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TECHNO ON THE RADIO: CONSTANT'S TECHNO- CUL-DE-SAC

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Constant's recent worksession, **Techno-Cul-de-Sac**, co-convened by members Martino Morandi and Peter Westenberg (November 20–25, 2022), proposed a collective encounter with Brussels via an investigation of zoning, infrastructure, and technology, bringing together artists, architects, and urban researchers. I joined on the basis of my current artistic-research interest, **fugitive radio**, which seeks to develop collectively-realized modes of “performance-radio” using free and open-source tools. As such, I was particularly interested in zones determined by communication infrastructures: “network coverage, whether by cables or by the aether: phone lines, optical fibers, 4G, 5G, FM.” As someone engaged with interventions I was drawn to the worksession's questions: What are possible strategies to express disagreement, temporarily or structurally in the urban space? As private property and public space. PUBLICATION of PUBLIC ACTIONS ABOUT consent CONTACT CONtribute SUPPORT SHOP help us rethink public space and public action?

“Cul-de-sac” translates from French as “bottom of the bag.” Anatomically, it is associated with the coccyx and the ass, and it commonly refers to an enclosed road with a single passageway to enter and leave – a “dead end.” Over the week, I came to understand that we had arrived at a technological dead end as a function of platform capitalism: the rolling out of algorithmic surveillance, policing, and governance under the guise of convenience and novelty or as a necessity to meet failures and oversights in public infrastructure.



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Unsurprisingly, these top-down encroachments

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into urban life are not necessarily welcomed. Two

days after the conclusion of Techno Cul-de-Sac,

World Cup-induced riots broke out in central

Brussels. Images of burning electric scooters

circulating online were a sardonic reminder of

OPENCOIL's contributions to the worksession.

Introducing themselves as “Scooter” and

“Speedy,” Dennis de Bel and Anton Jehle's

collaboration investigates the emergence of

micro-mobility – specifically, the sudden influx of

hire-via-app electric scooters in cities including

Berlin, Brussels, and Paris. Presented as a

transport solution to “fill the gap” between public

and private transport, de Bel and Jehle stumbled

over these abandoned vehicles in Berlin and

decided to follow their trail – back to the

warehouses and garages where they would be

recharged, repaired, and then redistributed by

freelance “juicers” overnight. Treating these “e-

scooters” as an urban resource, Scooter and

Speedy began to devise hacks and “non-

dest

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enable them to be used for charging devices,

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among other things. In October 2020, in the middle of the coronavirus pandemic, they organized the exhibition “OPEN COIL – A Roaming Speedshow” in Berlin, co-opting eleven randomly selected vehicles as their exhibition platform.

At a community and cultural space managed by Collectif CBO across the street from Constant's workspace, OPENCOIL gave a public presentation with Thyl Van Gyzegeem from Inter-Environment Bruxelles (IEB), an association of neighborhood groups involved in urban, social, and ecological struggles. Here the discussion pivoted around how the scooters were suddenly introduced into Brussels without community consultation and how they failed to service commuters who remained without reliable public transport beyond the central zones. They also failed to meet accessibility needs. Furthermore, the poor wages and working conditions of contractors hired to service, PUBLICATION, PUBLIC ACTIONS, ABOUT, CONTACT, CONTRIBUTE, SUPPORT, SHOP and the fierce competition amongst players

contributed to misgivings about these

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INCOINVOLUNT INTERVENTIONS into public

infrastructure and urban space. In their research, OPENCOIL found only two manufacturers of these scooters, located in China. With the advent of “Mobility as a Service” (MaaS) apps that integrate public and entrepreneurial transport options, many present felt that the micro-mobility sector’s real business was in gathering data for a handful of developers who were positioned to sell this on to interested parties. I spoke with an attendee about the possibility of “commoning” the e-scooters dumped on urban centers: Might they be repurposed as scooter-powered local meshworks?

