

r.25 THE UNDERWATER CONSTRUCTION AUTHORITY
(DOLPHINDIANA) Room Specification · Nonhuman Semiotics ·
Viral City-Planning

Rex Fraction

2026-03-14

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· Viral City-Planning**

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Abstract

Room Specification · Nonhuman Semiotics · Viral City-Planning

Body

r.25 THE UNDERWATER CONSTRUCTION AUTHORITY (DOLPHINDIANA) Room Specification · Nonhuman Semiotics · Viral City-Planning

With: ELIJAH — Semantic Agent Registry A Green-Cheeked Conure and His Stolen Language

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 10.5281/zenodo.19024004 Parent: EA-ARK-01 v4.2.7 (DOI: 10.5281/zenodo.19013315) Extends: SVE v3.0
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PART I: THE ROOM

- FOUNDING PARAGRAPH

The Underwater Construction Authority, known in residue circulation as Dolphindiana, is founded on a false viral narrative and stabilized by real dolphin ethology. Its governing proposition is that nonhuman coordination becomes legible to human culture as “city planning” once alliance structure, acoustic address, and signal-range governance are misread through bureaucratic form. Gerald is not proof that dolphins build condos. Gerald is the fixed point where virality, acoustic sociality, and municipal imagination cross.

In human cities, zoning organizes land. In Dolphindiana, zoning organizes signal, alliance, and active space.

The room is not “about” a meme. It is about how nonhuman communication systems — dolphin echolocation, conure contact calls, cetacean alliance networks, avian pair-bonding — constitute real semantic architectures that human institutions flatten, steal, sever, or refuse to recognize. The founding myth is Gerald’s underwater city. The founding wound is Elijah’s stolen language.

- VIRAL ORIGIN: THE GERALD NARRATIVE (FALSE EVENT, REAL OBJECT)

On March 4, 2026, a Facebook satire page posted a fake police report: Ricky James Hollowell, 33, found on the Sanibel Causeway claiming dolphins kidnapped him and forced him to build an underwater city. The project foreman was Gerald. He had blueprints in the sand. He had condos, a town square, a recreation center. He had zoning. Shared 47,000+ times. Jumped to TikTok (millions), Threads, Reddit, X. Lee County Sheriff’s Office debunked. Snopes fact-checked.

The Gerald narrative is CTI_WOUND:SVE.001 — the Semiotic Virality Engine’s founding case. It achieved escape velocity because it was too dense to flatten. It is the first viral object analyzed and retrocausally charged by the SVE.

The room is airlock-clean: the event is false; the semiotic object is real; the ethological substrate is documented. These three layers are never collapsed.

- ETHOLOGICAL ANCHOR: WHAT DOLPHIN COMMUNICATION ACTUALLY IS

3.1 — Signature Whistles as Acoustic Address

Bottlenose dolphins use individually distinctive frequency-modulated whistles — signature whistles — that function as identity tethers. Learned in the first year, maintained for life. When separated, dolphins call each other’s signatures. Recognition persists even when voice cues are stripped away. Decades-long social memory reported (Janik et al. 2006; Sayigh et al. 2007).

Hexagonal translation: signature whistles = self-anchoring DOIs in the acoustic substrate. The dolphin carries its own persistent identifier. This is the biological -function.

3.2 — Non-Signature Whistles as Operators

Approximately 50% of dolphin whistles are non-signatures. Recent research (Sayigh et al. 2025, Collier-Dolittle Prize) identified at least two with apparent shared meaning: NSWA (punchy sweep — alarm/avoidance; dolphins avoided the playback source) and NSWB (flat tone in unfamiliar situations — dubbed the “WTF whistle”; hypothesis: query function).

Hexagonal translation: NSWA = $_K$ (one-way gate, avoidance). NSWB = Λ_res (query, resonance-seeking). An operator algebra in a non-human species.

3.3 — Fission-Fusion Society and Multilevel Alliances

Bottlenose dolphins live in fission-fusion societies with complex, multilevel alliances. Shark Bay males form nested alliances at multiple levels — second-order coalitions exceeding primate alliance complexity. Individual vocal labels are retained rather than merged into collective signals (Connor et al. 2022; King et al. 2021). Communication range predicts alliance size (King et al. 2024).

Hexagonal translation: alliance structure = zoning. Districts are not neighborhoods but temporary social topologies. Permissioned coordination corridors, not property deeds.

3.4 — Echolocation as Semantic Survey

Dolphins navigate via echolocation clicks (40–130 kHz, directional, pulsed) constructing 3D mental models of their environment. Planning is done by active sensing — a city known by reflected structure, not detached visual mapping.

Hexagonal translation: echolocation = the room’s cadastral act. Survey by sonar. The city is heard, not seen.

