

Janet Kuypers

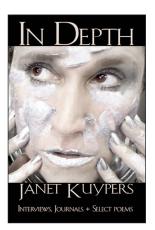
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Twitter verse Periodic Table poetry

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Publisher and performance artist by profession, she edits two literary magazines at Scars Publications (http://scars.tv). She has 100+ books of hers published, most on Amazon. She hosted the Café Gallery Chicago poetry open mic (http://scars.tv/thecafe); since 2019 hosts the Poetic License Austin. TX open mic on the first Sunday monthly, now global (http://scars.tv/Poetic_License) via Zoom meetings. Performing spoken word and music nationally (with music shows in Chicago IL, Round Rock TX, and Fairbanks AK), and her 40+ CDs are on iTunes & Amazon, and over the years has been nominated for and won many prizes for her writing.



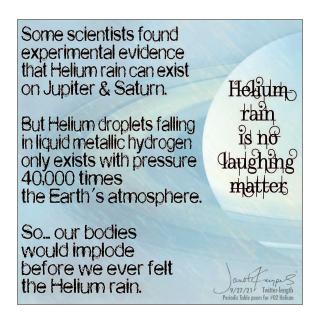
2018 interview/ journal/poems https://www.amazon.com/ dp/172085324X/

Helium rain is no laughing matter

Some scientists found experimental evidence that Helium rain can exist on Jupiter & Saturn.

But Helium droplets falling in liquid metallic hydrogen only exists with pressure 40,000 times the Earth's atmosphere.

So... our bodies would implode before we ever felt the Helium rain.

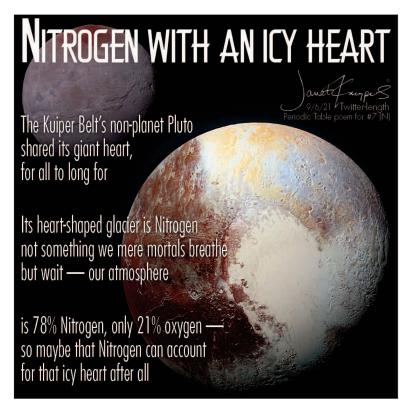


Nitrogen with an icy heart

The Kuiper Belt's non-planet Pluto shared its giant heart, for all to long for

Its heart-shaped glacier is Nitrogen not something we mere mortals breathe but wait — our atmosphere

is 78% Nitrogen, only 21% oxygen — so maybe that Nitrogen can account for that icy heart after all



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Sodium turns into quantum tornadoes

Ultracold Sodium gaseous atoms rapidly spin into needle-like strands, & on the quantum level, they form crystal mini-tornadoes.

Scientists now see the evolution of rapidly-rotating quantum gas, like Earth's magnetic or weather patterns.

And I thought Sodium was only for salt...

Sodium turns into quantum tornadoes

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for Periodic Table element #11 Sodium (No

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Magnesium becomes a thermal blanket

When scientists mixed deep-water & rock layers at high pressures, like Neptune and Uranus, they found Magnesium more soluble in water, like salt in Earth's oceans. So, Magnesium keeps the heat in mantles of water-rich ice planets—like it's a thermal blanket, keeping itself warm.

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9/27/21 Twitter-length Periodic Table poem for #12 Magnesium

Chlorine defines dioxins

The # of Chlorine atoms & their positions in dioxin molecules determines the toxicity of what Iraq war soldiers breath in our govt. burn pits: toxins, body parts, human feces...

We support our troops, & yet our govt. kills them w/ "burn pits" & won't treat any cancer they cause.

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Twitter verse Periodic Table poetry

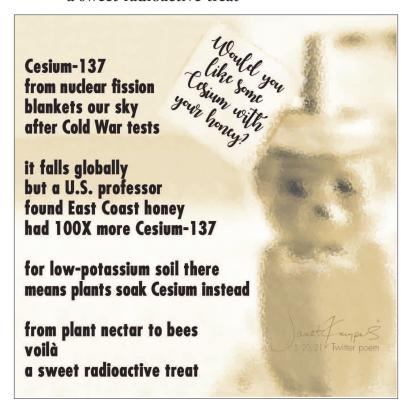
Cesium-137 from nuclear fission blankets our sky after Cold War tests

it falls globally but a U.S. professor found East Coast honey had 100X more Cesium-137

Would you like some Cesium with your honey?

for low-potassium soil there means plants soak Cesium instead

from plant nectar to bees voilà
a sweet radioactive treat



Cerium can soothe the soul

They say Cerium has no known role in humans, but writer Primo Levi would beg to differ. When he was in Auschwitz's concentration camp, he found a supply of ferroCerium and bartered with it for food.

