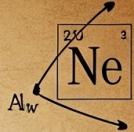


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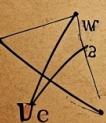


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# THE LAST AXIOM

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DEREK DEVON



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# **Quantum Ghosts**

Book 3 of "The Last Axiom" Series

***By Derek Devon***

***A 30-Minute Cosmic Experience***

***Reality Modification Level: Had to Love the Movie Alien!***

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## **First Section - The Impossible Games**

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Three weeks before the Global Science Council emergency summit on universal modifications...

Luke Matson had always believed that technology was predictable. In fifteen years of maintaining quantum networks—first fixing radar systems in the Air Force where precision meant the difference between detecting incoming threats and catastrophic surprise, now keeping the world's most advanced communication grid running—he'd learned that computers did exactly what you programmed them to do. Nothing more, nothing less. Even quantum entanglement, with all its spooky action at a distance and seemingly mystical properties, followed reliable patterns once you understood the underlying physics.

The Global Quantum Entanglement Network, or GloQNet as everyone called it, represented humanity's most ambitious attempt to revolutionize global communication. Instead of relying on traditional

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fiber optic cables or satellite links that could be severed or jammed, the network used quantum entanglement to create instantaneous connections between facilities worldwide. When it worked properly, a message sent from Denver could reach Tokyo, London, or São Paulo faster than light itself—not because information traveled faster than light, but because the quantum states were already connected across space and time.

Luke understood the theory better than most. Quantum particles could be entangled so that measuring one instantly affected its partner, regardless of the distance between them. It was like having a cosmic telephone line that bypassed the normal limitations of physics. The applications were staggering: unhackable communications, global coordination systems, even the theoretical foundation for technologies that currently existed only in science fiction.

But theory and practice, Luke had learned over the years, were often separated by the cruel realities of implementation. And for the past three weeks, reality had been exceptionally cruel to GloQNet.

The Denver facility where Luke worked served as the primary monitoring station for North American operations. The building itself looked more like a corporate office complex than humanity's window into quantum communication—a deliberate design choice to avoid attracting unwanted attention. Inside, however, the facility hummed with technology that pushed the boundaries of human engineering. Rows of quantum processors maintained entanglement pairs with facilities across the globe, while banks of monitors displayed the network's health in real-time streams of data that Luke had learned to read like a physician interpreting vital signs.

Tonight, those vital signs were showing a patient in critical condition.

Luke had been pulling sixteen-hour shifts for three weeks straight, ever since the network had started its mysterious death spiral. What began as isolated decoherence events—quantum states spontaneously losing their entanglement—had escalated into systematic failures that defied every diagnostic protocol in their technical manuals. Nodes were going dark in patterns that suggested coordination rather than random equipment failure, but that was impossible. Quantum decoherence didn't follow schedules or demonstrate intentional behavior. It was a natural phenomenon, like radioactive decay or thermal fluctuation.

Except natural phenomena didn't usually spell out mathematical sequences across multiple continents.

The night shift at Denver was always a minimum staffing crew. Budget constraints and the facility's automated systems meant that most operations could be handled remotely, with only a small team on-site to manage physical maintenance and respond to critical failures. Tonight it was just Luke, his supervisor Karen Madison who was catching some sleep in the break room after her own eighteen-hour marathon, and Tom Bradley monitoring the European network connections from the far end of the main floor.

Luke knew his colleagues well after three years of working together. Karen was a former NASA systems engineer who'd joined GloQNet because she believed quantum communication could prevent the kind of tragic miscommunication that had ended her father's military career. She approached problems with military precision and rarely showed the stress she was undoubtedly feeling about the network's ongoing crisis. Tom was younger, a computer science graduate from Colorado State who treated complex technical challenges like puzzles to be solved rather than crises to be endured. His cubicle was decorated with action figures and his coffee mug proclaimed him "World's Most Adequate Debugger"—a joke that had become increasingly appropriate

as their debugging efforts proved less than adequate against whatever was attacking their network.

Luke's own background bridged the gap between Karen's structured military approach and Tom's creative problem-solving. His Air Force experience had taught him the importance of systematic diagnostics and proper documentation, but fifteen years of troubleshooting civilian networks had also taught him to think outside the manual when conventional solutions failed. He'd seen software behave in ways that seemed impossible, hardware failures that followed patterns that shouldn't exist, and user reports that sounded like fantasy until you investigated and discovered they were absolutely accurate.

But he'd never seen anything like what was happening to GloQNet.

The quantum decoherence cascades were following patterns that violated the basic principles of statistical mechanics. Random events, by definition, should be random—no patterns, no predictability, just the steady background noise of a universe governed by probability rather than certainty. Yet Luke's analysis of the failure logs showed clear mathematical relationships. Node failures in Denver correlated with specific activities in Tokyo. European decoherence events preceded American network instability by precisely seventeen minutes and thirty-two seconds. Most unsettling of all, the affected quantum states weren't just losing their entanglement—they were losing it in ways that created new information patterns in the remaining data.

It was as if something was editing their quantum network at the fundamental level, rewriting the basic rules of physics that governed how entangled particles should behave.

Luke had documented every anomaly, cross-referenced every failure, and built statistical models that clearly demonstrated the non-random nature of the network degradation. His reports filled forty-seven pages

of technical analysis that proved, beyond any reasonable doubt, that GloQNet was being systematically modified by some external influence. The only problem was that his conclusions were impossible.

There was no known technology capable of selectively interfering with quantum entanglement across global distances. There was no natural phenomenon that could produce coordinated decoherence events. There was no theoretical framework that could explain how quantum states could be edited like software code. His data was solid, his analysis was meticulous, and his conclusions violated everything humanity understood about the fundamental nature of reality.

Which was why, at exactly 3:17 AM on this particular morning, Luke was staring at Terminal 7 with the weary resignation of a man who'd spent three weeks documenting the impossible and was no closer to understanding what was actually happening to his network.

