

APPENDIX 2. An example of manipulative polemics**Buddhist Relics**

<http://www.geocities.com/Athens/Ithaca/4886/relics.htm>

1 True or False

It would almost be impossible to tell apart the difference between replicas of Buddha's sacred relics with real ones. Even scientific tests are refutable; there is really not a fool-proof method available at all. According to a sutra, it stated, "If there isn't any sarira available, gold, silver, lapis lazuli, crystal, agate, glass and other precious materials can be used as sarira. Travellers without protection can pick up pure stones from the shores of the great sea as sarira. Also one can use medical herbs, bamboos, sticks as sarira."

According to Ven. Shi Fazhao, Abbot of Golden Pagoda Buddhist Temple, one sure way is to follow the voice of your divine faith, and not merely rely on a checklist of qualities that a relic is supposed to have. For instance, a relic that possesses diamond-like qualities can still shatter into a hundred equal pieces under the hammer of a skeptic. One wonders why. Wasn't the diamond-like relic supposed to have withstood the force of a hammer?

Ven. Shi Fazhao offers an explanation based on faith: The shattering result in fact is not indicative of the quality (or lack of) of the relic. It is due to the lack of faith, which will result in an anticipation of the shattering of the relic. Hence, the relic splits. However, instead of just breaking into irregular pieces, it breaks into 100 equal pieces to demonstrate the uniform, multiplying effect of relics. On the other hand, if one has faith in the relic, it would not have been put to the test in the first place. Therefore, the effect of an action imposed on a relic is really a function of one's faith.

Ven. Shi Hsingyun, Founder of Fo Guang Shan and President of Buddha's Light International Association, also said, "If you have faith with the Buddha tooth relic, it will be authentic and will bestow blessings to you, if you have doubt, I do not think that it will give you any blessings at all."

2 Dog's tooth

There is a famous story of the young peasant who went to Lhasa to trade, promising to bring his mother a relic from the Jowo statue of Sakyamuni Buddha. He had such a good time in Lhasa that he forgot all about it until he was a few miles from home. So ashamed was he that he picked up a tooth from a dead dog's skull lying in the ditch by the road, wrapped it in some elegant silk, put it in a gau box, and presented it to his mother. The old woman was delighted and prayed to it constantly. Soon she was regaling the neighbours with the tales of the blessings she was receiving from the fine relic her son had brought her. The son was embarrassed and also felt guilty about deceiving her.

One holiday he was washing down by a stream, and he decided to confess his trick and disabuse the old woman of her delusion. The moment he came to this resolve, he looked up and saw the precious Jowo statue standing before him. The Buddha statue said to the awestruck peasant, "Young man, do not think your mother does not have a real relic. You forgot, but I remembered, and the dog's jaw was my manifestation. If you don't believe me, go quietly home and observe your mother's prayers!"

The son went home directly and quietly went in to his mother's shrine where she was praying. The reliquary was open and the silk unfolded. The tooth was shining with brilliant rainbow rays of light. When she died, she obtained rainbow body and attained awakening.

This is a very good story. So it really happens that the dog's tooth was not Buddha's tooth; it was a dog's tooth, obviously, no way to mistake that. But somehow she was able to experience her own pure perception of faith in relation to her Buddha nature, by opening her heart, by having faith in that object as Buddha's tooth.

3 Benefits of Buddha Relics

One may ask if there is any benefits [sic] for the reappearances of these Buddha relics? The Buddha once said that by seeing His relics, it is like seeing the Buddha Himself. Thus, the Buddha relics are the symbols of qualities of the Buddhahood and the characteristics of enlightened body, so therefore it also represents that the Buddha is always turning the Wheel of Dharma unceasingly.

In Samsara, our minds are always deluded by ignorance, hatred and anger. If we see the Buddha relics in our own eyes, we will be reminded the qualities of purified mind (Buddhahood) and we will continue to walk on the path to Buddhahood. Whether the relic is true or false, this is no longer important, the question is, if the sarira is still living within your mind? If you have faith on these Buddha relics, it is like having realized that the Buddha is always living within your mind, it will help you to overcome many problems and obstacles. Finally, one will attain liberation, just like the old woman who strongly believed that the dog's tooth is none other than the Buddha's tooth.

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APPENDIX 3

Religious language, in expressing ideas of faith and religious events, is fraught with difficulties, especially when one's motives are less than the religious use of religion. This "List of Common Fallacies" is useful in exposing false and dishonest arguments and in clear thinking. From this list one could point out some false arguments in the "Buddhist Relics" article (Appendix 1).

List of Common Fallacies

Compiled by Jim Walker

originated: 27 July 1997; additions made: 26 March 2004

You don't need to take drugs to hallucinate; improper language can fill your world with phantoms and spooks of many kinds.

