

Version 11.0 July 2008 End notes

Abbreviations used in endnotes and text. [Not a complete list of resources]

[BPT]

Richard Gage:

9/11: Blueprint for Truth; The Architecture of Destruction DVD

[9/11CR]

9/11 Commission Report

[ENR]

Engineering News Record

[FEMA BPA]

FEMA Building Performance Assessment Report:

[www.FEMA.gov/pdf/library/]

[Furlong]

Craig T. Furlong and Gordon Ross:

Seismic Proof-9/11 Was an Inside Job

[<http://www.journalof911studies.com/volume/200609/ExplosionInTowerBeforeJetHitByFurlongAndRoss.pdf>]

[Gourley]

James Gourley:

Scientific Critique of Judy Wood's Paper "The Star Wars Beam Weapon"

<http://journalof911studies.com/letters/b/scientific-critique-of-judy-woods-paper-star-wars-beam-weapons-by-james-gourley.pdf>

[Griffin COD]

Dr. David Ray Griffin:

The 9/11 Commission Report: Omissions and Distortions

[Griffin CCD]

Dr. David Ray Griffin:

The Destruction of the World Trade Center: Why the Official Account Cannot Be True

<http://911review.com/articles/griffin/nyc1.html#multipleevidence>

[Grimmer CPUT]

Derrick Grimmer:

Calculations on the Possible Use of Thermite to Melt Sections of the WTC Core Columns

<http://physics911.net/thermite>

[Grossman SRAA]

Dr. Stephan Grossman:

9/11 Science Report Appendix A

[www.cloakanddagger.de/Grossmann/911%20REPORT/911_Science_Report_App_A.pdf]

[Hufschmid PQ]

Erik Hufschmid:

Painful Questions: An Analysis of the September 11th Attack

[http://www.erichufschmid.net/PainfulQuestions_1.pdf] f.

[Jenkins]

Greg Jenkins:

Introduction To An Interview With Judy Wood Conducted At The National Press Club in Washington D.C. on January 10, 2007 Regarding The Use Of Directed Energy Beams In The Demolition Of The World Trade Center Towers

<http://journalof911studies.com/letters/b/interview-judy-wood-at-national-press-club-regarding-the-use-of-directed-energy-beam-in-the-demolition-of-the-wtc-by-dr-gregory-jenkins.pdf>

[Jones Q&A]

Dr. Steven Jones:

Answers to Questions and Objections

<http://www.journalof911studies.com/articles/JonesAnswersQuestionsWorldTradeCenter.pdf>

[Jones WI]

Dr. Steven Jones:

Why Indeed did the WTC Buildings Completely Collapse?

http://www.journalof911studies.com/volume/200609/Why_Indeed_Did_the_WTC_Buildings_Completely_Collapse_Jones_Thermite_World_Trade_Center.pdf

[Legge Issues]

Frank Legge:

A study of some issues raised in a paper by Wood and Reynolds

<http://journalof911studies.com/letters/d/a-study-of-some-issues-raised-in-a-paper-by-wood-&-reynolds-by-frank-legge.pdf>

[MacQueen]

Graeme MacQueen:

118 Witnesses: The Firefighter's Testimony to Explosions in the Twin Towers

[www.journalof911studies.com/articles/Article_5_118Witnesses_WorldTradeCenter.pdf]

[NCEI]

New Civil Engineer International

<http://www.nceplus.co.uk>

[NIST Response S911TJ RFC1]NIST response to *Scholars for 9/11 Truth and Justice* et al. April 14 2007 Request For Correction.

[Ryan NSD]

Kevin Ryan:

The NIST World Trade Center Report: A New Standard for Deception

text: [http://911research.wtc7.net/reviews/kevin_ryan/newstandard.html]

[NIST NCSTAR 1]

NIST Final Report on WTC 1 and 2 Executive Summary

[[Federal Building and Fire Safety Investigation of the World Trade Center Disaster: Final Report of the National Construction Safety Team on the Collapses of the World Trade Center Tower](#)]

[Tarpley ST]

Webster Tarpley:

9/11 Synthetic Terror: Made in the USA

[Wood]

Judy Wood:

<http://janedoe0911.tripod.com>

[1] WTC Complex image Courtesy David McGowan: www.davesweb.cncnhost.com/nwsltr43.html

[2] State Department Data: *Behind the Scenes Ground Zero World Trade Center September 11 2001 A Collection of Personal Accounts* by Gail Swanson FDNY First Responders TRAC Team Inside cover.

[3] WTC architect and structural engineers: http://www.skyscraper.org/TALLEST_TOWERS/t_wtc.htm

Structural engineering firm of record: Worthington, Skilling, Helle & Jackson, later renamed Skilling Helle Christiansen Robertson.

See also [http://www.sciam.com/article.cfm?articleID=000B7FEB-A\[88C-1C75-9B81809EC588EF21](http://www.sciam.com/article.cfm?articleID=000B7FEB-A[88C-1C75-9B81809EC588EF21)

Later renamed Skilling Ward Magnusson Barkshire.

The firm name is now Magnusson Klemencic Associates, <http://www.mka.com/index.asp>.

According to the website, this firm has engineered some of the most significant structural and civil engineering projects in the world. [Leslie E. Robertson Associates](#), and/or [Magnusson Klemencic Associates](#) provided structural engineering services for the Columbia Center, and Two Union Square, among others, in Seattle. <http://www.emporis.com/en/wm/bu/?id=119427>

[4] Tubular design suspect?

http://www.channel4.com/science/microsites/S/science/engineering/news_towers.html

[5] Ronald Hamburger at Stanford:

<http://news-service.stanford.edu/news/2001/december5/wtc-125.html>.

[6] NY Times Business Section: BUSINESS TECHNOLOGY; *DEFYING THE WIND WITH LESS STEEL* By CALVIN SIMS Published: March 18, 1987. "Most new structural systems, like that used in the World Trade Center, place major supporting elements in the outer portions of the building to increase stability. Traditionally, they were in the building's core, often around elevators and restrooms. "

<http://query.nytimes.com/gst/fullpage.html?res=9B0DE6DD1E30F93BA25750C0A961948260&sec=&spn=&pagewanted=all>

The Daily Star April 5 2005 *Lest We Forget F R Khan -- An architect with a difference* Syed Ashraf

"F.R. Khan was an outstanding civil engineer who was hailed all over the globe for innovations in high-rise building construction, especially tubular design."

<http://www.thedailystar.net/2005/04/05/d504051502105.htm>

[7] S.J. Resolution 23 (War powers): (P.L. 107-40, 115 Stat. 224 (2001)

www.fas.org/sgp/crs/natsec/RS22357.pdf

[8] Truth of official story implicitly assumed: David Ray Griffin *The 9/11 Commission Report: Omissions and Distortions* (Interlink Publishers, 2005) p.11.

[9] Photo credit: *Behind the Scenes Ground Zero World Trade Center September 11 2001 A Collection of Personal Accounts* by Gail Swanson FDNY First Responders TRAC Team. pp. 106-197.

[10] First comments by Van Romero: Link to the original article: [www.abqjournal.com:80/news/aqvan09-11-01.htm] [not functional]. This article is reprinted and discussed in more detail in Webster Tarpley's book *9/11 Synthetic Terror: Made in the USA*, 2005. (Tarpley ST) According to Tarpley, this account was removed from the *Albuquerque Journal* archive, but was posted on Sept 14, 2001 at <http://emperors-clothes.com/news/albu.htm>. Tarpley ST pp. 224-225
See also www.serendipity.li/wot/pop_mech/reply_to_popular_mechanics.htm

[11] Mark Taylor: *New Scientist* September 12, 2001 [from Steven Jones *Answers to Questions and Objections*, (Jones Q&A) a 208 page power point PDF file.]
<http://www.journalof911studies.com/articles/JonesAnswersQuestionsWorldTradeCenter.pdf> p.193.
Approximate slide locations are provided in the footnotes, but they cannot be guaranteed to be correct, because the Jones Q&A document is continuously updated.

[12] Bent Lund: Daily (Copenhagen) Newspaper *Berlingske Tidende* [Tarpley ST] p. 226.

[13] European scholars who consider WTC explosives: [Tarpley ST] p. 226.

[14] Explosives considered: [members.aol.com/erichuf/];
[home.attbi.com/~JMKing]; [www.serendipity.li/WTC.html];
Jones: "Why Indeed Did the WTC_ Buildings Completely Collapse"
pdf:
http://www.journalof911studies.com/volume/200609/Why_Indeed_Did_the_WTC_Buildings_Completely_Collapse_Jones_Thermite_World_Trade_Center.pdf

http://www.journalof911studies.com/volume/200609/WhyIndeed_DidtheWTCBuildingsCompletelyCollapseJonesThermiteWorldTradeCenter.pdf

html:

http://72.14.253.104/search?q=cache:hpnkV701n_UJ:www.journalof911studies.com/volume/200609/WhyIndeedDidtheWorldTradeCenterBuildingsCompletelyCollapse.pdf+Why+Indeed+Did+the+WTC+Buildings+Completely&hl=en&ct=clnk&cd=1&gl=us

[Jones WI] p. 1

Also: *Deseret Morning News* 11/10/2005

[15] Order of demolition signals top-down: Eric Hufschmid first proposed this in his book *Painful Questions: An Analysis of the September 11th Attack*, [Hufschmid PQ] Endpoint Software 2002] p.74
Jones: [Jones WI] p. 26.

[16] A March 2005 *Popular Mechanics* article attempting to debunk the concept of controlled demolition suggests the amount of pressure Romero was under to change his mind, noting : "Demolition expert Romero regrets that his comments to the *Albuquerque Journal* became fodder for conspiracy theorists. 'I was misquoted in saying that I thought it was explosives that brought down the building,' he tells PM. 'I only said that that's what it *looked* like.' Romero, who agrees with the scientific conclusion that fire triggered the collapses, demanded a retraction from the *Journal*. It was printed Sept. 22, 2001. 'I felt like my scientific reputation was on the line' he [Van Romero] said.

Popular Mechanics: "The Lies Are Out There"

http://www.popularmechanics.com/technology/military_law/1227842.html?page=4

[17] David Ray Griffin on characteristics of controlled demolition
"The Destruction of the World Trade Center: Why the Official Account Cannot Be True"
<http://911review.com/articles/griffin/nyc1.html#multipleevidence>

[Griffin CCD]

For visual evidence of controlled demolition, Griffin recommends see Hufschmid's *Painful Questions*; Hufschmid's video "Painful Deceptions" available at <http://www.EricHufschmid.Net> ; Jim Hoffman's website <http://911research.wtc7.net/index.html> ; and Jeff King's website <http://home.comcast.net/~jeffrey.king2/wsb/html/view.cgi-home.html-.html> , especially "The World Trade Center Collapse: How Strong is the Evidence for a Controlled Demolition?"

[Griffin CCD] note 32.

[18] Converted to flour-like powder WHILE South Tower: "Prior to the collapse only small wisps of black smoke were seeping from the tower and rising upward. When the top section began to tip, enormous clouds were expelled... The US Geologic Survey analyzed the powder on the streets of Manhattan... Their analysis showed the powder to be primarily concrete and gypsum." [Hufschmid PQ p. 45]:

"...concrete floors in the Twin Towers and WTC7 were pulverized to dust..." [Jones WI] p. 21:

"Yet another common feature of controlled demolitions is the production of dust clouds, which result when explosions eject the dust from the building with great energy," noting the dust was similar to examples of controlled demolition, except that the clouds were much larger. [Griffin CCD]

[19] Henrik Melvang: Four Hour video: <http://100777.com/node/241>] The original website <http://www.bombsinsidewtc.dk/> URL exists, but does not function.

[20] Jeff King on dust ejected from the top of the building. [Griffin CCD]

[21] Griffin notes: "Besides the sheer quantity of energy needed, another problem with the official theory is that gravitational energy is wholly unsuited to explain the production of these dust clouds. This is most obviously the case in the first few seconds. In Hoffman's words: "You can see thick clouds of pulverized concrete being ejected within the first two seconds. That's when the relative motion of the top of the tower to the intact portion was only a few feet per second." [Griffin CCD]

[22] Hoffman: Calculation of expansion of dust cloud from FEMA photo http://911research.wtc7.net/papers/dustvolume/volumev3_1.html
Also [Griffin CCD] note 30

[23] Derrick Grimmer <http://physics911.org/net/modules/news/article.php?storyid=22>
Original link removed.
<http://physics911.net/thermite>
[Grimmer CPUT]

[24] Video frames of N. Tower Antenna:
http://911research.wtc7.net/wtc/evidence/videos/wtc1_close_frames.html

[25] Collapse time: [Hufschmid PQ] p.73, notes 8-10 seconds.
Jim Hoffman states that "Each of the Twin Towers totally collapsed in an interval of approximately 14 to 16 seconds. A temporal record of the entire North Tower collapse is provided by the http://www.9-11research.com/videos/docs/tower1_dust_cloud_afterglow.mpg.mpg aired during the attack. It allows reasonably accurate measurement of gross collapse features such as the growth and descent rate of the rubble and dust cloud. However this and other video evidence does not allow the

determination of a precise time of total collapse because each tower's destruction remains hidden behind an expanding dust cloud which, because of its size, reaches the ground over a span of several seconds"... "It took about ten seconds for the bottom of this cloud to reach the ground and another eight seconds for its top to reach the ground."

Hoffman further notes: "Despite the availability of video evidence establishing lower bounds of total collapse times of over 13 seconds for each of the towers, assertions that they collapsed in under ten seconds are widespread. Collapse times of eight to ten seconds are common not only in literature of the skeptics, but also in publications promoting the official explanation. A *Scientific American* article about a 2001 public meeting of engineers on the MIT campus in Cambridge, Mass. gives a figure of nine seconds.")

Error: The Towers Collapsed in 10 Seconds

<http://www.9-11research.com/essays/demolition/seismic>

[26] Collapses progress rapidly floor by floor: [Hufschmid, PQ] p.77. Hufshmid's book shows frames from a video looking up at the South Tower. The frames show that after ribbons of dust blow out of the windows of one floor, they grow into larger dust clouds; meanwhile ribbons of dust blow out of the windows of the next lower floor, and so on. [Hufschmid PQ p. 77] Tarpley notes a best selling study and prime time German television broadcast in August 2003 which shows this process in great detail: Wisnewski, Gerhard: Operation 9/11. Angriff auf den Globus. Knaur Verlag, Munchen 2003. [Tarpley ST] p. 222 and p. 460.