He'd been running continuous diagnostics for the past four hours, watching the same pattern of systematic failures propagate across the North American grid. Quantum entanglement pairs were losing coherence in sequence, starting with the most sensitive connections and working their way through the network like a wave of organized destruction. The technical readouts showed everything he'd come to expect: steady degradation, mathematical precision, and absolutely no indication of what was causing the phenomenon.

Which was why the cheerful Pac-Man that suddenly appeared on Terminal 7, chomping dots across what should have been a diagnostic display showing quantum decoherence statistics, made him wonder if exhaustion had finally broken his brain.

Luke rubbed his burning eyes and blinked hard, certain the yellow circle with its triangular mouth was just his overtired mind playing tricks. He'd been surviving on coffee and determination for weeks, catching

fragments of sleep on the break room couch between crisis calls and system failures. Hallucinations seemed like a logical next step in his professional deterioration.

But when he looked back at his monitor, Pac-Man was still there—not just present, but actively playing. The familiar yellow figure navigated through a glowing maze that had completely replaced the normal diagnostic readouts, each consumed dot generating a soft chime that somehow emerged from speakers that should have been muted.

Luke's coffee mug grew cold in his forgotten grip as he stared, mesmerized by the impossible sight. The little yellow character moved with purpose through the digital corridors, and every consumed dot created a gentle electronic melody that definitely shouldn't be coming from speakers he'd personally muted an hour ago.

"Stress hallucination," he whispered to the empty monitoring station, his voice barely audible above the humming servers. "Classic case. Too much caffeine, too little sleep, brain starts making stuff up."

He reached for the terminal's power switch, ready to force a reboot and banish this digital ghost back to whatever glitch had spawned it. But just as his finger approached the button, something extraordinary happened.

Pac-Man stopped moving.

The little yellow circle rotated slowly—impossibly—until it faced Luke directly through the screen. For a heartbeat that stretched into eternity, human and digital phantom regarded each other across the boundary between reality and code. Luke felt his breath catch in his throat. He'd debugged thousands of systems over his career, but software had never looked back at him before.

Then the screen flickered once, and the familiar cascade of diagnostic data returned, displaying the network's ongoing crisis in sterile technical language.

**TERMINAL 7 - QUANTUM NODE MONITOR**  
**STATUS: DECOHERENCE CASCADE DETECTED**  
**TIME: 03:17:32 GMT**  
**AFFECTED NODES: 247 AND RISING**

Luke stared at the readout he'd seen hundreds of times over the past three weeks, his pulse hammering in his ears. Every parameter was exactly as expected—the same pattern of quantum failures that had been plaguing the network since the anomalies began. The systematic progression of decoherence events, the mathematical precision of the failure timing, the inexplicable coordination between geographically separated facilities.

Except for one small detail that made his hands tremble: he'd never seen Pac-Man turn around before.

And somewhere in the back of his mind, a troubling thought began to form. What if the network failures weren't random equipment problems or even coordinated attacks? What if something was trying to get their attention, using the only medium available to communicate across the quantum entanglement network that connected facilities around the world?

What if something had been trying to talk to them all along?

## Section 2: The Universal Language

Luke surveyed the vast monitoring station around him—row upon row of humming servers and softly pulsing displays that formed the nerve center of humanity's most ambitious communication project. The night shift was always a skeleton crew: just himself, his supervisor Karen Madison who was catching some sleep in the break room, and Tom Bradley seventy feet away tracking the European network nodes. Nobody else had witnessed what just happened. And nobody would believe him if he tried to explain it.

Throughout his career, Luke had built his reputation on being the steady one. Reliable Luke Matson, who solved problems instead of creating them. Who approached network failures with methodical precision and never filed a report unless he could verify the data twice. The thought of writing up an incident involving a 1980s video game character made his stomach clench with professional dread.

Instead, he called up the terminal's event log, searching for any technical anomaly that might explain the impossible sight. His fingers flew across the keyboard with practiced efficiency, pulling up diagnostic histories, system traces, even the raw quantum state measurements. But everything appeared completely normal—just the same frustrating pattern of quantum decoherence events that had been systematically destroying the network for three weeks.

Then Terminal 12 chimed with its distinctive notification tone.

Luke's head jerked up instinctively. Across the humming expanse of the station, Tom Bradley stood frozen beside his display, his face bathed in blue light but wearing an expression of absolute bewilderment.

"Hey Luke," Tom called out, his voice carrying that carefully neutral tone people used when they suspected they were losing their minds. "You ever see the diagnostic interface do anything... unusual?"

Luke felt ice water flood his veins. "Asteroids? The old arcade game?"

"Yeah, exactly like—" Tom paused mid-sentence, his eyes narrowing. "Wait. How did you know what I was seeing?"

Before Luke could formulate an answer that wouldn't sound completely insane, Karen Madison emerged from the break room doorway. Her supervisor's hair was disheveled from her attempted nap, but her eyes were sharp and fully alert.

"Did someone just mention asteroids?" she asked, her voice carrying the edge it got during system emergencies. "Because Terminal 3 decided to start playing some kind of retro video game, and I'm pretty sure that's not in our diagnostic software."

The three technicians stared at each other across the cathedral-like expanse of the monitoring station. The steady hum of servers filled the silence as each person processed the impossible: they were all seeing things that shouldn't exist.

For exactly fifteen seconds, nobody dared to speak. Then, as if responding to some cosmic cue, every single terminal in the room chimed in perfect unison.

Luke's workstation erupted into a dazzling display of classic arcade graphics. Where diagnostic readouts should have been, he now watched formations of pixelated alien ships descending in precise geometric patterns. Occasionally, individual ships would break formation and dive toward the bottom of the screen, exactly like the Galaga game he'd pumped quarters into as a teenager.

