



Interest In Orwell's Classic '1984' Still Endures After 70 Years

Words and phrases from Orwell's *1984* abound in American culture. Although many are worried after having read the prophetic dystopian novel, few are alarmed enough to do anything to stop it in modern society. □ TN Editor

Seventy years after its publication, George Orwell's classic dystopian novel "1984" continues to fascinate readers, in particular youngsters growing up in a social media-dominated age of increasing angst.

"Some students are very shocked by it, and remain shocked by it," said Michael Callanan, an English teacher and director of the Orwell Youth Prize, which supports political expression amongst young people.

"It is part of the paradox of a book being 70-years-old," he added.

“I think they were taken aback by how fresh and how true to our lives today it strangely is.”

Written in 1948, and published the following year, “1984” depicted a chilling future world in which a totalitarian state controls people’s thoughts and actions, suppressing any dissent.

This rigidly-controlled society features a so-called “ministry of truth” that distorts reality, with the ever-watchful eyes of “Big Brother” keeping tabs on citizens’ behaviour.

The novel introduced other terms that have endured in the lexicon, including “double-think”, which means “the power of holding two contradictory beliefs in one’s mind simultaneously, and accepting both of them”, according to Orwell.

For Jean Seaton, director of the Orwell Foundation, which promotes the work of the writer who died in 1950 aged 46, and administers various awards, his masterpiece was “very prescient”.

She noted the book’s description of “two minutes hate” — in which citizens watch a daily film inciting them to hate enemies of the state — as comparable to online hate-mobs today.

Over the seven decades since its publication, “1984” has remained omnipresent on the social landscape, and even seen periodic spikes in sales.

In 2017 it enjoyed a boom in popularity after one of US President Donald Trump’s advisors used the term “alternative facts”, a phrase used in the book.

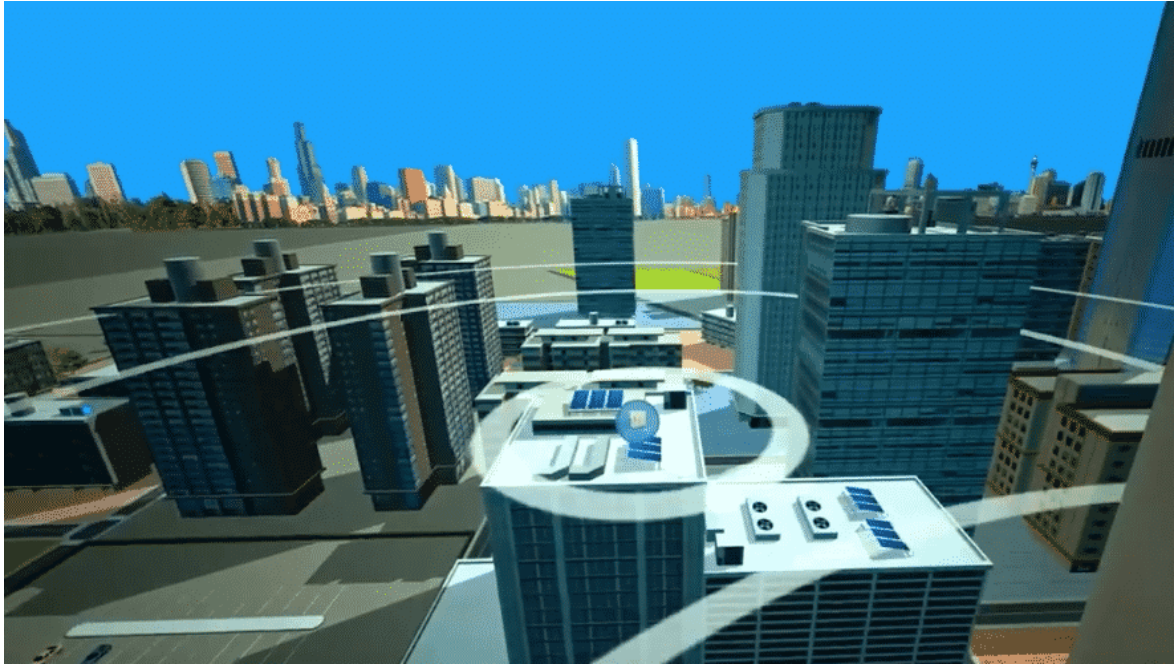
In Britain, sales that year increased by an eye-popping 165 percent, publisher Penguin Books told AFP.

The novel also saw a marked increase in purchases in 2013, after the revelations of mass state spying by US whistleblower Edward Snowden.

Callanan, who has been teaching for 30 years, said today’s teenagers are not “frightened of it in a way that maybe previous generations were”.

