

ISSUE TWO

Fulcrum Review

Cover Art by Kenneth Ricci



It's that time, when the spring winds blow in a fresh gust of air and breathe from nothing, almost like a reawakening. As the first issue of 2025, I'd like to view this as the beginning of something new: the works that have been presented here capture that essence of Fulcrum's broader aim of highlighting scientific advancements or technological innovations within the sphere of art. That is done through the pieces that cut through the boundary of STEM and art or the visual pieces that paint stories from still moments.

Thank you to those who've put in the monumental effort of bringing this issue of the Fulcrum Review to life, whether it be the editors or the contributors. It's been amazing reading through the submissions from writers demonstrating their commitment to creative writing, science, and sociology. The amount of submissions that Fulcrum Review has received this round has been extremely heartwarming.

It is my pleasure to share the stage with the creative pieces of these talented writers, artists, and photographers. Happy spring awakening!

David Wong

Founder, Editor-in-Chief

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Synaptic Cleft

Lauren Frausto

I refuse to cease my role in the static storm my only redemptive iota is my laughter in the roil of the broken aether I defy every impulse that dares deny the aurora crackling between the fingers of my neighbor poised to sin and save us all in each half-fraction of a second—

Borealis.

LAUREN RENEE FRAUSTO is an enthusiastic interdisciplinarian in her creative and scholarly pursuits, focusing on combining science and poetry in both realms. Her poetry, written for the page and the microphone, is influenced by her dedication to her work in research, education, and intersectional feminism. Globally and locally, she is excited to create and collaborate at such intersections as STEM and the humanities, science and literature, and technology and art. Additionally, she values incorporating science fiction and the speculative into art and scholarship. Her writing can be found in Raw Art Review, New Plains Review, Cola Literary Review, Consilience, and The Nature of Our Times.

Fluidity

Samantha Terrell

It's not always easy to know what's been taken from us, or what we have taken from others.

Dignity is a fluid thing – one in the moment, and another in hindsight.

We put words in each others' mouths, then take them out again to suit us.

We are wet clothes hanging on the line, in the rain,

beginning to sag with the
weight of double-saturation —
not knowing how long we must hold on.

Samantha Terrell is an American poet and author of multiple five-star collections, most recently Delta Function (Alien Buddha Press). Her poems have been widely anthologized in publications such as: Door=Jar, Eunoia Review, Green Ink Poetry, In Parentheses, The Orchards Poetry Journal, and dozens of others. Terrell is curator of the international poetry series, SHINE, featuring her fellow contemporaries from around the globe. She and her family reside in Upstate New York where she cherishes sunbeams splattered on a hardwood floor and the quiet after snowfall.

Look what computers did to my family

Alison Hramiak

Here I stand, resolute, but alone, struggling to cling to the last vestiges of face to face family life. Saturday tea time tables and shared viewing.

Those tattered curtains of distant memories appear unsullied when illuminated, through dyed pink lenses.

Images of a life gone by.

Down the shallow scree they fall, eager for a steeper incline leading to the valley floor.

A space, a place, where separate lives are led without ever leaving their rooms.

These shifting patterns of modernity, a kaleidoscope of otherworldly virtuality, evolve into self-absorbed retreats, isolation, from human touch. Sons and lovers welcome this avalanche of new technology, safe in their multi-media haven, their cold electronic entertainment diversion.

See them run down the slope, while I sit and watch from above.

Resolute, but alone.

Alison Hramiak is a poet, writer and tutor living and working in West Yorkshire, England. She is published in several Forward Poetry anthologies, New Contexts 4, 6 and 7 and on various poetry web sites such as Impspired and The Causley Trust. She edits and reviews poetry anthologies and is a member of several poetry groups, such as Consilience. She blogs for the Sheffield Institute of Education. Her work can be found at: wwwpoetryforlives.co.uk.



What's your idea by Kenneth Ricci

K.G. Ricci is a self-taught NYC artist who has been creating collages for the past seven years. In that time his work has evolved from the larger 24x48 panels to 7x10 books and most recently to a series of 11x14 collages on cardboard titled Incongruities. His work has been in gallery exhibitions throughout the country, and he has appeared in numerous on-line exhibitions. Many of Ken's most recent "visual stories" have been featured in several literary magazines.

Autistic American Football

Alison Hramiak

I run interference for him.

He's my quarterback,

but one who only rarely

makes his own play.