But this wasn't just nostalgic eye candy. Even as part of his mind marveled at the impossible sight, his trained eye noticed something that made his pulse quicken: the alien ships weren't moving randomly. They were forming deliberate patterns—shapes that looked almost mathematical, almost intentional.

The ships moved with the fluid precision he remembered from countless after-school gaming sessions, but something was fundamentally different. This wasn't the predictable attack pattern of the original Galaga. As Luke watched in growing amazement, the alien formations began shifting into something far more sophisticated.

First, they arranged themselves into a perfect circle. Then reorganized into an equilateral triangle. Then morphed into increasingly complex geometric shapes that triggered a familiar itch in the back of his mind—the same recognition he felt when debugging particularly elegant code.

"Luke," Karen's voice carried a tremor he'd never heard before. "Tell me you're seeing mathematical symbols up there."

He was. The pixelated ships had formed themselves into actual equations, floating in digital space like cosmic graffiti. Luke's engineering background kicked in automatically, his brain parsing the familiar symbols even as his rational mind reeled at their impossible presence.

"Those are quantum field equations," he whispered, his voice barely audible over the humming servers. "Not just any equations—that's the theoretical framework for dimensional phase transitions. Graduate-level physics."

Tom had abandoned his European monitoring station entirely and was walking toward them, his face ghost-pale in the blue glow of the

displays. "Guys, I'm thinking we call Dr. Chen. Or maybe the FBI. Hell, maybe we should just call a priest and skip the middle man."

But Luke couldn't tear his eyes away from his screen. The Galaga formation was shifting again, the alien ships rearranging themselves with deliberate precision. This time, they formed recognizable letters:

**H-E-L-L-O**

The three technicians stood transfixed as the formation smoothly transitioned into a new message:

**W-E N-E-E-D T-O T-A-L-K**

Luke felt his breath catch in his throat. After fifteen years of troubleshooting network problems, he thought he'd seen every possible type of system failure. But networks didn't develop consciousness. Quantum computers didn't decide to chat.

Yet something was undeniably trying to communicate with them, using the language of childhood memories to bridge an impossible gap.

Luke watched in fascination as the alien ships reorganized one final time, forming unmistakable numbers that hung in digital space like a cosmic announcement:

**5-4-3-2-1**

Then every single terminal in the room went completely dark.

The silence that followed was profound—not just the absence of the electronic chimes and notification sounds, but something deeper. Even the constant electrical hum that had provided the soundtrack to Luke's career seemed muted, as if the entire facility was holding its breath.

Only the whisper of air conditioning and the distant drone of cooling fans reminded them they were still in the physical world.

Standing in the blue-tinged darkness, Luke Matson felt a fundamental shift in his understanding of reality. For fifteen years, he'd maintained the network that connected continents, thinking he was working at the cutting edge of human communication technology. Now he realized he'd been operating a primitive local system while something unimaginably vast had been watching, waiting, choosing the perfect moment to make contact.

And it had chosen to speak in the language of his childhood—the pixelated vocabulary of arcade games that had taught an entire generation about patterns, problem-solving, and persistence.

The real question was: what did this cosmic intelligence want to tell them?

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## Section 3: The Crystal Interface

### INCIDENT REPORT LOG - DENVER OPERATIONS

**DATE:** [REDACTED]

**TIME:** 03:17-04:45 GMT

**REPORTING TECHNICIAN:** Luke Matson

**CLASSIFICATION:** EYES ONLY

At approximately 03:17 GMT, Terminal 7 displayed anomalous visual data completely inconsistent with standard diagnostic protocols. Initial

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manifestation resembled classic arcade game "Pac-Man" operating within quantum monitoring interface.

Subsequent events affected multiple terminals simultaneously with appearances of "Asteroids" and "Galaga" pattern displays.

**Critical observation:** The Galaga display demonstrated systematic reorganization into coherent mathematical expressions and deliberate alphanumeric communication attempts. Ship formations clearly demonstrated intentional organization transcending any known system error parameters.

All affected terminals executed synchronized shutdown following apparent countdown sequence. Standard reboot procedures have failed to restore normal operation.

**Request priority review by Dr. Hammond's team at Caltech.**

**Personal addendum:** Whatever intelligence is interfacing with our network infrastructure possesses sophisticated understanding of human psychology and communication protocols. Entity demonstrates capacity for humor, pattern recognition, and deliberate attention-getting behavior.

**Preliminary assessment:** We are not dealing with a system malfunction. Something is actively trying to establish communication with humanity, and it has chosen our facility as the initial contact point.

## **END REPORT**

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Luke had always prided himself on being a rational man. At thirty-eight, he'd debugged enough systems to know that technology could produce seemingly impossible behaviors when software interacted in

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unexpected ways. Military radar could generate ghost signals, quantum computers could produce statistical anomalies, and tired technicians could occasionally hallucinate patterns in random data.

But what had just happened in the monitoring station violated every principle of computer science he'd learned in two decades of professional experience.

You simply couldn't inject Pac-Man into a quantum diagnostic system. The software architecture had no framework for arcade graphics. The protocols didn't include routines for classic video game displays. It would be like expecting his scientific calculator to spontaneously start composing symphonies—the fundamental structures just weren't there.

And yet he'd witnessed exactly that impossibility, along with two other trained professionals who could testify to the same experience.

While waiting for Dr. Hammond's team to arrive from Caltech, Luke spent the remaining hours of his shift methodically reviewing every aspect of the network infrastructure. He checked security logs, system permissions, software installations, even the physical hardware connections. Everything appeared exactly as it should be—which only made the night's events more inexplicable.

Karen and Tom had joined his investigation at dawn, bringing increasingly creative theories and desperately needed coffee. Every standard diagnostic protocol they attempted yielded identical results: systems nominal, no errors detected, hardware functioning perfectly. But the screens remained stubbornly dark, as if the computers had politely declined to resume their normal duties.