[27] Steel stacked neatly on flatbeds: "*Sliced Steel*: In controlled demolitions of steel-frame buildings, explosives are used to slice the steel columns and beams into pieces." [Griffin CCD]

[28] A representative from Controlled Demolition, Inc., has said of RDX, one of the commonly used high explosives, that it slices steel like a "razor blade through a tomato."The steel is, moreover, not merely sliced; it is sliced into manageable lengths....As Controlled Demolition, Inc., says in its publicity: 'Our DREXSTM systems ...segment steel components into pieces matching the lifting capacity of the available equipment.'" [Griffin CCD]

"The collapses of the Twin Towers, it seems, somehow managed to mimic this feature of controlled demolitions as well. Jim Hoffman (2004), after studying various photos of the collapse site, said that much of the steel seemed to be 'chopped up into . . . sections that could be easily loaded onto the equipment that was cleaning up Ground Zero.'" [Griffin CCD]

"He also noted that 'the lengths of the pieces bear little resemblance to the lengths of the steel parts known to have gone into the construction,' which means that one could not reasonably infer that the pieces simply broke at their joints." (e-mail letter, September 27, 2005). [Griffin CCD] note 28.

Also Hufschmid PQ p. 86.

[29] How are charge cutters used to cut steel?

Slide 87: Technical notes on cutting steel based on government lab report
www.osti.gov/bridges/servlets/purl/1344-QDsu9M/webviewable/1344.pdf

"The thermite cutting process consists of heating and melting the metal in the cutting area by thermal energy released during combustion of a thermite mixture." [Jones Q&A:]

[30] Two men install conventional cutter charge to steel column, preparing for a controlled demolition of a building. Notice the narrow width/size of the explosive cutter charge. From History Channel:

"Wrecking Ball – Modern marvels" and thanks to Robert Moore and

<http://piratenews.org/911con.html> . [Jones WI] p.31; also [Jones Q&A] 95, 96

[31] “For comparison, observe some of the angle-cut columns seen at Ground Zero after 9/11...Notice especially the uneven cut at the back of the column and the previously-molten metal on both the outside AND the inside of the column, left photo, suggesting this was NOT cut using an oxy-acetylene torch, but rather that a highly exothermic chemical reaction was involved in cutting through this steel column.”[Jones WI] p. 31. Also [Jones Q&A] 95.

[32] Image of squibs: From Eric Hufschmid via personal email exchange. Squibs associated with controlled demolition: [Jones WI] p. 22.

[33] Demolition rings: [Griffin CCD]

[34] Horizontal Ejections: Image of columned section embedded: Wood Reynolds
http://janedoe0911.tripod.com/why_indeed.html Fig 18(b)

“Another common feature of controlled demolition is the horizontal ejection of other materials, besides dust, from those areas of the building in which explosives are set off. In the case of the Twin Towers, photos and videos reveal that “[h]eavy pieces of steel were ejected in all directions for distances up to 500 feet, while aluminum cladding was blown up to 700 feet away from the towers.” (Paul and Hoffman, 2004, p. 7) But gravitational energy is, of course, vertical, so it cannot even begin to explain these horizontal ejections. [Griffin CCD]

[35] 600,000 pound steel beam catapulted into World Financial Center:
[Grossman SRAA] p. 11 f. This is documented by:
<http://www.911da.org/crr/images/CRRDB/data/documents/3424.htm>

[36] NASA AVIRIS: <http://greenwood.cr.usgs.gov/pub/open-file-reports/ofr-01-0429/index.html>

[37] *American Free Press*. Speaking of the way the WTC buildings came down, Loizeaux said in an interview: "If I were to bring the towers down, I would put explosives in the basement to get the weight of the building to help collapse the structure." Loizeaux said molten steel was also found at 7 WTC.
[www.serendipity.li/wot/bollyn2.htm]

[38] Molten metal in basements: “Dr. Keith Eaton toured Ground Zero and stated in *The Structural Engineer*, 'They showed us many fascinating slides' [Eaton] continued, 'ranging from molten metal which was still red hot weeks after the event, to 4-inch thick steel plates sheared and bent in the disaste.r'” (*Structural Engineer*, September 3, 2002, p. 6)
[Jones WI] p.5.

The observation of molten metal at Ground Zero was emphasized publicly by Leslie Robertson, the structural engineer responsible for the design of the World Trade Center Towers, who reported that "As of 21 days after the attack, the fires were still burning and molten steel was still running."
<http://911research.wtc7.net/wtc/evidence/moltensteel.html>

[39] Video showing red hot metal:
http://plaguepuppy.net/public_html/video%20archive/red_hot_ground_zero_low_quality.wmv

[40] Melted and vaporized steel: [*New York Times* February2002].
[www.wpi.edu/News/Transformations/2002Spring/steel.html]
Appendix C www.FEMA.gov/pdf/library/fema403_apc.pdf

[41] N. Tower spire “vaporizing.” This phenomena can be seen in a number of videos.

The still is from:

<http://janedoe0911.tripod.com/StarWarsBeam3.html#disintegrate>

video's include those from Jim Hoffman's 9-11Research:

<http://911research.wtc7.net/wtc/evidence/videos/index.html>

North Tower collapse

[42] Toasted cars: <http://janedoe0911.tripod.com/StarWarsBeam3.html#China>

[43] Everything was pulverized: O'Dowd:[www.davesweb.cncost.com/nwsltr43.html]

[44] CNN image of downtown Manhattan, showing areas of damage

[Grossman SRAA] p. 30.

[45]The Meteorite": <http://www.whatreallyhappened.com/thermite.html>

<http://www.youtube.com/watch?v=xbMu2w7fSG8>

[46] Afterglow or flare at completion of collapse:

<http://911research.wtc7.net/wtc/evidence/videos/index.html>

[www.cloakanddagger.de/ Grossmann/911%20REPORT/911 Science Report App A.pdf](http://www.cloakanddagger.de/Grossmann/911%20REPORT/911_Science_Report_App_A.pdf) p.5

[47] Vaporized humans: http://www.fdiai.org/some_world_trade_center_victims_.htm

see also [Tarpley ST] p. 232.

[48] Identified after one year: Including 45 of those aboard the hijacked planes - 33 from Flight 11, which struck the north tower, and 12 from Flight 175, which hit the south tower.

<http://www.nydailynews.com/news/local/story/17949p-17009c.html>

Original link removed from internet.

[49] As of April 2007, more than 1100 victims still do not have identifiable remains. Associated Press New York, April 7 2007: New DNA Technology Helps ID 9/11 Victims.

<http://feeds.cbsnews.com/CbsNewsApUs>

[50] Photos illegal around WTC: [Tarpley ST] p. 229.

[51] *911 Eyewitness Hoboken-TV* [Blue Star Media Group] includes a real time filming of the WTC collapses done by independent internet web casting producer Richard A. Siegel. The explosions before the implosions of the buildings are clearly audible. <http://www.911eyewitness.com>

Other excellent videos include *9/11 Mysteries Part1: The Demolitions*. A number of accounts are also reported in [Tarpley ST].

[52] Tom Elliot www.csmonitor.com/2001/0917/p1s1-usgn.html

[53] Greg Szymanski on William Rodriguez: The original link:

[\[www.arcticbeacon.com/articles/article/1518131/28031.htm\]](http://www.arcticbeacon.com/articles/article/1518131/28031.htm) is currently invalid. The info in this article can now be found in the following two articles:

<http://www.arcticbeacon.com/articles/21-oct-2005.html>

<http://www.arcticbeacon.com/articles/18-Jul-2005.html>

Saltamachia and others appear in Rodriguez documentaries, including *Last Man Out*

See <http://www.last-man-out.com>

[54] Mike Pecoraro www.chiefengineer.org/article.cfm?seqnum1=1029

[55] Lieutenant William Walsh: Craig T. Furlong and Gordon Ross
Seismic Proof-9/11 Was an Inside Job (Updated Version II): (Section 3)
[Furlong]
<http://www.scholarsfor911truth.org/Article911SeismicProof.html> (html) [abbreviated version]

<http://www.journalof911studies.com/volume/200609/ExplosionInTowerBeforeJetHitByFurlongAndRoss.pdf> (pdf) p. 10.

[56] Scott Forbes: <http://killtown.blogspot.com/2005/12/scott-forbes-interview.html>
The accounts of Scott Forbes have been discredited by some.

[57] Kim White <http://www.serendipity.li/wtc5.htm>
<http://www.rense.com/general17/eyewitnessreportspersist.htm>

[58] Teresa Veliz [*September 11: An Oral History*, Dean E. Murphy, 2002, pp. 9-15.]

[59] Steve Evans <http://www.guardian.co.uk/wtccrash/story/0,,550226,00.html>

Original link no longer working:

http://americanfreepress.net/08_09_02/New_York_Firefighters_/new_york_firefighters_.html

"I was at the base of the second towerthat was hit," Evans said. "There was an explosion-I didn't think it was an explosion-but the base of the building shook. I felt it shake . . . then when we were outside, the second explosion happened and then there was a series of explosions. . . . We can only wonder at the kind of damage-the kind of human damage-which was caused by those explosions-those series of explosions" he said.

[60] Debris in 22nd floor security office. Dick Eastman, Yakima WA.

http://www.the7thfire.com/Politics%20and%20History/9-11/evidence_of_us_corporate_guilt.htm

[61] Hermina Jones:

http://www.cooperativeresearch.org/timeline.jsp?startpos=1300&timeline=complete_911_timeline

Original link no longer works: <http://www.nynewsday.com/news/local/manhattan/wtc/ny-nyaler122362178sep12,0,7280472,print.story>

[62] Peter Wong: [09/11 8:48 am: *Documenting America's Greatest Tragedy*, 2001 BookSurg.cam and BlueEar.com.]

[63] Brian Reeves: http://ny1.com/pages/RRR/911special_survivors.html

[64] About the CBS production: <http://www.ambafrance-us.org/culture/tv/programs/naudet911.html>

[65] The Naudet Brothers have come under scrutiny, and their live footage, on which their film *911* was based, has been called "staged".

<http://www.serendipity.li/wot/naudet/raphael.htm>

See also http://www.media-criticism.com/Naudet_Brothers_09_2004.html

http://www.911hoax.com/gNaudetWTC1_7.asp?intPage=44&PageNum=44

[66] Victims on fire in lobby too horrific to film:

http://www.popularmechanics.com/technology/military_law/1227842.html?page=4

[67] Non-incendiary damage in lobby:

http://graphics8.nytimes.com/packages/pdf/nyregion/20050812_WTC_GRAPHIC/9110430.PDF

[68] Phillip Morelli thrown to ground:

http://st12.startlogic.com/~xenonpup/underground/underground_explosions.htm. Source:
<http://aftermathnews.wordpress.com/2007/10/12/new-eyewitness-to-wtc-basement-level-explosions>

Also: When Morelli heard the impact of the first airliner striking more than 90 floors above, “he thought something big had tipped over in one of the other basement levels just above him. He encountered smoke and screaming people when he made his way up to the underground parking lot ...”

http://ny1.com/pages/RRR/911special_survivors.html Note the difference in treatment of the two articles.

[69] Genelle Guzman McMillan: www.azcentral.com/news/sept11/sept11survivor.html

Original link removed.

http://transcripts.cnn.com/TRANSCRIPTS/0609/11/i_ins.01.html

[70] Donn DeGrand Pre: [*Barbarians Inside the Gates: Book Two: The Viper's Venom*: p. 50]. Also

[Tarpley ST]. More about DeGrand Pre: <http://www.prisonplanet.com/022904degrandpre.html>

<http://www.apfn.net/Messageboard/8-10-03/discussion.cgi.64.html>

[71] Conor O'Clery: [09/11 8:48 am: Documenting America's Greatest Tragedy 2001 BookSurg.com and BlueEar.com.] Pertaining to O'Clery's comment on lack of helicopter rescue: The DVD *9/11 eyewitness Hoboken TV*; footage by Rick Siegel notes that NYPD Air Sea rescue helicopters were ordered away from towers; and rescued no one.

[72] Discrediting of NYFD: [Tarpley ST] p. 232.

[73] Louie Cacchioli: *People*, 9/12/01 http://www.prisonplanet.com/louie_cacchioli.htm

Several images available on the internet.

[74] Albert Turi: NBC audiotape of Turi describing explosions:

http://911fraud.blogspot.com/2005_06_01_911fraud_archive.html

[75] Audio tapes of first responders held by NYC: [NYT 7/23/02] This article appears to no longer be in the NYT archives. A reproduction is at <http://www.seattle911visibilityproject.org/july2302nyt.htm>

[76] Court rules against NYC: [AP February 6 2003]

[77] 9/11 Commission Subpoenas Tapes from New York: This article appears to no longer be in the NYT archives. A reproduction is at http://www.seattle911visibilityproject.org/nyt_21_nov_03.htm

[78] Mayor Agrees to Allow Panel To Examine Sept. 11 Records. This article appears to no longer be in the NYT archives. A reproduction is at http://www.seattle911visibilityproject.org/12_04_03_nyt.htm

[79] Tapes redacted: [www.courts.state.ny.us/reporter/3dseries/2004/2004_00091.htm]

[80] Court Orders Release Of [redacted] City 9/11 Records. This article appears to no longer be in the NYT archives. A reproduction is at http://www.seattle911visibilityproject.org/01_11_04nyt.htm

[81] Dispatch: “Additional explosion” www.wnbc.com/news/1315651/detail.html

[82] Justice Department restricts access to “lost” audiotape.

http://americanfreepress.net/08_09_02/New_York_Firefighters/new_york_firefighters.html

Original link removed from internet

[83] Reproduction of original New York Times article is at:

www.seattle911visibilityproject.org/nypost.htm

[84] [turi's own interview in his own words](#) from the NY Times:

http://www.nytimes.com/packages/html/nyregion/20050812_WTC_GRAPHIC/Turi_Albert.txt

[85] Dwyer, James (2005). "City to Release Thousands of Oral Histories of 9/11 Today," *New York Times*, August 12, 2005, with quotes of eyewitnesses available in New York Times archives:

http://www.nytimes.com/packages/html/nyregion/20050812_WTC_GRAPHIC/met_WTC_histories_01.html and

http://graphics8.nytimes.com/packages/html/nyregion/20050812_WTC_GRAPHIC/met_WTC_histories_full_01.html.

