THURSDAY, SEPTEMBER 21, 2023 ~ VOL. CCLXXXII NO. 69

**DJIA** 34440.88 ▼ 76.85 0.22%

NASDAQ 13469.13 ▼ 1.5%

**STOXX600** 460.66 ▲ 0.9%

**10-YR. TREAS.** ▲ 5/32, yield 4.346%

**OIL** \$90.28 ▼ \$0.92

**GOLD** \$1,945.60 ▲ \$13.60

# What's News

#### Business & Finance

- ◆ Fed officials voted to hold interest rates steady at a 22-year high and revealed a divide over whether they should raise rates once more this year, with most leaning toward another increase. A1 Major U.S. stock indexes fell after the central bank's pause on interest rates, with the S&P 500, Nasdaq and Dow dropping 0.9%, 1.5%
- ◆ The U.K.'s annual rate of inflation fell for a third straight month in August, increasing the likelihood that the Bank of England may soon pause a series of increases in its key interest rate. A18

and 0.2%, respectively. B1

- ♦ High borrowing costs and a shortage of properties for sale have slowed home buying by big landlords, limiting their ability to grow at the same time suburban rents are climbing. A1
- ◆ The FTC disclosed new details in its lawsuit against Amazon involving an alleged scheme to enroll customers unwittingly in the company's Prime program. **B1**
- ♦ Marketing-automation platform Klaviyo saw its shares rise 9.2% in their debut on the NYSE. B1
- ◆ FedEx's quarterly profit rose despite a drop in revenue, as the shipping giant continues its extensive cost-cutting efforts amid slumping demand. B3
- ♦ General Mills posted higher sales in its latest quarter, during which it said inflation and supply-chain pressures eased. B3
- **♦ Amazon demonstrated** a chattier and less-scripted interaction with Alexa powered by generative Al at its HQ2 offices in Virginia. B4

## World-Wide

- ◆ Israeli officials are quietly working with the Biden administration on a polarizing proposal to set up a U.S.-run uranium-enrichment operation in Saudi Arabia as part of a complex three-way deal to establish official diplomatic relations between the two Middle Eastern countries, according to U.S. and Israeli officials. A1
- ♦ The Biden administration has agreed to make roughly 470,000 Venezuelan migrants eligible for work permits in a concession to New York City Mayor Eric Adams aimed at easing the financial strain on major migrant destinations. A3
- ◆ Armenian separatists in Na gorno-Karabakh agreed to disarm and discuss reintegration with Azerbaijan following a swift but deadly assault by Azeri forces, a capitulation that signals the end of decades of ethnic-Armenian rule in the enclave. A18
- monthslong blockade to confirm the incoming chairman of the Joint Chiefs of Staff and was on track to approve the top generals in charge of the Army and Marine Corps. A4
- ◆ Attorney General Merrick FGarland stressed the indeg pendence of the Justice De-partment's criminal case g against Hunter Biden, as Renublicans accused him during a combative congressional hearing of showing leniency toward the son of the presi-
- ◆ The White House said the U.S. is in "verv active" discussions aimed at securing the release of jailed Wall Street Journal reporter Evan Gershkovich, but warned that freeging him could be difficult. A8

dent who appointed him. A6

CONTENTS Business News.. B3,5 Capital Account.... A2



# Fed Stands Pat but Keeps Hike in Play

Officials are split on one additional rate increase this year, with 12 of 19 in favor

By NICK TIMIRAOS

WASHINGTON-Federal Reserve officials voted to hold interest rates steady at a 22-year high and revealed a divide over whether they should raise rates once more this year, with most leaning toward another in-

crease. Fed Chair Jerome Powell said that officials didn't need to decide yet whether to lift rates again after a historically rapid series of increases over the past 18 months and as they await evidence that a recent inflation slowdown can be sus-

"Really, what people are saying is, 'Let's see how the data come in," he said at a news conference Wednesday. "They want to be convinced. They want to be careful not to jump to a conclusion.

Fed officials also indicated they expect to keep rates higher for longer through 2024 than they anticipated earlier

Stock markets slid after the meeting, with the Dow Jones Industrial Average down 77 points, or 0.2%, and the S&P 500 sliding 0.9%. Yields on the two-year Treasury note rose to 5.118%, the highest since 2006. Fed officials lifted their

benchmark federal-funds rate at their previous meeting in July to a range between 5.25% and 5.5% to combat inflation by slowing economic activity. They began increasing rates from near zero in March 2022.

Projections released at the conclusion of the Fed's two-day policy meeting showed 12 of 19 officials favor raising rates one

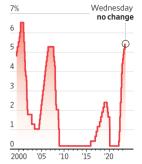
more time this year, while seven think they can leave them unchanged. They meet next on Oct. 31-Nov. 1 and again in December. "The fact that we've come

this far lets us really proceed carefully," Powell said. He used those words-"proceed carefully"—six times during Wednesday's news conference, a sign of heightened caution about lifting rates.