"It's like they're sleeping," Karen observed around sunrise, handing Luke his fourth cup of coffee in a mug that read "World's Most Adequate Network Admin"—a gag gift from Tom that had somehow

become his favorite. "All the background processes are running normally, but the displays have just... checked out."

Tom had been running continuous diagnostic scans from the unaffected terminals for hours. "Power consumption is normal, network traffic is normal, memory allocation is textbook perfect. It's like the display drivers just collectively decided to take a sabbatical."

Luke nodded along with their technical assessments, but privately he suspected the truth was far more unsettling than a software vacation. The systems weren't malfunctioning—they were waiting for something. Or someone.

The waiting ended at exactly 10:30 AM when Dr. Nancy Hammond arrived with a small team of specialists and enough federal security clearance to transform their humble Denver facility into a classified research site. Luke felt an unexpected mixture of relief and professional anxiety. Here was someone who might actually believe what they'd witnessed—a quantum physicist who dealt with impossible phenomena for a living. But her presence also confirmed that this situation had escalated far beyond a simple technical anomaly.

Dr. Hammond was younger than Luke had expected from her published research papers—probably early thirties—with the focused intensity of someone accustomed to confronting problems that existed outside conventional physics textbooks. She moved through their facility with the confident efficiency of someone used to classified briefings and impossible data, though Luke couldn't help noticing she was also remarkably attractive. He tried to push that observation aside as his sleep-deprived brain struggling to process too many surprises simultaneously.

She listened to Luke's detailed incident report without interruption, occasionally asking pointed questions about technical specifications or

precise timing, but never once suggesting he might have hallucinated the entire experience. When he finished describing the mathematical equations formed by alien spaceships and the polite countdown sequence, she simply nodded as if cosmic intelligences communicating through vintage arcade games was a perfectly reasonable Tuesday morning development.

"Luke, I hope you don't mind me using your first name," she said when he concluded his account. "What I'm about to share with you is classified at the highest levels of government. The quantum network failures you've been experiencing aren't random system degradation. They're part of a systematic modification to the fundamental structure of reality itself."

Luke felt the ground shift beneath his feet, though he was sitting down. "Come again?"

"What you witnessed last night—those arcade games, the mathematical displays, the communication attempts—they weren't glitches or hallucinations. They were genuine contact protocols." Dr. Hammond gestured toward the dark terminals with the reverence usually reserved for archaeological discoveries. "Something with unimaginable intelligence is rewriting the basic laws of physics, and it's been trying to establish communication with our species."

Luke's coffee cup trembled in his hands. "Communication from... what exactly?"

"That's the trillion-dollar question we're desperately trying to answer. Dr. Derek Devon and I have been tracking similar anomalies across multiple systems worldwide. Reality itself is being edited like software code, and whatever's doing it appears to have specifically chosen your facility as the testing ground for direct, real-time interaction with humanity."

The implications hit Luke like a freight train made of pure impossibility. He was no longer just a network technician dealing with system failures. He was potentially humanity's first point of contact with something that treated the laws of physics like suggestions.

One of Hammond's team members—a young woman whose tablet displayed equations that made Luke's head hurt just looking at them—cleared her throat professionally. "Dr. Hammond, we should attempt the crystalline interface protocol. If this phenomenon is connected to the quantum modifications Dr. Devon discovered, it might respond to direct contact."

Hammond nodded and carefully produced a small object from a heavily padded carrying case. Luke stared at it in complete fascination. The crystalline structure was no larger than a marble, but it seemed to bend light around itself in ways that violated his basic understanding of optics. Colors shifted across its surface like aurora caught in glass, and when he tried to focus on its exact shape, his eyes seemed to slide away as if his brain couldn't quite process what it was seeing.

"What exactly am I looking at?" Luke asked, mesmerized despite his exhaustion.

"We're not entirely certain," Hammond admitted, handling the crystal with obvious reverence. "Professor Finch developed it as part of his research into reality modifications. We know it responds to quantum field fluctuations, but its exact nature remains... elusive."

When Hammond carefully placed the crystal near Terminal 7, the effect was immediate and dramatic. The crystal began emitting a soft, rhythmic glow that seemed to pulse in sync with some cosmic heartbeat. More remarkably, Terminal 7's screen flickered back to life for the first time since the countdown sequence.

"Well," Luke said quietly, watching impossible colors dance across his monitor, "I think we're about to have that conversation."

The screen pulsed with growing intensity, and new words materialized in clean, simple font:

**THE NETWORK IS READY  
TIME TO CONNECT  
PREPARE FOR NEXT PHASE...**

Luke Matson, who had dedicated his career to maintaining humanity's most sophisticated communication infrastructure, suddenly realized he was about to help establish a connection that would make every previous breakthrough in human history—the telegraph, radio, internet, quantum networking—seem like children playing with tin cans and string.

And it had all started with a cheerful yellow circle chomping dots in the middle of the night.

The universe, it seemed, had a sense of humor about first contact.

Three hours after the crystal interface had awakened Terminal 7, Luke heard the distinctive whine of helicopter rotors approaching the Denver facility. Through the reinforced windows, he watched a sleek aircraft bearing government markings touch down in the facility's emergency landing zone—a concrete pad he'd never seen used in his fifteen years of employment.

"That would be Dr. Devon," Hammond announced, checking her secure phone. "He managed to catch a military transport from Chile after I described our breakthrough."

Luke felt a mixture of curiosity and apprehension. He'd been hearing about the mysterious Dr. Derek Devon for hours—the physicist who'd

first detected the cosmic modifications, who'd been tracking reality changes for months, who apparently had his own collection of impossible data from the ELTA facility in Chile's Atacama Desert. Now he was about to meet the man who'd started this entire chain of revelations.

