

The Eye of Horus Effect After Exposure to Aerial Biological Pesticides

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NREP 2009 Conference October 5-6, 2009 Windows on Wisdom. www.nrep.org

ABSTRACT: "The Eye of Horus Effect" is coined after the Wdjat or Eye of the Moon, and afterwards known as the Eye of Ra or Udjat. It is an ancient Egyptian symbol of protection and royal power from deities, in this case from Horus or Ra. The symbol is seen on images of Horus' mother, Isis, and on other deities associated with her. During the early months of 2008 in specific locations of the State of California aerial spraying of a biological pesticide designed to kill the Brown Moth through the use of pheromones. Field and clinical observations were made for ocular exposure the dye used to coat the nano or microspheres in the aerial spraying of this new and applied "safer" pesticide. It was suspected that some kind of invisible fluorescent dye was applied to the microspheres. Random individuals consented to having their eyes exposed to UV-B light to observe any accumulation of this dye chemically known as fluorescein thiocyanate. Specific parts of the sclera were examined and revealed fluorescent "highlighter yellow" pigmentation on various sections of the sclera and eye, which matched ancient Egyptian symbols for the Eye of Horus. These symbols were then matched to specific Ancient Egyptian measurement system, the Eye of Horus defining an Old Kingdom rounded off number one $(1) = \frac{1}{2} + \frac{1}{4} + \frac{1}{8} + \frac{1}{16} + \frac{1}{32} + \frac{1}{64}$, by throwing away $\frac{1}{64}$ th. The dye is used specifically in bionanotechnology studies to monitor cell receptor sites, such as the olfactory system and pheromones that cause fear. Currently, pheromone fear and infrared invisible dye marking is being applied to nonlethal weapon and riot control research and technologies.

Eradication Measures in California

No one knows how long the Light Brown Apple Moth (LBAM) has been present in California, though widespread confirmed insect captures have been found across much of the coastal region of the state. After the moth was confirmed for the first time by DNA testing to be present in California in 2007, quarantine measures and a controversial program of aerial spraying proprietary synthetic [pheromones](#) over urban and suburban areas was begun. Other less controversial efforts included nursery and grower treatment of potential infestations in plants using graduated Integrated Pest Management (IPM) techniques with pesticides, smothering oils, and biologic controls such as [Bacillus thuringiensis](#). USDA officials obtained an Emergency Exemption from Registration from the U.S. [Environmental Protection Agency](#) that allowed them to bypass state rules for the use of [pesticides](#), such as the production of a state-required [environmental impact report](#).¹

U.S. and state agricultural departments support a \$74.5 million program to spray the pesticide over hundreds of square miles from Monterey County north to Solano County as early 2008, but several of the state's top insect and plant scientists say the decision to do so should be reconsidered.

"It's not such a nasty pest. You're not going to see a plant succumbing to the light brown apple **moth**," said botanist Daniel Harder, executive director of the Arboretum at UC Santa Cruz. Harder visited New Zealand to research the **moth's** behavior there.²

In the face of criticism, U.S. Department of Agriculture and California Department of Food and Agricultural scientists stand firm that there must be quick aerial spraying to eliminate the **moth**, which they say is newly arrived and whose larvae threaten more than 200 crops in the state worth multimillions of dollars. Nursery plants and native trees are also at risk, they say.

Thousands of Bay Area residents signed petitions to stop the spraying, legislators h introduced five bills to control aerial application over urban areas, and four city councils have passed resolutions against it.

Hundreds of residents in Monterey and Santa Cruz counties, where pheromone pesticides were aeri ally applied late in 2007, have reported health symptoms, including shortness of breath, muscle aches and sore throats. Citizen groups are asserting that the government failed to disclose all of the contents of the two pesticides and that safety testing has been inadequate. This is the first time the pheromone-based pesticide is being sprayed over cities (San Francisco, Irvine, Bakersfield, Santa Monica, Pomona, Los Angeles, and other high multicultural cities).

The public outcry was highly significant, especially after an initial round of [aerial spraying](#), when over 600 complaints of [adverse health effects](#) were reported to government agencies and local groups opposing the aerial spraying.³ Medically documented confirmation of actual effect on health or causation of illness was not provided by either the claimants nor the state. On June 19, 2008 the State of California announced that it was abandoning plans for aerial spraying over population centers in favor of using local application of pheromone-impregnated twist-ties, a control measure that has proven effective in New Zealand.⁴

Eye of Horus

The Eye of Horus (Wedjat)⁵ (previously Wadjet and the Eye of the Moon; and afterwards as the Eye of Ra)⁶ or "Udjat"⁷ is an ancient Egyptian symbol of protection and royal power from deities, in this case from Horus or Ra. The symbol is seen on images of Horus' mother, Isis, and on other deities associated with her. (See Diagram 1-1 A and B.)