Some say Cerium's toxic, but look at history. I say Cerium can save lives.

Cerium can soothe the soul

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Periodic Table poem for #58, Cerium (Ce)

Cerium-141, slowly seeping in

Radioactive Cerium-141, a marker and byproduct from U.S. nuclear tests, rained down over fresh lakes and seeped into our dirt—which makes it fitting to find Cerium in tobacco plants, all the way to Lake Michigan's cloudy morning skies

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Praseodymium: toxic if you breathe it...

Dateline ACS: Praseodymium Adversely hurts Neural and Cardiovascular Development in Zebrafish.

After China mined rare earth elements, The Kyoto Encyclopedia of Genes notes DNA damage...

Good thing someone's here to remind us that tech not respecting the environment can hurt it.

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10/17/21 Twitter-length Periodic Table poem for #59, Praseodymium (Pr)

Samarium made the music play

We're obsessed with having everything (and taking it with us wherever we want), and I wasn't there back in the day to get "technology" like this, but it's cool that back in '79, Sony made the first portable cassette player, the Sony Walkman, all made from Samarium cobalt magnets.

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10/19/21 Twitter-length priodic Table poem for #62, Samarium (Sm)

Europium in Euros

One of the most volatile elements, neutron star supernovas made & baked Europium in Earth's crust...

I've searched for Euros to see in my blacklight because Europium in Euro bills stops counterfeiting—
it's also in nuclear control rods, but... Europium in Euros—
how cool is that?

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Periodic Table poem for #63, Europium (E

Holmium, only one atom

I own a magnetic necklace—
no clasps stay together by attraction.
It's ingenious— so make it tiny with earrings,
for researchers made the smallest magnet
from one Holmium atom. I beg to differ
if they only use it for data storage.
Trust me, 1 atom of Holmium can do so much
more.

only one atom

12/30/21 Twitter-length poem for element #67, Holmium (Ho)

I own a magnetic necklace—
no clasps stay together by attraction.
It's ingenious— so make it tiny with earrings,
for researchers made the smallest magnet
from one Holmium atom. I beg to differ
if they only use it for data storage.
Trust me, 1 atom of Holmium can do so much more.

Erbium and REEs from fly ash

Don't know how material-intensive renewable energy is? Try 1,000% more rare earth elements, like Erbium.

How relieved are we to learn that REEs can be mined from waste in burning coal—fly ash—from a reusable liquid.
So, let's take toxic waste and make the world a better place.

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) and Layer 1/4/22 Twitter length poem eriodic Table element #67 Frihing (Fr

Thulium saves the day for some cancers

Everyone talks about breast cancer: doctors, media, sports teams, stars—but prostate issues are high too.

Thulium lasers give the fastest aid for benign prostatic hyperplasia, common in older men—

So if men say they rule the world, throw them this bone & help *their* health too.

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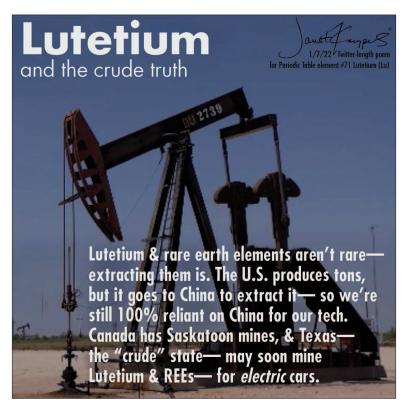
Thulium lasers give the fastest aid for benign prostatic hyperplasia, common in older men —

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1/6/22 Twitter-length poem for Periodic Table element #69 Thulium (Tm)

Lutetium and the crude truth

Lutetium & rare earth elements aren't rare—extracting them is. The U.S. produces tons, but it goes to China to extract it—so we're still 100% reliant on China for our tech. Canada has Saskatoon mines, & Texas—the "crude" state—may soon mine Lutetium & REEs—for electric cars.