The following night at Collectif CBO was a public screening of the recent documentary *Livrer Bataille* (2022) from ZIN TV, which concerns the struggle of food delivery couriers working for platforms such as Deliveroo and Uber Eats. In 2018, contracted Deliveroo riders were forced into freelancing and they responded by organizing strikes. PUBLICATION PUBLIC ACTIONS F. ABOUT main, CONTACT CONTRIBUTE SUPPORT SHOP and the UK. During the after-screening discussion,

food couriers expressed how they were suspicious
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 Of unions and were instead founding their own
 collective spaces. We learned that these platforms
 exploit *sans-papiers* migrants and the racialized
 poor as “freelancers.” We were made aware of
 “dark kitchens” where many of these meals are
 prepared. It seems many in the hospitality
 industry believe food delivery apps are not a
 sustainable business model, considering the
 precarious conditions and high turnover of low-
 paid freelancers and the tight profit margins by
 which restaurants operate. Again, many believe
 the “real business” of these platforms is collecting
 data from both couriers and customers. We
 consider that even if couriers owned their data
 they may not be in a position to sell it. Could they
 use it to support their demands? The couriers
 believed the media was key to raising awareness
 and mobilizing their struggle. Exposing the
 precarious conditions of those who labor for
 consumer conveniences, *Livrer Bataille* displays
 platform capitalism's data hierarchy and social
 cost

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In another presentation. “Spectral Desire Paths,”

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the action research collective **Urban Species**

reported on their ongoing project concerned with sensing, tracking, and consent as they relate to data-sharing and geo-positioning technology. The group utilizes a palm-sized, battery-powered

“asset tracker” device designed by logistics company **Sensolus**. Proposing that people are more “susceptible” to giving their data to

personified objects, the tracker was modified by affixing “friendly” googly eyes. A QR code completes the object’s “face,” which is then placed in public thoroughfares around Brussels.

When intrigued passersby scan the code they are taken to a **website** (stripped of its IP address) where the device introduces itself as a “pet

sensor” and asks to be adopted for a day, a week, or a month. The text suggests the finder take the tracker to their most “intimate places” where they may turn it upside down so that its eyes “will

meet the sky.” Positioned so, the device can send GPS coordinates that are then plotted on a web-

base

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unaware of how they are being surveilled in a city
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 and are thus not afforded the choice to consent to
 such measures, Urban Species propose a way to
 make such operations and decisions more visible.

Another public workshop, *Autodéfense numérique*
 by Technopolice – which offered to “de-Google
 your phone” – began with the precaution that
 doing so would likely make one’s device
 unworkable, as many of the apps we regularly use
 – for example, for banking, shopping, and
 messaging – rely on the tech giant’s services.
 While we considered the conditions and effects of
 networked “convenience” and algorithmic
 governance, during Techno-Cul-de-Sac the street
 often returned as the site of politics and
 resistance. It may not be politically effective or
 advisable to become a mob, burning these
 imposed adversaries – if that is indeed what e-
 scooters, pet sensors, and smartphones are, as
 keepers of our most intimate information.