[86] Statement by Stephen Gregory [Dwyer, 2005, Assistant Commissioner Stephen Gregory FDNY WCT2 File No. 91 10008]

[87] David Ray Griffin article on Oral Histories:

"Explosive Testimony: Revelations about the Twin Towers in the 9/11 Oral Histories"

<http://www.911truth.org/article.php?story=20060118104223192>

[88] Graeme MacQueen "118 Witnesses: The Firefighter's Testimony to Explosions in the Twin Towers" [MacQueen 118] *Journal of 911 Studies*

www.journalof911studies.com/articles/Article_5_118Witnesses_WorldTradeCenter.pdf

[MacQueen 118] p. 47.

[89] 118 of 503 witnesses: [MacQueen 118] p. 51-55.

[90] Lt Paul Isaac Jr. www.prisonplanet.com/analysis_lavello_050503_bombs.html

[91] NYFD firefighters discussing a series of explosions: This video segment is also included in the Jimmy Walter DVD *Confronting the Evidence: A Call to Reopen the 9-11 Investigation*, which is free of charge and can be obtained by going to the URL reopen911.org.

Segment also in the controversial *In Plane Sight*, produced by Dave Von Kleist.

[92] Palisades seismic data:

magnitude	time(edt)	signal duration	remark
0.9	8:46:26	12 sec	1st impact
0.7	9:02:54	6 sec	2nd impact
2.1	9:59:04	10 sec	1st collapse
2.3	10:28:31	8 sec	2nd collapse
0.6	17:20:33	18 sec	3rd collapse

from www.ldeo.columbia.edu/LCSN/Eq/20010911_wtc.html

[93] The largest signals were generated by collapses of towers 1 and 2.

Expanded views of first impact (tower 1) and first collapse (tower 2) are shown in red.

Magnitude vs. frequency from impacts and collapses are shown at right.

www.ldeo.columbia.edu/LCSN/Eq/20010911_wtc.html

[94] Huge seismic spikes:

www.serendipity.li/wot/bollyn2.htm : *American Free Press* 9/9/2002

[95] Arthur Lerner-Lam: It is still being investigated:

www.serendipity.li/wot/bollyn2.htm : *American Free Press*

[96] LDEO report:

www.ldeo.columbia.edu/LCSN/Eq/20010911_WTC/WTC_LDEO_KIM.pdf

[97] Seismic spike looked valid: [Grimmer CPU]

[98] Jim Hoffman on seismic data

<http://911review.com/errors/wtc/seismic.html>

“No basis...that the energy indicated by those spikes was more than could be accounted for by the approximately 110 megawatt-hours of gravitational energy.” (On the other hand, it was Jim Hoffman who “calculated the energy required to allow the observed volume of expansion of dust,” and found that it exceeded energy available from gravitational collapse by a factor of 10.)

[99] Hoffman: Seismic data inconsistent with NIST conclusions

<http://911research.com/essays/demolition/seismic.html>

[100] 9/11 Commission’s impact times

[9/11 Commission Report, pg 460, Note 130]:

http://www.insightful.com/infact/911/corpus/report_470_460.html

[101] Why the time discrepancy between aircraft crash and LDEO analysis? Why the LDEO reanalysis?
[Furlong] p. 9.

[102] Silverstein insurance agreement: [Die Welt, Berlin, Oct 11, 2001]

[103] Silverstein insurance:

www.interesting-people.org/archives/interesting-people/200109/msg00162.html

[104] Port agrees with Silverstein demands: [*Die Welt*, Berlin, Oct 10, 2001.]

[105] Dick Eastman on WTC 1floor 22 damage: destruction of FBI files on financial crimes:

http://www.the7thfire.com/Politics%20and%20History/9-11/evidence_of_us_corporate_guilt.htm

[106] Ben Fountain: [www.unityinamerica.com/stories/survivorStories.asp]

[107] Wing TV on Scott Forbes <http://69.28.73.17/thornarticles/powerdown.html>

The Forbes report has been questioned by some sources.

[108] Scott Forbes interviews 2005-2006:

<http://killtown.blogspot.com/2005/12/scott-forbes-interview.html>

<http://georgewashington.blogspot.com/2005/11/interview-with-scott-forbes.html>

<http://culhavoc.blogspot.com/2006/02/28/scott-forbes/>

[109] 9/11 debunkers use Forbes statements in an attempt to discredit Ben Fountain:

<http://screwloosechange.blogspot.com/2006/05/ben-fountain-meet-scott-forbes.html>

[110] Forbes and Rodriguez on noises and dust: *911 Mysteries: the Demolitions* DVD Chapter 23. This excellent DVD was produced by Sofia Smallstorm.

[111] Computer Rooms in Twin Towers Targeted By Planes on 9/11; Filled with "Battery-Looking Things Never Turned On" <http://www.rense.com/general80/comprooms.htm>

[112] Sakher 'Rocky' Hammad: http://www.whatreallyhappened.com/SakherHammad_WTC_9-11.html

[113] Bomb sniffing dogs pulled:

<http://www.nynewsday.com/news/local/manhattan/wtc/ny-nyaler122362178sep12,0,7280472,print.story>

Several internet sources reference the unfortunate demise of the bomb sniffing dog Sirius who was allegedly killed when the towers collapsed. www.dogspeak.ca/WTC_Dogs.htm Interestingly, one of the sources claims Sirius' ashes were recovered from the trade center wreckage, and placed in an urn for his Port Authority police officer master David Lim. www.signal8-2.com/paula.htm www.signal8-2 is sponsored by Port Authority of NY and NJ Police.

[114] Ontrack/Convar: <http://www.rumormillnews.com/cgi-bin/forum.cgi?noframes;read=45822>

[115] Stratesec: <http://www.davesweb.cnhost.com/nwsltr43.html>

[116] “Built for an enormous amount of **money** between 1966 and 1970 by the Port Authority of the State of New York...the **Twin Towers** were always **money-losers**”

[killtown.blogspot.com/2006/01/real-reason-wtc-was-targeted.html]

“The old WTC was a proven money loser since the 1980’s.”

<http://www.politicalhotwire.com/7578-war-terror-looks-like-fraud-7.html>

“they were only 50% occupancy and were major money losers.”

<http://www.politicalhotwire.com/10788-70-disturbing-facts-about-9-11-a-25.html>

[117] 911 Mysteries part 1 Demolitions produced by Sofia Smallstorm

<http://www.911weknow.com/911-mysteries-movie.html>

[118] “9/11 Mysteries claims that quotes for a clean-up of the asbestos in the towers would have cost more than a billion dollars.

“U.S. District Judge John W. Bissell in early February threw out the Port Authority of New York & New Jersey's final claims in a longstanding suit against dozens of insurers over coverage of more than \$600 million in asbestos abatement costs at the World Trade Center, New York's three major airports and other Port Authority properties.

“The suit sought recovery of the Port Authority's huge expenses of removing asbestos from hundreds of properties ranging from the enormous World Trade Center complex-which represented more than \$200 million of the abatement costs-to bridge and tunnel toll booths. “

[119] <http://911mysteriesguide.com/20.php> provides information to support the proposition that the WTC did not have economic problems. For example: It notes, of 911 Mysteries Urban Renewal:

“1:07:07 Although they were idolized as cathedral-like symbols of power and triumph that pierced the New York skyline, the Twin Towers were big money-losers for the Port Authority of New York. They cost millions a year to equip with the basics – electricity, water, heat, air-conditioning, sewage and even

oxygen – being airtight. As modern communications connected traders from all corners of the globe, tenancy in the Twin Towers continued to drop.

“9/11 Mysteries claims that the “Twin Towers were big money-losers for the Port Authority of New York”. However, the film does not provide a source for its claims..... The reason 9/11 Mysteries does not present a source for this claim is the simple fact that the claim is false.

“In May, 1998, The New York Times [published an article](#) titled “Commercial Property/Downtown; At the World Trade Center, Things are Looking Up”. The article title is fairly self-explanatory, but the following should be noted:

“In January 1997 we had about an 80 percent occupancy rate,” said Cherrie Nanninga, director of real estate for the Port Authority of New York and New Jersey, which owns the complex. Twenty percent of 10.5 million square feet of space is 2.1 million, which would be a substantial building by itself.

“But as a result of the last year's work, Ms. Nanninga, said the complex is over 90 percent occupied and expects to it reach the 95 percent mark by the end of the year. That, she said, would be about as full as the center is likely to get, since there is almost always someone moving in or out. "Ninety-seven percent occupancy would be full," said Ms. Nanninga....

The *guide* appears to follow the facts. However, a random selection of the *Guide* analysis is disappointing. In it's analysis of the *Mysteries DVD* section *Steel Buildings*, the *guide* notes:

8:41: Never before in the history of the world has a steel building collapsed due to fire.

8:50: Jonathan R. Barnett, Ph.D.: “I have not seen until recently a protected steel structure that has collapsed in a fire.”

8:54: True infernos have raged hot and long in steel-framed buildings, but not one of the buildings ever came down.

The *Guide* author notes: “I will counter that with a similar statement. Never before in the history of the world has a building had a 767 airliner slammed into it at 490mph.

“Never before in the history of the world has a building had a 110-story building fall onto it creating a 20-story hole in the lower section of the building, along with a subsequent seven hours of fire. This applies to WTC7, which 9/11 Mysteries discusses later in the film.” Sadly, the *guide* author has confused WTC7 with WTC6, the US Customs Building, which separates WTC1 from WTC7 (See map of WTC Complex). So much for having the facts.

[120] “According to a November 30th, 2001 article, published in the New York Psychogeographical Association ‘...*the Twin Towers were always money-losers...and required huge subsidies from the State...the WTC complex was ludicrously costly to heat and light...In New York City, obsolete buildings are infrequently saved...The only thing that saved the Twin Towers from demolition was the fact that they were filled with asbestos, which would be released into the air if the buildings were destroyed by controlled explosions. In 2000, the Port Authority calculated that it would cost \$1 billion...to remove the asbestos...*’ (5)”

http://www.writing.com/main/view_item/item_id/1035234/printit/1

[121] Team Twin Towers: a group with a web site ostensibly dedicated to valuing the former towers, and defending them from unwarranted accusations.... [They subscribe to the official story.] Two members of this group have interesting backgrounds. Robin Heid: During the mid-1980s, he wrote counter-terrorism commentaries and book reviews for the Rand Corporation-based *Terrorism, Violence and Insurgency Report*. Andy Martin: executive director of the Revolutionary War Research Center, a Washington, DC consortium that studies guerilla war and unconventional military and political tactics. The group notes: “Many urban utopian types, particularly Beverly Willis and her organization, Rebuild Downtown, Our Town (r.Dot) loathed the Twin Towers, and have stated so publicly on several occasions. These groups in general and Ms. Willis in particular have perpetuated several lies, half-truths,

and myths about the Twin Towers and the WTC site. We'll address them in turn.”

In response to the claim that the Twin Towers were poorly and negligently constructed and did not meet NYC fire codes they observe: “The Twin Towers met and in many cases, exceeded both Port Authority and New York City fire and building codes at the time of their construction some 35 years ago. The FDNY, and many safety groups gave their approval on the buildings. “

<http://www.teamtwintowers.org/index.php?id=4,0,0,1,0,0>

[122] Unanimity of the FDNY on impossibility of collapse: [MacQueen 118] p.49 f. As an example, “whoever in their right mind would ever have thought that the World Trade Center would ever fall down...Nobody in the world, nobody would ever have thought those buildings were coming down.” (EMS Captain Mark Stone, 9110076)

[123] No history of fire collapsed steel buildings: [Jones WI p. 21]
Also: [Hufschmid PQ] p. 38.

[124] 1975 WTC fire: www.total911.info/2005/04/1975-wtc-fire-burned-six-floors-for.html

[125] 1991 Meridian Plaza fire: [Hufschmid PQ] p.38 f.

[126] First Interstate Bank fire:
http://www.lafire.com/famous_fires/880504_1stInterstateFire/050488_InterstateFire.htm

[127] Madrid fire: <http://www.cnn.com/2005/WORLD/europe/02/13/spain.block.fire/>
http://news.bbc.co.uk/media/news_web/video/40823000/nb/40823471_nb_16x9.ram

[128] Three concrete reinforced steel buildings fall in one day: [Hufschmid PQ] p. 68

[129] Romero changes his mind in less than two weeks:
<http://www.abqjournal.com/terror/pmvan09-21-01.htm>
References to “Van Romero” apparently removed from www.abqjournal.com.
[Tarpley ST] p. 224-225.
See also: http://www.serendipity.li/wot/pop_mech/reply_to_popular_mechanics.htm

[130] Romero seeking Pentagon funding:
www.serendipity.li/wot/pop_mech/reply_to_popular_mechanics.htm

[131] Koffman: <http://911research.wtc.net/talks/towers/explanations.html>
also [Hufschmid PQ] p. 16.

[132] Zdenek P. Bazant and Yong Zhou *Journal of Engineering Mechanics* ASCE. The first version was dated 9/13/01 and revisions dated 9/22/01 and 9/28/01.
<http://www.civil.northwestern.edu/people/bazant/PDF>

[133] Clifton: Does not believe fire caused towers to collapse:
<http://www.caddigest.com/subjects/wtc/select/clifton/p1.htm>
[Hufschmid PQ] p. 15.
http://www.erichufschmid.net/PainfulQuestions_2.pdf p. 2

[134] Clifton: reasons why towers not 700 deg C:
<http://www.caddigest.com/subjects/wtc/select/clifton/p8.htm>

Clifton provides a comprehensive analysis of the collapse. He concludes the towers collapsed due to aircraft impact: <http://www.caddigest.com/subjects/wtc/select/clifton/p1.htm> (8 sections)

[135] Eager : hydrocarbon fires cannot melt steel
<http://www.tms.org/pubs/journals/JOM/0112/Eagar/Eagar-0112.html>
[Hufschmid PQ] p. 16.

[136] Maximum temperature of uninsulated steel car parks:
<http://911research.wtc.net/talks/towers/explanations.html>

[137] McMichael ["Muslims Suspend Laws of Physics"]:
<http://www.Public-Action.com/911/mcmichael.html>

[138] Woman standing in WTC1 fracture: [Hufschmid PQ] p. 27.