Robert A Wilson

When arguing with someone in an attempt to get at an answer or an explanation, you may come across logical fallacies in his arguments. Such discussions may prove futile. You might try asking for evidence and independent confirmation or provide other hypothesis that gives a better explanation. If this fails, try to pinpoint the problem of your arguer's position. You might spot the problem of logic that prevents further exploration and attempt to inform your arguer about his fallacy. The following briefly describes some of the most common fallacies:

ad hominem: Latin for "to the man." An arguer who uses ad hominem attacks the person instead of the argument. Whenever an arguer cannot defend his position with evidence, facts or reason, he or she may resort to attacking an opponent either through: labeling, straw man arguments, name calling, offensive remarks and anger.

appeal to ignorance (argumentum ex silentio) appealing to ignorance as evidence for something. (eg, "We have no evidence that God doesn't exist, therefore, he must exist." Or: "Because we have no knowledge of alien visitors, that means they do not exist.") Ignorance about something says nothing about its existence or non-existence.

argument from omniscience: (eg, "All people believe in something. Everyone knows that.") An arguer would need omniscience to know about everyone's beliefs or disbeliefs or about their knowledge. Beware of words like "all," "everyone," "everything," "absolute."

appeal to faith: (eg, "If you have no faith, you cannot learn") if the arguer bases argument on faith, then you can gain little from further discussion. Faith, by definition, relies on a belief that does not rest on logic or evidence. Faith depends on irrational thought and promotes intransigence.

appeal to tradition (similar to the bandwagon fallacy): (eg, astrology, religion, slavery) just because people practice a tradition, says nothing about its viability.

argument from authority (argumentum ad verecundiam): using the words of an "expert" or authority as the bases of the argument instead of using the logic or evidence that supports an argument. (eg, "Professor so-and-so believes in creation-science.") Simply because an authority makes a claim does not necessarily mean he got it right. If an arguer presents the testimony from an expert, look to see if it accompanies reason and sources of evidence behind it.

argument from adverse consequences: (eg, "We should judge the accused as guilty, otherwise others will commit similar crimes.") Just because a repugnant crime or act occurred, does not necessarily mean that a defendant committed the crime or that we should judge him guilty. (Or: "Disasters occur because God punishes non-believers; therefore, we should all believe in God.") Just because calamities or tragedies occur, says nothing about the existence of gods or that we should believe in a certain way.

argumentum ad baculum: An argument based on an appeal to fear or a threat (eg, "If you don't believe in God, you'll burn in hell.")

argumentum ad ignorantiam: A misleading argument used in reliance on people's ignorance.

argumentum ad populum: An argument aimed to sway popular support by appealing to sentimental weakness rather than facts and reasons.

bandwagon fallacy: concluding that an idea has merit simply because many people believe it or practice it (eg, "Most people believe in a god; therefore, it must prove true.") Simply because many people may believe something says nothing about the fact of that something. For example many people during the Black plague believed that demons caused disease. The number of believers says nothing at all about the cause of disease.

begging the question (or assuming the answer): (eg, "We must encourage our youth to worship God to instill moral behavior.") But does religion and worship actually produce moral behavior?

circular reasoning: stating in one's proposition that which one aims to prove. (eg "God exists because the Bible says so; the Bible exists because God influenced it.")

composition fallacy: when the conclusion of an argument depends on an erroneous characteristic from parts of something to the whole or vice versa. (eg, "Humans have consciousness and human bodies and brains consist of atoms; therefore, atoms have consciousness." Or: "A word processor program consists of many bytes; therefore a byte forms a fraction of a word processor.")

confirmation bias (similar to observational selection): This refers to a form of selective thinking that focuses on evidence that supports what believers already believe while ignoring evidence that refutes their beliefs. Confirmation bias plays a stronger role when people base their beliefs upon faith, tradition and prejudice. For example, if someone believes in the power of prayer, the believer will notice the few "answered" prayers while ignoring the majority of unanswered prayers (which would indicate that prayer has no more value than random chance at worst or a placebo effect, when applied to health effects, at best).

confusion of correlation and causation: (eg, More men play chess than women, therefore, men make better chess players than women. Or: Children who watch violence on TV tend to act violently when they grow up.) But does television programming cause violence or do violence oriented children prefer to watch violent programs? Perhaps an entirely different reason creates violence not related to television at all. Stephen Jay Gould called the invalid assumption that correlation implies cause as "probably among the two or three most serious and common errors of human reasoning" (The Mismeasure of Man).

excluded middle (or false dichotomy): considering only the extremes. Many people use Aristotelian either/or logic tending to describe in terms of up/down, black/white, true/false, love/hate, etc. (eg, You either like it or you don't. He either stands guilty or not guilty.) Many times, a continuum occurs between the extremes that people fail to see. The universe also contains many "maybes."

half truths (suppressed evidence): An statement usually intended to deceive that omits some of the facts necessary for an accurate description.

loaded questions: embodies an assumption that, if answered, indicates an implied agreement. (eg, "Have you stopped beating your wife yet?")