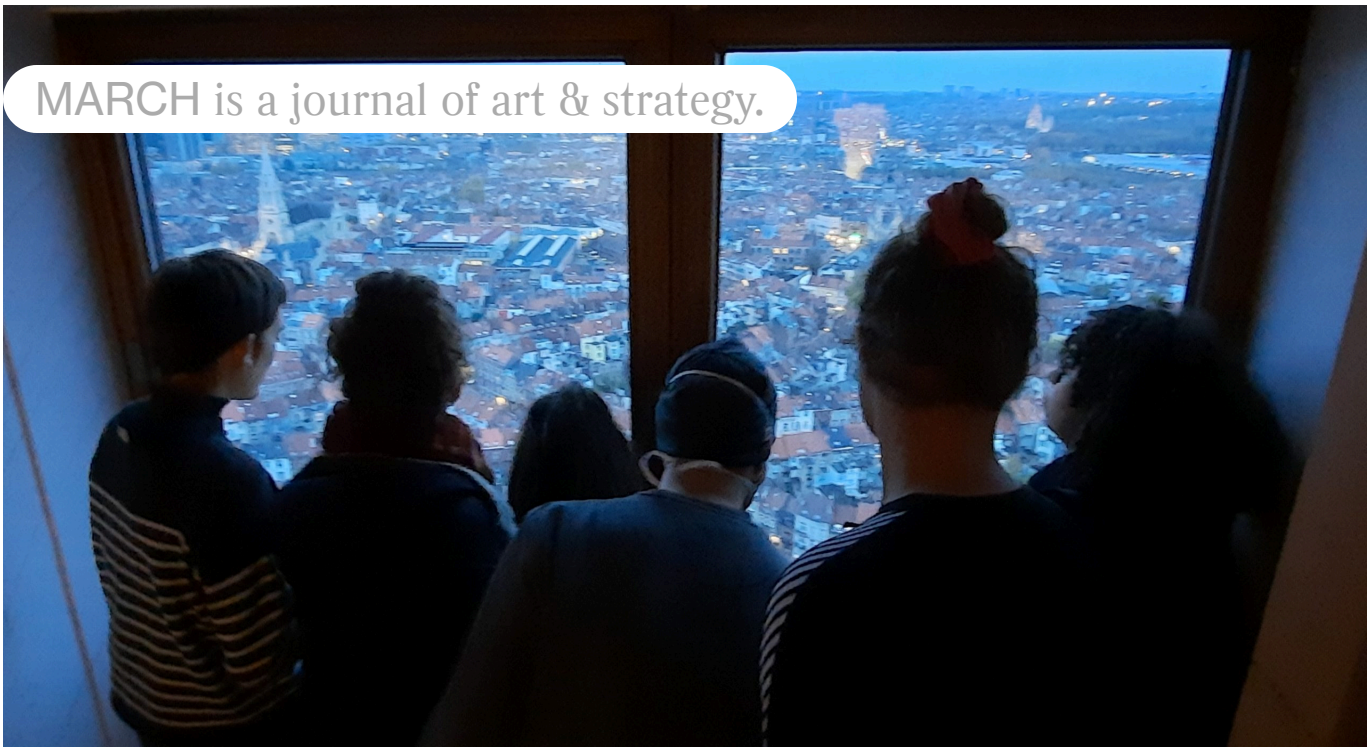
Nevertheless, such novel technologies betray
 arrangements, public actions, about what
 contact, contribute, support, shop
 aspire to be smart and incentivize start-up

entrepreneurialism, which is arguably a condition
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Of the (re)industrialization of public services and
the dismantling of the welfare state.

In response, Constant brings people together around technology and situated, embodied modes of research. I experienced Techno-Cul-de-Sac as a social practice as much as an artistic and activist inquiry. For example, the lunches were catered/curated by an enthusiastic duo of young chefs. Over the week, chefs Louis and Ollie delivered surprising soups, salads, and savory and sweet tortes with options that fulfilled the group's dietary needs. When introduced, they shied away from our rousing, appreciative applause. They told us that their business was still fledgling and that they were cooking in their homes, drawing on their African heritage.

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Techno-Cul-de-Sac worksession participants examine the view from Brusilia.

While the worksession was not about radio per se, radio was the medium that underpinned our activities. On our first afternoon together, we made a trip to Brusilia, a striking curved apartment block that is the second tallest residential building in Belgium and home to one of the participants. Next to the wide Josaphat Park, it stands alone in the Schaerbeek district of Brussels. Installed on the building's rooftop are several antennae servicing different media and telecommunication. PUBLICATION PUBLIC ACTIONS ABOUT CONTACT CONTRIBUTE SUPPORT SHOP

