cloud. We can now conclude that not only was thermite/thermate used but that explosives were present. Whether the explosive was nano thermite, or some other high explosive, there is as yet no way to tell. All these observations are in accord with the original hypothesis that explosives were used in the demolition of the towers and that thermite/thermate was involved.

Before this the 9/11 movement could deduce that explosives had been used by examining videos, evidence available to all. See the Journal of 9/11 Studies for several such papers.⁵¹ Now the movement can point also to a scientific proof based on analysis of the residue. The hiding of evidence was not quite complete!

Observations which refute the explosive hypothesis

I have spent some time on this question without success.

Arguments against the explosive hypothesis

There is an argument against explosives but it is not based on an observation. It is based on a perception. The perception is that it would not be possible for humans to be involved in such a heinous crime.

In response to this several people have listed incidents which have been given the name “false flag”. Many of these incidents resulted in the deaths of fellow citizens.

<http://www.911truthalbany.org/falseflag.html>

It is clearly possible for humans to kill their own people for a political end. It is however argued that while some foreigners could do this Americans and their allies could not. Unfortunately for this argument there appear to be numerous such cases. What are we to make of this essay on Operation Gladio which asserts that the CIA was involved with assassinations in Europe?

“You had to attack civilians, the people, women, children, innocent people, unknown people far removed from any political game. The reason was quite simple: to force ... the public to turn to the state to ask for greater security.”

<http://context.themoscowtimes.com/stories/2005/02/18/120.html>

What about the deaths due to anthrax in the USA? The anthrax was the Ames strain, so originated in the US.⁵² The two senators who were sent the anthrax were both opposing the Patriot Act or at least calling for a slower passage so that the provisions of the bill could be examined with the care appropriate for such seriously restrictive legislation, some of which was clearly in defiance of the constitution. After the attacks the senators relaxed their opposition and the legislation went through. Why would anyone outside the US have cared whether the Patriot Act was passed? The senators were not infected but several mail handlers` were killed, indicating the seriousness of the attack, yet nothing has come of the investigation. What are we to think about the report that before the attack White House staff received Cipro, an antibiotic which protects against anthrax?

<http://www.newsgarden.org/columns/anthrax/anthraxterrorist.shtml>

What can we conclude about the action of Israel during the 6-day war in attempting to sink the USS Liberty, killing 34 crew and wounding many others? It appears that Israel feared the Liberty would intercept radio signals that would show it was attempting to take the Golan Heights before a UN brokered cease-fire came into effect. The Liberty’s radio frequencies were jammed and the ship was attacked by air and by torpedo boats. The Liberty managed to get a signal out however and the US navy started to respond. One presumes that Israel intended to assert that the Liberty had been sunk by Egypt but, having been caught in the act, they had to admit the attack. They then claimed that they had mistaken the Liberty for an Egyptian vessel. This cannot be believed however because they made a careful reconnaissance before the attack. Clearly Israelis were willing to kill Americans to achieve a political goal. It was done in a dastardly way, machine gunning the wounded and lifeboats. With friends like these....

http://www.totse.com/en/politics/us_military/librtspy.html

In most cases it is deduced after the event, sometimes years after, that an action was false flag but the Operation Northwoods document is distinctive in that it provides evidence of US intention to create a false flag action beforehand. The purpose was to prepare the public for the invasion of Cuba. This plan was not put into effect, presumably because it was rejected by President Kennedy. Perhaps that is why he was later assassinated.

<http://www.gwu.edu/%7Eensarchiv/news/20010430/>

The Gulf of Tonkin incident, which initiated the Vietnam war, is a classic example of information being falsified to create a feeling of fear, heightened tension and a sense of propriety in any decision to retaliate. Congress quickly approved bombing of North

Vietnam. This simple falsification changed the world in a dramatic way. Millions died. <http://www.gwu.edu/%7Eensarchiv/NSAEBB/NSAEBB132/essay.htm>

There are other cases which the reader can find but the above list should be sufficient to prove that the perception that Americans could not have been complicit in 9/11 is without foundation. Even if this perception is not entirely discarded it must be admitted that in any rational debate observations beat perceptions. To throw out all the accumulated evidence of explosives on account of a perception must be regarded as unsafe.