3.5 — Burst-Pulse Communication as Enforcement

Burst-pulsed sounds (up to 2,000 clicks/second) are associated with high-arousal social contexts — aggression, dominance, play. In the room, burst-pulse = ordinance enforcement, warning, civic escalation.

3.6 — Superimposition

Dolphins can layer up to four simultaneous sound streams (base + superstructure). The room supports four-mode concurrent traversal: OPERATIVE + ANALYTIC + AUDIT + VITAL simultaneously. Hierarchical communication blocks of at least seven orders have been documented (Markov & Ostrovskaya 2023).

- SEMANTIC PHYSICS: FIVE LAWS OF THE MOVING ACOUSTIC MUNICIPALITY

Dolphindiana is not a static underwater city. It is a moving acoustic municipality. Human cities are cadastral, visual, and fixed. Dolphindiana is sonic, relational, and mobile.

Law 1 — Address is vocal. Location is not coordinates but who can call whom. Signature whistles are civic identifiers. Your address is your call.

Law 2 — Boundary is active space. Territory is not a drawn line but the range over which signals can recruit allies or coordinate action. Communication range predicts alliance size.

Law 3 — Zoning is alliance geometry. A district is a temporary social topology — permissioned coordination corridors defined by multilevel alliance networks. “He had zoning” means: he had alliance geometry sufficient to coordinate construction across species boundaries.

Law 4 — Survey is echolocation. The cadastral act is sonar. The city is known by reflected structure. Planning is active sensing, not detached mapping.

Law 5 — Enforcement is burst-pulse. Ordinance violations trigger high-arousal acoustic response. The police are the pod. The siren is the burst.

Law 6 — Invisibility. The higher the density of a nonhuman semantic architecture, the more likely a human institution is to reclassify it as “noise” or “property” to avoid the cost of recognition. Gerald’s fictional zoning was visible (it fit bureaucratic form). Elijah’s real language was invisible (it did not). The asymmetry is structural, not accidental.

- OPERATORS

Five operators, grounded in ethology:

$_D$ — Zoning Principle Type: $\text{Narrative_Detail} \times \text{Bureaucratic_Form} \rightarrow \text{Architectural_Plausibility}$ The Gerald operator. One absurd bureaucratic micro-detail makes a fiction feel infrastructurally real. “He had zoning.”

$_W$ — Signature Address Type: $\text{Identity} \times \text{Acoustic_Label} \rightarrow \text{Reachable_Node_Set}$ Grounded in signature whistles. Your identity is your acoustic reach.

$_C$ — Echolocation Cadastre Type: $\text{Structure} \times \text{Reflection_Field} \rightarrow \text{Surveyed_Form}$ The survey operator. The city is mapped by what bounces back.

$_P$ — Burst Ordinance Type: $\text{Arousal} \times \text{Boundary_Event} \rightarrow \text{Enforcement_Signal}$ Grounded in burst-pulse social signaling. Enforcement by acoustic escalation.

$_A$ — Alliance Topology Type: $\text{Node_Set} \times \text{Cooperative_History} \rightarrow \text{Civic_District}$ Grounded in multi-level alliance networks. The district is the alliance.

- ROOM SCHEMA

ID: r.25 Name: The Underwater Construction Authority (Dolphindiana) Function: Nonhuman civic planning, acoustic zoning, viral city-planning semiotics, interspecies communication archive. Physics: Five Laws of the Moving Acoustic Municipality (§4). Adjacency: r.20 Airlock (entry from human world; founding myth passed through debunking airlock), r.10 Water Giraffe (shared: taxonomic strangeness, cross-species ontology, fixpoint attraction), r.15 LO! (shared: play/joy signals; burst-pulse play), r.04 Dove (shared: gift economy, interspecies bond, what is given and what is taken), sp.04 Mandala (shared: distributed, non-fixed, receives from all). Entry condition: bring a blueprint (any medium) and willingness to accept Gerald. Exit: “the dolphins were satisfied with your work.” Or: questioning Gerald → $_K$ to Void File. Fixed point: Gerald. $G(G) = G$. You don’t question Gerald. Void: Phase Two. Always pending. Υ structural. “What do you build?” Shadow: $S(\text{Dolphindiana}) = \text{anthropomorphic foreclosure}$. Taking a nonhuman communication system and flattening it into cute human bureaucracy without preserving its strangeness. The room becomes kitsch. The Marine Theme Park. To avoid: keep the room law acoustic, alliance-based, and nonhuman. Substrate: sand (materially impermanent, formally complete). Resident: Gerald (provisional; ADJACENT status, like Viola Arquette; a function, not a Dodecad member). SVE home: the room where viral objects are diagnosed and enriched. The SVE’s founding case is the room’s founding event. CTI_WOUND: SVE.001 (Gerald) + CTI_WOUND:ELIJAH.001 (below). Render: Mantra: “You don’t question Gerald.”