“But in the past couple of years with the rise of Trump, there is now significant minorities of students that are very concerned about the way the world is going — and of course truth is the big thing,” he added.

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What’s Hidden In Your New ‘Smart City’ Street Lights?

The vast majority of Americans have no idea of Big Tech’s massive drive to make digital slaves out of every urban dweller. Smart street lights will often be at the heart of data collection and coordination. □ TN Editor

Such a benign and banal part of the urban landscape that city-dwellers may not even notice them, street lights are useful for brightening up a road and not much else - or so you might think. People these days are used to the idea of CCTV cameras, even hidden ones, but street lights tend to blend in to the background. Perhaps that is why they are finding new functions in the modern world, with its zealotry for [surveillance](#).

These seemingly innocuous devices can host anything from microphones and cameras to facial recognition and de facto compulsory [5G](#) wifi transmission.

LED lampposts are being installed in cities and public places across the world, only partly because of their economical, energy-saving properties. With the new installations comes a wide range of sensors designed to capture data on public activity. As Chuck Campagna, CEO of lighting company Amerlux, [told](#) *The New York Times*, “We are opening up an entirely new area in lighting applications and services, including video-based security and public safety, parking management, predictive maintenance and more.”

“We see outdoor lighting as the perfect infrastructure to build a brand new network,” added Hugh Martin, chief executive of the company Sensity, which installed smart lighting at Newark airport. “We felt what you’d want to use this network for is to gather information about people and the planet.”

Lighting in a Smart City

In April 2018, Singapore announced that it would run a “Lamppost-as-a-Platform” pilot program, in which a variety of sensors, including cameras linked to facial-recognition technology, would be attached to street lighting. GovTech, the department in charge of the project, told Reuters that the technology would be used to perform “crowd analytics” and help in terrorism investigations. According to the city-state’s former top civil servant Peter Ong, the goal is to link every lamppost to a network of sensors. In October, it was announced that Singapore Technologies Engineering (STENGG) had won the bid to provide the technology, and a similar smart lamppost program would commence in [Hong Kong](#), where 50 of the lights are [set](#) to be installed by June. The Hong Kong lamppost design [certainly](#) contains surveillance cameras, but it is unclear whether they also will be linked to facial-recognition programs.

STENGG’s smart lampposts are designed merely to be a thread in a wider Internet of Things web, in which virtually every object is

connected to a shared network. As part of such a system, lampposts are so much more than just street illuminators; they are multi-purpose devices used to monitor the cityscape. The [design](#) incorporates environmental sensors, a wifi hotspot, an infotainment display, radar for vehicle monitoring, and, of course, equipment for “public safety and traffic surveillance.” Naturally, this aspect of the network is downplayed; a promotional [video](#) for the company’s WISX Internet of Things system doesn’t mention population surveillance at all, and neither does a Hong Kong government [brochure](#).

Singapore is a successful country but one well known for highly controlled social discipline. Would Western countries allow such potentially invasive technology to be planted on every street?

In STENGG’s 2018 sustainability [performance review](#), CEO Vincent Chong says the company has been hired to enable smart street lighting in cities in Canada, the United States, Britain, New Zealand, and Israel, as well for as other infrastructure projects across the globe.

Urban Surveillance

It isn’t necessary to create an entire smart grid in order to install surveillance technology into street lights. As early as 2007, the idea of securing cameras to street lights was being [discussed](#) in the United Kingdom; in 2010, a system of microphones was [deployed](#) on street lights in several British cities. The high-powered microphones were designed to pick up on angry or distressed voices and suspicious sounds, automatically triggering a linked camera to zoom in on the source of the noise.

Similar technology has been used in several U.S. cities, most notably New York, which fixed [microphones](#) to street lamps in high-crime neighborhoods. The ShotSpotter sensors are said to pick up only loud, suspicious noises, such as gunshots or shouting, and then send an alert to the police department. Although the data [appear](#) to have been less than dependable, it has not stopped police from attempting to use it as evidence in criminal trials.

“There’s a few things that are problematic,” said Monroe County Assistant Public Defender Katie Higgins, working on behalf of Silvon Simmons, a man on trial for allegedly shooting at a police officer in 2016, based on ShotSpotter recordings. “One is that it was designed to be an investigative tool for the police, to alert them to possible gunfire and allow them to respond to see if there are civilian witnesses or other evidence of gunfire. But it was not designed to be used as actual primary evidence (in a trial).” The judge in the case apparently agreed, having [ruled](#) the recordings too “unreliable” for use as the key piece of evidence to convict a man.