Always, seemingly, he must follow

the play of others.

He needs protection from the world around him.

Daily. Because

he's wired differently.

Thinks differently. Talks without

a filter. No holds barred.

And, no matter how hard

he tries, he can't ever reach

the 'in-zone'.

(Where the 'in-crowd' hang

waiting for the touch-down).

His voice, his beautiful voice,

thoughts and ideas,

the astounding rhetoric

of his creative genius is

green unfiltered and raw.

A wide open field for him to explore (if only his mental sieve worked better think coffee filter made for beans but used for grounds).

His expressive self doesn't always come through in the real (normal?) world.

Can't always be heard over the crowds in the stadium he has to navigate.

Then see how his frustration rises like a roaring tempest.

Imploding and exploding on his pitch, in his field of play, as the line backers collide like helmeted tectonic plates.

So, even if he manages to throw the ball clear of the oncoming defense, it rarely goes in the direction he aimed for.

Rarely finds a wide receiver, and the social safety 'norms' are ready and waiting to tackle him even if he makes the pass.

They make sure that he never makes any progress, isn't ever accepted or acceptable.

The ball goes out of play, and he finds himself alone, again, with me, his mum, his strong safety, I run interference for him, and the mask hides my tears.

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Abandon – an unrhymed sonnet Inspired by a thought of a Desert Island Disc escape, but discless

David Nobes

Let's abandon our lives, these lives we have constructed, or others have built for us.

Let us run off to a desert island.

We leave behind all the technobabble,

the conflicts, the traumas, and the turmoils.

We leave our trials and tribulations.

We will live on coconuts and the fish
we can catch in the reef-rimmed blue lagoon,

bathe and frolic in the ocean waves and drink deep in the rainwater ponds. Forget about the world's cares until the world's cares come calling since we cannot avoid them, because the growing storms and rising tides are our creations and our undoing.



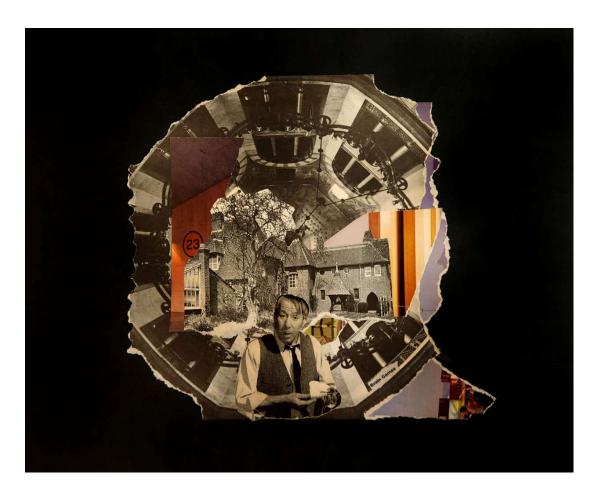
Untitled by Irina Tall (Novikova)

Irina Tall (Novikova) is an artist, graphic artist, illustrator. She graduated from the State Academy of Slavic Cultures with a degree in art, and also has a bachelor's degree in design. She draws various fantastic creatures: unicorns, animals with human faces, she especially likes the image of a man - a bird - Siren. In 2020, she took part in Poznań Art Week. Her work has been published in magazines: Gupsophila, Harpy Hybrid Review, Little Literary Living Room and others.

$C6H12O6 + 6O2 \rightarrow 6CO2 + 6H2O + ATP$

Matthew D Albertson

we are but stoichiometry
an aggregate of cells respire
with systems built successively
made chemistry biology
respire we aerobically
our forebears anaerobically
and countless ages far from now
your kin may live as differently
through generations' toil and strife
what wonders plain hath grown from this:
philosophy and poetry
indifference, malevolence
yea all we know and fear and love
is all but stoichiometry



Brain Games by Kenneth Ricci

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The Breaking Point

Ganiv Tuteja

A cell swells when it's in a hypotonic state, When too much fills in, with no space to navigate.

No room to stretch, to breathe, or explore, Everything tight, confined, stored to the core.

In time, the pressure mounts, a fierce internal storm, A breaking point nears, where form starts to deform.

With one final surge, the limit is breached,
The cell bursts forth, its bounds overreached.

We're no different—humans, too, can break,
When emotions flood in, and we've more than we can take.

At one point with no escape,
We're bound to explode under all that weight.

