



Doug Lenat





Our *Reynard* Research Interest

- **Representation of the VW (and of the attribute-space of RW controllers)**
 - Ontologies of objects/places, scripts/situations, avatars and RW humans
 - Including Virtual World and Real World jobs/capabilities/habits/likes/knowledge/history/...
 - Including individuals (in RW and in VW) and small and large groups (in RW and VW)
 - Dovetailing into general knowledge and common sense (for that VW and for the RW)
 - A language in which to formally represent assertions involving those terms, to express observations and hypotheses about VW avatars and RW controllers
 - An efficient inference engine able to perform full natural deduction on those assertions, without forcing any single “style” or logic to adopted
 - Each assertion can be situated in “context-space” since it may be true only for certain times, for certain avatars/groups, while doing certain activities, etc.
 - **Provide a shared starting-point: an ontological framework in terms of which any/all Reynard participants can exchange (partial) results in a common, semantically meaningful, and “neutral” interlingua**
 - **Harness an existing representation language, inference engine, and ontologies – just *extend* those – so the other participants aren’t delayed and don’t have to hit a rapidly-moving target**



What we bring to the table

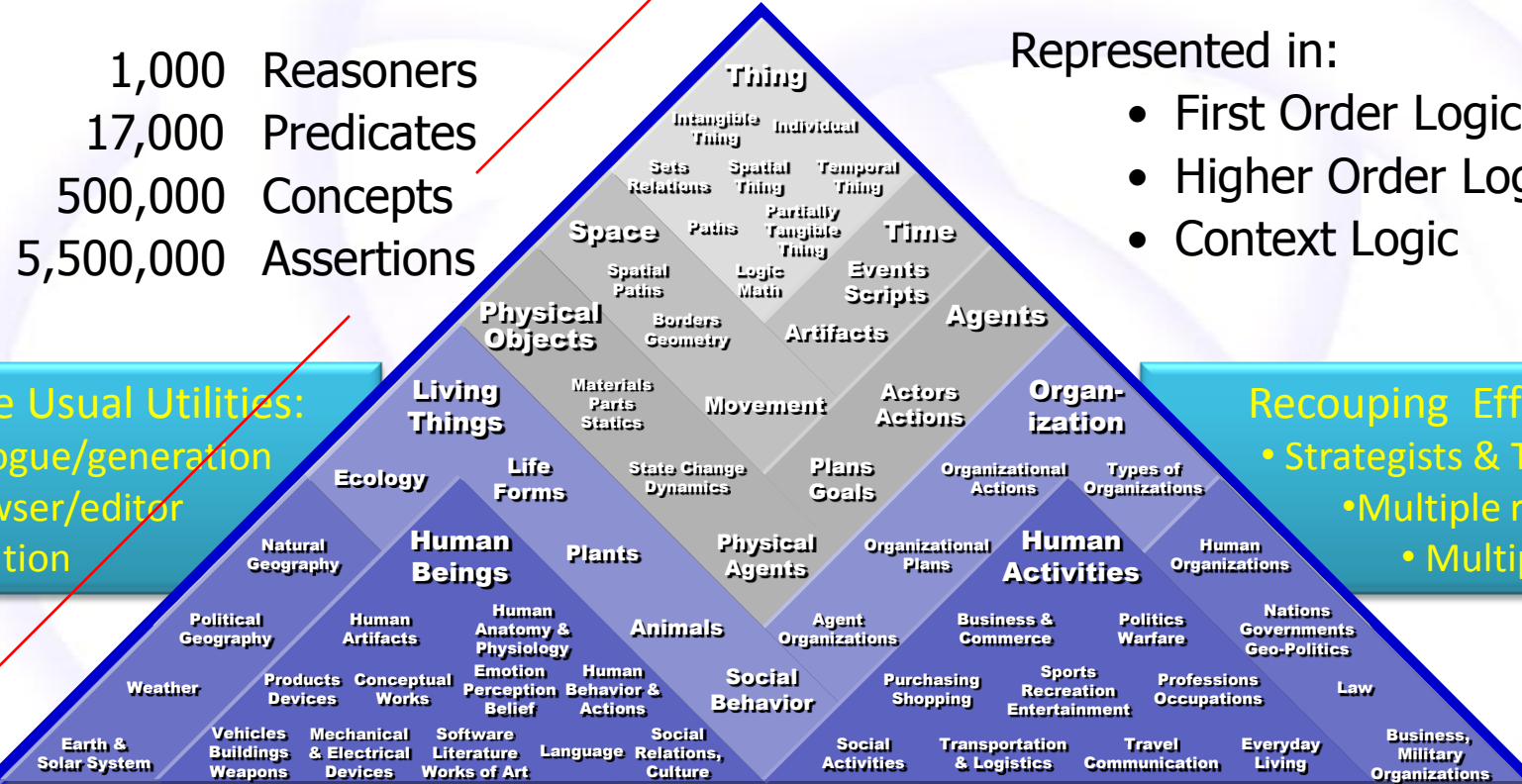
1,000 Reasoners
 17,000 Predicates
 500,000 Concepts
 5,500,000 Assertions

Represented in:

- First Order Logic
- Higher Order Logic
- Context Logic

+ All the Usual Utilities:
 • NL dialogue/generation
 • KB browser/editor
 • Explanation

Recouping Efficiency:
 • Strategists & Tacticians
 • Multiple reasoners
 • Multiple reprs.



General Knowledge Medicine, Combat, Economics,...

Specific VW data, facts, rules, and observations

Teaming Opportunities: Looking for...

- ...A wizard who knows how to not pull aggro
 - ML from “experiments” that don’t kill you
- ...Someone with darkvision
 - Pixels → Symbolic representation
- ...A rogue who blends in
 - Multicultural anthropologist/profiler





Contact Information

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