Conclusion: the Case for Reinvestigation of 9/11

A substantial body of evidence has been presented that the official reports of the events of 9/11, which together create the “official explanation”, are flawed. They defy **common sense** and are ridiculed by **Occam’s Razor**. They are suspect on the grounds of **who benefits**. They contain serious **inconsistencies** and **deficiencies**. Finally they are proved wrong in critical ways by the **scientific method**. It appears inescapable that the official explanation is a carefully crafted myth and that it has been created for the purpose of manipulating the public. A large proportion of the public is still in the grip of this myth and does not seem to have noticed that the wrath of the US has been deflected, by sleight of hand, from bin Laden and his followers to the nation of Afghanistan. What should have been a pursuit of criminals became a war and an invasion of a sovereign state. As such it was described as illegal by Koffi Annan, being in contravention of the United Nations charter.⁵³ Whether the invasion was constitutional is hotly debated: there appears to be a need for clarification of the wording.⁵⁴

This paper has been written with the tacit assumption that the US government seized the opportunity provided by warnings of the impending 9/11 attack. It facilitated the attack by interfering with normal surveillance and Air Force procedures, and it enhanced the attack using explosives. It did these things in pursuit of its pre-existing goals.

It will therefore come as a considerable surprise to many to learn that the FBI in 2006 said they have no hard evidence linking bin Laden to 9/11. Their “wanted” poster for bin Laden does not list the 9/11 attack.⁵⁵ At the very least this means that the information issued immediately after the attack was knowingly false. This casts a different type of doubt on the bin Laden “confession” video: if this video is not a fake it appears that the FBI must now believe that bin Laden was taking credit for something he did not do. The case that we must look elsewhere for the instigator of the attack is strengthened.

The news media fed the fire and gravity theory to the public immediately after the collapse. The FEMA report enlarged on this theory and glossed over the problems. As doubts arose, and pressure was placed on the government, the 9/11 Commission and the NIST report were created, both manipulated to dishonestly reinforce the official theory and put the finishing touches to the myth. The consequence of the creation of the myth was that most citizens of the USA were unaware that explosives had been used so did not realize that an investigation into who had been involved in the collapse was required. In the initial shock they were easily persuaded that invasion of Afghanistan was appropriate and the official reports maintained the deception. Similar deception led to the invasion of Iraq in 2003. Other nations were dragged along by the deception into both wars.

The death rate in these wars is immense.⁵⁶ The current use of depleted uranium weapons will cause deaths and deformities for thousands of years, which alone must be regarded as a war crime.⁵⁷ The outcome of the invasion of Iraq and Afghanistan will be complex as they have groups within them which will react in different ways. It is however absurd to

suggest that invading these Moslem nations in the “war on terror” will solve the terrorist problem as there will be some groups who will wish to repel the invaders at any cost. If our country were invaded would we not attempt to sabotage the invaders? Continued US imperialist activity can be expected to result in continuation of terrorist attacks.

If no change is made the hatred that the Moslem world will experience for the West will be intense and will persist for generations. It seems reasonable to assert that the only way in which this hatred can be assuaged is for the people of the United States to make it clear to the world that it was not they, but their leaders, who started the wars, and that they did so by means of deception of the public. The only way to achieve this is to call for a new independent investigation of the events of 9/11 with complete access to all the hidden material, and with powers of subpoena, so that the perpetrators can be exposed and appropriately dealt with. Until this is done we will not know which of the leaders was complicit and which was honestly deceived.

It is not just a question of doing the right thing, though that should be sufficient motivation, it is also a question of security. With the threat of a strike against Iran leading to a new war, and possible use of nuclear weapons, the stakes are far too high for complacency. Personal freedom should also be considered and exposure of the truth should be seen as providing a political force to repeal the restrictive legislation passed since 9/11, much of which was in defiance of the constitution.