"He didn't sound to me like he was itching to hike again," Please turn to page A2

♦ Rate-sensitive tech stocks

#### Federal-funds rate target



Note: Midpoint of range since 2008 Source: Federal Reserve via St. Louis Fed

# Plundered Art Returned to Heirs of Nazi Victim





JUSTICE: Art by Egon Schiele an Austrian Jew killed at Dachau and whose collection was stolen by the Nazis. A2



# The Billionaire Keeping TikTok on Phones

Jeff Yass made a big bet on the app, and he's a top donor to lawmakers who support it

By John D. McKinnon and Stu Woo

WASHINGTON-TikTok had hardly any friends in government earlier this year as the Biden administration, Congress and state legislatures were threatening to ban the Chinese-owned video giant.

TikTok now has many more friends, with something in common: backing from billionaire financier Jeff Yass. They've helped stall attempts to outlaw America's

most-downloaded app.

Yass's investment company, Susque-hanna International Group, bet big on TikTok in 2012, buying a stake in parent company ByteDance now measured at about 15%. That translates into a personal stake for Yass of 7% in ByteDance. It is worth roughly \$21 billion based on the company's recent valuation, or much of his \$28 billion net worth as gauged by Bloomberg.

Yass is also one of the top donors to the Club for Growth, an influential conservative group that rallied Republican opposition to a TikTok ban. Yass has do nated \$61 million to the Club for Growth's political-spending arm since 2010, or about 24% of its total, according

to federal records. Club for Growth made public its opposition to banning TikTok in March, in an

Please turn to page A10

# Israel Mulls Accepting Saudi Nuclear Enrichment

By Dion Nissenbaum AND DOV LIEBER

Israeli officials are quietly working with the Biden administration on a polarizing proposal to set up a U.S.-run, uranium-enrichment operation in Saudi Arabia as part of a complex three-way deal to es-tablish official diplomatic relations between the two Middle Eastern countries, according to U.S. and Israeli officials.

Prime Minister Benjamin Netanyahu of Israel directed top Israeli nuclear and security spe-cialists to cooperate with U.S. negotiators as they try to reach a compromise that could allow Saudi Arabia to become the second country in the Middle East, after Iran, to openly enrich uranium, the officials said.

The U.S. and Saudi Arabia have been negotiating the contours of a deal for Saudi Arabia to recognize Israel in exchange for helping the kingdom develop a civilian nuclear program with uranium enrichment on Saudi soil, among other concessions. Other aspects of the evolving deal are expected to include concessions for the Palestinians and U.S. security guarantees.

If Saudi Arabia agrees to establish diplomatic relations with Israel, it would pave the way for other Arab and Mus-lim nations to follow suit, effectively ending decades of ostracism for the Jewish state founded in 1948.

While neither the U.S. nor Israel has so far agreed on a plan that would allow uranium en-Please turn to page A7

◆ Biden-Netanyahu meeting focuses on Saudi ties..... A7

# CEO's Exit **Followed** Groping Complaint

By EMILY GLAZER AND THEO FRANCIS

Kiwi Camara, a Harvard Law School prodigy turned technology entrepreneur, drew attention last week when he resigned from software supplier CS Disco, walking away from stock options once valued at nearly \$110 million.

Current and former employees now say he abruptly quit as chief executive after the small company's board began investigating allegations that he groped a young female employee.

The alleged incident, at a Sept. 6 dinner with staff, triggered an investigation by outside lawvers, some of the employees said. It came over a ear after a CS Disco employee had made a complaint about Camara's behavior around young female employees.

Camara didn't respond to

requests for comment. Please turn to page A8

# **INSIDE**







**BUSINESS & FINANCE** 

AB InBev agrees to stop cutting the tails off Budweiser Clydesdales, **B1** 

# Hard-Core Sleepers Obsess Over Their Snoozing Stats

Rest is now a sport, with spreadsheets and efforts to conk out...the competition

By Alexander Saeedy

What if sleep isn't just our body's way to repair and re-energize, but a game we are

playing to win?
Sound like a bad dream? Maybe. But for millions, chasing winks with the latest sleep-measuring technology

has become a nighttime sport, complete with sleep scores and strategies on how to best sack the competition. Some people are even, well, losing sleep about whether they are sleeping up to their full poten-Mike Skerrett, a 27-year-old

Please turn to page A10

# Big U.S. Landlords Struggle to Identify **Homes Worth Buying**

By Ryan Dezember

It isn't just regular Americans who are having trouble buying houses these days.

High borrowing costs and the shortage of properties for sale have slowed home buying by Wall Street's rental giants as well, limiting their ability to grow at the same time sub-urban rents are climbing.

