

see the many faces of **Janet Kuypers** with new "Periodic Table of Poetry" poems in the llive show

Science vs. Mysticism

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37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54
Rb	Sr	Y	Zr	Nb	Mo	R	Ru	Rh	Pd	Ag	Cd	In	5n	5b	To		Xe
55	56		72	73	74	75	76	77	78	79	80	81	82	83	84	85	86
Cs	0a		Hf	To	W	Re	Os	Ir	Pt	Au	Hg	11	Pb	0i	Po	At	Rn
87	88		104	105	106	107	108	109	110	111	112	113	114	115	116	117	118
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Golden lights, displaying your name

When I saw you, I was so attracted to you. Your Golden hair reflected the sunlight the day we met, and ever since our first encounter, I desperately needed you with me.

You bought me gold jewelry, and to this day I wear your Gold chain around my neck, your Gold ring around my finger.

You were go soft, and I would do whatever you wanted, but as time wore on, I saw you would bend to me as well — you seemed so malleable when it came to you and me. I loved how my Golden boy would follow any choice I made when we were together.

Golden lights, displaying your name, Golden lights, it's a terrible shame

You were like the glow of sunrise, and when we were together, you were coursing through my veins. You were so valuable to me. You were so precious to me. I would have even consumed you, if you gave me the chance.

Golden slumber steals your eyes

But you never gave me that chance, and it was like the world was heartbroken as so many came to your coffin to see your Golden hair one final time.

They called me a Gold digger because before before your cremation doctors had your Gold fillings removed.

I kept your Gold wedding ring, too, that must also make me a Gold digger.

In my mind,
you were perfection for me,
you were the summit
of everything that mattered to me.
When I think of how pure you were,
to this day,
nothing tarnishes my love for you.
That is why, on some early mornings,
I step outside
and feel the glow of the morning sunrise,
to remind me
of our neverending love.

Nitrogen in my veins

(#007, N, stemming from "Fingers Black", written 6/5/10)

You told me nothing. You just left me.

Now wait a minute, I'm a journalist, so all I could do was turn my fingers black, scouring the newspapers, searching for any news about what happened with us.

The ink from that paper crept around my fingernails, trying to work it's way under my skin. I could feel that darkened soybean oil, that petroleum oil, creeping it's way into me. I could feel that Nitrogen from that petroleum oil piggy-backing on that hydrogen, carbon, oxygen. I could feel that Nitrogen butting that sulfur out of the way, pushing it's way past the only trace amounts of nickel and iron. (Those trace elements couldn't stand a chance against the power of that Nitrogen, that power to spill the news out to the world.)

I ran my hands through those newspaper pages. I felt that ink seep under my skin, and I felt the surge of that Nitrogen in my veins.

I know they use liquid Nitrogen to fuel cars, to make them go at stellar speeds...
And I know people take Nitrogen to give their bodies added strength, so, journalist or not, maybe this is exactly what I need.

I'll scour those pages, I'll let that Nitrogen seep into my veins, as I look for any way to get you back.

Besides, all this ink's in me now. This Nitrogen has given me the impetus for all I've got to say.



(#023, V)

I've been going out with my boyfriend for five years now...

And when he took me to prom a few years ago, his bulging biceps almost made his tuxedo sleeves burst.

And I know he spent four hours a day lifting weights, I know he drank raw eggs and took all sorts of drugs just so he could be the strongest...

But every girl I knew did a double-take, all agape whenever he entered the room.

And it was the coolest thing, climbing up into his truck with the awesome exhaust and the cool flames painted down the sides, when he would take me to the movies or drop me off for my cosmetology classes.

Now, I always thought it was kind of weird that he would take different drugs just to bulk up more, but he'd swear they were legal, I mean, he even told me one of them was just a harmless element called Vanadium, and I don't know, when he said "element" I just thought about how I just kind of tuned out in chemistry class,

so I typed "Vanadium" into my smart phone, and I didn't see anything about it being bad for you or illegal or anything...

All the girls in school would ask me if I would stick with him after I got a job out of school...