In the Egyptian language, the word for the symbol was "Wedjat."^{8,9} It was the eye of one of the earliest of Egyptian deities, Wadjet, who later became associated with Bast, Mut and Hathor (See Diagram 2-2) as well Wedjat was a solar deity and this symbol began as her eye, an all seeing eye. In early artwork, Hathor is also depicted with this eye.¹⁰ Funerary amulets were often made in the shape of the Eye of Horus. The Wedjat or Eye of Horus is "the central element: of seven "gold, faience, carnelian and lapis lazuli" bracelets found on the mummy of Shoshenq II.¹¹ The Wedjet "was intended to protect the king (here) in the afterlife"¹² and to ward off evil. Ancient Egyptian and Near Eastern sailors would frequently paint the symbol on the bow of their vessel to ensure safe sea travel.

Horus was an ancient Egyptian sky god known as Ra and was pictured in the form of a falcon. The right eye represents a Peregrine Falcon's eye and the markings around it, that includes the "teardrop" marking sometimes found below the eye. As the wedjet (also udjat or utchat), it also represented the sun, and was associated with Horus' mother, Isis, and with wedjet another goddess, as well as the sun deity Ra.

The mirror image of left eye, sometimes represented the moon and the god Djehuti (Thoth).¹³ (See Diagram 3-3)

“The Eye of Horus Effect”

During the summer of 2008 and to present date individuals have been evaluated for exposure to biological pesticides used in the spraying of the brown moth, which was coated with an invisible fluorescent dye known as bright yellow, “highlighter yellow” and chemically known as fluoresceine isothiocyanate. The dye would be visible as a bright yellow dot in the inner section of the sclera (white) of the eye and eventually mark one eye in the same fashion as depicted in the Ancient Egyptian measurement system, the Eye of Horus as defined by an Old Kingdom rounded off number one $(1) = \frac{1}{2} + \frac{1}{4} + \frac{1}{8} + \frac{1}{16} + \frac{1}{32} + \frac{1}{64}$, by throwing away $\frac{1}{64}$. The Eye of Horus statements created six-term rounded-off numbers. The Old Kingdom definition had dropped a seventh term, a remainder $\frac{1}{64}$ that was needed to report exact series. During the Middle Kingdom that included the eleventh through fourteenth dynasties, exact series definitions and applications were written by creating seven terms, or more, written as Egyptian fraction series, often scaled to $\frac{1}{320}$ hekat. For example, the Egyptian Mathematical Leather Roll (See Diagram 4-4), the RMP $\frac{2}{n}$ table and the Akhmim Wooden Tablet wrote quotients and Egyptian fraction remainders that solved the problem. The metaphorical side of this information linked the Old Kingdom six fractions, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$, $\frac{1}{16}$, $\frac{1}{32}$, and $\frac{1}{64}$, to separate parts of the eye, as noted by:

- $\frac{1}{2}$ was represented by **smell**, symbolized by the right side of the eye in a form of the nose. The pyramid text says: “Behold (the fire) rises in Abydos and it comes; I cause it to become, the Eye of Horus. It is set in order upon thy brow, O Osiris Khenti-Amenti; it is set in the shrine and rises on thy brow.”
- $\frac{1}{4}$ was represented by **sight** or **the sensation of light**, symbolized by the pupil. The pyramid text says: “Perfect is the Eye of Horus. I have delivered the Eye of Horus, the shining one, the ornament of the Eye of Ra, the Father of Gods.”
- $\frac{1}{8}$ was represented by **thought**, symbolized by the eyebrow. The pyramid text says: “. . . the Eye of Horus hath made me holy. I will hide myself among you, O ye stars which are imperishable My brow is the brow of Ra.”
- $\frac{1}{16}$ was represented by **hearing**, symbolized by the left side of the eye in the form of an arrow pointing towards the ear. The pyramid text says: “That which has been shut fast/dead hath been opened by the command of the Eye of Horus, which hath delivered me. Established are the beauties on the forehead of Ra.”