[139] Brian Clark: Clark described his experience: "at apparently 9:03 -- I didn't check my watch -- the second plane hit the south side of our building at approximately the 78th, 79th, and 80th floors. : Miraculously, at random I turned left to Stairway A, which on the floor plate is the farthest from ... impact... we started down that stairway." The 81st floor was in darkness, but Brian used his flashlight to rescue a trapped employee. "The first five floors [down from there; i.e., the crash zone] were difficult, because in certain areas dry wall had been blown off the wall and was lying propped up against the railing. We had to move it, shove it to the side. The sprinkler system had turned on and had started to do something, but it wasn't doing its job as it should, so there was water sloshing down the stairways. It was dark. Around the 74th floor, I would say, we broke into what I call fresh air. The lights were on. It was normal conditions.. " <http://www.pbs.org/wgbh/nova/wtc/above.html>

[140] lost audiotape:
http://americanfreepress.net/08_09_02/New_York_Firefighters_/new_york_firefighters_.html

[141] Each jet estimated to have been carrying about 10,000 gallons of jet fuel:
NIST NCSTAR1: Final Report on the Collapse of the World Trade Center Towers: p. 147.

[142] FEMA estimates 4000 gallons jet fuel burned inside each tower: BPA Ch 2- p. 2-21, 2-22]

[143] Discovery channel documentary: <http://www.davesweb.cnchost.com/nwsltr43.html>

[144] S. Tower impact showing much fuel being burned outside the tower.
Image courtesy [www.serendipity.li/wot/impact2.htm]

[145] symmetrical collapse from structural weakness very unlikely: [Jones WI] p. 20..

[146] Only a handful of experts will attempt symmetrical demolition: [Jones WI] p. 29..

[147] Thomas Eager and Christopher Musso . *Why Did the World Trade Center Collapse? Science, Engineering, and Speculation. Journal of Materials (JOM) 53(12) 2001 [pp8-11]*
<http://www.tms.org/pubs/journals/JOM/0112/Eagar/Eagar-0112.html>
Same article as referenced in [92], but different source.

[148] Notion of lightweight trusses: [New York Daily News, 1/4/02 , *Fire Engineering*, 1/02]

[149] Tower schematics: <http://www.davesweb.cnchost.com/nwsltr43.html>

[150] Service core in construction:

Original image link from: <http://www.nerdcities.com/guardian/WTC/wtc-demolition.htm>

Similar images can be found at <http://www.whatreallyhappened.com/trusstheory.html>

Gordon Ross has noted that the core columns were anchored directly only to the central perimeter, while the corner perimeter columns were attached to intermediate trusses, which were attached to the core columns.

[151] Images of spires: Internet source: Jeff King:

<http://home.comcast.net/~jeffrey.king2/wsb/html/view.cgi-photo.html--SiteID-268208.html>

note the North Tower Spire is beginning to disintegrate.

[152] two somewhat narrower 110-story towers: <http://www.davesweb.cnchost.com/nwsltr43.html>

[153] Why no stutter? [Grimmer CPUT]

[154] The FEMA report 403 is available on CD from the FEMA library www.FEMA.gov/pdf/library.

The report is also available online in PDF format:

Executive Summary www.FEMA.gov/pdf/library/fema403_execsum.pdf

Chapter 1 www.FEMA.gov/pdf/library/fema403_ch1.pdf; Introduction

Chapter 2 www.FEMA.gov/pdf/library/fema403_ch2.pdf; WTC 1&2

Chapter 3 www.FEMA.gov/pdf/library/fema403_ch3.pdf; WTC 3

Chapter 4 www.FEMA.gov/pdf/library/fema403_ch4.pdf; WTC 4,5, & 6

Chapter 5 www.FEMA.gov/pdf/library/fema403_ch5.pdf; WTC 7

Chapter 6 www.FEMA.gov/pdf/library/fema403_ch6.pdf; Banker's Trust

Chapter 7 www.FEMA.gov/pdf/library/fema403_ch7.pdf; Peripheral Buildings

Chapter 8 www.FEMA.gov/pdf/library/fema403_ch8.pdf; Observations, Findings, and Recommendations

Appendix C www.FEMA.gov/pdf/library/fema403_apc.pdf

[155] FEMA BAP Executive Summary: www.FEMA.gov/pdf/library/fema403_execsum.pdf. P. 1.

[156] Ibid. p. 2. Page 2 also noted: "Over a period of many minutes, this heat [from jet fuel and office material] induced additional stresses into the damaged structural frames while simultaneously softening and weakening these frames. This additional loading and the resulting damage were sufficient to induce the collapse of both structures." Ibid. This was also noted in Chapter 8: Observations, Findings, and Recommendations, p. 8-3.

The document continues to waffle as it acknowledges the inability of the heat of burning jet fuel to explain the collapse: "The heat produced by this burning jet fuel does not by itself appear to have been sufficient to cause structural collapse. However, as the burning jet fuel spread across several floors of the building, it ignited much of the buildings' contents [paper, carpet, furniture?] causing simultaneous fires across several floors of both buildings... This additional loading and the resulting damage were sufficient to induce the collapse of both structures.."

(Fire may have contributed to collapse: Chapter 2 also notes: "Although the specific chain of events that led to the eventual collapse will probably never be identified, the following effects of fire on structures may each have contributed to the collapse in some way..." FEMA BPA Ch 2 p 25.)

[157] Events of this type, resulting in such substantial damage, are generally not considered in building design Ibid. p. 2.

[158] Floor trusses suspect: Chapter 8 www.FEMA.gov/pdf/library/fema403_ch8.pdf;

Observations, Findings, and Recommendations: Several design features have been identified that may have played a roll in allowing the buildings to collapse in the manner that they did..." these include "the type of steel floor truss system present in these buildings..." p. 8-4.

[159] More study needed on severe corrosion: [FEMA BPA Appendix C-1; C-13]

[160] Deepest Mystery: [*New York Times*] February 2002

[161] "We have no idea": Biederman *JOM, the journal of the Minerals, Metals & Materials Society*. Original JOM reference no longer found, but see:

<http://www.wpi.edu/News/Transformations/2002Spring/steel.html>. This web site notes:

"The FEMA report calls for further metallurgic investigations, and Barnett, Biederman and Sisson hope that WPI will obtain NIST funding and access to more samples. They are continuing their microscopic studies ..." See also: <http://www.cooperativeresearch.org/context.jsp?item=a091201femateam>

[162] Swiss cheese steel shocks professors::

www.wpi.edu/News/Transformations/2002Spring/steel.html

[163] Nation's leading structural engineers call FEMA BPA inadequate: *New York Times*, 12/25/01]

[164] Removal of the steel columns must stop: *Fire Engineering* January 4, 2002

[165] Trucks hauling the steel were equipped with expensive Global Positioning System (GPS) locators so they could be easily tracked. [Tarpley ST p. 229]. Curiously, no forensic examination of the debris was permitted by the "Agency in charge", the FBI. Dr. Frederick W. Mowrer, an associate professor in the Fire Protection Engineering Department at the University of Maryland: "I find the speed with which potentially important evidence has been removed and recycled to be appalling. " [NYT 12/25/01] According to Tarpley, one of the main themes of the hearings held by the House Science Committee on March 2, 2002 was the illegal eradication of evidence. Congressman Anthony D. Weiner D. NY, noted the removal of thousands of tons of evidence. [Tarpley ST p. 232 f]

[166] Congressman Boehlert <http://www.house.gov/science/hearings/full02/mar06/boehlert.htm>

[167] Glenn P. Corbett <http://www.house.gov/science/hearings/full02/mar06/corbett.htm>

[168] Corley on funding http://www.asce.org/pdf/3-6-02wtc_testimony.pdf

[169] Grucci <http://www.house.gov/science/press/107/107-175.htm>

[170] Need for a comprehensive assessment <http://www.house.gov/science/hot/wtc/letter.pdf>
<http://www.house.gov/science/press/107/107-175.htm>

[171] Know more about Titanic: [*New York Times*] 7/23/02].

[172] Demolition like characteristics: David Ray Griffin's excellent book *The 9/11 Commission Report: Omissions and Distortions* [Griffin OD] summarizes these briefly: no history of steel framed high rise collapses, before or since 9-11; small and low temperature fires; no mention of building 7 collapsing; and demolition-like features of all the collapses. [Griffin COD] p. 25 f.

[173] No reference made to comments on explosions: [MacQueen 118] p. 55.

[174] WTC1 damage due to "fireball" [*The 9/11 Commission Report* Chapter 9 p. 285]

“The fireball exploded onto numerous lower floors, including the 77th and 22nd; the West Street lobby level, and the B4 level, four stories below ground.”

[175] Battalion chief Orio Palmer reached 78th floor. [911CR] p. 301.

[176] South tower NOT a blazing inferno:

http://americanfreepress.net/08_09_02/New_York_Firefighters/new_york_firefighters.html

Original link removed from internet

[177] South Tower Stairwell A initially remained passable: [911CR] p. 293.

[178] S Tower collapsed into itself in 10 seconds: [911CR p. 305]

[179] 9/11 Commission ignores 47 core steel columns: [911 Commission Report p. 541 Note 1]

[180] Top floors of WTC1 NOT glowing red. [For example: Hufschmid PQ p 40, 58]

[181] Giuliani on tower collapse [9/11 Commission Omissions and Distortions p. 30] One official told the filmmakers: "to this day, we don't know who gave that order [to evacuate]."

<http://www.davesweb.cnchost.com/nwsltr43.html>

[182] No mention of Giuliani statement predicting tower collapse in 9/11 Commission Report:[Griffin CCD]

[183] EMT RICHARD ZARRILLO: "John came to me and said you need to go find Chief Ganci and relay the following message: that the buildings have been compromised, we need to evacuate, they're going to collapse... With a very confused look he said who told you that? I said I was just with John at OEM. OEM says the buildings are going to collapse; we need to get out."

http://graphics8.nytimes.com/packages/pdf/nyregion/20050812_WTC_GRAPHIC/9110161.PDF

[184] Authors state the commission was “set to fail.” *Without Precedent* Thomas Kean and Lee Hamilton Alfred A. Knopf 2006 p.14

[185] *Without Precedent* : Commission starved for funds and denied access:

<http://search.barnesandnoble.com/booksearch/isbninquiry.asp?ean=9780307276636&displayonly=EXC&z=y#EXC> Also see the London Guardian 9/12/2007 9/11 - the big cover-up?

by Peter Tatchell http://commentisfree.guardian.co.uk/peter_tatchell/2007/09/911_the_big_coverup.html

[186] “limited hangout”: A "limited hangout" is used by Intelligence Organization's when a clandestine operation goes bad; or, a phoney cover story blows up. When discovered the Intelligence Organization volunteers some of the truth while still managing to withhold key and damaging facts in the case.

<http://www.geocities.com/CapitolHill/2807/LtdHangout.html>

[187] Zelikow interviewed as part of inquiry [1/15/04 UPI]

[188] Power of executive director: 11/21/03 [www.tomflocco.com]

[189] Kevin Barrett MUJCA news [<http://www.mujca.com/nofly.htm>]

[190] All Commission member have potential conflicts of interest:

http://www.cooperativeresearch.org/entity.jsp?entity=9/11_commission

[191] 9/11 Victim families complained of Zelikow's conflicts of interest [10/14/03 Washington Post]

See also reproduction of 11/21/03 NYT article

http://www.seattle911visibilityproject.org/nyt_21_nov_03.htm

[192] 9/11 victim family members demand Zelikow resignation:

[\[http://www.cooperativeresearch.org/entity.jsp?entity=9/11_commission&startpos=100\]](http://www.cooperativeresearch.org/entity.jsp?entity=9/11_commission&startpos=100)

2008 book by Phillip Shendon confirms conflict of interest existed: *The Uncensored History of the 9/11 Investigation* by Philip Shenon Feb 2008 TWELVE Books

[193] commission accepted 9/11 redacted audiotapes "revealed"

<http://www.npr.org/templates/story/story.php?storyId=4797889>

[194] Discrediting of emergency services, especially NYFD: [Tarpley ST] p. 232.

[195] Silverstein Studies: Report Ties WTC Collapses to Column Failures:

<http://www.construction.com/NewsCenter/Headlines/ENR/20021025b.asp>

alternate source: *Engineering News Record (ENR)* (10/25/2002)

<http://enr.construction.com/news/buildings/archives/021025.asp> "The engineering team is comprised of: Weidlinger Associates Inc., led by Matthys Levy and Najib Abboud; LZA Technology/Thornton-Tomasetti Group, led by Daniel Cuoco and Gary Panariello; ARUPFire, led by Richard Custer; Hughes Associates Inc., led by Craig Beyler; SafirRosetti, led by Howard Safir; Hillman Environmental Group, led by Christopher Hillmann and John B. Glass Jr.; RWDI, led by Peter Irwin; Dr. W. Gene Corley, who led the ASCE-FEMA study; Professor Sean Ahearn; and Z-Axis Corp., led by Gary Freed and Alan Treibitz."

[196] - Matthys Levy, co author Why buildings Fall Down, statement:

http://www.whatreallyhappened.com/9-11_wtc_videos.html See also

<http://911exposed.org/WTC1.htm> See also plaguepuppy (Jeff King's) comments on Levy's statement at

http://www.democraticunderground.com/discuss/duboard.php?az=view_all&address=125x8187

[197] Skyscraper Safety Campaign led to NIST WTC study:

<http://www.fcny.org/scripts/usq/getpage02.pl?orgid=0219>

<http://www.skyscrapersafety.org/html/nist.html>

[198] NIST charged with determining cause of collapse:

[\[http://wtc.nist.gov/pubs/NCSTAR1ExecutiveSummary.pdf\]](http://wtc.nist.gov/pubs/NCSTAR1ExecutiveSummary.pdf) p. xli.

[199] The final NIST WTC Towers study (NCSTAR1) document may be ordered through the National Technical Information Service ([www.ntis](http://www.ntis.gov)), document number PB2006-100819

NCEI 8/01/2005 (1 August 2005)

<http://www.nceplus.co.uk/fastsearch/ArchiveArticleAssetPT/?AID=21800>

The 43 section, 10,000 page report is the result of a \$17M, three year investigation by the US National Institute for Standards & Technology (NIST).

