



A Strategy for Research

Jacques F. Vallee

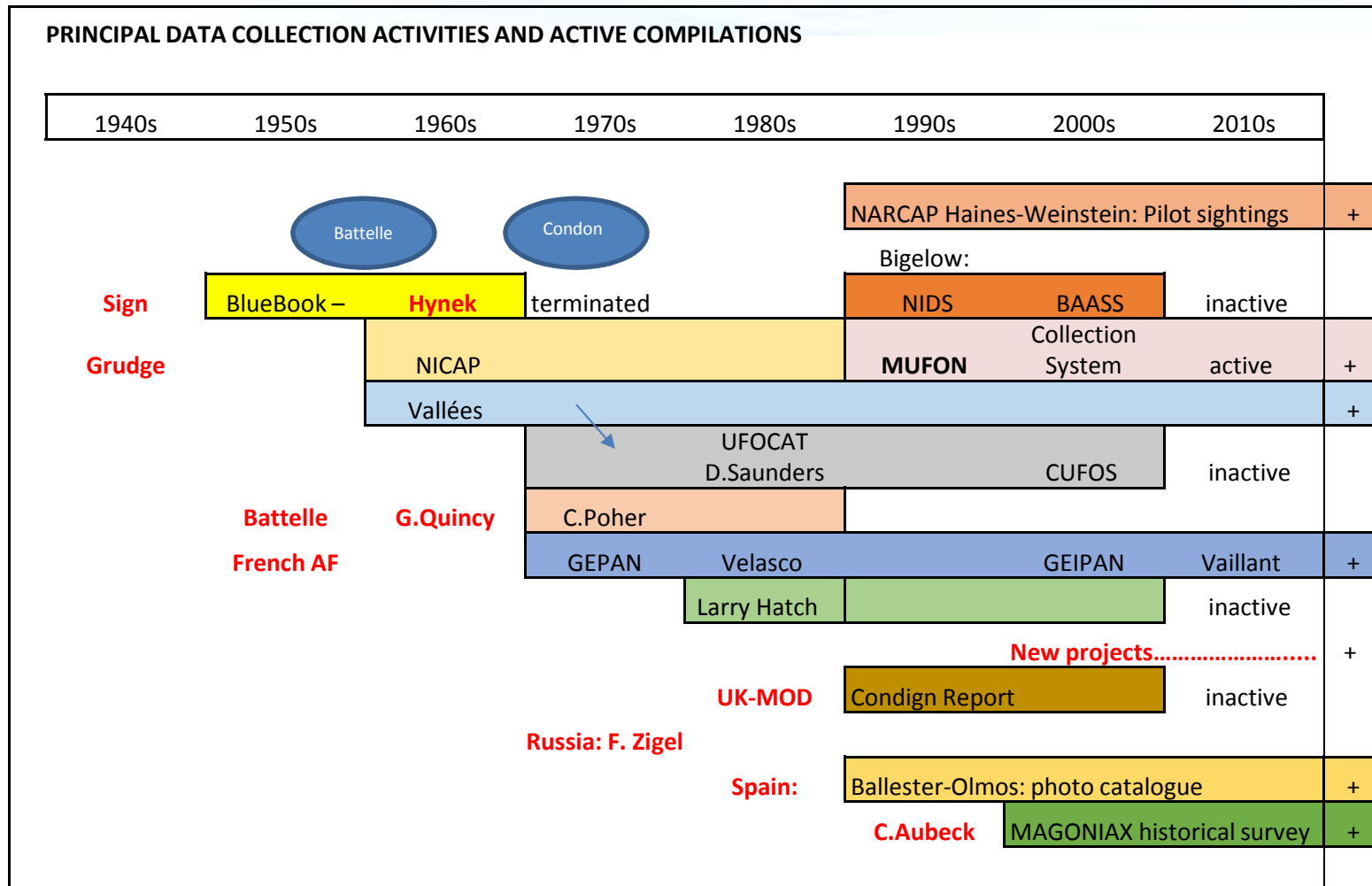
www.jacquesvallee.com

documatica@aol.com

Outline

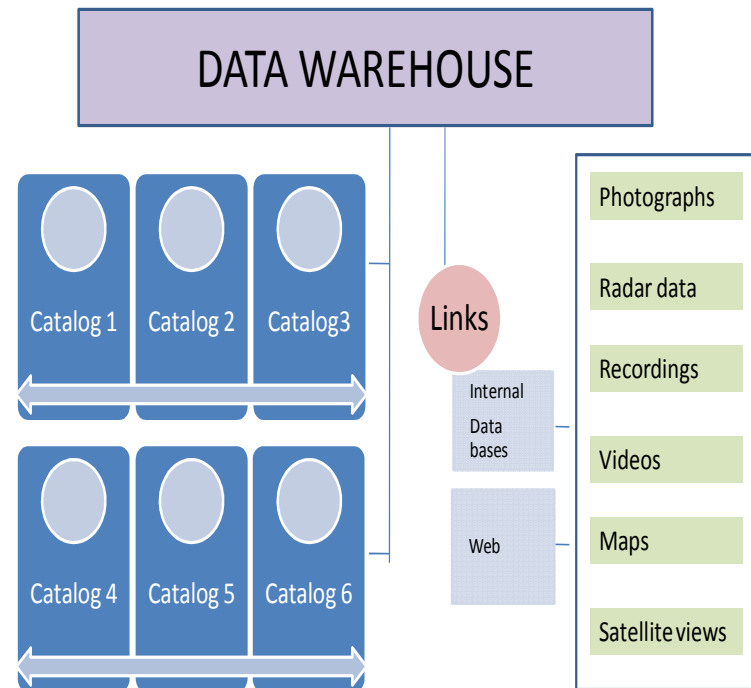
- Brief History of UAP data collection and retrieval systems
- Lessons from the « Capella » Project
- Researchable issues
 - A. Unknown Patterns
 - B. Physics of the Phenomenon
 - C. Special Locations
 - D. Social and Cultural Factors
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Brief History



