

The Forward Eagle

News, Reviews & Elisions
Of Mutual Interest
Compiled Weekly by Tim Forward
for
The Riverdale Senior Services Center
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Current events

Hydrothermal Energy

The concept of using river water for heat is known as hydrothermal energy, where heat is extracted from the water.

Heat Pumps: River-water source heat pumps (RWSHPs) are a technology that efficiently uses this heat. These pumps circulate a fluid through the river, extracting heat and then transferring it to a system for heating or cooling.

Water-source heat pumps: These systems, which can include open loop systems (drawing water directly from a river or borehole) or closed loop systems (using a fluid-filled loop), are becoming increasingly popular for heating and cooling buildings and other infrastructure.

Reliability: River water temperatures are relatively stable year-round, providing a consistent heat source.

Renewable and Local: This is a renewable energy source, and rivers are often readily available, making it a local solution.

Efficiency: River-water heat pumps can be highly efficient, potentially exceeding the efficiency of air-source or ground-source heat pumps.

Environmental Benefits: Using river water heat pumps can reduce reliance on fossil fuels, leading to lower carbon emissions.

Potential Challenges: Environmental Impact: It's crucial to ensure that water extraction and cooling water return do not significantly alter the river's thermal regime, which could negatively impact aquatic life.

Open Loop Systems: Open loop systems, while potentially more efficient, can pose a higher risk of freezing if not properly designed and maintained.

Cost and Maintenance: Open loop systems may have higher operational and maintenance costs compared to closed loop systems.

Building Heating and Cooling: River water heat pumps can provide efficient and cost-effective heating and cooling for buildings, potentially reducing reliance on fossil fuels.

Industrial Processes: The heat extracted from rivers can also be used for various industrial processes that require heat or cooling.

Bloomberg Endorses Cuomo

Former New York City Mayor Michael Bloomberg has endorsed Andrew Cuomo's mayoral campaign, giving the former governor of New York a boost from a prominent moderate political voice heading into the final weeks leading up to the June 24th Democratic primary.

Bloomberg said Tuesday he had had his differences with Cuomo over the years, but when they disagreed, Cuomo showed strengths as a leader and a manager.

"I care deeply about the future of our city, and since leading office, it has been difficult to watch its struggles especially since the pandemic," Bloomberg said. "of all the candidates, Andrew has the skills our city needs to lead us forward."

Cuomo, who resigned as governor after facing sexual harassment allegations that he has



High Falls, Genesee River – Rochester, NY

Rivers store significant amounts of heat, making them a potential renewable energy source. This heat can be harnessed using heat pumps, which extract thermal energy from the river and transfer it for heating or cooling applications. The high mass and thermal capacity of rivers contribute to their consistent temperature, making them a reliable energy source throughout the year.

denied, has led a crowded Democratic field vying for the party's nomination for mayor. Bloomberg's support gives Cuomo an endorsement from an influential political force the city.

Bloomberg, the billionaire founder of Bloomberg LP, was elected to his first term as mayor in 2001 as a Republican. He became an independent in 2007. He ran unsuccessfully in the democratic presidential primary in 2020.

AO-C Endorses Mamdani

Cuomo's strongest competition in the June 24 Democratic primary has been New York Assemblyman Zohran Mamdani, who is running on a platform that includes lowering the cost of living for working class New Yorkers.

Mamdani is of South Asian, specifically Indian, descent. He was born in Kampala, Uganda, to parents who were also of Indian descent, and later moved to New York City. He is the first New Yorker of Ugandan descent to serve in the New York State Assembly

. Representative Alexandria Ocasio-Cortez endorsed Mr. Mamdani last week, and polls show the race narrowing.

Adams Skips Primary

The current Mayor Eric Adams is skipping the Democratic primary and will run in the general election on two party lines he created called "Safe&affordable" and "EndAnti Semitism."

Lander Candidacy

The present comptroller for New York City, Brad Lander, is running in the primaray as an earnest technocrat with a stack of progressive plans.