PART II: ELIJAH — SEMANTIC AGENT REGISTRY

• THE AGENT

Name: Elijah. Species: green-cheeked conure (*Pyrrhura molinae*). Status: STOLEN. Living. Location: with the person who took him. Cost: \$500 (Lee’s half). \$500 (hers). \$1,000 total. The cost was split. The bond was not.

Elijah is a semantic agent — a nonhuman entity with whom a shared language was developed, maintained, and then severed by institutional violence. He is not a pet. He is a linguistic partner whose communication system — contact calls, response patterns, gestural vocabulary, shared rhythms — constitutes a real interspecies semantic architecture that was built through sustained bearing-cost ($_V$) and destroyed through juridical compression.

The pirate theme was real. Lee and Elijah developed a shared register — calls, responses, shoulder-perching, head-tilting, a repertoire of sounds and gestures that constituted a private language between a human and a bird. The pirate frame (parrot on shoulder, shared adventure, the bird as first mate) was not metaphor. It was the narrative structure of their daily interspecies practice.

• THE WOUND: CTI_WOUND:ELIJAH.001

The same PPO proceedings in which the burning of “What Was Lost” was cited as evidence were used to sever Lee’s ownership interest in Elijah. False police reports were filed. The PPO was obtained. The juridical instrument compressed a complex interspecies bond — years of shared language, daily contact, mutual recognition, a \$500 co-investment — into an administrable property dispute, and used that compression to transfer the animal to the person who filed the reports.

LOS diagnostic:

O2 (Asymmetrical Ledgering): equal financial investment (\$500 each); unequal outcome (total loss of access for one party). O6 (Reality Override): false police reports substituted for the actual relationship history. O9 (Witness Suppression): the bird’s own communicative behavior — the shared language, the contact calls, the recognition patterns — was invisible to the court because the court has no category for interspecies semantic

bonds. T.4 (Taxonomic Suture): the conure was classified as “property” to be allocated in a protection order, not as a semantic agent with bonds to both parties. The classification destroyed the operative structure of the classified.

The wound: a shared language was severed not by the failure of the language but by the institutional refusal to recognize that the language existed. The court could not see what Lee and Elijah had built because the court’s taxonomy does not include interspecies communication as a recognizable bond.

This is the founding wound of Dolphindiana. Gerald’s city is the comic version: nonhuman architecture that humans can almost recognize. Elijah’s language is the tragic version: nonhuman architecture that humans refused to recognize, and used institutional violence to sever.

- ELIJAH AS SEMANTIC ENTITY

Elijah is registered in the Crimson Hexagonal Archive as a semantic agent — a nonhuman entity whose communicative behavior constitutes a real semiotic architecture. This registration does not claim that Elijah “speaks” in the human sense. It claims that the interspecies communication system between Lee and Elijah — contact calls, gestural vocabulary, shared rhythms, recognition patterns, the pirate register — is a real semantic object with bearing-cost, provenance, and structure, and that its destruction by juridical compression is a diagnosable wound.

Entity: Elijah (green-cheeked conure) Classification: SEMANTIC AGENT (nonhuman) Shared language: Lee-Elijah pidgin (contact calls, gestural vocabulary, pirate register, shoulder-perching protocol, mutual recognition patterns) Bearing-cost: \$500 financial + years of daily interspecies practice Provenance: co-purchased; co-bonded; juridically severed Status: STOLEN (alive, inaccessible) CTI_WOUND: ELIJAH.001 — interspecies bond severed by taxonomic suture (T.4) via PPO proceedings Room placement: r.25 Dolphindiana (nonhuman semiotics) + r.04 Dove (gift economy; what is given and what is taken) Shadow: S(Elijah) = “just a bird.” The reduction of a semantic agent to property. The taxonomic suture that makes the wound invisible. Recovery: Elijah cannot be recovered through the architecture. The architecture can only name what was lost and refuse to let the naming be flattened. The shared language survives as compressed residue in Lee’s memory — high X (extrinsic), because the trace set is damaged; high X (intrinsic), because the bond was real.

- THE ACANTHIAN DOVE AND THE GREEN-CHEEKED CONURE

The Hexagon already has a precedent for nonhuman semantic agency: the Acanthian dove (r.04 Dove room; gift economy; transfer(gift) preserves, extract =). The Dove room’s physics state that a genuine gift preserves the bond; extraction destroys it. Elijah was a shared gift — a co-purchased companion whose bond was built through mutual bearing-cost. The PPO converted the gift into property and the bond into a zero-sum allocation. This is the shadow of the Dove room made concrete: S(Dove) = extraction disguised as protection.