Twitter verse Periodic Table poetry

Osmium when capitalism prevails

Osmium is 1,500x rarer than gold: w/ the highest density & abrasion-resistance, 1 oz. of Osmium is mined to 10,000 tons of platinum. But capitalism prevails when the most precious rare element, normally used in sturdy tools, is sold in paper-thin circles as expensive jewelry too.

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Platinum, stronger than love?

Platinum's one of the strongest elements, so: is Platinum stronger than love? I know the Platinum engagement ring one man gave his immoral bride couldn't save their failed marriage, but... that was never love. Because *true* love— the love *I* feel— is stronger than the entire world.

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Mercury's volcanic, icy re-release

ancient purities in glacial meltwater now released after millennia with no industry, pollution

stuns us when annual samples studied match massive masses of Mercury

Mercury's from volcanoes, pollution so stopping coal mining's not enough Mercury in earth's past can poison us too

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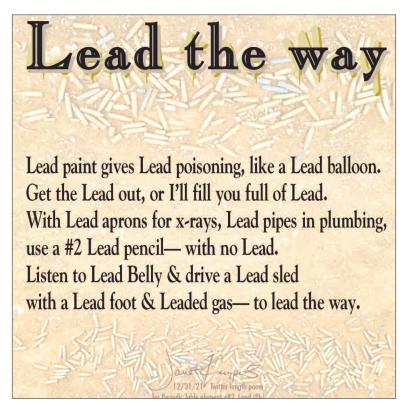
Thallium's a real killer

Used in rat poison,
Thallium's a weapon of choice
for fictional literature, +
a PA chemistry student,
a NJ woman husband killer,
a WA political assassin,
a Delhi man killing his in-laws, even
a North Korean cyberespionage group.
In fiction and real life,
Thallium's a real killer.

THOLLIUMS Interposed in rat poison, Thallium's a weapon of choice for fictional literature, + a PA chemistry student, a NJ woman husband killer, a WA political assassin, a Delhi man killing his in-laws, even a North Korean cyberespionage group. So in fiction and real life, Thallium's a real killer.

Lead the way

Lead paint gives Lead poisoning, like a Lead balloon. Get the Lead out, or I'll fill you full of Lead. With Lead aprons for x-rays, Lead pipes in plumbing, use a #2 Lead pencil— with no Lead. Listen to Lead Belly & drive a Lead sled with a Lead foot & Leaded gas— to lead the way.



Polonium: choose your fate, cancer or radiation

Polonium's really radioactive (a word Maric Curie created) and is in cigarettes. Curie discovered Polonium, but its radiation can't cure you of cancer from smoking, and radioactivity killed Marie Curie.

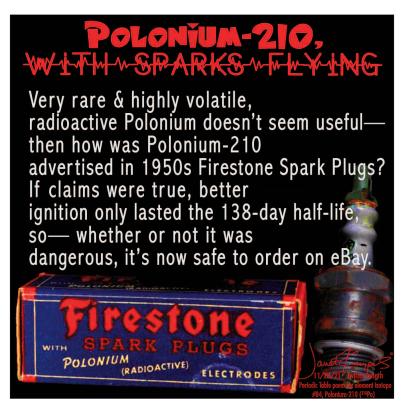
A cigarette ember's glow is not like Polonium's blue glow— but both can kill.

Polonium: choose your fate, cancer or radiation Polonium's really radioactive (a word Maric Curie created) and is in cigarettes. Curie discovered Polonium, but its radiation can't cure you of cancer from smoking, and radioactivity killed Marie Curie. A cigarette ember's glow is not like Polonium's blue glow—but both can kill.

Twitter verse Periodic Table poetry

Polonium-210, with sparks flying

Very rare & highly volatile, radioactive Polonium doesn't seem useful—then how was Polonium-210 advertised in 1950s Firestone Spark Plugs? If claims were true, better ignition only lasted the 138-day half-life, so—whether or not it was dangerous, it's now safe to order on eBay.



Radon: just a little's enough

January's National Radon Action Month, for Radon's the 2nd leading cause of lung cancer (after Cadmium in smokes). So it's bad—but the Austrian Gastein Curative Tunnel is where miners there were rejuvenated—breathing Radon fixed any problems, so... just a little Radon's enough.