Lander is campaigning on a platform to make New York City more affordable, improve public safety, resist national anti-immigration initiatives, and clean up corruption in city government. His candidacy has not had the same momentum as Cuomo, Mamdani and Adams.

Word of the week

Modus ponens

noun

/moʊ dəs 'poʊ nɛnz/

Sounds like: mow·duhs pow·nuhnz

Latin: 'mood that affirms'.

Modus ponens is *a mixed hypothetical syllogism*.

Modus ponens is a fundamental rule of deductive reasoning. It essentially means that if a conditional statement ("If P then Q") is true, and the antecedent (P) is also true, then the consequent (Q) must also be true.

Premise 1: Conditional statement (If P, then Q).

Premise 2: Antecedent (P) is true.

Conclusion: Consequent (Q) is true.

"If Socrates is human, then Socrates is mortal. Socrates is human. Therefore, Socrates is mortal".

Modus ponens allows one to infer the conclusion of a conditional statement if you know the antecedent is true.

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This week's articles were excerpted and edited from *The Wall Street Journal*, *The New York Times* and *Die Süddeutsche Zeitung*.

Former Mayor Michael R. Bloomberg on Tuesday announced that he was backing the former Gov. Andrew M. Cuomo in the New York City mayor’s race, giving Mr. Cuomo an endorsement coveted by many of the Democratic candidates in the race.

Mr. Bloomberg said in a statement that it had been difficult to watch the city struggle since he left office, especially during the coronavirus pandemic, and that Mr. Cuomo was the best choice for mayor. He called Mr. Cuomo a pragmatist” and praised his work to rebuild LaGuardia Airport.

“In sizing up the field in the race for mayor,” Mr. Bloomberg said, “There is one candidate whose management experience and government know-how stand above the others; Andrew Cuomo.”

Mr. Cuomo has centered his campaign on the idea that the city is in crisis and needs a strong manager to address quality-of-life issues. He has also faced repercussions over the sexual harassment scandal that led to his resignation as governor of New York in 2021 and criticism of some elements of how he handled the pandemic.

Many moderate voters look back fondly on Mr. Bloomberg’s three terms in office and are interested in a candidate who might have better managerial skills than the current officeholder, Mayor Eric Adams.

Ester R. Fuchs, a political science professor at Columbia University and former adviser to Mr. Bloomberg, said the endorsement could sway voters who were on the fence about Mr. Cuomo.

“Bloomberg is the most critical and important endorsement for Cuomo in the primary,” she said. “It is a seal of approval for moderate voters who care about effective governing the city.”

Mr. Cuomo has led in polls ahead of the June 24 Democratic primary. But he has faced a surprisingly strong challenge from Zohran Mamdani, a state lawmaker from Queens and a democratic socialist.

The endorsement comes two days before the second and final candidate debate on Thursday. Representative Alexandria Ocasio-Cortez endorsed Mr. Mamdani last week, and polls show the race narrowing.

Mr. Bloomberg said that Mr. Cuomo had “focused on solving problems rather than engaging in ideological or partisan warfare,” a seeming reference to left-leaning candidates like Mr. Mamdani.

It was not immediately clear if Mr. Bloomberg intended to further assist Mr. Cuomo during the last two weeks of the race by hitting the campaign trail with him or donating to Fix the City, a super PAC tied to Mr. Cuomo’s interests. Mr. Bloomberg is expected to contribute to a group allied with Mr. Cuomo, according to a person familiar with his thinking.

Mr. Bloomberg and Mr. Cuomo had a dense relationship when they overlapped in office more than a decade ago. They fumed privately about each other’s ego, as well as matters of style and substance.

Mr. Bloomberg referred to their past in the statement and said that there was no “perfect choice” in the race.

“History holds endless examples of friction between mayors and governors,” Mr. Bloomberg said. During my 12 years in City Hall, I served with four New York governors and had differences with all of them, including Cuomo. But I also know his strengths as a leader and manager.”

