AXIAL AXIOMS BY JAMES ALAN GARDNER pdf

1: ReVisions by Julie E. Czerneda

Fifteen original tales of "what if" Some of today's top science fiction writers explore the futures that might have been, including original stories from Julie E. Czerneda and other great names in the genre.

The Union was roughly two thousand years oldâ€”still young by the standards of galactic federations, but no longer a carefree adolescent. On a low level, each cell leads its individual life; but on a high level, an aggregate identity emerges, and the cells are minuscule parts of an overall system. The Union was the same: But after such bouts of wretched excess came hangovers lasting for decades. Eventually, the Union was forced to admit that the wild reckless life had lost its charm. An entity who was smart and fun to be with. An entity whose component orgs were carbon-based. What the Union was looking for was an entity with its own natural resources, and ideally, a sharp new space fleet. And of course, an entity whose citizens were hot for interbreeding. Didge shared the same star systems and energy sources as the Union. They split the housekeeping between them: Still, Didge was close at hand, and the Union was accustomed to consulting with her on everything from financial calculations to gene-engineering experiments. When the Union had a problem, talking to Didge just came naturally. Like the individual atoms of a gas, people bounced and jostled against each other in chaotic disarray. But if you totaled up the haphazard motion, a cumulative order emerged: Keep adding day by day, year by year, and you discovered a prevailing wind, constructed from seemingly erratic breezes. Diverse voices offered answers to the questionâ€”politicians and priests, artists and oratorsâ€”but they only added wind to the gathering storm. While many individuals were perfectly content, the Union as a whole bridled restlessly. The Union was surprised that Didge had included such a civilization. Plenty of room for intellectual and physical diversity. Then the whole damned civilization will want to move in with us. No grasp of the concept of acceptable losses. Then he met Mom: They came together like matter and antimatter: I was born from their ashes, and my founding species swore never to let machines mess with their brains again. For its part, the Union made an effort to spruce itself up: Anyway, by the time Didge had finished designing scout-ships that could reach the Bloc, the Union felt pretty good about itself; it could bring guests home and have nothing to be ashamed of. Soon enough, they reached the subject of mutually beneficial trade; that broke the ice, and both relaxed as they discussed how they could profit from one another. They quickly determined several areas of technology where their interests dovetailed. In fact, by combining their expertise, they could produce a new generation of spacecraft that would make it much easier for the two federations to see each other. Both took that as a good sign. What kind of stuff do your people make? The Bloc looked confused. Instead, I got a lecture about non-essential frivolities. Meanwhile, the Bloc began a century of trying to comprehend what the Union had been talking about. They occupy several nebulas around the galaxy, but not the areas in between. The Commune only inhabits regions with heightened visual appeal. Also many types of narrative entertainment, tactile and olfactory media, pyrofantasias. If they leave someone alone, I want to know why. Sometimes you can learn from a failed relationship. First contact took place in a small nebula naturally , on a hot rocky planet orbiting a blue-white star. How many other federations has she brought here? They belonged to a dozen species, but all were dressed in diaphanous robes of vivid colors. Its delegation wore business suits. For instance, what are your laws on intellectual property? Grown-up children called their parents without being asked. Teens sat alone in their rooms and obsessed over wiring diagrams. Individual lives went through happiness, sorrow, triumph, tragedy, but as a wholeâ€”as a wholeâ€”the Union felt like it was strangling. Didge did her best to keep the Union from moping, inventing games and new consumer goods that everyone had to buy two of. But in time, the Union [which is to say, its trendsetters, then its masses, and lastly its leaders] came to realize it still needed companionship. Of course I want someone better than I deserve. The Union wondered what she was thinking. No claims to being a utopia, but generally benevolentâ€”even to the poor, as long as they know their place. You can do better. The Union looked at her blankly. But if that was what the Union really wanted. Didge gritted her metaphoric teeth and made the call. My designs give it more speed and range than anything the Abundance has ever seen. Their technology is really quite primitiveâ€”they should spend more on research and less on getting shiny. I have real work to