NIST WTC study website [<http://wtc.nist.gov/pubs>]

Final Reports of the Federal Building and Fire Investigation of the World Trade Center Disaster

http://wtc.nist.gov/reports_october05.htm

[NIST NCSTAR 1: Federal Building and Fire Safety Investigation of the World Trade Center Disaster: Final Report of the National Construction Safety Team on the Collapses of the World Trade Center Tower](#)

Companion Reports: NCSTAR 1-1 through NCSTAR 1-8

NIST NCSTAR 1-1: [Design, Construction, and Maintenance of Structural and Life Safety Systems](#)

NIST NCSTAR 1-2: [Baseline Structural Performance and Aircraft Impact Damage Analysis of the World Trade Center Towers](#)

NIST NCSTAR 1-3: [Mechanical and Metallurgical Analysis of Structural Steel](#)

NIST NCSTAR 1-4: [Active Fire Protection Systems](#)

NIST NCSTAR 1-5: [Reconstruction of the Fires in the World Trade Center Towers](#)

NIST NCSTAR 1-6: [Structural Fire Response and Probable Collapse Sequence of the World Trade Center Towers](#)

NIST NCSTAR 1-7: [Occupant Behavior, Egress, and Emergency Communication](#)

NIST NCSTAR 1-8: [The Emergency Response Operations](#)

[200] NIST is a non-regulatory agency of the U.S. Department of Commerce
<http://wtc.nist.gov/pubs/NCSTAR1ExecutiveSummary.pdf> p. xli.

[201] Official Cause of the Collapse
<http://wtc.nist.gov/NISTNCSTAR1CollapseofTowers.pdf> p. xxxvii.

[202] NIST final report Executive Summary: accumulated documents, interview of witnesses, lab tests and computer simulations [NIST NCSTAR 1] p. xiii, xxxvi, xxxvii.

[203] NIST performance: *The NIST World Trade Center Report: A New Standard for Deception* by Kevin Ryan.

video: <http://video.google.com/videoplay?docid=718236659434732032>

text: http://911research.wtc7.net/reviews/kevin_ryan/newstandard.html

ppt: http://www.911scholars.org/PPT_Presentations.html : [Ryan NSD] slide 32 of 70 f.

[204] Frank A. Demartini : History Channel link:
<http://store.aetv.com/html/product/index.jhtml?id=70487>]

[205] NY Port Authority analysis prediction on effect of 707 impact on WTC:

NIST NCSTAR 1 Section 5.3.2 See also:

http://wtc.nist.gov/pubs/factsheets/faqs_8_2006.htm See also

<http://wtc.nist.gov/pubs/NCSTAR1-2ExecutiveSummary.pdf> p. cxii.

[206] Eduardo Kausel on aircraft impact: “It has been reported that the towers were designed for the impact of a 707. ..Considering that one of the towers survived for at nearly an hour, and the other

almost two hours before collapsing, this appears to validate this claim. It has also been opined by some, among them the building's architects, that the towers did ultimately fail because the 767 is a far bigger jet carrying much more fuel than the design 707 aircraft. This view is largely incorrect. The takeoff weight of a fully loaded Boeing 707-320 is 336000 lbs., and carries a fuel load of 23000 gallons of jet fuel. By contrast, the maximum takeoff weight of a 767-200 is some 395000 lbs., and carries a fuel load of 24000 gallons. ... Thus while the 767 is a somewhat larger aircraft, it is not significantly so, while its amount of fuel load is nearly the same as in the 707. In addition, both ill-fated planes were only lightly loaded with passengers, so they did not carry their full take off weight.

<http://web.mit.edu/newsoffice/nr/2001/skyscrapers.pdf> [Link no longer works]

Ultimately, however, the intense fire heated the structural steel elements well beyond the thermal limit of some 800 degrees Fahrenheit, which caused the steel to lose resistance or even melt, and as supporting members gave way, the final failure of the building was initiated."

<http://web.mit.edu/newsoffice/2001/wtc-cee.html>

[207] John Skilling: Glanz and Lipton, p. 138. : [Ryan NSD] slide 19 of 70.

http://www.cooperativeresearch.org/entity.jsp?entity=john_skilling_1 notes: "In the wake of the WTC bombing, the Seattle Times interviews John Skilling who was one of the two structural engineers responsible for designing the Trade Center. Skilling recounts his people having carried out an analysis which found the Twin Towers could withstand the impact of a Boeing 707. He says, "Our analysis indicated the biggest problem would be the fact that all the fuel (from the airplane) would dump into the building. There would be a horrendous fire. A lot of people would be killed." But, he says, "The building structure would still be there." [*Seattle Times*, 2/27/1993] The analysis Skilling is referring to is likely one done in early 1964, during the design phase of the towers. A three-page white paper, dated February 3, 1964, described its findings: "The buildings have been investigated and found to be safe in an assumed collision with a large jet airliner (Boeing 707—DC 8) traveling at 600 miles per hour. Analysis indicates that such collision would result in only local damage which could not cause collapse or substantial damage to the building and would not endanger the lives and safety of occupants not in the immediate area of impact." However, besides this paper, no documents are known detailing how this analysis was made. [*Glanz and Lipton*, 2004, pp. 131-132; *Lew, Bukowski, and Carino*, 10/2005, pp. 70-71] The other structural engineer who designed the towers, Leslie Robertson, carried out a second study later in 1964, of how the towers would handle the impact of a 707 (see [Between September 3, 2001 and September 7, 2001](#)). However, the National Institute of Standards and Technology (NIST), following its three-year investigation into the WTC collapses, will in 2005 state that it has been 'unable to locate any evidence to indicate consideration of the extent of impact-induced structural damage or the size of a fire that could be created by thousands of gallons of jet fuel.'" [*National Institute of Standards and Technology*, 9/2005, pp. 13]

[208] 25% of the peripheral columns could be removed: *Engineering News-Record* April 2, 1964

[209] NIST on load distribution increase after impact:

<http://wtc.nist.gov/pubs/NISTNCSTAR1Draft.pdf> p.142-143.

[210] Loads could be increased by a factor of 20: *Engineering News-Record*, April 2, 1964.

[211] NIST interviews: [Ryan NSD] slide 38 of 70 f.

[212] NIST had Oral Histories [MacQueen] p. 56.

[213] NIST on max steel temperatures reached <http://wtc.nist.gov/pubs/NCSTAR1-3ExecutiveSummary.pdf> p. xli. Of particular interest in the study is project #3: Analysis of the Structural Steel, a PDF power point presentation credited to Project Leader Frank Gayle, Sc.D. The

October 20 2004 update notes in Task 5- “Characterize thermal excursions of steel...136 distinct samples (many from the fire floor)” were evaluated “with no spheroidization observed, and thus no significant steel temperatures over 625 deg. C.” Findings include the following: “Of more than 170 areas examined on the exterior panels, only three locations had a positive result indication that the steel may have reached temperatures in excess of 250 deg C.” Remember that jet fuel burns at a maximum temperature of 1000 Deg. C., and steel melts at 1500 deg. C.

[214] NIST on “Collapse initiation” 15. <http://wtc.nist.gov/pubs/NCSTAR1ExecutiveSummary.pdf> p. xliii f.

[215] Kevin Ryan letter to Frank Gayle: [Ryan 2004]
http://www.americanfreepress.net/html/key_researcher.html
<http://www.prisonplanet.com/articles/november2004/121104easilywithstood.htm>

[216] Kevin Ryan on UL testing of steel components of the WTC buildings:
http://worldtradecentertruth.com/Article_1_Ryan5.pdf p. 3
[Ryan NSD] slide 36 of 70.

[217] Kevin Ryan images:
Large: http://www.cooperativeresearch.org/events-images/a115_kevin_ryan_2050081722-9331.jpg
Small: <http://www.patriotsquestion911.com>

[218] Frank Gayle image:
http://www.dukemagazine.duke.edu/dukemag/issues/091003/images/lg_fgayle-wtc_2483.jpg

[219] Kevin Ryan fired: Email to David Ray Griffin:
Reprint of article by JOHN DOBBERSTEIN for South Bend Tribune 22nov04.
<http://www.mindfully.org/Reform/2004/Kevin-R-Ryan22nov04.htm>
image from http://www.cooperativeresearch.org/events-images/a115_kevin_ryan_2050081722-9331.jpg

[220] NIST admits test trusses do not fail: <http://wtc.nist.gov/pubs/NISTNCSTAR1-6Draft.pdf> p. 315

[221] Test temperature profile: [<http://www.bia.org/BIA/technotes/t16.htm>]

[222] Size of columns: <http://guardian.150m.com/wtc/eng-news-record.htm>

[223] Change to I beams above 85th floor: [Grimmer CPUT]
www.FEMA.gov/pdf/library/fema403_ch1.pdf p. 2-3]: “Connecting strength varied throughout the building, ranging from four bolts at the upper stories to six bolts at the lower stories.
Ibid p. 2-5: The core consisted of 5 inch concrete fill on metal deck supported by floor framing of rolled structural shapes, in turn supported by a combination of wide flange shapes and box section columns. Some of these columns were very large, with cross sections measuring 14 inches wide by 36 inches deep. In the upper stories, these rectangular box columns transitioned into heavy rolled wide flange shapes.”

[224] Thickness of perimeter columns decreases with altitude: [Hufschmid PQ p. 24]

[225] Upper 16 of the 110 floor system, or 14.5 % of the floors, weighed only about 12.7 % of the total building weight: This follows from the facts just established. As previously noted, a much higher percentage of fuel burned up outside the South Tower due to the oblique strike of the aircraft, so the North Tower had larger and hotter fires. Yet the South Tower fell first, at 9:59 am. How was this

possible? John Seabrook wrote in the *New Yorker*, “among the dozens of people I have spoken to recently who are experts in the construction of tall buildings, only one said he knew immediately the towers were coming down. That was Mark Loizeaux, President of Controlled Demolition Incorporated (CDI), the company tasked with WTC cleanup. According to Tarpley, Loizeaux thought “Somebody’s got to tell the fire department to get out of there.” He also said he could predict that the south tower would collapse first, because it was hit lower down. [The New Yorker: November 19 2001] His primary argument is that two thirds of the peripheral columns on the side of the building hit were broken. [Tarpley ST p. 240.] This argument ignores two facts: 1) The main load bearing elements were the 47 massive steel core columns, not the peripheral columns, and 2) As just noted, core column as well as perimeter column thickness varied from very thick at bottom to thinner at top to compensate for decreasing load at the higher tower elevations. Note also that FEMA lead engineer Gene Corley said he knew the towers were coming down.

The FEMA BPA Report also notes lighter construction of higher floors, but uses this fact to argue for a weaker structure:

“The core columns were not designed to resist wind loads.... The outrigger trusses at the top of the building shifted additional loads to the remaining core columns, further eroding the factor of safety. This would have been particularly significant in the upper portion of the damaged building. In this region, the original design load for the core columns was less than at the lower floors, and the columns sections were relatively light.” [FEMA BPA] Ch. 2 p. 27.

[226] Building Natural Period :. [<http://wtc.nist.gov/pubs/NCSTAR1-2ExecutiveSummary.pdf>] p. cxiv.

[227] Aircraft Impact Damage Estimates : NIST NCSTAR1 (PB2006100819.pdf) Collapse of the World Trade Center Towers, Final Report Ch 5 section 6.9 p. 112.

[228] *ibid.* p 104.

[229]

Case A

wtc1 443 mph

core columns 3 severed 4 heavy damage 5 moderate damage 1 light damage 34 undamaged

peripheral columns 36

Case B

wtc1 472 mph

core columns 6 severed 3 heavy damage 6 moderate damage 5 light damage 27 undamaged

peripheral columns 29

Case C

wtc2 542 mph

core columns 5 severed 4 heavy damage 1 moderate damage 0 light damage 37 undamaged

peripheral columns 34

Case D

wtc2 570 mph

core columns 10 severed 1 heavy damage 6 moderate damage 5 light damage 25 undamaged

peripheral columns 34

ibid. p 109.

[230] Composite floor plan showing aircraft damage to North Tower. NIST figures 6-21 and 6-22 *ibid.* p 114-115.

[231] Figure purporting to show aircraft damage to WTC1 from <http://www.debunking911.com/fires.htm>

[232] Richard Gage: *9/11 Blueprint for Truth; The Architecture of Destruction* DVD see <http://www.ae911truth.org>

[233] Frames show upper block collapses before the lower block: Video frames of N. Tower Antenna: http://911research.wtc7.net/wtc/evidence/videos/wtc1_close_frames.html

[234] Collapse of South Tower: Photo 1: "The Soldier photo;" photos 2 and 3 Courtesy www.serendipity.li.

[www.serendipity.li/wot/collapse.htm]

see: [www.911research.com/wtc/evidence/videos/docs/south_tower_collapse.mpeg]

also [Hufschmid PQ] p. 44.

[235] Top 34 floors turn to dust: [Jones WI] p. 28.

[236] Brent Blanchard, senior writer at Implosion-World.com, recently published an argument as to why the WTC collapses could not be demolitions. In attempting to account for the giant "mushroom" cloud effect around the building perimeters during collapse, he states in his report: "With the weight and mass of the upper sections forcing the floor trusses below rapidly downward, there was no way for outer perimeter walls to fall in, so they had to fall out. A review of all photographic images clearly shows about 95% of falling debris being forced away from the footprint of the structure."

[[www.jod911.com/WTC COLLAPSE STUDY BBlanchard 8-8-06.pdf](http://www.jod911.com/WTC_COLLAPSE_STUDY_BBlanchard_8-8-06.pdf)]

[237] Portion of WTC apparently hanging in mid air <http://911exposed.org/WTC1.htm>

[238] NIST Mantra: energy of the downward movement exceeded the strain energy [<http://wtc.nist.gov/pubs/NISTNCSTAR1-6Draft.pdf>] p. lxiii.

[239] NIST only considers events up to "collapse initiation": [<http://wtc.nist.gov/pubs/NCSTAR1-6ExecutiveSummary.pdf>] p. xiv.

[240] progressive collapse left out of models: *Ibid.*, p. lxii.

[241] Sami Yli-Karjanmaa: NIST and the WTC: "Science" at the Service of an Empire <http://www.saunalahti.fi/wtc2001/nistcomm.htm> (Revised from <http://www.saunalahti.fi/wtc2001/nistcomm.htm#R3>) at Mr. Yli-Karjanmaa's request)

[242] where the NIST analysis left off: Manuel Garcia:

in describing the collapse of the lower floors of the towers Garcia provides a floor by floor "force balance" equation: "I continued this particular calculation, floor by floor" and merely repeats the NIST mantra, applied to each floor successively to account for a floor by floor collapse. Garcia brings in the theory of elasticity, but only to support the NIST conception of global collapse; noting the destructive aspects of high velocity wave trains and stress concentrations. He ignores the fact that the load from the upper collapsing floors is distributed throughout both the upper and lower floors, not just absorbed by the single top floor of the lower block. This distribution of stress makes it much more possible that the lower floors would survive such an impact.