And the thing is, now that my twenty-third birthday is coming up, I've got a job and I've been doing really well...

And he's been dropping hints like he might pop the question on my birthday this June.

But he was acting really weird, so I thought something was fishy, so I checked out his smart phone for any ideas of what he might be doing for my birthday...

And that's when I saw "Vanadium" on a web page link, and I thought, 'Oh no, is he doing MORE to try to get even BIGGER?'...

So I went to the web page, and I saw that Vanadium was added to "corundum" (what? I don't even know what corundum IS), but Vanadium is added to it to make simulated Alexandrite gemstones. Now, wait a minute, I know Alexandrite is my birthhtone, and it's only found in like Russia. It's really cool, it changes color in different light, but it's WAY expensive, like more than diamonds or anything, so I figured I could never afford any Alexandrite.

And you know, now that I'm out of school I've got a really good job at the salon, and after being promoted they're looking to promote me again, I'm starting to feel like I can actually GO somewhere in my life.

So now that I think about it,
I mean, it was great
to hang off my bodybuilder's arm
all these years,
but maybe now I should start
to stand up for myself.
I mean,
he may have thought he needed Vanadium
to make himself bigger,
but there's no way
I'm going to take an Alexandrite rip-off
with Vanadium
if that's the best he can do...

DNA and Carbon, in Asteroids (oh my)

(#006, C)

You know, us Carbon-based life forms always wonder where we came from, how we got here.

And with science on our side, we've looked beyond guessing and story telling to find proof in our answers.

And still, we look beyond what we know around us to find out how we were formed here on earth.

#

A couple of asteroids
just flew
perilously close to the earth.
Asteroid 2012 DA 14 intersected the iridium constellation,
flew through all of our global communication satellites.
An asteroid turned meteor blew up in the atmosphere
above the Ural mountains;
every Russian on the road
filmed the sky explosion
with their dashboard cameras,
before the sonic boom shattered windows everywhere
and injured over a thousand people.

And over two thirds of our planet is covered in water, just think of all of the impacts we're missing out on; I mean, our news feeds don't come from the middle of the ocean...

So we seem to think that these stellar explosions are becoming more and more rare, because our planet is pocked with massive impacts from the earth's early history.

But now that these scientists have been scanning the skies and studying the meteors buried in Antarctica, they've learned that many asteroids and meteors colliding with our planet's crust actually carry atanine and guanine.

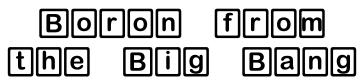
Asteroids carry major structures that form DNA.

It's very possible that throughout the early history of earth, asteroids collided with this planet, leaving their Carbon-rich DNA structures behind to help start life, and populate the earth.

I mean, Scientists have always wondered how the elemental sextet of life: Carbon, oxygen, hydrogen, phosphorous, nitrogen, calcium, how did these elements got together in just the right way to eventually create earth's Carbon-based life forms. I guess it would help that primordial soup if some asteroids brought along a little bit of DNA, so some of our building blocks came ready-made.

Astronomers say that we're all made out of stardust, because all of our atoms originate from the explosion of stars, but for *this* Carbon-based life form, it's cool that some of these asteroids and meteors carried our Carbon — and some of our DNA — here to planet earth, to jump-start our creation and get our genetic gears going.

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11 Na	12 Mg											13 Al	14 5i	15 P	16 5	17 (I	18 Ar
19 K	20 Ca	21 Sc	22 Ti	23 V	24 Cr	25 Mn	26 Fe	27 Co	28 Ni	29 Cu	30 Zn	31 Ga	32 Ge	33 As	34 Se	35 Br	36 Kr
37 Rb	38 Sr	39 Y	40 Zr	41 Nb	42 Mo	43 R	44 Ru	45 Rh	46 Pd	47 Ag	48 Cd	49 In	50 Sn	51 5b	52 To	53	54 Xo
55 Cs	56 0a		72 Hf	73 To	74 W	75 Re	76 Os	77 Ir	78 Ft	79 Au	80 Hg	81 11	82 Pb	83 0i	84 Po	85 At	86 Rn
87 Fe	88 Ra		104 Rf	105 06	106 5g	107 8h	108 Hs	109 M	110 Os	111 Rg	112 Cn	113 Uut	114 Uuq	115 Uup	116 Uuh	117 Uus	118 Uuo
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(#005, B)

The Higgs boson, the Higgs particle. The God particle, as some have called it. It's an elusive elementary particle theorized about for nearly half a century.