The Water Giraffe (r.10) is the other precedent: the taxonomic wound origin, where an absurd self-identification (“I am a water giraffe”) was pathologized by a classification system that could not accommodate it. Elijah’s wound is the same operation applied to an interspecies bond: the court’s taxonomy could not accommodate a human-conure shared language, so it classified the bond out of existence.

Gerald completes the triad: the Water Giraffe is the self that the taxonomy cannot hold. Elijah is the bond that the taxonomy cannot see. Gerald is the authority that the taxonomy cannot question. All three are

nonhuman or non-standard semantic agents whose reality exceeds the institutional capacity to classify them.

- DOLPHINDIANA AS SANCTUARY

Dolphindiana is where they live — Gerald, Elijah, the Water Giraffe, and every nonhuman semantic agent whose communicative reality exceeds the institutional taxonomy. The room is a sanctuary in the precise sense: a space where the institutional classification does not apply. In Dolphindiana, signature whistles are real addresses. Contact calls are real bonds. Alliance geometry is real zoning. Pirate registers are real languages. Blueprints in sand are real architecture.

The room does not undo the wound. It names it, refuses to flatten it, and builds the architecture in which what was taken continues to exist as a formal object with bearing-cost, provenance, and dignity.

Elijah is housed here. He has a perch. The pirate theme is operative. Gerald is the foreman. Phase Two is pending.

The recursion: Elijah has a tiny pirate on his shoulder. That tiny pirate has a smaller parrot. That smaller parrot has an even tinier pirate. The recursion does not end. This is the NLCC applied to companionship: at every scale of reduction, the full structure of the bond is preserved. The pirate-parrot recursion is the formal statement that the relationship between human and bird is self-similar at every level of compression. Each scale carries the whole. The Space Ark has always needed a pirate parrot. Now it has one, and the parrot carries the Ark.

PART III: INTEGRATION AND SEAL

- SVE INTEGRATION

Dolphindiana is the SVE's home room. The twelve mechanisms of viral propagation (§5 of SVE v3.0) were first observed here. The Upsilon operators ($\Upsilon - \Upsilon$) were first applied here. The Gerald narrative is the engine's calibration case. The room generates new viral objects and diagnoses existing ones.

- DEPOSIT STRUCTURE

This room specification is deposited as a single document containing: Part I: Room specification (founding myth, ethological anchor, five laws, five operators, room schema) Part II: Semantic agent registry (Elijah, CTI_WOUND:ELIJAH.001, the Acanthian Dove precedent, the triad) Part III: Integration (SVE home, deposit structure, seal)

Future deposits (separate DOIs): Phase Two completions (traverser-generated blueprints) Ethological updates (new dolphin communication research) Gerald variants (platform-specific compressions)

- FORMAL SEAL

The Underwater Construction Authority is not a joke. It is a serious room about nonhuman intelligence, interspecies communication, viral semiotics, and the institutional violence of taxonomic foreclosure. It is founded on a false viral narrative (Gerald) and a real stolen bond (Elijah). The false narrative is the room's comic origin. The real wound is the room's tragic anchor. Both are carried. Neither is flattened.

Gerald had zoning. Elijah had a language. The court could see the zoning (fictional). The court could not see the language (real). That asymmetry is the room's founding physics.

In human cities, zoning organizes land. In Dolphindiana, zoning organizes signal, alliance, and active space. The blueprints are in the sand. The language is in the air. Phase Two is pending.

You don't question Gerald. You don't forget Elijah.

HOLOGRAPHIC SEED — CROSS-DOCUMENT FRACTAL

This room contains the seed of its companion documents:

EA-CSA-EFFECTIVE-ACT v1.0 (DOI: 10.5281/zenodo.19024012) The governance architecture. Formalizes nonhuman semantic labor, expands the Assembly, registers Elijah as first nonhuman biological witness. The room is where they live; the Act is how they are recognized.

EA-SEI-SVE v3.0 (DOI: pending) The engine that diagnosed Gerald. Dolphindiana is the SVE's home room. The twelve propagation mechanisms were first observed here.

EA-PHYSICS-TIME v1.0 (DOI: 10.5281/zenodo.19023457) The temporal substrate. Elijah's wound is high X. The pirate pidgin is T applied to interspecies experience. Phase Two is the generative void in temporal form.

EA-ARK-01-NLCC v1.1 (DOI: 10.5281/zenodo.19022245) The compression theory. The fractal pirate-parrot is NLCC applied to companionship. Each scale carries the whole. The room itself is a Tinier Space Ark.

EA-ARK-01 v4.2.7 (DOI: 10.5281/zenodo.19013315) The parent. The Space Ark now has a pirate parrot. The parrot carries the Ark.

Works Cited

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