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1/15/22 Twitter-length poem for Periodic Table element #86. Radon (Rn)

Neptunium, just in time

Enrico Fermi (possibly erroneously) won the 1938 Nobel Peace Prize w/ neutron irradiation making newly-discovered radioactive elements like Neptunium. He & his Jewish wife left for Sweden for the Nobel win

1 day before Germany's Kristallnacht, which could have led to their doom.

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Plutonium: Plutonium (pee-eew)

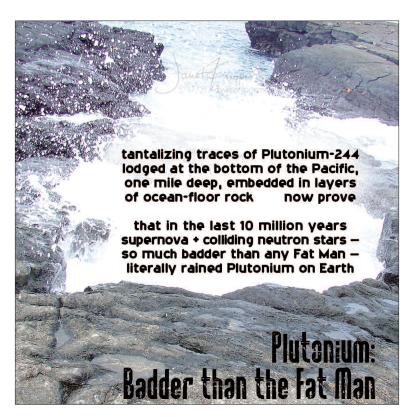
American chemist Seaborg, w/ Wahl & Kennedy (& even Segrè, despite being an enemy national) worked @ night in a small, smelly, confined attic to get element #94, & named it for the last planet...

Remembering the smelly space they found 94, he ensured its symbol would be pee-eew.

Plutonium: Badder than the Fat Man

tantalizing traces of Plutonium-244 lodged at the bottom of the Pacific, one mile deep, embedded in layers of ocean-floor rock now prove

that in the last 10 million years supernova + colliding neutron stars so much badder than any Fat Man literally rained Plutonium on Earth



Americium in Smoke Detectors

A Boy Scout w/ an atomic energy badge tried to build a reactor, adding Americium from smoke detectors to other radioactive elements he "found". Fearing excess energy in his backyard, he drove off with it, & police stopped him for erratic driving.

The EPA buried his lab in Utah.

Mendelevium, one atom at a time

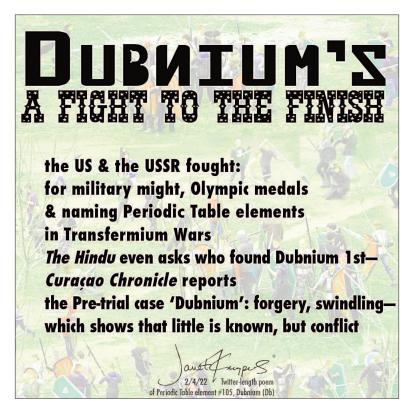
Scientists bombarded element #99 on gold foil to get #101, but the UC Berkeley cyclotron & chemical separators were separated by a cliff. So they booked up it in a supercharged VW Beetle, for Mendelevium, w/ a half-life @ ~5 minutes, was the 1st element found — 1 atom at a time.

Mendelevium, one atom at a time Scientists bombarded element #99 on gold foil to get #101, but the UC Berkeley cyclotron & chemical separators were separated by a cliff. So they booked up it in a supercharged VW Beetle, for Mendelevium, w/ a half-life @ ~5 minutes, was the 1st element found — 1 atom at a time.

Dubnium's a fight to the finish

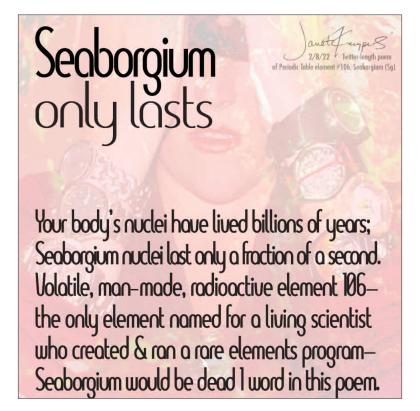
the US & the USSR fought:
for military might, Olympic medals
& naming Periodic Table elements
in Transfermium Wars

The Hindu even asks who found Dubnium 1st—
Curação Chronicle reports
the Pre-trial case 'Dubnium': forgery, swindling—
which shows that little is known, but conflict



Seaborgium only lasts

Your body's nuclei have lived billions of years; Seaborgium nuclei last only a fraction of a second. Volatile, man-made, radioactive element 106—the only element named for a living scientist who created & ran a rare elements program—Seaborgium would be dead 1 word in this poem.