- 1/32 was represented by **taste**, by the sprouting of wheat or grain from the planted stalk, symbolized by a curved tail. The pyramid text says: "Come, the Eye of Horus hath delivered for me my soul; my ornaments are established on the brow of Ra. Light is on the faces of those who are in the members of Osiris."
- 1/64 was represented by **touch**, symbolized by a leg touching the ground, or what can also be thought of as a strong plant growing into the surface of the earth. The pyramid text says "I shall see the gods and the Eye of Horus burning with fire before my eyes!"

In the Middle Kingdom the 1/64 symbol denoted "rest" and "healing" as connected to the hekat, with the word dja being attached.

The exact areas of marking of the eyes in connection to the olfactory sensory network located in the nasal passages and limbic system are connected to specific nerves that are connected to the back of the eye ball through the optic nerve network and enter into the brain. The areas as seen as blue fluorescence in Photographs 1 – 1, 2-2, and 3-3 are of individuals who were exposed to the aerial spraying and within 30 days from the spraying experienced the fluorescent dye in the ½ area of the eye and then the 1/16 area, within 6 months from initial exposure the eyes would become clear after exposure to FIR Radiant Heat Therapy, but in ½ of the sampled individuals the tongue would have the yellow dye present. Due to not correcting the camera for white vs. blue light the yellow fluorescence shows as blue fluorescence. Diagram 5-5 shows a Faience vessel, Bes holding Eyes. Bes is a symbol for bees.

The Pineal Gland, The Eye of the Gods

The pineal gland was the most recognized and written about organ by the earlier adepts, it is the logical beginning of any occult discussion of the endocrine chain. The epiphysis cerebri, or pineal body, secures its name from its peculiar shape (the inus, or pine cone) and arises in the fifth week from the human embryo as a blind sac branching off from that section of the brain which is next in front of the mid-brain- the diencephalon- which includes the area of the third ventricle and adjacent parts. The distal, or remote, portion of this sac becomes the body of the gland. The proximal portion (the point of attachment or origin) remains as the stalk. Is not this pine cone one to which E.A. Wallis-Budger refers in his *Osiris and the Egyptian Resurrection*, when describing the entry of Ani into the presence of Osiris in the Egyptian ritual of Coming Forth by Day as "the so-called "cone" on Ani's wig," for which the good Egyptologist could find no intelligent reason: Is this not also the whirring cone which was among the symbolic playthings of the child Baccus and which Bastius describes as a small cone-shaped piece of wood around which a cord was wound so that it might be made to spine and give out a "humming noise?"¹⁴

As an emblem of divinity, the pineal gland would naturally be associated with royalty, for the kings were the shadows of the gods upon earth. The crown of Lower

Egypt and also the Pschent, or crown of the Double Empire (consolidated Egypt) were surmounted by a curious antenna, feeler, or very thin curved horn, which is most reminiscent of the decryptions of the structure of the third eye that have descended from the first ages. The Maat, or ostrich plume of the Law – another Egyptian symbol of truth, is quite similar to the pineal gland in shape and was worn like the feather of the American Indians as though rising from the parietal forehead. By many tribes birds are regarded as emissaries between the manidos and mankind and bird feathers worn in this fashion could easily have a double significance. The peacock feather, with its oscillated spot, is attracted to the head of the Chinese mandarin in a position somewhat similar to the pineal gland to the human head (lying backward), and as a symbol of dignity or an enlightened condition accompanying greatness may have a similar origin.¹⁵ Biologically this organ secretes chemicals known as pheromones that trigger our emotions and fears, commonly known as the “smell of fear.”

In December 2008 an announcement was made by the US Defense Advanced Research Projects Agency that the Pentagon’s military research wing – was funding research to the first step to isolating the human fear pheromone for use in warfare, perhaps to induce terror in enemy troops or to trigger bees to sting enemies in the field.¹⁶

Conclusion:

Prior to the spraying of the Light Brown Apple Moth in California with a biological pheromone pesticide there was no observation of yellow fluorescent dye in the sclera of both males and females in Los Angeles and surrounding major cities. Monitoring of the sclera showed a decline in visual dye under UV-B black light, this depleted in brightness to a pale yellow color upon use of FIR Radiant Heat Therapy. It must be noted that this same dye is utilized in brain mapping nano technologies and cell signaling research with remote monitoring equipment. The original dye used as a tracer in the biological pesticide not determined due to manufacturing not responding to written and telephone messages. Further investigation needs to be made to determine, if the application of pesticides for the LBAM and funding for pheromone fear studies were part of the same research project without the public not giving approval to being a human experiment. None of the individuals monitored were exposed to any form of medical dyes for over 1 year or not at all. It is remarkable to note that the dye found in the sclera does correspond to the same Ancient Egyptian measurement system used in the Eye of Horus calculations during the Old Kingdom times. I was noted in this study that it took approximately 6 months before the dye would leave the eyes and deposited on the tongue. Due to the physical nature of the dye and the organ systems involved and observed, one could also conclude that the dye could have been used for remote brain mapping situations. The Rx symbol which is used by pharmacies and in medicine has its origins in the Eye of Horus.