Radio rank, a free radio initiative broadcasting

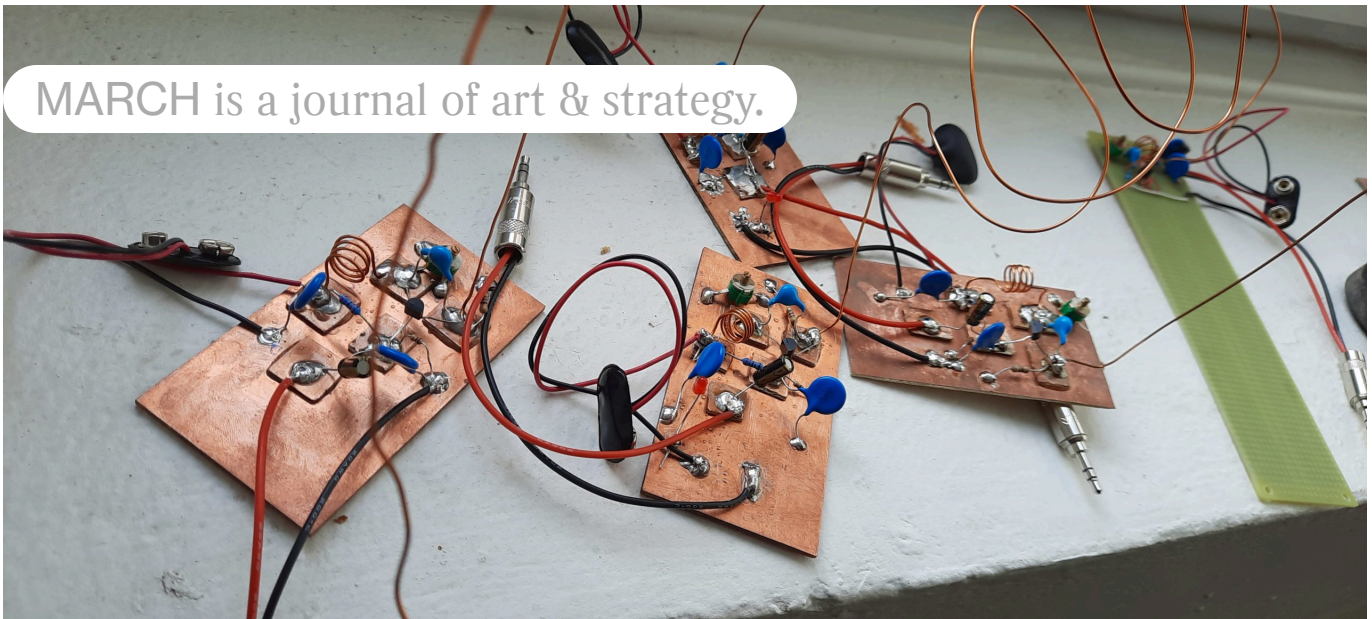
since 1983 and emphasizing independence and

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University. Convening in a top-floor apartment, we reclined in a comfortable lounge room with tea and snacks, mingling with housemates and taking in the sweeping views across the city. Sound artist and researcher **Stelios Manousakis** delivered a concise explanation of frequencies cribbed from his PhD studies before we were briefed on an array of equipment scattered across the dining table. Then, in groups of three or four, we took turns climbing up the service stairs to the chilly rooftop. Wary of a coming storm, we roamed around the concrete platforms, absorbed in our scanning and recording devices amidst the wind and drizzle. Later, after we had returned to more comfortable surroundings, a discussion about experiences of “electrosensitivity” inevitably led to **WifiCats**.

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DIY radio transmitters made with Radio Panik.

Techno-Cul-de-Sac culminated on Friday evening with an “Alleycasting” radio broadcast live on p-node, a decentralized community of servers, FM transmitters, and Digital Audio Broadcasting (DAB+) devices. As we finalized our projects – writing scripts, recording sound, editing and wrangling code – Susie from Radio Panik arranged a table in the middle of the workspace, installed a mixing desk, and arranged microphones. Constant member Wendy Van Wynsberghe began to play with electrosensitive sensor PUBLICATION'S PUBLIC ACTIONS, 'ABOUT' joined with CONTACT p CONTRIBUTE & SUPPORT C SHOP

attached. harvesting airborne signals that he then
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 processed and summed with software, while Peter
 allocated us each a time slot for the upcoming
 hour-long broadcast. As I have a particular
 interest in producing participatory forms of
 experimental radio, I was delighted by the way
 the event unfolded as we approached the mixing
 desk in turn, bringing our projects to the table to
 perform or play back.



Techno-Cul-de-Sac worksession “alleycasting” concluding event at Studio Techno-Cul, November 25, 2022.

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While I spent much of the worksession struggling with minimal software on my laptop, the emphasis of Techno-Cul-de-Sac was on the techno-social. With this and other worksessions, Constant makes a space to come together and (co-)work through issues that concern how technology shapes society and vice versa. Converging at the end of the road, we devise ways to push back – and make fun – given the appropriate (mental, physical, free and open source) tools.

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Sumugan Sivanesan is an anti-disciplinary artist, researcher, and publisher. He is currently working on a book about the history of the internet and its impact on society. He is also a co-founder of the organization that organizes the worksessions. He is a member of the organization that organizes the worksessions. He is a member of the organization that organizes the worksessions.

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