Even if you, the reader, come to the conclusion, having considered all the evidence, that there is only a small chance that the explosive theory is correct, should you not be calling for a fresh independent investigation on the off-chance that it might put an end to the dreams of Cheney and Bush, or whoever is controlling them, for the safety of yourself, your family and the world?

End Notes

1. Trans fats history: <http://www.enig.com/transupdate.html>
2. Suppression: http://www.drpasswater.com/nutrition_library/enig2_interview.html
3. Death rate and regulations, Harvard University:
<http://www.hsph.harvard.edu/reviews/transfats.html>
4. Cholesterol: http://www.westonaprice.org/moderndiseases/benefits_cholest.html
5. Statin side effects: http://medicine.ucsd.edu/ses/adverse_effects.htm
6. Fraud: <http://www.freerepublic.com/focus/f-news/559885/posts>
7. The International Network of Cholesterol Skeptics: <http://thincs.org/public.htm>
8. Ample warnings were received but apparently ignored or blocked:
<http://www.wsws.org/articles/2002/jan2002/mous-j05.shtml>
<http://archive.democrats.com/elandslide/petition.cfm?campaign=911>
9. War games simulating hijacking and attacking buildings:
http://www.fromthewilderness.com/free/ww3/011805_simplify_case.shtml
10. NTSB: <http://www.pilotsfor911truth.org/>
11. Steel sold overseas cheap: <http://www.china.org.cn/english/2002/Jan/25776.htm>
12. Insider trading round 9/11: <http://www.hereinreality.com/insidertrading.html>
13. Securacom: <http://www.commondreams.org/views03/0204-06.htm>
14. FEMA report, section 5.7: http://www.fema.gov/pdf/library/fema403_ch5.pdf
15. NIST lets a contract to ARA to determine how fire caused the collapse of WTC 7. It is curious that their study is restricted to floors from 8 to 46. This building collapsed from the bottom up, as in a controlled demolition, so it is clear that collapse began below floor 8. This contract will therefore fail to produce an intelligible result and