Ganiv Tuteja aspires to enter the medical field and uses poetry to express and process her emotions. Her work often explores themes of biology, mental health, renewal, courage, and the beauty of nature. She shares her poems on Instagram under the handle @late.night.scribbless, and has been published in Apotheca Journal, Pre-Med Gazette, Starlit Souls Literary Journal, Writer Girlies Magazine, and Alter Ego.



When the reflecting layers of the ionosphere by Kenneth Ricci

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Field Base Camp - Victoria Valley - Antarctica by David Nobes



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To Be Objective, One Must Turn the World Into Objects

Anna Nguyen

When I was a Ph.D. student, I wrote against what I refer to as object studies. Food was my object of inquiry, but I used it to analyze how forceful the process of scientizing can be, how language becomes scientized by the desire to be the expert.

Those studying food through the frameworks of science and technology studies wanted to say something about embodied knowledge is personal knowledge is tacit knowledge.

Personal knowledge, they believe, is the answer to objectivity.

They aren't honest with themselves. They want their knowledge to count as science. They try to redefine norms of science. They still want to be experts in something, anything.

Tacit knowledge was coined by the neoliberal scientist and philosopher of science Michael Polanyi. He draws your attention to "personal" and appears to move beyond scientific procedures. There is no such thing as scientific detachment, that scientists are full of passion and they are deliberately aware of the craft inherent in experiential knowledge in their work.

But you mustn't be mistaken that what he is describing is subjectivity. He, after all, tries to be a slick philosopher, full of circularity. Read further and don't isolate his definition. He tells you, rather insidiously,

that he is describing personal and tacit knowledge of the scientist. He wants to persuade you that there are some things that scientists do that they cannot themselves explain to you. Scientists, he explains, observe a set of rules which are not known as such to the person (the scientist) following them as the rules cannot be reduced to merely verbal or written rules.

But you must and should trust them, he wants you to accept.

If I may rewrite Lauren Berlant's thoughts on cruel optimism,² I must attribute science as related to uncertain anxiety. The practice and its objects overwhelm us with its allures, promises, and discoveries, all of which are linked to colonialism, subjugation, and a fixed form of knowledge. What I'm curious about is why we value science, a topic that many of us don't actually read: scientific lab reports, findings, and tedious journeys that document their scientific trajectories. Instead, many read pop sci, read pithy abstracts, read simplified interviews spotlighting science.

We typically see a polished version of science. And we strategically recycle words like objectivity and facts.

That isn't creativity. That is simple mimicry, a mimicry of violent virtues and conquests.

Truly the end of imagination.³

One morning, after completing a few hours on my research work I proceeded to prepare lectures for my philosophy classes. My mind must move from writing scientific papers to preparing textual analysis.

I was in the mood for self-flagellation. My partner hovered by the sink, preparing a light lunch when I said in a mocking tone, "I should have been a social scientist, though I suppose they'd try to fail me out of my program for not being objective enough. But are they objective?"

Without turning around, he responded rather poetically, "you don't want to be objective. To be objective means you turn the world into objects."

He had synthesized Shiv Visvanathan's concept of vivisection.⁴ As if I wouldn't have noticed.

The world has indeed become an object, an ongoing science experiment that is constantly experimented upon again and again. All under the scientific gaze.

I want to imagine a world that is not constantly vivisected, when the scientific language of understanding and interpretation are no longer prioritized, when expertise need not be a metric to prove credibility.

Anna Nguyen had been a displaced PhD student for many years, in many different programs and departments at many different universities in many different countries. She decided to rewrite her dissertation in the form of creative non-fiction as an MFA student at Stonecoast at the University of Southern Maine, which blends her theoretical training in literary analysis, science and technology studies, and social theory to reflect on institutions, language, expertise, the role of citations, and food. She also hosts a podcast, Critical Literary Consumption, which features authors, poets, and scholars discussing their written work and their thoughts on reading and writing practices.

¹ There are times I read to understand intellectual discourse, a form of labor, which I find myself enjoying. I read beyond a simple definition that has been extracted out of its meaning and placed in a paper or essay without regard to the entire text. I've read Polanyi's mid-century text multiple times. *Personal Knowledge: Towards a Post-Critical Philosophy.* What does "post-critical philosophy" mean here?