<http://www.counterpunch.org/physic11282006.html>

[243] Theory of elasticity applied: Journal of 9/11 Studies, Volume 1 2006
Momentum Transfer Analysis of the Collapse of the Upper Stories of WTC1
[\[www.journalof911studies.com/articles/Journal_5_PTransferRoss.pdf\]](http://www.journalof911studies.com/articles/Journal_5_PTransferRoss.pdf)

Dr. Frank Greening has challenged Ross' article, contending that it is incorrect in at least four ways:
An error in the calculation of the kinetic energy of the falling top block;
An overestimation of the amount of energy required to pulverize WTC concrete;
The argument that the initial elastic deflection would propagate 24 stories below the impact area;
The use of a safety factor of four in the calculation of the elastic strain energy.

[\[www.journalof911studies.com/articles/Article_2_Greening.pdf\]](http://www.journalof911studies.com/articles/Article_2_Greening.pdf)

Ross has responded to note that if all of Dr. Greening's own arguments, corrections, contentions, figures, and reasoning were used, the resulting analysis would still show the collapse arrested at an early stage. [\[www.journalof911studies.com/articles/Article_3_RossReply.pdf\]](http://www.journalof911studies.com/articles/Article_3_RossReply.pdf)

[244] NIST investigation also omitted or distorted many other important aspects of the collapses
[Ryan NSD] slide 66 of 70.
[Jones WI] p. 18 of 47.

[245] NIST failed to provide follow up study on an unusual sulfur residue
[Ryan NSD] slide 29 of 70.
[Jones WI] p. 22 of 47.

[246] Jones agrees with Ryan on NIST analysis: [Jones WI] p. 36

[247] computerized models less than convincing: [Jones WI] p. 36

[248] NIST "adjusts model" : [Jones WI] p. 36.

[249] Jones: "What about" : [Jones WI] p. 37.

[250] Statistical analysis; where does this leave us?
[Jones WI] p. 40.

[251] Abdolhasan Astaneh Asl on effects of 767 impact on WTC:
<http://archives.cnn.com/2001/US/10/05/inv.attacks.steel/index.html>

[252] NCEI 1 August 2005, "Hat truss theory adds to WTC collapse controversy,"
<http://www.nceplus.co.uk/fastsearch/ArchiveArticleAssetPT/?AID=21810>

[253] NCEI 1 November 2005, "Investigators resist call for collapse visualization,"
<<<http://www.nceplus.co.uk/fastsearch/ArchiveArticleAssetPT/?AID=22994>>>

[254] Alan Miller on James Quintiere. Miller is webmaster for www.patriotsquestion911.com. His article appears at
http://www.opednews.com/articles/genera_alan_mil_070820_former_chief_of_nist.htm

[255] Note similarities to comments by Colin Bailey

[256] Quintiere. Comments.
http://www.opednews.com/articles/genera_alan_mil_070820_former_chief_of_nist.htm

[257] Purdue study location <http://www.purdue.edu/UNS/html4ever/2006/060911.Sozen.WTC.html>

[258] Purdue study “supports” NIST study. http://www.usatoday.com/tech/news/2007-06-20-fireproofing-wtc-collapse_N.htm

[259] Prison Planet: <http://www.prisonplanet.com/articles/june2007/220607study.htm>. The board of the NSF was appointed by George W. Bush and confirmed by the United States Senate. Its director, Dr. Arden L. Bement Jr. has worked for the Department of defense, where he was under secretary for research and engineering, and DARPA (the Defense Advanced Research Projects Agency), which is responsible for the development of new technology for use by the military and famed for its black op projects and offshoot offices.

[260] *ibid.* Note: Sozen also studied the crash site at of “Flight 77” at the Pentagon: <http://www.cooperativeresearch.org/context.jsp?item=a091402pentagoninvestigation>: The American Society of Civil Engineers (ASCE) studies the crash of Flight 77 into the Pentagon and the building’s architectural response to the impact, blast, and subsequent fires. [*American Society of Civil Engineers, 1/17/2003*] The six-member Pentagon Building Performance Study team is headed by Lead Technical Director Paul F. Mlakar, and also includes Mete A. Sozen. Mlakar and Sozen had previously worked together on the Federal Emergency Management Agency (FEMA) investigation into the Oklahoma City bombing under W. Gene Corley

[261] Link to Nick Irving’s paper, *Purdue 9/11 Animation: Politics, not Science* posted June 23 2007 not functional at the time of this writing. <http://911scholars.org/>

[262] Kevin Ryan’s open letter to Purdue University President <http://stj911.org/ryan/PurdueLetter.html>

[263] Note 3 of Ryan’s letter: [3] A. Irfanoglu and C. Hoffmann, An Engineering Perspective of the Collapse of WTC-1, *J. of Performance of Constructed Facilities*, ASCE, 06/2007, http://www.cs.purdue.edu/homes/cmh/simulation/phase3/WTC-1_EP.pdf Interestingly, this link does not work.

[264] Purdue Model of WTC Impact Conflicts with Federal Study http://enr.ecnext.com/coms2/summary_0271-43404_ITM

[265] Secrecy of NIST construction advisory committee: <http://query.nytimes.com/search/restricted/article?res=FA0E10FD3D5B0C718DDDA80994DC404482> (archived)

[266] Ed Haas: The real goal of the NIST investigation. Team Liberty website: <http://www.muckrakerreport.com>

[267] Scholars for 9/11 Truth announcement of filing of challenges to NIST’s WTC collapse investigation. The complaints were filed by Ed Haas, on the WTC7 investigation, Dr. Morgan Reynolds on the issue of apparent impact anomalies, and Dr. Judy Wood on the WTC1 and WTC2 investigation. The complainants are represented by Jerry Leaphart, a Connecticut-based trial lawyer, who is also a member of Scholars. <http://911scholars.org/Scholarsfilechallenges.html>

The complaints are archived and available to the public at [\[www.ocio.os.doc.gov/ITPolicyandPrograms/Information_Quality/PROD01_002619\]](http://www.ocio.os.doc.gov/ITPolicyandPrograms/Information_Quality/PROD01_002619)

[268] Memorandum from Jerry V. Leaphart, Attorney http://911scholars.org/Media/DEW/jvl_memorandum.pdf
The memorandum notes the following statement from ARA's website:

Directed Energy Award: ARA was recently recognized at a directed energy symposium in Washington, D.C. as a Founding Sponsor of the Directed Energy Professional Society (DEPS). DEPS was founded in 1999 to foster research and development of directed energy technology for national defense and civil applications through professional communication and education.

<http://www.ara.com/careers/awards.htm>

"The Directed Energy Directorate is one of 10 similarly-sized subordinate units that comprise Air Force Research Laboratory, the Department of Defense's largest laboratory, headquartered at [Wright-Patterson Air Force Base](#), Ohio. With approximately 6,000 military and civilian employees at nine bases throughout the United States, Air Force Research Laboratory is responsible for research and technology development in support of the Air Force's future and existing aerospace and space weapons systems."

<http://www.de.afrl.af.mil>

[269] http://stj911.org/press_releases/NIST.html

[270] NIST response to *Scholars for 9/11 Truth and Justice* et al. April 14 2007 Request For Correction. <http://www.911proof.com/NIST.pdf> [NIST Response S911TJ RFC1]

[271] [NIST Response S911TJ RFC1] p. 3.

[272] [NIST Response S911TJ RFC1] p. 4.

[273] [NIST Response S911TJ RFC1] p. 4

NIST collapse mantra: It is clear from the available evidence that the building was unable to resist the falling mass, because it collapsed, didn't it? no calculation involved. See Sami Yli-Karjanmaa. This response does not address elastic deformation of upper and lower blocks.

[274] [NIST Response S911TJ RFC1] p. 4-5.

[275] [NIST Response S911TJ RFC1] p. 4.

[276] About Patriots Question 9/11: www.PatriotsQuestion911.com/about

[277] Architects and Engineers for 9/11 Truth: [www.ae911truth.org]

[278] BPT Chapters 1,2

[279] Continuity of faces:[Ryan NSD] slide 23-24 of 70.

[280] Same engineers called in on WTC & Murrah: [Ryan NSD] slide 11 of 70.

[281] Corley "knew": [Ryan NSD] slide 12 of 70.

[282] Tomasetti cleared recycling of steel: [Ryan NSD] slide 13 of 70.

[283] Thornton on the NIST Advisory Committee:
[NIST NCSTAR 1] p. xxxi.

[284]

Brief internet background of most prominent engineers supporting the official WTC investigations.
Gene Corley:

Dr. W. Gene Corley, Senior Vice President of Construction Technology Laboratories (CTL) of Skokie, Ill. CTL is a subsidiary of the Portland Cement Association and "provides structural and architectural engineering, testing, and materials technology services throughout the U.S. and internationally." According to its website, "CTL's expertise extends beyond cement and concrete, encompassing virtually all structural systems and construction materials." Christopher Bollyn American Free Press
<http://www.pushpullbar.com/forums/showthread.php?t=3487&page=8>

Charles H. Thornton

"I nicknamed my father 'Preacher Charlie' because he lectured us a lot" mostly about working hard, staying in school and lending a helping hand, says Thornton, who at age 61 is chairman of The Thornton-Tomasetti Group Inc., New York City. T-T is a multidisciplinary engineering firm with credits that include the world's tallest building—the 452-meter twin Petronas Towers in Kuala Lumpur, Malaysia. For championing ACE [Thornton was founder and Chairman for ACE, a non-profit organization that, each year offers guidance and training to inner city high school students in architecture, construction and engineering in cities across the US]; for being the consummate mentor and role model; for coming to the aid of an industry in brain-drain mode; for taking ACE national, Engineering News-Record has singled out Charles H. Thornton as its 2001 Award of Excellence winner.
<http://www.construction.com/NewsCenter/it/features/01-20010423.asp>

The Thornton-Tomasetti Group is, as WSH&J and its progeny, a world class structural engineering firm
<http://www.emporis.com/en/cd/cm/?id=thorntontomasettiengineers-newyorkcity-ny-usa>

Richard L. Tomasetti

As of 2006, "Hon. AIA, chairman and co-founder of Thornton-Tomasetti and one of New York City's preeminent leaders in structural engineering and design, has been elected Chairman of the New York Building Foundation, the charitable arm of the New York Building Congress.

"Richard Tomasetti represents the continued strength of this industry as well as the vitality of the New York Building Congress, which has been fortunate to have consistently outstanding leadership," said Building Congress President Richard T. Anderson.

<http://www.buildingcongress.com/code/press/2006-04.htm>

Paul Mlakar

Dr. Paul F. Mlakar was recently selected to the position of Senior Research Scientist for Weapons Effects and Structural Dynamics at the U.S. Army Engineer Research and Development Center (ERDC) in Vicksburg, Miss.

http://www.erd.usace.army.mil/pls/erdcpub/www_org_info.show_page?f_id=61079&f_parent=55173

Mete Sozen

Kettelhut Distinguished Professor of Structural Engineering at Purdue University
https://engineering.purdue.edu/CE/People/view_person?resource_id=2260

He has worked on a wide range of problems in the field of structural engineering with emphasis on dynamic effects in earthquakes, explosions, and impact. Mete Sozen is an honorary member of the Turkish Society of Scientists and Engineers, the American Society of Civil Engineers, and the American Concrete Institute. International Symposium on Interaction of the Effects of Munitions with Structures 2007:

<http://www.turnkeyoffice.com/isiems.html>

[285] Same engineers appear to support different failure mechanisms in different studies: [Ryan NSD] slide 25 of 70.

[286] WTC1 Antenna

Review of the videotape recordings of the collapse taken from various angles indicates that the transmission tower on top of the structure began to move downward and laterally slightly before movement was evident at the exterior wall. This suggests that collapse began with one or more failures in the central core area of the building. This is consistent with the observations of debris patterns from the 91st floor, previously discussed. This is also supported in preliminary evaluation of the load carrying capacity of these columns. [www.FEMA.gov/pdf/library/fema403_ch2.pdf 2-27]

See http://911research.wtc7.net/wtc/evidence/videos/wtc1_close_frames.html ;
also <http://home.comcast.net/~skydrifter/collapse.htm> Note: Hufschmid originally noted this [Hufschmid PQ] p. 58. Failure of the central column is consistent with controlled demolition.

[287] NYT WTC1 Antenna:

[James Glanz and Eric Lipton, *City in the Sky; The Rise and Fall of the World Trade Center* 2002)

[288] NIST on WTC1 Antenna:

[289] Jones on WTC 1 Antenna:

[290] FEMA: amount of jet fuel on board at impact: BPA Ch 2- p. 15];

[291] FEMA: amount of jet fuel burned inside towers: BPA Ch 2- p. 2-21, 2-22];

[292] NIST Executive Summary :fuel burned p.147

[293] NIST Chapter 1-5: fuel burned "Reconstruction of the fires in the WTC towers" [E.8.2] "Characteristics of the Fires" p.1 :

[294] NIST Chapter 1-5, fuel burned p 9. WTC1

[295] NIST Chapter 1-5, fuel burned p.24: "... The fireballs continued to expand and rise for several more seconds before receding. Videos indicated that the fireball on the east face lasted 11 s, that on the north face lasted 10 s, and that the small fireball on the south face lasted for about 8 seconds. An analysis similar to that for WTC 1 indicated that less than one sixth of the jet fuel burned immediately within the building. Three previous estimates (McAllister 2002, and two in Baum and Rehm 2005) found that about 10 percent to 25 percent of the total jet fuel burned outside WTC 2. Since most of the fuel that formed the fireballs came from the starboard fuel tank, this suggested that 20 percent to 50 percent of this fuel burned externally with another few percent consumed inside the building. The remainder of the fuel was left behind in the tower following the initial fire. Almost all of the fuel in the aircraft's port tank was also inside, primarily on the 78th and 79th floors. There was no visual evidence that the fuel from the port tank fuel burned in the short term."

[296] Mete Sozen on fuel burned in towers:

<http://www.purdue.edu/UNS/html4ever/2006/060911.Sozen.WTC.html>

[297] Density of dust clouds move vehicles and break windows: [FEMA BPA] Ch. 1 p.1-8.

[298] Cushion of air fans fire in upper tower: [FEMA BPA] 2-27

[299] “surmised a bomb had exploded”: [911CR]: p. 306.

[300] 9/11 Commission, FEMA, and NIST did not address the well documented presence of molten metal in WTC basements: [Jones WI] p. 18 of 47. (Note: NIST did discuss, summarily, molten metal flowing. See Alternative theories, Jones.)