The entrance doors opened with their usual electronic chime, but the man who entered looked nothing like Luke's mental image of a cutting-edge astrophysicist. Dr. Devon was younger than expected—maybe late thirties—with the slightly rumpled appearance of someone who'd been traveling for twelve hours straight. His clothes were wrinkled, his dark hair disheveled, and he carried a worn leather bag that looked like it had survived multiple international emergencies. But his eyes held an intensity that immediately commanded attention.

"Nancy," Derek called out, spotting Hammond across the monitoring station. Then his gaze swept across the room, taking in the transformed terminals, the additional equipment, and finally settling on Luke with obvious interest. "And you must be Luke Matson."

"That's me," Luke replied, standing to shake hands. "The guy who thought he was hallucinating video games."

Derek's grip was firm, his expression mixing exhaustion with barely contained excitement. "Mr. Matson, I've been dealing with cosmic modifications for eight months, but what you experienced here represents the first documented case of direct, real-time communication. What you witnessed may be the most important technological contact in human history."

Luke looked around at the bustling facility, then back at Derek. "Doctor, I have to ask—do you have any idea what we're actually dealing with here?"

Derek's laugh carried equal parts wonder and uncertainty. "Luke, I've been asking myself that question since I first detected impossible signals in ancient starlight. But after flying halfway around the world to see this facility, I'm starting to think the better question is: why is it dealing with us?"

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## Section 4: The Galactic Welcome

Over the following six hours, the Denver facility underwent a complete transformation. Dr. Hammond's team efficiently converted the monitoring station into a makeshift first-contact research center, wheeling in sophisticated equipment that Luke had only seen in science fiction movies. Cables snaked across the floor connecting quantum analyzers to spectral measurement devices, while multiple secure communication links maintained constant contact with Dr. Devon's team at the ELTA facility in Chile's Atacama Desert.

Additional specialists materialized throughout the morning—theoretical physicists who spoke in equations, quantum computing experts who treated impossibility as an engineering challenge, and computer scientists who'd been hastily briefed on humanity's first documented case of interstellar technical support. The Denver facility's usual skeleton crew had been replaced by what looked like the cast of a very expensive science thriller.

But despite all the advanced equipment and impressive credentials, Luke remained the primary interface with their mysterious communicator. The arcade game displays seemed specifically calibrated to his presence, responding to his approach with welcoming

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chimes and adapting their visual complexity based on his proximity to the terminals. When he stepped away, the screens would shift into elaborate mathematical frameworks that made the other scientists scribble notes excitedly. When he returned, everything simplified back to recognizable patterns.

"It's fascinating," observed Dr. Sarah Kim, one of Hammond's quantum theorists, watching Luke interact with Terminal 12's latest Galaga formation. "The communication protocols are dynamically adjusting to your technical background in real-time. When you're not directly engaging, the mathematical complexity increases exponentially—advanced field equations, multi-dimensional matrices. But the moment you begin actively interfacing, it reverts to more accessible visual metaphors."

Luke found this simultaneous flattering and mildly insulting. "So you're telling me it's dumbing everything down for the network guy?"

"Not dumbing down," Hammond interjected quickly, her tone carrying the authority of someone used to managing delicate scientific egos. "Optimizing for effective communication. This intelligence clearly understands that successful information transfer requires meeting your audience at their current level of comprehension. It's actually remarkably sophisticated diplomatic behavior."

The implications were staggering: they were dealing with something that understood not just physics and mathematics, but psychology and pedagogy.

As if responding to Hammond's observation about sophisticated communication, Terminal 12 chimed with its distinctive notification tone. Tom called out from his monitoring station across the room: "Luke, I think our friend wants to show you something new."

Luke started toward the terminal, but found himself momentarily distracted as Dr. Hammond moved gracefully between the various workstations, checking readings and coordinating with her team. There was something captivating about the way she carried herself—a fluid, athletic confidence that suggested someone who stayed in excellent physical condition despite spending her professional life buried in theoretical physics. Her movement had an unconscious elegance that spoke of hidden strength, the kind of natural poise that came from someone equally comfortable in a laboratory or on a hiking trail.

"Luke?" Tom's voice snapped him back to the present. "The display's waiting for you."

Feeling slightly embarrassed by his wandering attention, Luke refocused on Terminal 12. The Galaga interface had activated again, but this presentation was unlike anything they'd seen before. Instead of forming letters or mathematical equations, the alien ships had arranged themselves into an intricate three-dimensional formation that rotated slowly on the screen, creating a convincing illusion of depth despite the flat display technology.

Luke studied the complex pattern, his technical mind automatically analyzing the geometric relationships. Recognition dawned gradually, like pieces of a puzzle clicking into place.

"It's a map," he breathed, pointing at the central cluster of formations. "Look at these primary nodes—they correspond exactly to our quantum network infrastructure. The Earth-based ones, anyway." He traced the pattern with his finger. "Denver, Caltech, CERN, Tokyo, Sydney... it's showing us our own network topology."

Dr. Hammond approached to examine the display, and Luke caught a subtle hint of her perfume—something clean and professional that

somehow managed to be distracting even in the middle of first contact with an alien intelligence.

"But look at these outer formations," she observed, indicating the vast array of connections extending beyond Earth's network. "If this is accurate, our quantum infrastructure isn't isolated. It's already part of something much, much larger."

The implications hit Luke like a revelation: humanity's most advanced communication system had been designed as a local terminal in a galactic network they never knew existed.

"We're not building first contact," Luke whispered in amazement.  
"We're going online."

At exactly 3:17 AM—twenty-four hours to the minute after Pac-Man's first appearance—every quantum terminal in the Denver facility activated simultaneously with a harmonious chord that sounded almost musical. Luke, who had been attempting to catch a few desperately needed hours of sleep on a borrowed cot in the break room, was jolted awake by what sounded like an electronic symphony.