² In *Cruel Optimism*, Berlant speaks of the inherent contradiction of her concept. She writes of the affective structure of an attachment to feelings of optimism. Optimism is cruel when an object or environment or something tangibly attachable provides a sense of possibility when it is actually impossible (p. 2). I do not have any attachments to any scientific enterprises or reclamation projects. I write in hopes to initiate a different mode of curiosity, craft, and possibility.

³ Arundhati Roy's spectacular essay, "The End of Imagination," makes the connection of highlighting how nationalism ties into science. Whenever I teach it, I make a point of asking how students view science. Is it borderless, is it tied to a nation-state, what happens when it becomes tied to nationalistic projects that destroy the lives of people all tied to promises of progress? Roy deftly makes the point that India celebrated the success of nuclear bombs by embracing science as if it were the country's achievement when in fact India took the worst part of U.S. imperialism to claim its own science. What, then, is left of imagination, of life, and of living when science takes over?

⁴ Rereading Visvanathan makes me somewhat sad. His lessons might seem repetitious, until one realizes that we haven't really taken up his call for a new kind of language or imagination. In an essay collection titled *A Carnival for Science*, he brings up Claude Bernard's scientific cruelty as a way to understand that the world is always carved up alive. He writes that any country and nation-state should be a site for multiple identities, but science has caused the world to think of the binary science/non-science that maintains borders and nationalistic surveillance. Science, it bears repeating via Visvanathan, is a monolithic worldview.



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Nasta Martyn - Freedom by Irina Tall (Novikova)

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Knowledge Is Now Shame

Margaux Herry-Simon

Science has evolved since the beginning of time. Consequently, so has technology, and we now find ourselves in an era seemingly ruled by the belief that, similarly to how knowledge is power, sharing knowledge is sharing power. It is of *such* power that everybody now not only has the need, but also the means, to share theirs with the entire world. Social media has become a breeding terrain for influencers, whose bare-minimum knowledge is stretched out and elongated for views.

A major portion of these influencers focus on nutrition and dietetics. Their contents are self-perpetuated ironic voids in which nothing is ever really said - *but so much is implied*. Rules pile up from one post to the other, creating guidelines in which it becomes difficult to tell the rights from the wrongs. Knowledge now has power *over* us. It is no longer a goal to drive ourselves toward, it has become a crushing and insufferable catalyst to self-destruction.

Our journeys with nutrition knowledge often start early. Mine started in an elementary school classroom filled with implicit food rules and slightly too much judgement for my eight-year-old self's taste. The older we get, the more these journeys evolve. Conversations are suddenly more understandable, books become readable and social media develops into everyone's learning device of choice. To be clear, I have no problem with

information being shared on social media. It is important to acknowledge that online spaces hold the power to connect people from different places, and that they offer resources and/or solutions to struggles that are otherwise not talked of. I take issue with the general flood of information, of which a lot contradicts itself, that seems to drive our culture nowadays. Additionally, this torrent of content is guided essentially by guilt.

Shame cannot enhance knowledge, because improvement fuelled by hatred will never be real progress. It will be just that; hatred. If resentment worked as a method of advancement, the world would be a healthy place by now.

We acquire plethoras of knowledge, in a desperate attempt to repair parts of ourselves we never broke. Yet, we never feel fixed. We only feel more compelled to keep compulsively digging into the hole of vaguely scientific data, hoping to one day hit an inexistent prize of Golden Wisdom. Through this digging, entire confused generations of insecurity have been created. Knowledge is no longer power - *knowledge is now shame*.

There exists such (mis)information on food and bodies and nutrition that it is difficult to dissect right from wrong. In this chaos of confusion, I feel the need to raise my shaky hand to talk some shaky words. I wish we were taught self-respect over 'quick fixes' and one-size-fits-all advice. I wish we were taught how to support our health, overall. In an era of such connectedness and technological advancement, what a pity it is that we are only ever taught to be some vague version of an unattainable ideal. At the end of the day, we need to ask ourselves - am I living for *me*, or for society's *idea* of me?

How to Read Lips in the Dark

Lily Chesgreen

1. The Desk

Last year, I sat on the floor

to take my midterm exam. I received the oddest of looks

one can receive from a teacher,

but she was turned to face the upside down map

she could talk / about / for hours on the other side of the classroom

when she commented on my seating arrangement / so I could not tell you

what it is she said.