meaningless question: (eg, "How high is up?" "Is everything possible?") "Up" describes a direction, not a measurable entity. If everything proved possible, then the possibility exists for the impossible, a contradiction. Although everything may not prove possible, there may occur an infinite number of possibilities as well as an infinite number of impossibilities. Many meaningless questions include empty words such as "is," "are," "were," "was," "am," "be," or "been."

misunderstanding the nature of statistics: (eg, the majority of people in the United States die in hospitals, therefore, stay out of them.) "Statistics show that of those who contract the habit of eating, very few survive." -- Wallace Irwin

non sequitur: Latin for "It does not follow." An inference or conclusion that does not follow from established premises or evidence. (eg, there occurred an increase of births during the full moon. Conclusion: full moons cause birth rates to rise.) But does a full moon actually cause more births, or did it occur for other reasons, perhaps from expected statistical variations?

observational selection (similar to confirmation bias): pointing out favorable circumstances while ignoring the unfavorable. Anyone who goes to Las Vegas gambling casinos will see people winning at the tables and slots. The casino managers make sure to install bells and whistles to announce the victors, while the losers never get mentioned. This may lead one to conclude that the chances of winning appear good while in actually just the reverse holds true.

post hoc, ergo propter hoc: Latin for "It happened after, so it was caused by." Similar to a non sequitur, but time dependent. (eg She got sick after she visited China, so something in China caused her sickness.) Perhaps her sickness derived from something entirely independent from China.

proving non-existence: when an arguer cannot provide the evidence for his claims, he may challenge his opponent to prove it doesn't exist (eg, prove God doesn't exist; prove UFO's haven't visited earth, etc.). Although one may prove non-existence in special limitations, such as showing that a box does not contain certain items, one cannot prove universal or absolute non-existence, or non-existence out of ignorance. One cannot prove something that does not exist. The proof of existence must come from those who make the claim.

red herring: when the arguer diverts the attention by changing the subject.

reification fallacy: when people treat an abstract belief or hypothetical construct as if it represented a concrete event or physical entity. Examples: IQ tests as an actual measure of intelligence; the concept of race (even though genetic attributes exist), from the chosen combination of attributes or the labeling of a group of people, from abstract social constructs; Astrology; god(s); Jesus; Santa Claus, etc.

slippery slope: a change in procedure, law, or action, will result in adverse consequences (eg, “If we allow doctor assisted suicide, then eventually the government will control how we die”). It does not necessarily follow that just because we make changes that a slippery slope will occur.

special pleading: the assertion of new or special matter to offset the opposing party’s allegations. A presentation of an argument that emphasizes only a favorable or single aspect of the question at issue. (eg How can God create so much suffering in the world? Answer: You have to understand that God moves in mysterious ways and we have no privilege to this knowledge. Or: Horoscopes work, but you have to understand the theory behind it.)

statistics of small numbers: similar to observational selection (eg, “My parents smoked all their lives and they never got cancer. Or: I don’t care what others say about Yugos, my Yugo has never had a problem.”) Simply because someone can point to a few favorable numbers says nothing about the overall chances.

straw man: creating a false scenario and then attacking it. (eg, “Evolutionists think that everything came about by random chance.”) Most evolutionists think in terms of natural selection which may involve incidental elements, but does not depend entirely on random chance. Painting your opponent with false colors only deflects the purpose of the argument.

two wrongs make a right: trying to justify what we did by accusing someone else of doing the same. (eg “How can you judge my actions when you do exactly the same thing?”) The guilt of the accuser has no relevance to the discussion.

Science attempts to apply some of the following criteria:

- 1) Skepticism of unsupported claims
- 2) Combination of an open mind with critical thinking
- 3) Attempts to repeat experimental results.
- 4) Requires testability
- 5) Seeks out falsifying data that would disprove a hypothesis
- 6) Uses descriptive language
- 7) Performs controlled experiments
- 8) Self-correcting
- 9) Relies on evidence and reason
- 10) Makes no claim for absolute or certain knowledge
- 11) Produces useful knowledge

Pseudoscience and religion relies on some of the following criteria:

- 1) Has a negative attitude to skepticism
- 2) Does not require critical thinking
- 3) Does not require experimental repeatability
- 4) Does not require tests
- 5) Does not accept falsifying data that would disprove a hypothesis
- 6) Uses vague language
- 7) Relies on anecdotal evidence
- 8) No self-correction
- 9) Relies on belief and faith
- 10) Makes absolute claims
- 11) Produces no useful knowledge

Some of this information derived in part from:

William D. Gray, *Thinking Critically About New Age Ideas*. Brookes Cole, 1991. 164 pp

Carl Sagan, *The Demon-Haunted World*. Random House, New York, 1995

The American Heritage Dictionary, Houghton Mifflin Company.

<http://www.nobeliefs.com/fallacies.htm>