- must be seen merely as a device to stall for time:
http://wtc.nist.gov/solicitations/wtc_awardQ0186.htm
16. Acceleration study of WTC7 roof:
<http://journalof911studies.com/volume/200611/911-Acceleration-Study-Proves-Explosive-Demolition.pdf>
 17. Eye witnesses of explosions: WTC7:
<http://www.prisonplanet.com/articles/june2007/190607interview.htm>
 The Towers:
http://www.journalof911studies.com/articles/Article_5_118Witnesses_WorldTrade_Center.pdf
 18. FOI: <http://www.rcfp.org/news/2005/0328-foi-firefi.html>
 19. Robin Cook discusses “war on terror”, al Qaeda:
<http://www.guardian.co.uk/terrorism/story/0,12780,1523838,00.html>
 20. Civilian casualties: <http://www.theage.com.au/news/world/british-officers-blame-us-for-afghan-deaths/2007/08/09/1186530530524.html?page=2>
 21. Bush/bin Laden connections: <http://reynoldswriter.blogspot.com/2007/05/bushes-and-bin-ladens-connected-at-hip.html>
<http://www.new-enlightenment.com/BushSaud.htm>
 22. Saudis protected: <http://www.truthout.org/cgi-bin/artman/exec/view.cgi/37/9920>
<http://www.footnote.tv/f911chap3-3.html>
 23. Meeting on 10 Sept 2001: http://en.wikipedia.org/wiki/Bin_Laden_family
 24. Taliban offer: <http://answers.google.com/answers/threadview?id=582916>
 25. CNN, Osama denies involvement:
<http://archives.cnn.com/2001/US/09/16/inv.binladen.denial/>
 26. Osama places attack in context (video):
<http://www.youtube.com/watch?v=dls5JTD-uG0>
 Long interview, 28 Sept: <http://www.public-action.com/911/oblintrv.html>
 27. Fat OBL video 2001: <http://www.whatreallyhappened.com/osamatape.html>
<http://911research.wtc7.net/disinfo/deceptions/binladinvideo.html>
http://www.infowars.net/articles/february2007/190207Osama_tape.htm
 28. CNN misleads: <http://archives.cnn.com/2001/US/12/13/ret.bin.laden.videotape/>
 29. Was it a “sting”? <http://muckrakerreport.com/id372.html>
 30. A carpet of bombs: <http://www.atimes.com/c-asia/CK20Ag01.html>
 31. Ruppert on the outcome of the 2002 mid-term election:
http://www.fromthewilderness.com/free/ww3/110602_elections.html
 32. Cheney threatens Iran: <http://www.larouchepac.com/news/2007/08/15/cheney-moves-closer-attack-iran-plans-declare-revolutionary-.html>
 33. NIST NCSTAR 1-3, steel temperature, see page xli:
<http://wtc.nist.gov/NISTNCSTAR1-3.pdf>
 34. Low DNA identification: <http://http-server.carleton.ca/~gcarmody/sci054e.htm>
http://911research.wtc7.net/cache/wtc/evidence/newsau_1000neverided.html
 35. High DNA identification (100%) in an aircraft crash:
<http://www.springerlink.com/content/16yc0cjkqtlb3x6k/>
 36. Deutsche Bank Building. “In 2002, over a year after the attacks, a number of mummified human remains were found inside the building. The remains had been ejected there by the explosions across Liberty Street.”:
http://en.wikipedia.org/wiki/Deutsche_Bank_Building
 37. NIST NCSTAR1. Page 90, states 10 core columns were severed, as though this had been observed. As observation was impossible this is clearly just a requirement to force the simulation to achieve collapse (circular argument):
<http://wtc.nist.gov/NISTNCSTAR1CollapseofTowers.pdf>

38. G Ross provides a second refutation of the NIST report with pure logic, no maths:
<http://journalof911studies.com/volume/200704/NISTandDrBazant-SimultaneousFailure-WTCCollapseAnalysis2.pdf>
39. WTC 1, fall time:
http://journalof911studies.com/articles/Journal_2_Evidence_for_demolition_20.pdf
40. Fallacy in NIST simulation re steel regaining strength:
http://www.nist.gov/public_affairs/ncstmin_oct19-20.htm
41. NISTNCSTAR 1-5E, peak heat 10 to 20 minutes:
<http://wtc.nist.gov/NISTNCSTAR1-5E.pdf>
42. Molten metal: <http://georgewashington.blogspot.com/2005/12/why-was-there-molten-metal-under.html> <http://www.youtube.com/watch?v=8X5F5PttzJY>
43. USGS aerial temperature imaging:
<http://pubs.usgs.gov/of/2001/ofr-01-0429/thermal.r09.html>
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http://www.youtube.com/watch?v=3U_GISl3aAA&mode=related&search=
45. FEMA Appendix C: http://www.fema.gov/pdf/library/fema403_apc.pdf
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http://www.mrs.org/s_mrs/sec_subscribe.asp?CID=2642&DID=115879&action=detail
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49. Flowing metal video:
<http://video.google.com/videoplay?docid=545886459853896774>
50. Molten aluminium is silvery in daylight:
http://www.stj911.org/jones/experiments_NIST_orange_glow_hypothesis.html
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53. UN Charter: http://news.bbc.co.uk/2/hi/middle_east/3661134.stm
54. Constitutionality: <http://www.tell-usa.org/iraq/>
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<http://www.teamliberty.net/id267.html>
56. Deaths: <http://mwcnews.net/content/view/13296/42/>
57. Depleted uranium: <http://www.greenleft.org.au/2003/546/29939>
<http://www.commondreams.org/headlines03/0330-02.htm>