[301] www.FEMA.gov/pdf/library/fema403_ch1.pdf p.1-17: “The WTC towers were the first structures outside of the military and the nuclear industries whose design considered the impact of a jet airliner, the Boeing 707. It was assumed in the 1960s design analysis for the WTC towers that an aircraft, lost in fog and seeking to land at a nearby airport, like the B-25 Mitchell bomber that struck the Empire State Building on July 28, 1945, might strike a WTC tower while low on fuel and at landing speeds.”

[302] Rebut of FEMA comments on 707 impact properties.

<http://colorado.indiamedia.org.newswire/display/4221/index.php>

[303] Effect of airplanes on Towers: [FEMA BPA] Ch2 p. 2-15.

[304] Abdolhasan Astaneh Asl on effects of 767 impact on WTC:

<http://archives.cnn.com/2001/US/10/05/inv.attacks.steel/index.html>

[305] Silverstein report fire temperatures were lower than typical; see note on Silverstein study.

[306] FEMA report references to “progressive” and “pancake/ing”:

Executive Summary: The term “pancake” occurs 0 times.

The term “progressive collapse” occurs in the following text:

p. 4: “WTC 5, WTC 7, 90 West Street, the Bankers Trust building, the Verizon building, and World Financial Center 3 were impacted by large debris from the collapsing towers and suffered structural damage, but arrested collapse to localized areas. The performance of these buildings demonstrates the inherent ability of redundant steel-framed structures to withstand extensive damage from earthquakes, blasts, and other extreme events without progressive collapse.”

p. 5: The structural, fire protection, mechanical, architectural, blast, explosion, earthquake, and wind engineering communities need to work together to develop guidance for vulnerability assessment, retrofit, and design of concrete and steel structures to mitigate or reduce the probability of progressive collapse under single-and multiple-hazard scenarios.”

Chapter 1 Introduction: “Pancake” occurs 0 times

“Progressive” : detail captured in p.4 of Executive Summary

Ch 2 WTC 1 & WTC 2

2.2.1.5 Progression of Collapse: “Pancake” occurs one time:

WTC1: p. 2-25

“Although the specific chain of events that led to the eventual collapse will probably never be identified, the following effects of fire on structures may each have contributed to the collapse in some way.”

“In addition to overloading the floors below, and potentially resulting in a pancake-type collapse of successive floors, local floor collapse would also immediately increase the laterally unsupported length of the columns, permitting buckling to begin.

“progressive”:

WTC 1 remained standing for a period of approximately 1 hour and 43 minutes, following the initiation of impact; WTC 2 remained standing for approximately 56 minutes following impact. The second event was the simultaneous ignition and growth of fires over large floor areas on several levels of the buildings. The fires heated the structural systems, and over a period of time, resulted in additional stressing of the damaged structure, as well as sufficient additional damage and strength loss to initiate the third event, a progressive sequence of failures that culminated in total collapse of both structures, 2-15.

p. 2-27

Construction of WTC1 resulted in the storage of more than 4×10^{11} joules of potential energy...Once collapse initiated, much of this potential energy was rapidly converted into kinetic energy. As the large mass of the collapsing floors above accelerated and impacted the floors below, it caused an immediate progressive series of failures, punching each in turn into the floor below, accelerating as the sequence progressed. As the floors collapse, this left tall freestanding portions of the exterior wall and possibly central core columns. As the unsupported height of these freestanding exterior wall elements increased, they buckled at the bolted column splice connections, and also collapsed. Perimeter walls of the building seem to have peeled off and fallen directly away from the building face, while portions of the core fell in a somewhat random manner. The perimeter walls broke apart at the bolted sections, allowing individual prefabricated units that formed the wall, or in some cases, large assemblies of these units to fall to the street and onto neighboring buildings below.

WTC2 p. 2-35: The same types of structural behaviors....are equally likely to have occurred in WTC2, resulting in the initiation of progressive collapse...

Appendix B & Appendix C: No references to “progressive” or “pancak/ing”

[307] Popular Mechanics, a Hearst Publication, on “pancaking”:

http://www.popularmechanics.com/technology/military_law/1227842.html?page=4

[308] “Where is the delay that must be expected”: [Jones WI] p. 27.

[309] Tower tops in free fall: Both Dr. Steven Jones and Richard Gage, AIA, have used this illustration. This image is from Journal of 911studies May 2007: Revisiting 9/11/2001—Applying the Scientific Method <http://wtc.nist.gov/media/JonesWTC911SciMethod.pdf> p. 67.

[310] Shyam Sunder on puffs of dust:

http://www.popularmechanics.com/technology/military_law/1227842.html?page=4

[311] 1368 ft divided by 110 floors gives the height per floor of 12.4 ft.. $g=32.2$ ft/sec square. Using the equation $\text{SQRT}\{(\text{distance} * 2)/g\} = (\text{Time})$, it takes about 9.2 seconds for an object to fall from the top of the towers (1300ft) to the ground.

.88 seconds for freefall of one floor can be obtained from the equation $\text{distance} = \frac{1}{2} * g * (\text{time})^{**2}$ where distance is 12.4 ft.

Or $2 * 12.4 = 32.2 (\text{time}) \text{ squared}$ or $.772445 = (\text{time}) \text{ squared}$ or $\text{time} = .88 \text{ seconds}$

[312] Floor by floor “pancake”: Judy Wood, PhD Billiard Ball paper:

<http://janedoe0911.tripod.com/BilliardBalls.html>

<http://janedoe0911.tripod.com/BilliardBalls.html#c3>

[313] Floors broken in advance of collapse front: Judy Wood:

<http://janedoe0911.tripod.com/BilliardBalls.html#c4>

[314] Jones on NIST collapse theory: “FEMA ‘Pancaking’ approach however, ‘finally fails ...’ Jones’ line of thought conforms with what has already been established by 911 researchers: “Instead of having the columns fail simultaneously, FEMA has floor pans in the Towers warp due to fires, and the floor connections to the vertical beams break, and these floor pans then fall down onto the floor pans below, initiating “progressive collapse” or pancaking of one floor pan on another. Very simple. But not so fast - what happens to the enormous core columns to spindle with the floor pans falling down around them, since the connections are presumed to have broken away? This interconnected steel core is founded on bedrock (Manhattan schist). FEMA does not totally ignore the core: As the floors collapsed, this left tall freestanding portions of the exterior wall and possibly central core columns. As the unsupported height of these freestanding exterior wall elements increased [no mention of the huge central core anymore!], they buckled at the bolted column splice connections and also collapsed.” [FEMA, 2002][Jones WI] p. 42

[315] NIST does not embrace the “pancaking” concept: An article by Manual Garcia, a staunch defender of the NIST study, <http://www.counterpunch.org/physic11282006.html> notes:

“[The] investigation showed conclusively that the failure of the inwardly bowed perimeter columns initiated collapse and that the occurrence of this inward bowing required the sagging floors to remain connected to the columns to pull the columns inwards. Thus, the floors did not fail progressively to cause a pancaking phenomenon.”

The term “pancaking” does not occur in NIST online documentation, yet numerous references to progressive collapse were found.

[316] “NIST however, clearly has not given up on the concept of the “progressive” collapse [Griffin CCD] note 4:

NIST describes the collapses of the towers as instances of “progressive collapse,” which happens when “a building or portion of a building collapses due to disproportionate spread of an initial local failure” (NIST Report, p. 200). NIST thereby falsely implies that the total collapses of the three WTC buildings were specific instances of a general category with other instances. NIST even claims that the collapses were “inevitable.”

[317] NIST References to progressive and pancake/ing

NIST Report: 0 references to “pancake/ing”

“progressive”:

Ncstar1: (Main report)

Xli: among 8 major groups of recommendations, one is “Increased Structural Integrity”:

The standards for estimating the load effects of potential hazards (e.g., progressive collapse, wind) and the design of structural systems to mitigate the effects of these hazards should be improved to enhance structural integrity”

Xli: “Enhanced Fire Endurance of Structures”: The procedures and practices used to ensure the fire endurance of structures should be enhanced by improving the technical basis for construction classifications and fire resistance ratings, improving the technical basis for standard fire resistance testing methods, use of the “structural frame” approach to fire resistance ratings, and developing in-service performance requirements and conformance criteria for sprayed fire-resistive material.

New methods for fire resistant design of structures

Improved active fire protection

Improved Building Evacuation

Improved Emergency Response

Improved Procedures and Practices

Education and Training

Chapter 5: None of the codes had provision for the design against progressive collapse [5.2.2 p. 54]

At the time of the design and construction of the WTC towers, there were no explicit structural integrity provisions to mitigate progressive collapse. US Federal agencies and the United Kingdom have since developed and implemented such guidelines. New York City adapted by rule in 1973 a requirement for buildings to resist progressive collapse under extreme local loads. The rules apply specifically to buildings that used precast concrete wall panels and not to other types of buildings. [8.5.2 p.195]

Progressive collapse [19] should be prevented in buildings.

The footnote defines progressive collapse:

[19] Progressive Collapse (or disproportionate collapse) occurs when an initial local failure spreads from structural element to structural element resulting in collapse of an entire structure or a disproportionately large part of it.

[318] *Purdue Model of WTC Impact Conflicts with Federal Study*

http://enr.ecnext.com/coms2/summary_0271-43404_ITM

[319] Kevin Ryan’s open letter to Purdue University President <http://stj911.org/ryan/PurdueLetter.html>

[320] NIST: Floor pans pull in with enormous force: [Jones WI] p. 42

[321] British ARUP: Buildings would collapse without loss of fireproofing. NCEI 9/22/05

Row erupts over why twin towers collapsed

<http://www.nceplus.co.uk/fastsearch/ArchiveArticleAssetPT/?AID=21981>

[322] ARUP: Perimeter columns cannot be “pulled in”:

www.arup.com/DOWNLOADBANK/download353.pdf

[323] Executive Summary www.FEMA.gov/pdf/library/fema403_execsum.pdf

p. 1 noted that the collapse of the WTC towers astonished knowledgeable structural engineers;

Chapter 1 www.FEMA.gov/pdf/library/fema403_ch1.pdf; Introduction

; “As with any first time event, difficulties were encountered.... p. 1-14

[324] NIST implies that fire-induced collapses of large steel-frame buildings are normal: [Griffin CCD]

[325] new building codes for one instance of “collapse”: [NIST Response S911TJ RFC1] p. 5.

[326] NCEI 8/01/2005 (1 Aug 2005) *Engineers fear overreaction to WTC report*

<http://www.nceplus.co.uk/fastsearch/ArchiveArticleAssetPT/?AID=21800>

“LEADING US structural engineers warned against an overreaction to the final official report on the 2001 World Trade Center collapses following its publication in New York last month.

Others expressed doubts that recommendations in the report would lead to the construction of safer high rise buildings. “

NCEI 8/01/2005 (1 Aug 2005) *Developers fear more red tape*

<http://www.nceplus.co.uk/fastsearch/ArchiveArticleAssetPT/?AID=21807>

”DEVELOPERS FEAR recommendations arising from investigations into the World Trade Center collapses could force them to comply with an extra tier of regulations.”

[327] Frischmann and Halvorson <http://news.bbc.co.uk/1/hi/sci/tech/1579092.stm>

[328] House Committee on Government Reform:

http://oversight.house.gov/features/politics_and_science/index.htm

[329] Nobel laureates statement on scientific integrity:

www.ucsusa.org/scientific_integrity/interference/scientists-signon-statement.html

[330] Fish and Wildlife: *L.A. Times*, Feb 10, 2005:

<http://www.latimes.com/news/nationworld/nation/la-na-scientists10feb10,0,3644039,print.story>

[331] Image of Connaughton: <http://www.energystar.gov>

Image “Messenger From the White House”: <http://www.ehponline.org>

[332] Air is safe: [Jan 14, 2002: *Seattle PI*: ANDREW SCHNEIDER ©2002 ST. LOUIS POST-DISPATCH Ground Zero: Under an asbestos cloud]

http://seattlepi.nwsourc.com/national/136350_epa23.html

[333] Air highly corrosive: Feb 11, 2002 *Seattle PI*: ANDREW SCHNEIDER ©2002 ST. LOUIS POST-DISPATCH Ground Zero dust highly corrosive. “Some of the findings indicated a significant threat to health, physicians say...Dr. Robin Herbert, co-director of the Mount Sinai Center for Occupational and Environmental Medicine, [was not informed] ‘The air had the Ph of Drano.’”

[334] AP Aug 23, 2003: EPA watchdog rips White House on NYC air: “James Connaughton, chairman of the White House Council on Environmental Quality, which coordinates federal environmental efforts, said the White House directed the EPA to add and delete information based on how it should be released publicly.” http://seattlepi.nwsourc.com/national/136350_epa23.html

[335] BBC April 12, 2006: Problems mount from 9/11 Fallout:

<http://news.bbc.co.uk/1/hi/sci/tech/4904188.stm>

The health registry is at <http://www.nyc.gov/html/doh/html/wtc/index.html>

[336] <http://www.scholarsfor911truth.org/> takes you to the split sites. Fetzer’s web site is

<http://911scholars.org/>, Jones website is <http://stj911.org/>

[337] Physically possible to deliver thermite to bring down towers: [Grimmer CPU]

[338] First article: *BYU professor thinks bombs, not planes, toppled WTC*, by Elaine Jarvic. *Deseret Morning News* 11/10/2005. Jarvic reported that “The physics of 9/11 — including how fast and symmetrically one of the World Trade Center buildings fell — prove that official explanations of the collapses are wrong, says a Brigham Young University physics professor. In fact, it's likely that there were ‘pre-positioned explosives’ in all three buildings at ground zero, says Steven E. Jones.” Jones "is calling for an independent, international scientific investigation ‘guided not by politicized notions and constraints but rather by observations and calculations.’” “Previous investigations, including those of FEMA, the 9/11 Commission and NIST (the National Institutes of Standards and Technology), ignore the physics and chemistry of what happened on Sept. 11, 2001, to the Twin Towers and the 47-story building known as WTC 7” Jones said. “The official explanation — that fires caused structural damage that caused the buildings to collapse can't be backed up by either testing or history” :Jones said. "Jones acknowledges that there have been junk science conspiracy theories about what happened on 9/11, but 'the explosive demolition hypothesis better satisfies tests of repeatability and parsimony and therefore is not junk science.' “

[339] Second article: *Thermite idea explored: Physicist says heat substance felled WTC* by Suzanne Dean. *Deseret News* [04/10/2006]

[340] On thermite [Jones WI] p. 6. f.