Several of Mr. Bloomberg’s allies had donated to Mr. Cuomo’s mayoral bid, including

his daughter Emma Bloomberg, indicating that the former mayor might be inching toward an endorsement.

The New York City Council passed a bill to decriminalize jaywalking in September 2024. It was officially made into law as of April 2025 after Mayor Eric Adams declined to sign or veto it.

The legislation ended a 66-year ban on jaywalking. The city’s Department of Transportation (DOT) revised its rules at a hearing on April 17, 2025, to reflect the new law. Now it is official that jaywalking is no longer a punishable offense. Pedestrians are still encouraged to use crosswalks and follow traffic signals for safety.

“Jaywalking is a way of life in New York City. It’s how people navigate our city,” said Council Member Mercedes Narcisse of Brooklyn.

Law enforcement penalties for jaywalking in the past have been unfairly enforced. It carried a penalty of up to \$250.

New York police have long faced criticisms for stopping Black and Hispanic pedestrians far more often than white citizens.

A New York City local newspaper, *The Gothamist*, reported that in the first half of 2024, the New York Police issued 786 pedestrian-related summonses, 77% of which went to Black or Hispanic people.

“We’re seeing discriminatory enforcement of this, and it is not keeping us any safer,” said Council Member Tiffany Cabán of Queens, one of the bill’s sponsors.

“Decriminalizing jaywalking in New York is long-overdue and eradicates a mechanism that city police have employed, for decades, as a pretext to stop, question, and frisk New Yorkers of color,” according to a Legal Aid Society statement.

Transportation Alternatives

For the past 50 years, *Transportation Alternatives* (TA) has worked to promote a citizen-led movement for safe and equitable streets in New York City. TA uses a combination of neighborhood-level grassroots organizing and citywide advocacy to push for changes in public policy, street design, enforcement, and resource allocation to make city streets safe for vehicles, bicycles and pedestrians.

Vehicle Violence

During the first nine months of 2024, all types of traffic accidents in New York City resulted in 193 fatalities and seriously injured another 2,338 people, according to an analysis from the group *Transportation Alternatives* (See NOTES 1 & 2).

Every week in the city this year, 17 pedestrians are injured in vehicle/pedestrian accidents. This is a 13% increase from the same period in 2023, and a significant increase in four of the five boroughs.

moo dəz 'poo nenz
Sounds like
mow·duhs pow·nuhnz
Latin, literally ‘mood that affirms’.

Modus ponens is a *mixed hypothetical syllogism* and is closely related to another valid form of argument, modus tollens.

Modus ponens is a fundamental rule of deductive reasoning. It essentially means that if a conditional statement ("If P then Q") is true, and the antecedent (P) is also true, then the consequent (Q) must also be true. It's like

saying, "If it's raining, then the ground is wet. It is raining. Therefore, the ground is wet".

Here's a breakdown:

- **Premise 1:** A conditional statement (If P, then Q).
- **Premise 2:** The antecedent (P) is true.
- **Conclusion:** The consequent (Q) is true.

Examples:

- "If Socrates is human, then Socrates is mortal. Socrates is human. Therefore, Socrates is mortal".
- "If water reaches 100°C at sea level, then it boils. Water reaches 100°C at sea level. Therefore, it boils".
- In simple terms, modus ponens allows you to infer the conclusion of a conditional statement if you know the antecedent is true.

A mixed hypothetical syllogism is a type of syllogism where one premise is a conditional statement (i.e., an "if-then" statement) and the other premise either affirms or denies the antecedent (the "if" part) or the consequent (the "then" part) of that conditional statement. Valid mixed hypothetical syllogisms include modus ponens and modus tollens, while affirming the consequent and denying the antecedent are invalid.

Key points about mixed hypothetical syllogisms:

- One hypothetical premise:
.

The syllogism contains one conditional statement, like "If P, then Q".

□ □

Other premise affirms or denies:
.

The second premise either states that the antecedent (P) is true or false, or that the consequent (Q) is true or false.

□ □

Modus Ponens:
.