In 2017, San Diego became perhaps the U.S. city most invested in surveillance street lighting, teaming up with General Electric to install cameras, microphones, and sensors in more than 3,000 lampposts. Other locales, as well as federal agencies, have ordered recording equipment for installation in street lamps. Immigration and Customs Enforcement (ICE) and the U.S. Drug Enforcement Administration (DEA) have purchased such devices, Quartz [reports](#), based on government procurement documents.

Christie Crawford, owner of Cowboy Streetlight Concealments, from which the DEA purchases equipment, said:

“We do street light concealments and camera enclosures. Basically, there’s businesses out there that will build concealments for the government and that’s what we do. They specify what’s best for them, and we make it. And that’s about all I can probably say I can tell you this—things are always being watched. It doesn’t matter if you’re driving down the street or visiting a friend, if government or law enforcement has a reason to set up surveillance, there’s great technology out there to do it.”

Urban Solution or Tool of Tyranny?

Finally, [5G](#) wireless internet is well and truly being rolled out in 2019. While previous wifi connections, such as 4G, have been optional in one’s home - a resident could either choose to purchase wifi or not - street lights are one of the vehicles to carry 5G transmitters. Due to the high-

frequency, short-range nature of 5G's millimeter waves, it's necessary to situate transmitters at regular intervals in order to keep a signal going. You will no longer have any choice over whether you want a constant wifi signal in your residence; it will be effectively mandatory for all urban dwellers because the electromagnetic signals will be blasted into homes from the street. Given the [untested](#) nature of 5G technology, some people may want a little more control over their exposure than that.

Are smart lampposts the next great solution for urban planning and city management, or a convenient mechanism for public surveillance? It seems almost ridiculous to suggest that street lamps could be the next most useful tool of tyranny, but their very banality and regular placement on streets makes them the perfect vehicle to monitor - and, therefore, control - wide swathes of the world's population.

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Dump It: Toronto's Smart City Project Is 'Surveillance Capitalism'

Google tricked Toronto into creating the model smart city, Quayside. Venture capitalist Roger McNamee states: "It is a dystopian vision that has no place in a democratic society." And yet, Smart City tech is a tsunami to the U.S. □ TN Editor

A "smart city" project in [Canada](#) has hit yet another snag, as mounting delays and privacy concerns threaten the controversial development along the Toronto's eastern waterfront.

The 12-acre Quayside project, a partnership between Google's Sidewalk Labs and the city of Toronto, has come under increasing scrutiny amid concerns over privacy and data harvesting.

This week, the US venture capitalist Roger McNamee warned that technology companies such as [Google](#) cannot be trusted to safely manage the data they collect on residents.

"The smart city project on the Toronto waterfront is the most highly evolved version to date of ... surveillance capitalism", he wrote to the city council, suggesting Google will use "algorithms to nudge human behavior" in ways to "favor its business".

McNamee, an early investor in Facebook and Google, is co-founder of Silver Lake Partners, one of the world's largest technology investors.

But in recent years, he has soured on many of the technology giants and their handling of data and privacy concerns.

"No matter what Google is offering, the value to Toronto cannot possibly approach the value your city is giving up," he wrote, pleading with officials to abandon the project. "It is a dystopian vision that has no place in a democratic society."

The letter follows news that the project's advisory panel, Waterfront Toronto, plans to delay a planned vote on the Quayside development to ensure it can undertake an "accountable, transparent, and extensive" evaluation of Sidewalk Labs' plans, which are expected to be submitted in the coming weeks.

"We have adjusted our expected timelines accordingly to ensure that the evaluation process has the time required to meet the expectations of Waterfront Toronto, and the public as a whole," spokesman Andrew Tumilty said in a statement.

McNamee's criticisms are the latest in a growing chorus of opposition to the project by high-profile technology investors and executives.

Late last year, Jim Balsille, the co-founder of BlackBerry maker Research in Motion, called the project "a colonizing experiment in surveillance capitalism attempting to bulldoze important urban, civic and political issues".

In 2017, Sidewalk Labs won a proposal to develop a 12-acre section of Toronto's eastern waterfront. The proposal also left the possibility of developing as many as 800 acres of the city's Port Lands area in the coming years.

Originally seen as a tool for addressing affordability and transportation issues in the city, Quayside was meant to be one of the world's first "smart cities", drawing on environmentally conscious design and emerging technologies to "accelerate urban innovation and serve as a beacon for cities around the world". Sidewalk Labs intends to build 2,500 housing units, nearly half of them under market value.

Despite initial public support for the project, Quayside has been dogged by fears of data harvesting, privacy concerns and an overall lack of transparency.

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