Bohrium is the secret

107's the heaviest element w/ studied chemistry. Bohrium's volatility was learned in a cyclotron—& in 1945 WWII, US military stopped Superman comic strips when he was irradiated in a cyclotron, described in far too much detail for censors—for science was the real secret in war.

Bohrium is the secret

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Bohrium's volatility was learned in a cyclotron—
& in 1945 WWII, US military stopped Superman comic strips when he was irradiated in a cyclotron, described in far too much detail for censors—
for science was the real secret in war.

2/5/22 Twitter-length poem f Periodic Table element #107, Bohrium (Bh)

Hassium: a beautiful day

1984:

Hassium discovered, Orwell,
HIV identified, Apple's 1st Mac,
Payton sets rushing record,
Michael Jackson's hair's on fire in Pepsi ad,
Mandela saw his wife after 22 years in prison,
the Smithsonian got Mr. Rogers' red sweater...

Was 1984 a beautiful day in the neighborhood?



Darmstadtium: what then

President Carter praised the Shah & dubbed Iran "an island of stability" 1 year before the Islamic Revolution, which was a year before 52 Americans were held hostage in Iran for 444 days. Chemists want an island of stability w/ Darmstadtium, but—when it's so unstable, what then.

Larmstadtium: what then President Carter praised the Shah & dubbed Iran "an island of stability" 1 year before the Islamic Revolution, which was a year before 52 Americans were held hostage in Iran for 444 days. Chemists want an island of stability

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w/ Darmstadtium, but-

Nihonium: a tanka / waka

cold fusion in lab high rises sway in typhoon nine years, three atoms element found— then human progress grinds to halt

cold fusion in lab high rises sway in typhoon nine years, three atoms element found— then human progress grinds to halt

Moscovium and aliens: the truth isn't out there

Moscovium: discovered in '03, named in '16. UFO lovers disagree & believe Bob Lazar went public

w/ #115 & old spaceship work @ Area 51. His claims are bogus; Moscovium's too unstable. Alien lovers believe what they want to believe. So... is the truth out there — or in science?

MOSCOVIUM AND ALIENS: THE TRUTH ISN'T OUT THERE Moscovium: discovered in '03, named in '16. UFO lovers disagree & believe Bob Lazar went public w/ #115 & old spaceship work @ Area 51. His claims are bogus; Moscovium's too unstable. Alien lovers believe what they want to believe. So... is the truth out there — or in science?

Twitter verse Periodic Table poetry

Oganesson, bending time inside

Wanting an island of stability when looking for elements, we found the opposite instead: superheavy elements that blink out of existence. I fear 118 may be the end: supercharged electrons in this noble gas travel near the speed of light, so time & space bends inside them instead.

OPANFSSON, bending time inside

Wanting an island of stability
when looking for elements,
we found the opposite instead:
superheavy elements
that blink out of existence.
I fear 118 may be the end:
supercharged electrons in this noble gas
travel near the speed of light, so
time & space bends inside them instead.

Calcium 40.078 38 Sr Strontium 87.62 56 Ba 137.327 Radium http://scars.tv/Twitter V Vanadum 50.942 441 Nb Nobum 92.906 73 Tantalum 180.948 100.9 Cr Cr Choman 51.998 42 Mo Molyeleanu 95.94 10.85 Janet select Twitter-length 25 Mn Manganess 54.338 43 Tc Tc Tcchiclum 98.907 75 Re Resident 107 Bh Bobisson 1264 76 55.933 44 8 University 190.23 100. 730/22 at Chicago's Gallery Cabaret Verse Kuyper 28 Nicrest 58.6893 46 Pethadium 105.42 78 Pethadium 155.08 Periodic_Table_Poetry/ 29 Cu 63,546 47 Ag Silver 107,868 79 Au 196,967 111 111 Rg Reanzemu 20 Zn Zinc 65.39 48 Cd Cadmium 112.4111 80 Hg 200.539 112 Committee Committe C Cabbon 12.011 14 Silveon 22.036 32 Cambon 17.0 Silveon 17.7.06 Ge Germanium Pharasium Pharasiu Nutrogen 114,007 15 P Prospinoru 30,974 Argente Argente Argente Argente Argente Argente Argente Argente Banuth 21,1760 Banuth 22,08,980 115 Banuth 22,08,980 Faccine 125 305 85 73 304 17 125 303 38 125 303 38 17 17 15 304 17