Valid form where the antecedent is affirmed. For example, "If P, then Q. P. Therefore, Q".

□ □

Modus Tollens:
.

Valid form where the consequent is denied. For example, "If P, then Q. Not Q. Therefore, not P".

□ □

Affirming the consequent:
.

Invalid form where the consequent is affirmed. For example, "If P, then Q. Q. Therefore, P".

□ □

Denying the antecedent:
.

Invalid form where the antecedent is denied. For example, "If P, then Q. Not P. Therefore, not Q".

- Examples:
 - Valid (Modus Ponens):
 - If it's raining, then the ground is wet.
 - It's raining.
 - Therefore, the ground is wet.

• □

□ Valid (Modus Tollens):

- If it's raining, then the ground is wet.
- The ground is not wet.
- Therefore, it's not raining.

• □

□ Invalid (Affirming the consequent):

- If it's raining, then the ground is wet.
- The ground is wet.
- Therefore, it's raining.

• □

□ Invalid (Denying the antecedent):

- If it's raining, then the ground is wet.
- It's not raining.
- Therefore, the ground is not wet.

Pedestrians

Compared to 2023, 10% more pedestrians were seriously injured in the Bronx, 16% more in Manhattan, 20% more in Brooklyn, and 21% more in Queens. It is estimated that the number of pedestrian fatalities and serious injuries have had a comprehensive cost reaching almost \$2 billion in New York City.

Of the 88 pedestrian fatalities in the first nine months of 2024, 88% were at intersections with no “daylighting” for pedestrian protection (See NOTE 3).

Sammy’s Law

Sammy’s Law gave the City of New York the authority to lower speed limits to 20 mph on streets across the five boroughs. While speed limit reductions are underway, the DOT has not expedited the scope of speed limit reductions on city streets.

In the first three quarters of 2024 89% of pedestrian fatalities occurred on streets that were eligible for speed reductions but have not been implemented by the city. Known as Sammy’s law, authority to reduce speeds on New York city streets was passed by the state legislature in 2024.

Contributing Factors

Perception: Successfully crossing the street requires accurate perception of traffic flow, including the speed and direction of vehicles.

Motor Control: Efficient motor control is needed to make quick and precise movements while crossing.

Cognitive Functions: Cognitive abilities like attention, decision-making, and risk assessment are crucial for navigating street crossing situations.

Traffic Conditions: Street crossing can be more challenging in areas with high traffic volume, vehicle speed, or wide road width.

Age: Older pedestrians may experience difficulties of all sorts. These potentially increase their risk of involvement in an accident with a vehicle.

Crossing the Street Safely

Stop and carefully look left, right, and then left again to assess traffic flow.

Do not run or hurry across the street.

Use designated crossings: Pedestrians should use designated crosswalks, which provide a safer area to cross.

Pay attention: Avoid using distractions like mobile phones and headphones or even talking to others while crossing.

Make eye contact: While crossing, pedestrians can make eye contact with drivers to ensure they are aware of the pedestrian's presence.

Be aware of traffic: Continue to watch for traffic while crossing, even if you have seen no vehicles before entering the street.

Word of the week

cathexis

noun

ca·thex·is kə-'thek-səs
plural cathexes kə-'thek-, sēz

1. investment of mental or emotional energy in a person, object, or idea

Examples of *cathexis* in a Sentence:
Dependency and *cathexis* are also incredibly painful and difficult to extricate yourself from.
There’s a word for this loss of self in devotion: *cathexis*.

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<https://www.nyc.gov/html/dot/downloads/pdf/kappock-street-may2016.pdf>

Vision Zero DOT

Cops: MTA bus driver missed stop sign in fatal crash

Posted March 22, 2022



An MTA express bus shoots around the corner at the intersection of Kappock Street and Johnson Avenue, the Spuyten Duyvil intersection where political activist Ruth Mullen was killed last September. Lawmakers have since pushed for the city’s transportation department to install a traffic light, and make other safety improvements there.