[341] Could be steel or iron [Jones WI] p. 8.

[342] Metal slag recovered from WTC basement [Jones WI] p. 9.

[343] Bright flame: Jones WI p. 9 NIST reference: NCSTAR 1-5A Chapter 9 Appendix C Fig 9-44 p. 344.

[344]. One frame showing flowing molten metal is provided in Jones WI p. 12. These images of molten metal flowing in the S. Tower are from Judy Wood's website at http://janedoe0911.tripod.com/why_indeed.html#Thermite . They show that a second source of a similar image has the flowing metal in a different location. However, NIST noted many such liquid flows were observed. Note [343]

[345] Rob Miller photo showing white ash. This image was in an early version of Jones *Why Indeed* paper, but not in a later version. [Jones WI]

[346] Image: Thermite reaction in Lab: Jones WI p. 11. Also see [JonesQ&A]

[347] “motivate an immediate in-depth investigation of the use of thermite-type” Jones WI p. 10.

[348] NIST investigators suggested the molten material may have been aluminum from the impacting aircraft. http://wtc.nist.gov/pubs/factsheets/faqs_8_2006.htm Also, www.journalof911studies.com/volume/200704/Roberts_AnnotatedJones-RobertsonTranscript.pdf

[349] In early versions of WI, Jones argues that molten aluminum is silvery, never yellow [aluminum has low emissivity and high reflectivity]. “The substance observed in the videos ‘just isn't aluminum,’ he said.” In the latest version, he concedes that Aluminum may glow, although faintly, but still believes the glowing material flowing out of the South tower is most likely iron [Jones WI] p. 7 f.

[350] A 40 lb sample of solidified slag brought to BYU for analysis using an electron microprobe shows the previously molten slag is predominantly iron, (good micro photo) little chromium but abundant manganese, and rules out structural steel as a major component Jones Q&A Slide 81 f. Three physicists and a geologist had performed the analysis. [Jones Q&A] Slide 105.

[351] While gypsum in the buildings is a possible source of sulfur: [Jones WI] p. 19.

[352] On Greening, 2006: [Jones Q&A] p. 65 f.

[353] Sol-gel and 1,3,diphenylpropane. Kevin Ryan research: [Jones Q&A] p. 98 f.

[354] Erik Swartz on 1,3,diphenylpropane: [Jones Q&A] p. 100.

http://oaspub.epa.gov/eims/xmlreport.display?deid=62021&z_chk=65088

[355] Journal of 911 studies May 2007: Revisiting 9/11/2001—Applying the Scientific Method

<http://wtc.nist.gov/media/JonesWTC911SciMethod.pdf> p78-80.

A NYC 911 Activist points out that an RJ Lee Group report, prepared as part of “Damage Assessment” of a Deutsche Bank building near the WTC complex, <http://www.nyenvirolaw.org/wtc-index.htm> ; then click on “Expert Report” was deceptively referenced by Mark Roberts, a 9/11 Truth debunker in an attempt to discredit Jones’s work. Although the report does not mention “micro spheres”, it does point out that the WTC~dust has a characteristic signature, and is not typical of “office fires.”

<http://activistnyc.wordpress.com/2008/01/03/he-oughta-know-better-mark-roberts-and-the-iron-rich-spherules/>

In a notice dated 12/22/2007, Jones announced the discovery of red and grey bi-layered chips in WTC dust. [<http://www.911blogger.com/node/13090>]

[356] USGS Particle Atlas <http://pubs.usgs.gov/of/2005/1165/508OF05-1165.html>

[357] *Environmental Health Perspectives*

<http://www.ehponline.org/members/2002/110p703-714lioy/lioy-full.html>

[358] Jones published paper *Fourteen Points of Agreement*

<http://www.bentham-open.org/pages/content.php?TOCIEJ/2008/00000002/00000001/35TOCIEJ.SGM>

[359] Project Censored: <http://books.google.com/books?id=Hg3DR7blYgAC&pg> See Censored Déjà vu: What Happened to Previous Censored Stories, p.37f.

[360] Judy Wood Image from <http://janedoe0911.tripod.com/> [Wood]

[361] Compares the design of the WTC towers to trees

Blown to Kingdom Come: made into a song by Ace Baker [Wood]

[362] Wood/Reynolds *Jones and the Scientific Method*

<http://janedoe0911.tripod.com/JonesScientificMethod.html>

[363] Frank Legge *A study of some issues raised in a paper by Wood and Reynolds,*

<http://journalof911studies.com/letters/d/a-study-of-some-issues-raised-in-a-paper-by-wood-&-reynolds-by-frank-legge.pdf> [Legge Issues] p. 3.

[364] Greg Jenkins: *Introduction To An Interview With Judy Wood Conducted At The National Press Club in Washington D.C. on January 10, 2007 Regarding The Use Of Directed Energy Beams In The Demolition Of The World Trade Center Towers*

<http://journalof911studies.com/letters/b/interview-judy-wood-at-national-press-club-regarding-the-use-of-directed-energy-beam-in-the-demolition-of-the-wtc-by-dr-gregory-jenkins.pdf> [Jenkins] p. 1.

[365] Wood's real point: Andrew Lowe Watson: *The Greg Jenkins Analytical Method Ignores the Facts*
http://janedoe0911.tripod.com/ignoring_facts.html

[366] NIST images "enhanced" [Wood]

Wood seems to deny the reality of these images of flowing metal: "Only in rare cases, like alleged molten metal flowing from an upper floor of WTC 2 shortly before its complete destruction, are photos and videos disputed and uncorroborated."

<http://janedoe0911.tripod.com/StarWarsBeam1.html>

Jones appears to have replaced the early images with similar images in later versions of "Why Indeed".

[367] Glowing molten Aluminum <http://janedoe0911.tripod.com/glowing.html>

[368] Aluminum glows just like Iron: <http://janedoe0911.tripod.com/JonesScientificMethod.html> VIII
Aluminum Glows

[369] Aluminum does not glow "just like Iron": [Legge Issues] p. 8.

[370] Lower 30 floors were probably removed by more conventional demolition:
<http://janedoe0911.tripod.com/StarWarsBeam1.html>

[371] Jones: thermite not used in WTC cleanup: "Researcher Michael Berger checked with a number of steel cutters and workers at ground zero. They reported that oxy-acetylene torches were used to cut the steel members; not thermite."

[Jones Q&A: p. 76]

Wood: perhaps thermite was used in cleanup:

http://janedoe0911.tripod.com/why_indeed.html#Demolition

[372] Tony Szamboti, a Jones colleague, writes "No one is saying thermate/thermite is the 'whole story'" in response to an Email from Jim Fetzer:

"Thanks Tony. I will share your thoughts with Judy and Morgan. Just for the record, I have been endorsing STUDYING alternative hypotheses, such as mini-nukes, directed energy, solar energy, lasers, masers and plasmoids. I don't know what caused the massive destruction, but I, personally, cannot see any way in which thermite/thermate can be the whole story. [NB: No one is saying thermate/thermite is the "whole story".] My purpose has been to encourage research on multiple possibilities. That's not only highly rational but the core of science. "

http://journalof911studies.com/letters/Szamboti_The_Damage_to_WTC_Bldg_s_3_and_6_and_the_debate_between_the_controlled_demolition_and_beam_weapon_theories.pdf p. 9.

[373] nuclear/direct energy weaponry not ruled out:

http://janedoe0911.tripod.com/why_indeed.html#Demolition

The reference to mini-nukes has been removed from the website.

[374] Jones says no mini-nukes: [Jones Q&A] Slide 181 f. Also see Jones paper:

<http://journalof911studies.com/letters/a/Hard-Evidence-Repudiates-the-Hypothesis-that-Mini-Nukes-were-used-on-the-wtc-towers-by-steven-jones.pdf>

[375] Wood/Reynolds: mini-nukes inconsistent with the data:

<http://janedoe0911.tripod.com/JonesScientificMethod.html> VII The Scientific Data.

“Dr. Jones offers no proof that thermite, thermate, or nano-enhanced thermite could have pulverized the buildings, so would it be logical to conclude that he is now pushing "mini-nukes" because that the only other method [Jones](#) has written about? The illogic of this conclusion should be obvious but why has Dr. Jones said that "Wood and Reynolds are promoting [mini-nukes](#)" just because we find thermite an unsatisfactory hypothesis?

[376] They are now aligned with Jones on this point:

<http://journalof911studies.com/letters.html/d/a-study-of-some-issues-raised-in-a-paper-by-wood-&-reynolds-by-frank-legge.pdf> p. 7.

[377] Radionuclides [*Environmental Health Perspectives* Volume 110 Number 7 July 2002]

Abstract: “In the inorganic analyses, we identified metals, radionuclides, ionic species, asbestos, and inorganic species. In the organic analyses, we identified polycyclic aromatic hydrocarbons (PAHs) , polychlorinated biphenyls, polychlorinated dibenzodioxins, polychlorinated dibenzofurans, pesticides, phthalate esters, brominated diphenyl ethers, and other hydrocarbons. ...”

Paper: “**Radionuclides.** We analyzed the gamma spectrum of the samples using an EG&G/Ortec high-purity Ge detector (50% relative efficiency) gamma counter (EG&G/Ortec Instruments, Inc., Oak Ridge, TN). We analyzed approximately 50 peaks based on statistical significance (counting/lack of interferences). These included thorium, uranium, actinium series, and primordial radionuclides. Liquid scintillation analyses were conducted for emissions on the total dust and smoke samples using a Packard Tri-Carb Model 2770 TR/SL (Packard Instrument, Meriden, CT). The MDA for alpha radioactivity was 0.30 DPM (0.14 pCi) based on a NIST-traceable ²²⁶Ra standard (National Institute of Standards and Technology, Gaithersburg, MD). When placed in the liquid scintillation fluid, the WTC samples are somewhat darker than the backgrounds and calibration standard, which may cause slight underreporting of the beta activity due to quenching and standard-to-sample efficiency bias”.

<http://www.ehponline.org/members/2002/110p703-714lioy/lioy-full.html>

[*Environmental Health Perspectives* Volume 110, Number 7, July 2002]

[378] Americium-241 is typically used in smoke detectors <http://www.world-nuclear.org/info/inf57.htm>

[379] Witnesses report aircraft in the vicinity vaporized: [Wood]

[380] Molecular or atomic resonance: Stated during Q&A session during October 28 1006 presentation in Seattle WA. <http://janedoe0911.tripod.com/#Presentations>

[381] WTC “Bathtub” <http://janedoe0911.tripod.com/StarWarsBeam1.html>

[382] Bathtub heavily damaged: James Gourley: Scientific Critique of Judy Wood’s Paper “The Star Wars Beam Weapon” <http://journalof911studies.com/letters/b/scientific-critique-of-judy-woods-paper-star-wars-beam-weapons-by-james-gourley.pdf> [Gourley] p. 8.

[383] *THE DISSOLVING OF TWO 110'-TOWERS LIKE SAND CASTLES*

<http://forum.911movement.org/index.php?showtopic=1734&st=0#entry14640820>

[384] Text of *SAND CASTLES* <http://winnipeg.indymedia.org/item.php?6776S>

[385] Debris from the towers distributed over 6 times the area of the footprints: [Jenkins] p. 2.

[386] Change in Richter scale of 1.5

<http://janedoe0911.tripod.com/StarWarsBeam2.html>

Note: The Kingdome is situated on liquefiable ground, while the earthquake associated with the Collapse of the WTC towers was on bedrock.

[387] Wood conducts analysis on corrupted data?: Gourley p.1

"Most importantly, the amplitude of the 9/11 disturbance is less than half that of the January earthquake, despite a similar peak Richter reading. It is almost as if the data from 9/11 have attenuated, that peak movements have been reduced by some kind of filtering process. Does this difference reflect real data, that is, differences in real phenomena accurately recorded? Or have the data been filtered asymmetrically or differently? Or have the data been completely manufactured? We do not know, but for the sake of the analysis we use the Richter values reported."

[388] Gravitational energy of collapsing buildings: [Grimmer CPUT]

[389] Hoffman: earthquakes appropriate for amount of mass in the WTC towers.

110 megawatt-hours of gravitational energy is equivalent to 2.9207 e8, or 292,070,000. foot pounds.

<http://911review.com/errors/wtc/seismic.html>

[390] Coorelation of Richter scale reading and GPE for Kingdome vs WTC Tower: [Gourley] p3.

[391] Toasted cars: [Gourley] p. 11 f.

[392] [Gourley] p. 14 f.

[393] Wood's summary of evidence that beam weapons exist

<http://janedoe0911.tripod.com/StarWarsBeam7.html#possible>

[394] Jeff King supports possibility of use of directed energy: <http://911review.org/Wiki/King,Jeff.shtml>

[395] Marc Seifer *The Life and Times of Nikola Tesla: Biography of a Genius*, Citadel Press 1998

[396] *ibid.* p. 461-462

[397] Hutchison's website is <http://www.geocities.com/ResearchTriangle/Thinktank/8863/index.html>.

According to the website, Hutchison's labs were raided at least twice by Canadian authorities.

[398] Dr. Wood's work continues: links to updates on WTC directed energy theory:

<http://janedoe0911.tripod.com/moretoastedcars.html> Also see links to Jan. 12 radio interview: Edited

version on <http://www.weourselves.org/>

<http://www.weourselves.org/wp/w/011207.html>

Star Wars Directed-Energy Weapons Dr. Judy Wood & John Bloomer Part1, Part2, Part3, Part4, Part5

Ambrose welcomes Dr. Judy Wood and John Bloomer. They discuss high energy beams and the WTC disaster. Listener Feedback Part1, Part2 Ambrose, Dr. Judy Wood, and Mr. Bloomer welcome listener questions and comments. <http://frankferg.onlinestoragesolution.com/a-lane-1-30-07-john-judy-daphne.mp3>. Judy Wood offers evidence that an extremely high energy Starwars Beam Weapon destroyed the World Trade Towers on 9/11/01. John Bloomer explains how the same Starwars Beam Weapon can reverse Global Warming. Gaining control of the orbital Beam apparatus for constructive as opposed to destructive use is discussed by Ambrose I. Lane and his three guests.

[399] Gordon Ross: "How the Towers were Demolished" <http://gordonssite.tripod.com/id2.html> Also referenced in Journal of 9/11 Studies: <http://www.journalof911studies.com>.

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