I could not bear the white board staring back at me, the

paint chipped walls

splattered with ink only I could see,

the chair shifting behind me –

yellow

added to the canvas.

All I know / is that I would like to break

this tiled floor

into pieces / I can understand.

2. The Neon

to the last of the neon left in them after years of being called on to burn / stars seeping through

the windows / I focused / on the signs because they reminded me of lightning bugs,

the lightening bugs & the wasps that tend to sit on my windowsill / the waiter with

hair bleached too many times bumped against me / I clung to the edges / of my sleeves, pinching

the fabric everyone else thought was too rough between my fingertips / I looked to my mom's

lavender & pine voice for comfort / the chandelier a little too close to my head, levitating above

warm wood boards & faded false silver spoons / I grasped to each of her syllables / the bell rang

on the door for the fifth time since we sat down to eat / order not even taken yet / my gaze

drifts to the new laughs resonating / that was the first time my mother pointed out I read lips –

when she realized how often I nod without understanding / when my head is turned.

3. The Hands

March 2020 / In recent years I've lived in half conversations / paper placed over lips my mom could now not tell me to stop licking / strings looped around ears lapsing inconvenience into headaches / headaches / into static / repeatedly missing the few words we were allowed to exchange from 6 steps.

We used to joke

your hands are 6 inches / 12 of your hands away / anyways I was never good / with crowds or parties or conversations / no one was really a part of

but people began to ground me in a way / they never had before. Those few words that mattered though

I tended to miss.

4. The Things Professionals Miss

Can you actually read my lips? – is the response I receive more often than not.

It is estimated that only 30-40% of speech sounds can be read on lips. Professional lip-readers rely more on context, knowing how the individual pronounces their words & their accent & how often they laugh,

over their own ability to read lips.

They mouth something not translatable, exaggerating each syllable in an over dramatic way, like those game show hosts with big hair & big houses & bigger lips but now, in someone else's mind

I am a liar

because I don't get lucky often & 30-40% & a person I've never met are statistics not even professionals would see as half decent.

5. The Radio

Screaming in the streets isn't enough anymore. I wish it was.

I wish we could go back to when we would sit

under that bridge & pretend the cars going past could hear, pretend we could hear each other.

I have never been able to sing the right words when a song is on the radio,

when speakers replace lips, but still, we sit, wishing more people rolled down their windows, too immersed in their own headlights

to mind – to listen to our endless plans, our voices echo in what we thought was rebellion.

We were never going to start a revolution, but we sure as hell started something. Because what we spoke of didn't matter

much, as long as the bridge said the words back to me, devotion laced with spray paint & stoplights.

6. The Doorway

The streetlights keep me alive at night / I plead for the rain to hold me / for a train to pass

for white noise – something / someone / to overtake me / I have never been afraid / of the dark

but in this moment, hands press over my ears / like they did in the first grade / like they still

do now / the touch overwhelms me - I have my hands & the ping of the heater has its own

I do not know anymore which ones pull at my hair / either way the noise I can't stop shoves

sobs from my throat / a figure in the doorway speaks & I return to the streetlights / pleading

for an answer they refuse / to give me.

7. The Astronomers

My mom likes to watch thunderstorms.

It's like her guilty pleasure.

Opening the bay window curtains / I like how the lightning reflects off the framed paintings on the walls / trapped in their embrace / stars twinkling without feeling the need to ask first, without needing / a justification

/ It's lovely / It's terrifying /

It reminds me to breathe

because I've never had to read the sky's lips.

Electron Hug

David Nobes

Our sound waves
merge and coalesce,
combine then
pass each other
down the line.
Cold electron dance
can't, won't convey
our warm feelings.

Talk to me, tell me about your day. Say anything you want, anything, in anyway.

And yet I sense
a distance, a
hesitation.
Long pauses,
silences,
speak volumes
of pains

you feel, have felt, and pains you want to avoid.

Yet pain is life.

We are alive

and reaching out.

Please
do not shrink
from my touch,
the shock of fingertips
on skin.
There is so much
to explore.

D. C. Nobes is a physicist, poet, and photographer who, aside from 2 years on Vancouver Island, spent his first 39 years in or near Toronto, Canada, then 23 years based in Christchurch, New Zealand, 4 years in China, and has since retired to Bali. He used to enjoy winter but admits that he doesn't miss the snow or the cold. He thinks almost all poetry is meant to be read aloud. His poetry and art photographs have been widely published.