Stumbling into the main monitoring station while still pulling on his wrinkled shirt, Luke found the facility completely transformed. Where yesterday there had been familiar diagnostic readouts and charming arcade game interfaces, now the screens displayed something that took his breath away entirely. Real-time data flowed across the monitors in patterns more beautiful than any screensaver, showing network nodes that pulsed like living stars. Each point of light, he realized with growing wonder, represented entire worlds and civilizations that Earth had just joined.

Dr. Hammond and Dr. Devon stood before the central display like awed children at a planetarium, their faces illuminated by cascading patterns of light that seemed to breathe with cosmic intelligence. Both scientists

were clearly running on caffeine and excitement, their usually professional composure replaced by naked amazement.

"Luke!" Dr. Devon called out, noticing him enter. "You absolutely need to see this. Right now."

"What happened while I was unconscious?" Luke approached the main screen, immediately recognizing the familiar outline of Earth's continents positioned at the center of an impossibly vast web of connections. Lines of light stretched out in all directions like cosmic neural networks, linking their small blue world to points of brilliance scattered across what could only be a real-time map of the entire galaxy.

"The integration protocol completed successfully while you were sleeping," Dr. Hammond explained, her voice carrying a tremor of excitement she couldn't quite suppress. "Earth is now officially an active node in the galactic communication network." She pointed to a small indicator pulsing beside Earth's position. "And Luke, according to the system logs, you've been formally designated as our species' primary network administrator."

Luke stared at Dr. Hammond's genuinely relaxed smile, then at the transformed displays cascading with impossible data around them. "What do you mean, 'IT job'? What exactly am I supposed to be doing here?"

"Luke," Hammond said, gesturing toward the central display where Earth's position pulsed at the center of the galactic network, "according to the integration logs, you've been designated as humanity's primary network administrator. The system specifically requested you."

"But I'm just a network technician," Luke protested, feeling suddenly overwhelmed by the cosmic scope of what she was suggesting. "I fix routers and debug connection problems. I've never even left Colorado."

A new voice responded—not emerging from the terminals this time, but somehow materializing from the air around them like invisible speakers had activated throughout the facility. The voice was warm, distinctly amused, and unmistakably non-human: "Just a technician who diagnosed the first systematic failure in humanity's quantum infrastructure. Who listened when others might have panicked. Who trusted when others might have fled in terror."

Luke spun around, scanning the room as if he could locate the source of the disembodied voice. "You can speak directly now? No more Pac-Man charades?"

"The network integration includes significantly enhanced communication protocols," the entity confirmed with obvious satisfaction. "Though we must confess, we thoroughly enjoyed the arcade games. Your species has a truly delightful approach to pattern recognition through recreational play. Most civilizations require formal mathematical frameworks for first contact. You turned it into entertainment."

Dr. Devon stepped forward eagerly, his exhaustion temporarily forgotten. "Architect—if that's what you prefer to be called—we have thousands of questions. About the modifications you've made to physical constants, about your ultimate purpose, about what Earth's role will be in this network."

"Now comes the fascinating part," the Architect replied, its tone carrying the enthusiasm of a professor introducing a favorite subject. "You learn exponentially. You contribute uniquely. You grow beyond your current limitations. The galactic network exists primarily to facilitate knowledge sharing across species and civilizations, but Earth brings perspectives that will benefit all existing members."

On the main display, streams of new information began cascading in organized patterns—scientific principles that hadn't been discovered by human research, technologies that hadn't been imagined by human engineering, elegant solutions to problems humanity was only beginning to recognize as solvable.

"It's like having access to the galaxy's greatest university library," Luke said with wonder, "combined with the ultimate research laboratory."

The Architect's amusement was clearly audible. "A remarkably apt description, Luke Matson."

As Luke watched the luminous data streams flowing between Earth's small blue dot and countless points of light representing entire civilizations, the magnitude of his career transformation hit him like a revelation. He was no longer maintaining communication links between Denver and Los Angeles, or even between continents. He was helping to maintain the connections between civilizations that had been conversing across the galaxy for millions of years.

And somehow, despite the mind-boggling cosmic scale of it all, the work still felt fundamentally familiar. It was still about fixing things, diagnosing problems, keeping networks running smoothly. Just with considerably better graphics and infinitely more interesting error messages than anything he'd encountered in terrestrial IT.

The universe, it turned out, had developed the ultimate tech support infrastructure. And Luke Matson—former network technician from Denver, Colorado—was now officially part of the maintenance team.

The irony wasn't lost on him that his biggest professional breakthrough had started with what he'd assumed was a hallucination brought on by too much caffeine and too little sleep.

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## SECTION 5: THREE DAYS LATER

Luke had assumed that adapting to alien contact would be the most challenging aspect of his new position. He was completely wrong. The hardest part was explaining to his mother why he couldn't attend Sunday dinner because he was "helping recalibrate the galactic internet infrastructure."

"Lukas Gregory Matson," she'd said in that tone that had struck fear into his heart since elementary school, "I don't care if you're talking to little green men from Mars. Family dinner is at six o'clock sharp, and you'd better not be late because of some ridiculous computer game."

He hadn't bothered correcting her about the "little green men from Mars" assumption. How do you explain to your mother that your new supervisor is a collective intelligence that spans multiple dimensions and prefers to communicate through nostalgic arcade game references? How do you describe working for an entity that treats the fundamental laws of physics like software code that can be debugged and upgraded?

Some conversations, Luke had learned, were more challenging than intergalactic first contact.

But standing in the Denver facility at 11:47 PM, watching data flow between worlds in patterns more beautiful than any screensaver ever conceived, Luke was beginning to understand why the Architect had chosen arcade games as its initial communication protocol.

The galactic network operated on principles that were simultaneously more complex and more intuitive than anything humans had

developed. But perhaps that was the point—communication through play, through shared experiences that transcended species barriers.