doâ€”your work. Design some better-looking containers for your processors. Sullenly, Didge watched as the welcoming ceremonies wound to a flashy conclusion, the choreography clearly calculated to impress biological minds. Tinting the sun mauve. Didge wanted to imagine it was all a sinister ploy: Didge thought, She likes dressing up. Her silicon soul contained a tiny chip of envy for any entity that was comfortable with itself. It went as well as Didge had feared: When the Union feigned a casual manner and spoke of feeling under-energized, the Abundance said she felt the same. Simple, but so in touch. Overall, though, I just long for something to happen. Something that would turn my life around. The meetings continued, being broadcast to both federations. People watched the proceedings whenever they could, each one hoping this would be it. At the start, the Union imposed a delay of five minutes on the broadcastâ€”no repeating the Commune fiascoâ€”but after a while, without any official decision, the delay gradually shortened to nothing. New arts, new technologies, new ways of seeing the universe. Nothing challenging or disruptive. The idea of integrating arose so naturally that no one could say who first proposed it. Early on, the possibility was treated as a playful fantasy: Over time, however, the pie-in-the-sky dreaming became concreteâ€”turning from airy chatter into more tangible logistics. The leaders of the Abundance and its Zeitgeist as a whole firmly believed that the help should never get ideas. Didge and I just hang out. We talk, play games. Every citizen had relied on the Auxilosphere since birth. Even supposing the computers could be safely lobotomized, doing so would be. Computing was so ubiquitous, it was mostly unseenâ€”practically everything had invisible digital connections, from clothing to stairways to lawnsâ€”but there were still box-style computers for heavy-duty processing. They had run quietly for centuries, far past the need for noisy components; but their silence had somehow intensified, so that the matte black boxes seemed like brooding shadow-things that stifled surrounding sounds. People tiptoed when near them. Still, the Auxilosphere did its job: At the top, committees held hearings. The practicalities of merging with the Abundance. The feasibility of dumbing down the Auxilosphere. Go back to being restless and lonely? The individual was now in a state of deranged euphoria, apparently subsumed by the machine gestalt. Health authorities were attempting to determine how to sever the connection without killing the patient. In another place and time, this would have been an isolated incident. After the broadcast, dozens more people hooked up with the Auxilosphere. This made the news on every planet in the Union. Hundreds, thousands, millions of others? In fact, the very next day, a committee investigating the shutdown of the Auxilosphere published its conclusions:

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2: Bibliography â€“ James Alan Gardner

ReVisions by Julie E Czerneda and Isaac Szpindel - book cover, description, publication history. "Axial Axioms" by James Alan Gardner. "The Terminal Solution" by.

Monday, 7 August CanCon These posts are recaps, with very little colour commentary on my part. Some are near word-for-word recaps, others are a summary. Hard SciFi can come from all branches of science - math, combined with others like philosophy. Talked to a person whose daughter, one of her first words was fractal. Otherwise not given it much thought. Written many short stories, novels. Eric had reminded him of another story he did on baseball statistics. Written Hard SciFi based mostly on physics and biology. Where do you see energy budgets and that sort of thing, could do something like that. SciFi fantasy and horror. Kindergarten conversation of math, everyone think of a big number, and her son said those others are small, how about infinity. Math can be really well done in SciFi. How much of a distinction is there between science and math when writing or reading? He went back to do some courses in geology, and the difference is night and day. Internally inconsistent, and tries to commit suicide, knows that the rest of her life is going to be a lie, how does she live with that. How does it get the character in trouble and what do they do about it. And a whole branch of mathematics, pure mathematics, is theoretical. Like the four-colour math problem. How to put math into a story? And that kind of math is very different form a science math. What if I change this just a little bit, what if you came up with there was a proof. Take the story from there. Or quantum dimensions, slicing through the fourth colour. And math affects all of our day to day lives. Ordering a book or online banking, lots of cryptic proofs that is built on an unprovable assumption. Easy to find the large prime numbers. And of course we still use it. Science has advanced, including string theory. What might we exploit with higher dimensions? Maybe we can ask one of our mathematicians what we mean by higher dimensions. What does it actually mean, yeah. From a physics point of view, 10 dimensional space is n-theory, a version - not string theory - that ties things together. What does this mean? The first 4 dimensions are simple, we describe this. Longitude, latitude, altitude, and last is time. Four numbers to describe that point. Is there a fifth thing going on? The time travellers in the back, they need that to remember. A different way of describing things. A 5th dimension based on a time traveller, but why only one? A physical fourth dimension. Everyone understands difference between 2D and 3D. So try then to think of the 4th dimension by reversing your steps. Then grab a box, a cube, a thick book, imagine taking it and sticking it through this 2D table surface. Makes several points where this book intersects with the flat top. This is 4th and 3rd dimension. People could be at different points in this cube book, so different points when they interact with the 2D object. That notion is how 3rd and 4th dimensions mix, all the ways they interact with a flat surface. Not move on the table but through the cube. Math, this is simple, does it have a positive or negative sign, done. One thing in "Flatland", no matter what you do to a right handed mitten, it will always be, but if you can twist in another dimension, you can get left handed. That would be an interesting way to make antimatter, if you can move it through a fourth dimension. Does this make lots of sense, no. But is it good handwavium, absolutely. How do you rotate through a 4th dimension? Derek has used double-talk to make antimatter. So he can flash and be a werewolf. Secret agent for some. Eventually they get into a non euclidean geometry world, in a different dimension, they can take shortcuts like how Suzanne talked about. Anything else to add? As kind of a follow up, fractals captured imagination in 80s and 90s. A one dimensional line not filling a 2 dimensional surface, being between 1 and 2 dimensional surfaces. All right, if you take a large scale map of Britain - because this is what they did - and you trace around the boundary of the island of great Britain, whatever the technical thing is, the distance around it is about 3, miles. Then if you take a smaller scale map, patched together, that distance is 4, If you take an even smaller scale, the boundary gets even larger, even smaller inlets and points. Lots of handwavium here, depends on the tide, but that can actually get up to 7, ish miles. Some measurement from Royal Navy. The little irregularities all add up. Every time we measure the boundary, this house gets larger. She explains the Hilbert Hotel premise, new guest arrives. What we call a space filling curve. Moving 1 metre per second, there will be an infinite distance along a fractal dimension. An impassable barrier or something, a forcefield.

