

# A Six-Level Model for Unidentified Aerospace Phenomena

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# The Challenge of High Strangeness

- The rational study of unidentified aerospace phenomena (« UAP ») is at an impasse today because of:
  - The complexity of the data
  - Incomplete models of reality
  - Extreme polarization among researchers:

Skeptics argue that the behavior of reported objects is absurd while believers insist that the extra-terrestrial hypothesis (ETH) is a good explanation for the phenomena.

# Why the study of UAP is important

- The phenomena are continuing
- They are unexplained by current hypotheses, including the ETH
- They may provide us with new models of physical reality
- Both skeptics and believers suffer from anthropocentric self-selection
- Recent progress in cosmology is applicable here:
  - traversable wormholes (Morris & Thorne, Visser)
  - 3D hypersurface tunnels
  - macroscopic extra-dimensional spaces (Schwarzschild)

# Orthodoxy in SETI Research

- The SETI « Orthodox View » (Oliver et al., 1973) is based on an « assumption of mediocrity »
- SETI has followed a radio/microwave model for 4 decades with no result.
- In the last two decades new approaches have explored alternatives: laser/optical, astroarchaeology, visiting probe studies (Tough)
- Other schemes have enlarged the scope: particle detection, excess radiation, starship exhaust (Matloff)
- SETI suffers from the same anthropocentric bias as UAP research

# Orthodoxy in UAP research

- UAP research is dominated by the ETH ideology
- UAP reports, categorized as « UFO » by the media, are exclusively associated to the notion of space visitors
- Witness reports and analysis (from photographs, radar data, trace studies) fail to support the « first-level » ETH after 50 years of study. No scientific proof from:
  - Nicap and Apro (1950-1980s) followed by Mufon (1980s-present)
  - USAF studies and Project BlueBook (1940s-1969)
  - Cufos surveys from Alan Hendry to the present
  - French Sepra studies (1975-present)
  - Studies by NIDS (1990s – present)

# WANTED: A new, unified approach

No experiment can distinguish between

- phenomena manifested by visiting interstellar (arbitrarily advanced) ETI, and
- intelligent entities or forms of consciousness that may use time travel or *exist near Earth* within a parallel universe, different dimensions.

# Six levels of UAP Phenomenology

- Level I: physical
- Level II: anti-physical
- Level III: psycho-sociological
- Level IV: physiological
- Level V: psychic
- Level VI: cultural

*Specific methodology and investigation tools are required at each level.*

# Level I: Physical phenomena

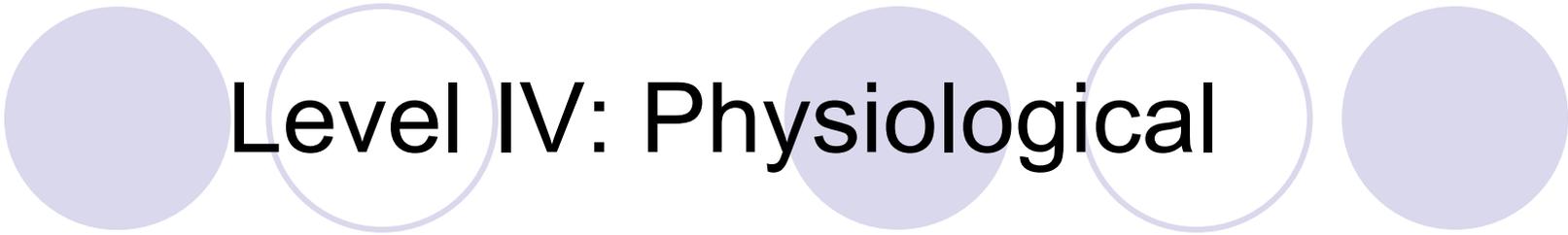
- Consistent geometrical position in space
- Time-related motion
- Thermal interaction with environment
- Light absorption and emission
- Atmospheric turbulence
- Traces in close encounter reports
- EM and gravitational effects
- Photographs

# Level II: « anti-physical » phenomena

- Inconsistent geometrical changes
- Disappearance « on the spot »
- Time dilation or reduction
- Topological inconsistencies
- Disappearance by gradual transparency
- Division or merging of separate objects
- Solid objects « sinking into the ground »

# Level III: Psycho-sociological

- Observers are a normal cross-section of the local population
- Observers seek explanations in their everyday life experience
- Reports are modulated by the witness' education, language, family relationships, age and social status
- Lack of explanation has a powerful impact on subsequent behavior
- Recall of details may be blocked