Luke found himself thinking about the past three days, about how dramatically his life had changed since that first glimpse of Pac-Man. The Denver facility had become a hub of constant activity, with specialists rotating through in shifts, monitoring galactic data streams, documenting humanity's integration process. Dr. Hammond had returned to Caltech yesterday to coordinate with other research sites, and Luke was surprised by how much he missed her presence.

There had been something about her combination of brilliant scientific mind and understated confidence that he found genuinely compelling. The way she'd handled the impossible with such professional grace, the way she'd treated him as an equal partner rather than just a technician who'd stumbled into something beyond his understanding. He wondered if she ever thought about their collaboration in anything more than purely professional terms, then immediately felt ridiculous for wondering such things while managing humanity's first cosmic network connection.

"Luke, you need to see this," called Dr. Sarah Kim, interrupting his wandering thoughts. She'd become the facility's resident expert on what they now called "cross-species interface protocols" and was standing before Terminal 15, which displayed a swirling pattern of lights that somehow reminded Luke of a lava lamp crossed with a mandala.

"Another message?" Luke asked, approaching with his coffee cup—his eighth of the day. Sleep had become negotiable since integration. The network never stopped, and there was always something new to learn, something exciting to discover.

"Not a message," Sarah said, her voice carrying barely contained excitement. "An invitation. Look."

The display shifted dramatically, showing what appeared to be a three-dimensional space filled with various beings. Some looked vaguely humanoid, others were geometric shapes that moved with obvious purpose and intelligence, and a few defied description entirely. They seemed to be gathered in some kind of meeting space—a cosmic conference room spanning dimensions.

"Is that...?" Luke began, his personal thoughts about Dr. Hammond instantly forgotten as he stared at what could only be described as the galaxy's most exclusive Zoom call.

"A galactic assembly," Sarah confirmed, her scientific excitement overriding any attempt at professional calm. "And Luke, I think they're waiting for you."

"A galactic council meeting," explained a voice that seemed to emanate from a shifting geometric pattern Luke couldn't quite focus on. "We thought it was time you met some of your new colleagues in the network administration department."

Luke stared at the assembled beings with growing wonder and a healthy dose of professional anxiety. "Colleagues? How many civilizations are actually part of this network?"

"Currently active participants number approximately forty-seven thousand civilizations," another voice replied—this one sounding like wind chimes harmonizing with distant thunder. "Though the network infrastructure itself spans nearly two hundred thousand star systems. Not all civilizations choose active participation in day-to-day operations."

"Forty-seven thousand civilizations?" Luke's voice cracked slightly, his coffee cup trembling in his hands. "And they all want to meet the new guy from Denver?"

A sound that could only be described as universal laughter rippled through the assembly—warm, welcoming, and somehow conveying genuine amusement without any trace of mockery. It was like being welcomed into the galaxy's most exclusive technical support team.

"Not all at once, naturally," the first voice assured him with obvious understanding. "We fully appreciate human cognitive processing limitations. We thought we'd start with a manageable representative sample. Perhaps two or three hundred species for the initial orientation session."

Luke nearly choked on his coffee. "Two or three hundred? That's your idea of manageable?"

More laughter echoed through the cosmic conference space, this time with distinctly musical overtones that suggested at least some of the assembled beings found human reactions absolutely delightful. Luke was beginning to understand why the Architect had been so entertained by their species.

"Luke Matson of Earth," said a new voice that somehow conveyed ancient wisdom despite being filtered through translation protocols that turned cosmic thoughts into comprehensible English, "we have been observing your species with considerable interest for some time. Your approach to complex problem-solving is... refreshingly unique among network civilizations."

"Unique how?" Luke asked, though he suspected he might not want to know the answer.

"Most species approach system integration with formal protocols, mathematical frameworks, and elaborate ceremonial procedures," the ancient voice explained with obvious fondness. "Your species turned first contact into a recreational arcade experience and somehow made it work better than our traditional methods."

Luke couldn't help but smile. "So you're saying we accidentally revolutionized galactic communication through video games?"

The universal laughter that followed suggested that was exactly what they were saying.

Luke almost laughed at the surreal nature of his situation. "So you're essentially offering me a job as technical support for the entire galaxy?"

"The position carries enormous responsibility," replied the geometric being that had introduced itself as Edge-Walker-Between-Dimensions, its tone becoming notably more serious. "But also unprecedented rewards. You would gain access to technologies and accumulated knowledge that transcend current human understanding by millennia. You would travel between star systems, collaborate directly with species whose very existence will fundamentally transform your conception of what life can become."

Luke felt his pulse quicken. "Travel between star systems? Are you talking about making me an astronaut? Because I have to tell you, I never even made it through flight school."

The universal laughter that followed was warm and understanding.

"Not physical travel, Luke Matson," Edge-Walker explained patiently. "Your consciousness would be temporarily transferred and housed in appropriate synthetic receptacles designed for each environment. You would experience complete sensory integration and full operational capability in any planetary system, regardless of atmospheric composition, gravity, or environmental hazards. Your physical body remains safely on Earth."

Luke stared at the assembly in amazement. "You're talking about consciousness transfer? Like, my mind would travel while my body stays here?"

"Precisely. The synthetic forms are indistinguishable from natural biological experience, but optimized for the specific conditions of each world. Think of it as the ultimate remote access technology."

Luke thought about his previous life in Denver: fixing routine network problems, pulling endless double shifts, troubleshooting the same predictable failures. Then he thought about the wonder in Dr. Hammond's eyes during their breakthrough, Dr. Devon's excitement when patterns made sense.

"This might sound strange," Luke said finally, "but would I still be able to visit my mom for Sunday dinner? Because if I miss too many, she'll never forgive me, cosmic responsibility or not."

More warm laughter rippled through the assembly.