Lessons from the « Capella » Project

- Capella (2008-2011) was a « data Warehouse » composed of 11 databases linked to external resources.
- As in the case of many prior efforts, secondary levels of screening and follow-up were not implemented, hence signal/noise remained poor.
- Datamining based on messy data is worse than doing nothing!
- « Ufology has no Ontology »



Researchable Issues

If « disclosure » of the reality of the phenomenon happened tomorrow, this community would be incapable of answering legitimate questions from governments, scientists and the public:

- A. Are there global patterns in the data?
- B. What are the physical facts of the phenomenon?
- C. Are there special locations where it manifests?
- D. What are the social and cultural factors?
- E. What is the impact on humans?
- F. What methodology is applicable?

A. Unknown Global Patterns

- How long has this phenomenon manifested? When did it start?
- What overall Patterns emerge from the available data?
- Is there a pseudo-random model behind these events?
- Does it suggest ongoing interaction with humanity?
- Is there a cyclical pattern of « waves » that can be used to forecast the timing and localization of future events?
- Is it correlated with known natural cycles (physical, astronomical, biological, etc)?
- What relationships emerge when witness-centered parameters are taken into account?

B. Physics of the Phenomenon

- What are the various types of manifestations (orbs, lights, sounds, structured objects) and how do they present in combination?
- What are the measurable effects: light energy output, material composition, compass readings, magnetic remanence, radioactivity?
- What new equipment needs to be designed to improve collection, preservation and analysis?
- How many cases involve impact on plant life? Insect life?
- How can insects and micro-organisms be recruited as enhanced detectors or measuring devices?
- Why is there no reliable, authenticated photograph of a UAP with appreciable detail? Is the problem with our equipment or ...?

C. Special Locations

- What are the characteristics of information-rich areas where the phenomenon appears to manifest often: Bigelow ranch, Col de Vence, Yakima Valley, the Urals cluster, Hessdalen, etc?
- How does its behavior change when confronted with special measures: equipment, new social conditions, military?
- What could be expected from special observation programs at such locations?

D. Social & Cultural Factors

- Did the phenomenon really change its behavior in 1947, or was that simply an effect of the American media?
- How does the phenomenon evolve as a function of geography, culture and physical parameters (hot, cold, ice, type of terrain?)
- How does the phenomenon react to human technology: sensors, cameras, nuclear devices, high technology, advanced aircraft?
- Are there global cycles in the phenomenon's relationship to humanity (and vice-versa) ?
- Does the phenomenon anticipate or mimic our inventions?
- Does it show a special interest in social upheavals or wars?

E. Impact on Humans

- What is the range of physiological and pathological effects on humans and animals? Does it vary across cultures?
- How do these effects vary with distance, altitude, type of object, time of day, apparent « maneuvers », emitted light/radiation, etc?
- Under what circumstances does interaction result in benefits for humans: apparent healing, enhanced consciousness?
- What are the characteristics of situations where it is a threat to humans, as opposed to other apparent behaviors?
- Under what circumstances is « communication » reported by witnesses?

F. Methodology

- Can analysis disclose evidence of a « control system » behind the hidden patterns of the phenomenon?
- Can we determine what is the reference signal in such control?
- What should the size and scope of a database be in order to reliably support hypothesis testing? How sensitive is it to culture, language, epoch?
- What form of reasoning is appropriate: deductive, inductive, abductive? Why?
- What are the patterns of mimicry used by the phenomenon? Can we separate the underlying « technology » from the simulacra it generates?
- Are we capable of testing our hypotheses reliably? In other words, given a hypothesis with good statistical support, can a skeptical analyst « prove » the opposite hypothesis with equally good statistical support?

Key Observation

ALL the above issues can be researched
TODAY with the current tools available to
the Sciences,
WITHOUT any preconceived ideology
And without using the ETH as the dominant
hypothesis to be tested

Beyond Capella

- Future projects will need long-term vision and extended support
- « Magical » technical solutions should be resisted at all cost
- Applicable tools need to admit unstructured data, natural language processing and graphic information
- Deep knowledge of the phenomenon *in the field* is essential
- Modern, « No-SQL » software is mandatory
- The data warehouse should support different communities
- *Localized studies* are an ideal test-bed for hypothesis generation:
e.g. J-F.Boëdec's analysis of sighting data in Finistère, 1950-1981.
His conclusion: « A novel phenomenon with stable patterns,
independent of group delusion ».