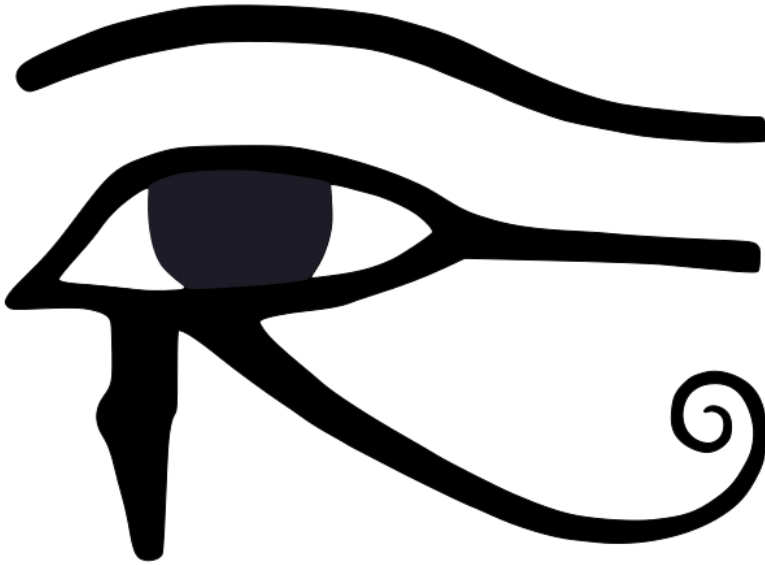
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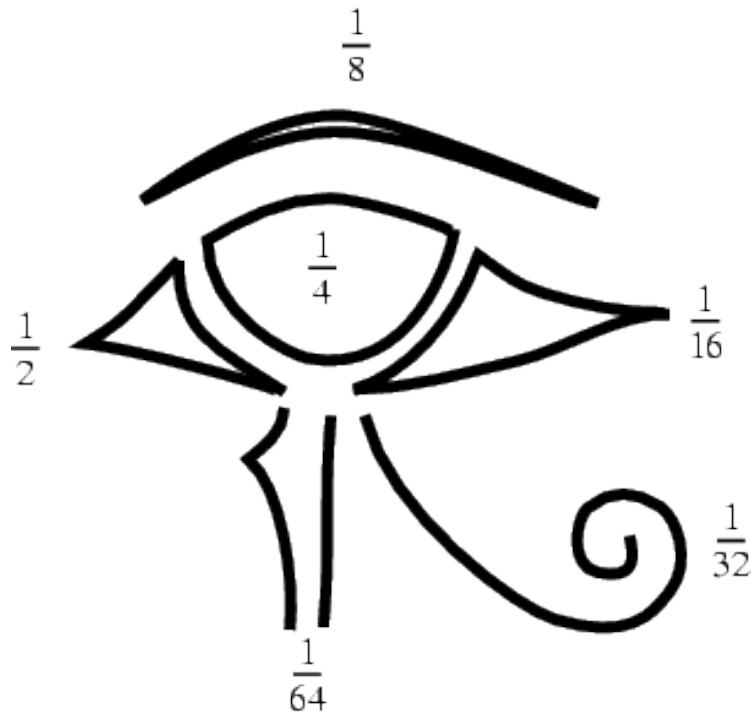
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Special thanks to Ms. Veronica Hendrick and Kavier Marques, Jam Digital Productions, Oxnard, California for assisting with photographs of individual(s) who had fluorescent dye in their sclera after spraying for the Light Brown Apple Moth in major cities of California and Ms. Aurora Sacarello for assistance in obtaining photographs of certain Egyptian Art pieces utilized in this paper © 2008-2009.