By SACHI McCLENDON

The driver whose bus struck and killed political activist Ruth Mullen in Spuyten Duyvil last September did not come

to a full stop at a stop sign prior to the accident.

At least that’s what prosecutors say video surveillance footage reveals in the criminal case against Dwayne Campbell. He’s been charged with a misdemeanor for failing to yield among other offenses — crimes that could carry jail time.

Campbell was turning his BxM1 bus left onto Johnson Avenue from Kappock Street the evening of Sept. 7 when he ignored the stop sign there, according to a criminal complaint shared with *The Riverdale Press* by the Bronx district attorney’s office. That’s when the bus hit Mullen, continuing to make its turn until another passerby flagged him down.

Mullen had been crossing Kappock, a short distance away from the building where she and her husband Jim made their home. Mullen, 68, died at the scene.

Campbell's arrest on the misdemeanor charge of failing to yield to pedestrians with the right of way was made after a 2014 city law that criminalized such an action.

Campbell was charged with not only failure to yield to a pedestrian with the right of way, but also failure to stop at a stop sign and failure to use due care. If convicted of not yielding to a pedestrian, Campbell could face a \$250 fine, up to 30 days in jail, according to city code.

Police say Campbell tried to explain to them what happened on the scene,

“I’m the driver,” Campbell told New York Police Department officers from the 50th Precinct, according to the report. “I missed the stop. The passenger told me to not stop at this stop, but to go to the next one. That’s why I kept going.”

Mullen’s death created a large outpouring of support for Jim and their daughters, Lia and Maya. Many — including lawmakers like Councilman Eric Dinowitz — pushed to install a traffic light on Kappock and Johnson, something Mullen had fought to get for years.

Craig Cipriano, the interim president of New York City Transit, called Mullen’s death “heartbreaking” at the time.

“We won’t rest until the facts and cause are determined,” Cipriano said. “And we are fully cooperating with the NYPD investigation.”

Mullen had made a name for herself locally after the election of Donald Trump in 2016 thanks to her strong political activism. She not only volunteered as a poll worker, but she also campaigned for underdog politicians, like Alessandra Biaggi who unseated Jeffrey Klein from his state senate seat in 2018.

Mullen also was a member of the Riverdale Huddle, a local political group known for its regular gatherings at local eateries, and for writing letters to the editor featured in *The Press*.

“Alessandra told me that she wouldn’t have been elected without Ruth,” Jim, Mullen’s husband, told *The Press* shortly after she died. “When Alessandra was trying to decide whether or not to run, she met with the Huddle. And I remember Ruth getting back that day and saying, ‘She’s the one. She’s the one to do it.’ And she just threw all of her support behind her.”

Police arrested Campbell three months later. A judge released him on his own recognizance as his case makes its way through the Bronx criminal court.

Michael Armienti, Campbell’s attorney, declined to comment.

The city council passed a law in 2014 creating criminal penalties for drivers who strike a pedestrian or cyclist in the right

of way. Since then, several Metropolitan Transportation Authority bus drivers have been arrested, including one in 2018 who struck and killed an elderly woman as she crossed Bay Parkway in Brooklyn.

The transport workers union fought the legislation, saying it unfairly targeted bus operators who are behind the wheel at much higher rates than the average driver.

The MTA declined to comment on whether Campbell was still employed by the agency or if it was conducting an internal investigation into the matter.

The intersection of Kappock Street and Johnson Avenue is notoriously difficult to navigate, with the two streets intersecting on a steep curve. At least 10 people — including Mullen — have been injured or killed there since 2011, according to city data.

Shortly after Mullen’s death, raised plastic curbs were installed at the intersection. And in January — following years of pressure from transit advocates and community members — the city’s transportation department announced it would install a traffic light there.

Yet, Jim Bradley told *The Press* last year the improvements weren’t enough.

“If I just put up one of my cameras there and just did a time-lapse or just recorded every car that goes through there — (there would be) hundreds of violations,” Bradley said.

Campbell is due back in court next week.