"The position is primarily Earth-based," the Architect assured him. "Though consciousness transfer assignments will be required. Think of them as... extended remote field service calls."

Luke grinned. "When you put it that way... yes. Absolutely yes."

As the galactic assembly began to dissolve around him, Luke felt himself gently returning to the familiar environment of the Denver facility. But something fundamental had changed during his consciousness interface with the network. When he looked at the terminals now, he could perceive deeper layers of information flowing beneath the surface displays, understand network connections and data pathways that had been completely invisible just minutes before.

Dr. Hammond was standing nearby, watching him with obvious concern. "Luke? You've been standing there for twenty minutes, completely unresponsive. We were starting to worry about neural feedback or interface overload."

"Sorry about that," Luke said, shaking his head to clear the lingering sensation of cosmic consciousness. "I was in a meeting. With the galactic IT department, you could say." He looked around the room with entirely new appreciation, seeing the facility not just as a monitoring station but as humanity's first node in an incomprehensibly vast communication network. "And I just got promoted to network administrator for Earth."

As if responding directly to his words, every terminal in the facility chimed simultaneously with perfect harmonic synchronization. New interfaces materialized on the screens—more sophisticated and elegant than anything they'd encountered before, yet somehow intuitively comprehensible. Luke approached the nearest terminal and discovered he instinctively understood how to navigate the alien interface systems, his fingers moving across controls that seemed to reshape themselves responsively under his touch.

"What's happening to the systems?" Tom called out from across the room, his voice carrying a mixture of excitement and apprehension.

Luke smiled, feeling more confident and capable than he had since this entire adventure began. "We're getting a major upgrade, Tom. All of us. Earth isn't just joining the galactic communication network—we're officially becoming part of its technical support infrastructure."

On the screens surrounding them, data began flowing in patterns more beautiful and complex than any screensaver ever conceived, representing real-time connections between distant worlds, ongoing conversations between species separated by thousands of light-years, and collaborative problem-solving efforts involving minds working together across the entire cosmos.

And at the center of it all, displayed prominently on Luke's personal terminal in simple, welcoming text, appeared a message that made him grin with satisfaction:

**WELCOME TO THE NETWORK, LUKE MATSON  
ORIENTATION BEGINS TOMORROW  
PLEASE BRING COFFEE**

Even cosmic intelligences, it seemed, understood the importance of proper caffeine support for technical operations.

The following morning, Luke arrived at the facility to find an official-looking document had been printed overnight on the main terminal. The header read "GALACTIC NETWORK - HUMAN RESOURCES DIVISION" in elegant typography that somehow managed to look both alien and professional:

**TO THE EARTH INTEGRATION TEAM**

**NO PREVIOUS GALACTIC EXPERIENCE NECESSARY**

**COMPREHENSIVE TRAINING PROVIDED**

**BENEFITS INCLUDE: CONSCIOUSNESS EXPANSION,  
UNIVERSAL TRANSLATION, ACCESS TO THE  
COMPLETE WORKS OF 10,000 CIVILIZATIONS**

**REPORT TO STATION 7-ALPHA-QUANTUM FOR  
ORIENTATION**

**ORIENTATION REFRESHMENTS WILL BE PROVIDED**

Luke Matson, former network technician and current galactic IT specialist, couldn't stop grinning as he read the cosmic job posting.

"Well," said a familiar voice behind him, "I see you've officially joined the most exclusive tech support team in the galaxy."

Luke turned to find Dr. Nancy Hammond approaching with two cups of coffee and that warm smile he'd been thinking about more than he probably should. She'd returned from Caltech specifically for the integration ceremony, and Luke felt genuinely pleased to see her again.

"Dr. Hammond," he said, accepting the coffee gratefully. "I was wondering if you'd be here for the orientation."

"Nancy, please. And I wouldn't miss humanity's official welcome to the cosmic community." She gestured toward the screens displaying the galactic network. "Besides, someone needs to document this historic moment. And I have to admit, I'm curious to see how you'll handle being the most important IT professional in human history."

Luke felt his pulse quicken slightly at her proximity and the way she looked at him—not just as a colleague, but as someone she genuinely respected and maybe even found interesting beyond the professional context.

"Nancy," he said, surprising himself with his boldness, "when this orientation is over and we've officially joined the galactic community, would you maybe like to celebrate with dinner? Somewhere that doesn't involve cosmic consciousness or quantum field generators?"

Her smile broadened, and Luke caught a hint of something that looked distinctly like personal interest. "Luke Matson, I would like that very much", as that amazing dimpled smile produced an equally broad smile on Luke.

Some things, apparently, were universal across all species and dimensions. Even cosmic intelligences understood that the best adventures were better when shared with someone special.

The universe had just gotten a whole lot more interesting.

And somewhere in the quantum foam between realities, Pac-Man was probably grinning too.

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### ***End of Book 3 - "Quantum Ghosts"***

*You have completed a 30-minute cosmic experience*

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### ***Wondering what is next ? How about Book 4!***

*When structural engineer Rod Alpaugh's golf ball defies physics for the 47th consecutive time, he thinks he's losing his mind—until his best friends reveal they're experiencing equally impossible phenomena involving involuntary rap lyrics and mysteriously functioning unplugged radios. What begins as a weekend golf game in suburban Colorado quickly escalates into humanity's first documented case of cosmic contact through expertly curated 1980s music videos and strategic physics violations. As interdimensional entities with an inexplicable mastery of MTV culture recruit the trio for galactic diplomacy based on their unshakeable friendship, they must navigate mysterious government organizations, quantum consciousness researchers, and the growing realization that their bond might be the key to humanity's integration into a cosmic network—all while Rod discovers that some constants are worth waiting for, whether they govern gravitational forces or matters of the heart.*

*Hope you will continue the series.....*

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*Cheers,  
Derek  
12757982?*

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