DIAGRAM 1-1: Various types of examples of the Eye of Horus. Note the mathematical fractions at each area of the sclera and sensory areas on the face.
A. Eye of Horus B. Mathematical Fractions of the Eye of Horus

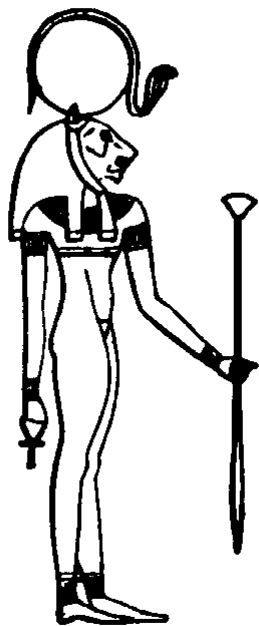


A.



B.

DIAGRAM 2-2: Pictures of Egyptian deities Bast, Mut and Hathor respectively.



Bast.



Mut.



Hathor.

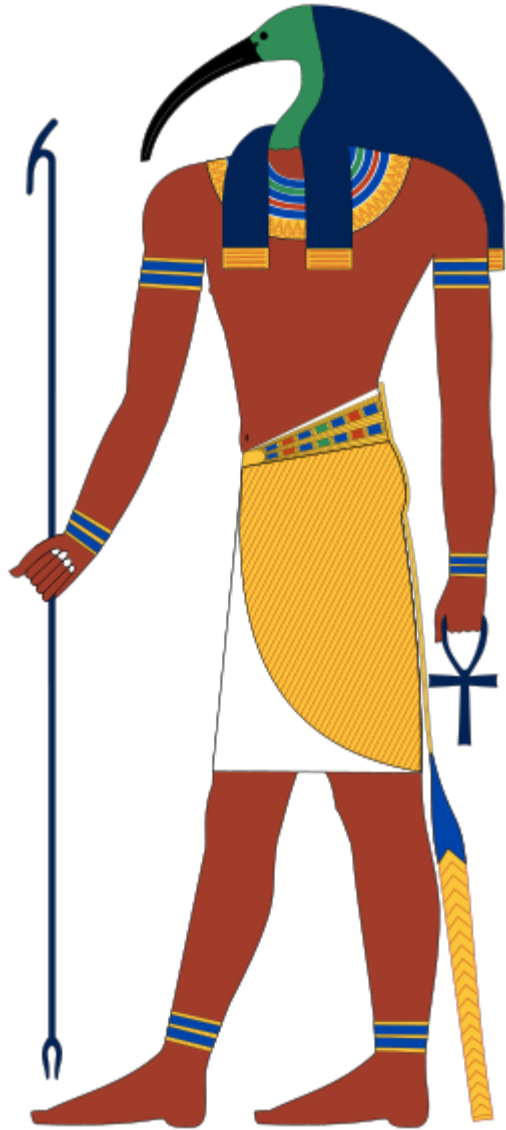
DIAGRAM 3-3: Pictures of Egyptian deities Horus, Ra and Thoth respectively.



Horus.



Ra.



Thoth.

DIAGRAM 4-4: A. Egyptian Mathematical Leather Roll with B. translation and C. Akhmim Wooden Table.

A.



1		1	10	^	∩	100	↵	ϩ	1000		ϩ
2		2	20	^	∩∩	200	↵	ϩϩ	2000		ϩϩ
3		3	30	^	∩∩∩	300	↵		3000		
4	—	4	40	—	∩∩∩∩	400	↵		4000		
5	γ	5	50	γ	∩∩∩ ∩	500	↵		5000		
6	/ 2	6	60	∩	∩∩∩ ∩∩	600			6000		
7	∩	7	70	∩	∩∩∩∩ ∩∩	700			7000		
8	=	8	80	∩	∩∩∩∩ ∩∩∩∩	800			8000		
9	∩	9	90	∩	∩∩∩∩∩ ∩∩∩	900			9000		
10	^	∩	100	↵	ϩ	1000		ϩ	10000		ϩ

B.

C.



DIAGRAM 5-5: A. Faience Vessel, B. Bes holding Eyes.

A.





B.

Photograph 1-1: Individual After Spraying for Light Brown Apple Moth with biological pesticides containing pheromones and invisible tracer dyes, Oxnard, CA © 2008

Photograph 2-2: Individual After Spraying for Light Brown Apple Moth with biological pesticides containing pheromones and invisible tracer dyes, Los Angeles, CA © 2009

Photograph 3-3: Individual After Spraying for Light Brown Apple Moth with biological pesticides containing pheromones and invisible tracer dyes, Irvine, CA © 2008