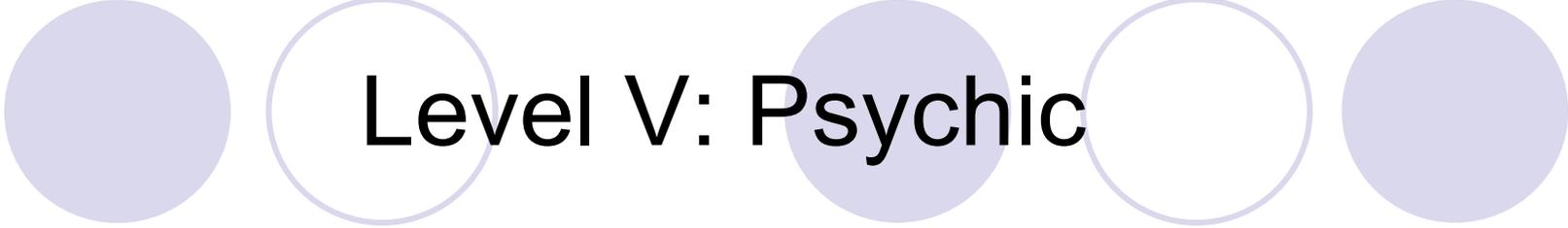


# Level IV: Physiological

- Sounds (beeping, buzzing, whistling, etc.)
- Intense luminosity
- Partial paralysis, loss of voluntary motion
- Odors, metallic taste, nausea

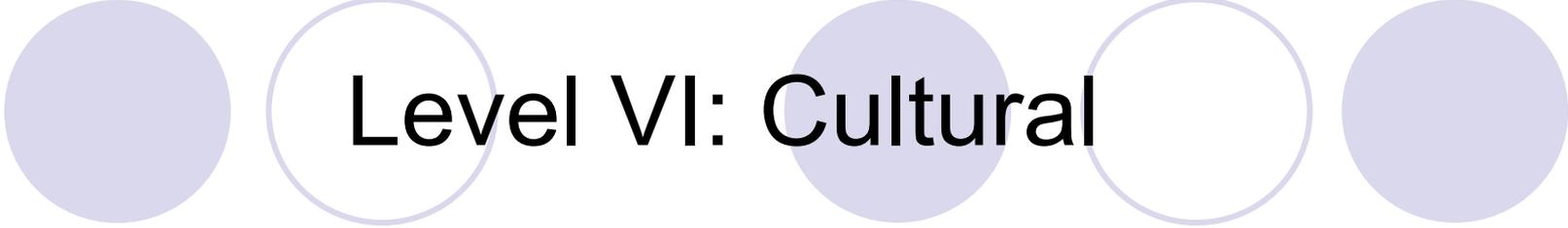
## *Sequelae:*

- Conjunctivitis
- Temporary blindness
- Sunburn
- Pricklings
- Radiation-like trauma
- Perturbed sleep patterns



# Level V: Psychic

- Reported impression of communication
- Poltergeist-like effects
- Premonition
- Levitation (of witness or other objects)
- Reported healing
- Personality changes promoting claims of paranormal abilities
- Apparitions inside the home
- Reported « abductions »



# Level VI: Cultural

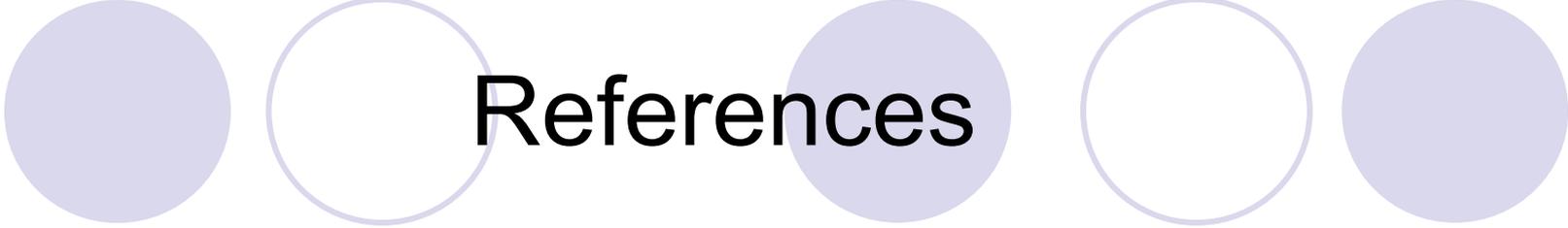
- Increased belief in space intelligence
- Increased imagery and acceptance of non-human interaction in cartoons, films, sci-fi, mainstream media, advertising
- Impact on religion (UAPS may be reported as miracles, and vice-versa)
- Impact on physical theories (an existence theorem?)
- Impact on folklore
- Re-interpretation of historical themes
- Increased acceptance of universal consciousness
- Hoaxes, claims of « cover-up », mistrust of government

# A new framework for UAP analysis

- We propose that UAPs are the product of a technology that integrates what Western culture and science regard as « physical » and « psychic » manifestations.
- UAPs impact cultural variables in human society through the manipulation of psychological and physiological parameters in the witnesses.

# Recommendations for Research

- The phenomenon should be approached as the product of an unknown technology
- Psychic impact may be deliberate - or only a side-effect
- Cultural manipulation may be the goal of a control system, to be tested with adequate tools
- Specific methodology is required to study each of the six levels before synthesis can be attempted
- The debate should not be restricted to pro- or anti-ETH.
- A wide range of hypotheses should be explored, taking into account historical reports, the experience of religious phenomena and the paranormal.



# References

- The full paper is published in the Proceedings of the Porto conference under the title « Incommensurability, Orthodoxy and the Physics of High Strangeness »
- It includes an extensive bibliography
- For further information visit the NIDS site at [www.nidsci.org](http://www.nidsci.org)