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Because as a human, how do I travel along infinitesimal distance. The math versus science argument. In science, everything has a physical requirement. Fractals can only be done on a continuous line. Should our panel explain briefly the difference between quantized and continuous? Jumping from atom to atom, or electron to electron. There may not even be spaces, space may be quantized, think of bubble wrap. But I like the egg carton analogy too. The math analogy of biological evolution, in play in orbital dynamics, with more than two people in a system. Butterfly effect, yielding weird order. Can Chaos be a jumping off point? A piece of paper, a random dot somewhere, another, a third dot between those two. Then other dot between, a 4th dot, and midpoint between that and the prior midpoint. What do you get? Logically, random dots, but on a screen it came out to a fractal pattern of triangles. The whole ratio of Felt like this would be the proof, something ingrained in a fundamental constant of the universe. Asimov was so annoyed by that. Oh, model, simulation, know of it. It really is just a game of cellular automata. Assume a grid like a checkerboard but as big as you want to make it, tokens and rules. He sets it up. All kind of things that you can use that system for. Can make a computer out of that system, can model a gun that shoots blobs like bullets. Contentions that some cellular automata model is the basis for the universe.

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3: ReVisions () READ ONLINE FREE book by Mike Resnick in EPUB,TXT.

James Alan Gardner (ur stycznia w Simcoe) - kanadyjski pisarz, twÃ³rca literatury science fiction.. UkoÅ„czyÅ, studia licencjackie i magisterskie z zakresu matematyki na University of Waterloo.

Posted in Economics , Science The Buddhists in Love article that I linked to yesterday has got me thinking about models. So allow me to pontificate a bit. During my first term at university, I came to the realization that science is about creating models. This idea struck me during Economics The professor had written a book in which he tried to distill the low-level principles of microeconomics into very simple definitions and axioms about preference: Ultimately, he hoped to derive all of microeconomics from these elementary propositions, just as Russell and Whitehead derived arithmetic and set theory from symbolic logic. If he had, he would have become famous, at least in Economics circles. And frankly most of the class was baffled. What did these weird little formulas about transitivity of preference have to do with running a business or managing inflation? I was baffled myself, until I realized that he was trying to make an abstract model of thought processes that we usually take for granted. He wanted to state explicitly the principles underlying how a person makes choices. He invented a symbolic notation for preference, indifference, etc. This kind of process happens all the time in pure mathematics, dating back to Euclid or before. In other words, you use math as a model for real world things. Typically, you start with very simple models for example, ones that ignore factors like friction and air resistance , then you make the models more sophisticated so that they can deal with more complex phenomena. Biology, for example, often makes use of the kind of models you see in the Wikipedia entry for Mallard Ducks. Such a description constitutes a model: Other sciences use other types of models. Social sciences often use statistics and graphs. Some sciences use case studies; for example, an observer goes to live with a group of people for a while, then writes down a description of what their lives are like. This description is another type of model: My point is that collecting specific data may be part of scientific activity, but what science actually aims toward is production of a model, a summary, an abstraction: Often this is a good thing. We all know what good things science has given us.

4: ReVisions - Wikipedia

James Alan Gardner Writer, editor, etc. Bibliography. A (relatively) complete list of my short stories, novelettes and novellas: "Axial Axioms", science.

5: Julie Czerneda | Revolvy

Contributor Internet Archive. Axial axioms / by James Alan Gardner -- The terminal solution / by Robin Wayne Bailey -- The Ashbazu effect / by John G. McDaid.

6: All Those Explosions Were Someone Else's Fault: A Novel by James Alan Gardner ()

ReVisions () About book: Fifteen original tales of "what if" Some of today's top science fiction writers explore the futures that might have been, including original stories from Julie E. Czerneda and other great names in the www.enganchecubano.comts:The resonance of light / by Geoffrey Landis --Out of China / by Julie E. Czerneda --Site Fourteen / by Laura Anne Gilman --Silent Leonardo / by Kage.

7: ReVisions : Wikis (The Full Wiki)

ReVisions is a anthology of alternate history www.enganchecubano.com is edited by Julie E. Czerneda and Isaac Szpindel.. Contents.

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8: Index: Stories, Listed by Title

Summary Bibliography: James Alan Gardner You are not logged in. If you create a free account and sign in, you will be able to customize what is displayed.

9: James Alan Gardner â€“ Wikipedia, wolna encyklopedia

I absolutely loved Axial Axioms by James Allen Gardner. It is Ted Chiang level imo and is something really special. Overall this is a good anthology but it's treasures like this that make or break alternative histories for me.

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