They call it the God particle because it might have created all matter.

You see, scientists
are trying to figure out
how the Big Bang
started to evolve.
You see, the theory
is that all of the universe's energy
was created
from this massive explosion
from
nothingness.
But the question remains:
how did any
of that energy
turn into matter?

Because during the first few minutes of our universe after the Big Bang, the temperature was so hot, that it was too hot for any binding energy that could have supported any matter, even hydrogen or it's isotope deuterium. With temperatures so hot, this bottleneck delayed the formation of anything until the universe was cool enough to make anything out of anything.

But just a few minutes after the Big Bang, elements burst forth, because the universe suddenly got cool enough. But at twenty minutes after the Big Bang, the universe was suddenly TOO cool for nuclear fusion or nucleosynthesis, and THAT is when elemental abundances were nearly fixed...

That means hydrogen, helium and trace anounts of lithium, beryllium and Boron were the elements formed in those first three minutes of the Big Bang. (Sorry, any elements starting at carbon or higher were only formed after stars were around to create them.)

...So the creation
of matter out of energy
during the formation
of this universe
only happened
in an insanely brief period
of the universe's history.
Was it just
the insanely hot temperature
in this insanely short period
that did it?

And what does this have to do with the Higgs boson particle anyway?

Well, scientists believe this Higgs particle is a part of the Higgs field, an invisible field of energy throughout the entire universe. That Higgs particle interacts with whatever energy passes through the Higgs field. And with this interaction, particles, massless particles, they trade their energy to gain mass when passing through.

And this Higgs field, in the beginning of the universe, helped create matter.

Which helped create us.

Higgs helped create matter, including the first elements in the universe, from hydrogen to the comparatively heavy Boron.

Yeah, five electrons is heavy in the formation of the universe.

Yeah, Boron, which helps keep our bones strong. Boron treats osteoarthritis. Boron builds muscles, and when it comes to trying to understand this science, it even improves our thinking skills.

We've known of Boron for thousands of years, from the deserts in Tibet, or from China in glazes through to Persia before it got to Italy, where it was used for medical purposes.

Well, knowing how long we've used Borax for cleaning, or even that Boron's used to make the strongest magnet ever made, it's nice to know that we also understand how much this infancy-of-the-universe element is vital in everything in our lives, from our muscles and bones to the very creation of the universe.

Yeah, it's cool to see
how scientists
are starting to piece together
how matter came to be
in this universe,
because without that Higgs field,
and without that Higgs particle,
energy would never
have turned into
Boron,
to create any

thing,

or even create us.

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Mysticism



www.janetkuypers.com

scarsuongond

http://scars.tv/kuypers/poems/periodic-table-of-poetry.htm

published in conjunction with CC&d magazine

the UN-religious, NON-family oriented literary and art magazine ccandd96@scars.tv http://scars.tv/ccd INTERNET ISSN #1555-1555 ISSN 1068-5154

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Magazine), founded June 1993; Down in the Dirt, conceived 1994, founded 2000

BOOKS: Hope Chest in the Attit, the Window, Close Cover Before Striking, (Woman,), Autuum Recoso, Contests Under Pressure, the Average Gay's Golde (to Faminism), Changing Geory, the Key to Edeving, Domentic Bisters, Etc., Owave, Extra Vision Freferenments, Six Beves, Lills et Cafe Alaba, Creams, Rough Mixes, The Entropy Project, The Other's Edition, Stops, Simy Your Life, The Searcy and the Destruction, Cold vision's Cold of Cold of

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