The big landlords' computers are still poring over list-ings, scanning for houses they can buy and turn into rentals. But financing has become expensive even for them, and competition is fierce from people willing to pay up for the few homes hitting the market. Prices have pushed past what big landlords, including AMH and Invitation Homes, can pay and still meet profit targets.

There has rarely been a better time to own tens of thousands of single-family rentals. Record home prices, the highest mortgage rates in a generation and limited properties for sale are pushing

homeownership beyond the reach of many people and leave plenty of room for rents to rise and still be cheaper than owning, analysts said.

Wall Street stock pickers expect shares of AMH and Invitation to break from their recent range and race ahead of the broader market. But the acceleration could sputter if the firms are unable to add to their rent rolls.

"We write hundreds of offers every week at price points that we'd be willing to transact at," Invitation Chief Executive Dallas Tanner told investors this summer. "We're striking out quite a bit."

Landlords with 1,000 properties or more accounted for 0.4% of U.S. home purchases during the second quarter, down from a peak of 2.4% in late 2021, according to John Burns Research & Consulting.

Suburban America's megalandlords have seldom accounted for such a small share of the market since they Please turn to page A6



CAPITAL ACCOUNT | By Greg Ip

# U.S. Labor's Real Problem: Productivity

or the United Auto Workers, it makes perfect sense to demand more pay and better work-life balance from Detroit's three automakers. After all, workers throughout this historically tight labor market are getting exactly that.

But what makes sense to striking factory workers makes no sense for manufacturing as a whole. Pay is ultimately tied to productivity: the quantity and quality of products a company's workforce churns out. And here, U.S. manufacturing companies and workers are in trouble. The issue isn't with labor-intensive products such as clothing and furniture, which largely moved offshore long ago. It's in the most advanced products: electric cars and batteries, powergeneration equipment, commercial aircraft and semicon-

President Biden might be celebrating a manufacturing renaissance based on new factories, but the share prices of Ford Motor, Intel, **Boeing** and **General Electric** suggest skepticism is warranted: All are at a fraction of all-time highs.

Yes, American companies lead the world in design and innovation, but the resulting products increasingly are made abroad, especially in Asia. Biden, like Donald Trump before him, wants to reverse this, through tariffs, subsidies and other govern-ment interventions.

But attributing manufacturing performance to government policies alone underplays how far Asian manufacturers have come in cost and quality and how far their American counterparts have slipped.
Since 2009, manufacturing

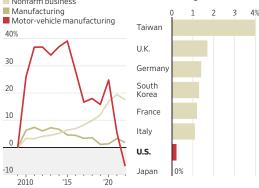
output per hour in the U.S. grown just 0.2% a year, well below the economy as a whole and peer economies in Europe and Asia, except Japan. In motor-vehicle manufacturing, the picture is especially bad: From 2012 through last year, productivity plummeted 32%, some of that no doubt due to pandemic disruptions.

o say American workers aren't productive enough isn't to say it's their fault; after all, productivity depends on a multitude of factors, including manage ment decisions, the supply chain, public infrastructure and regulation.

Nonetheless, workers' fates are inextricably tied to how these factors in combination perform, and for the UAW,

Change in U.S. labor Manufacturing productivity growth 2009-2022 productivity since 2009 (annual average)

U.S. NEWS



Sources: Labor Department (U.S. labor and manufacturing productivity); OECD (U.K., Germany, France, Italy); CEIC Data (Taiwan, South Korea, Japan)

they have performed badly. The Detroit Three-Ford, General Motors, and Stellantis—have been losing market share to other brands and to nonunion U.S. plants. They account for just two of the 10 most dependable brands ranked by J.D. Power. In electric vehicles, they are far behind Tesla, whose highestoutput plant and main export base is in Shanghai.

Warehouses and hospitals can pass on the cost of higher wages and reduced hours without being undercut by foreign competitors.

Manufacturers can't. That's why Detroit is recoiling at UAW demands.

Labor presents problems other than just cost, such as the shortage of skilled workers. "They find desirable candidates, they hire them, they train them, they don't retain them," said Jim Schmidt, an automotive expert at consultants Oliver Wyman. "That can lead to large ef-

fects on productivity, quality and culture," Schmidt said. U.S. manufacturing prob-

lems go much further than autos. Since its top-selling

737 was grounded by crashes in 2018 and 2019, production problems have left Boeing far behind Europe's Airbus. Boeing's 787 Dreamliner has been plagued by quality defects. Since the pandemic, Boeing has experienced "a crisis of loyalty among its workforce" with high turnover compounding supply chain problems, said Michel Merluzeau of AIR, an aerospace advisory firm.

n semiconductors, U.S. companies still dominate design, while steadily ceding production to Asia. Intel is the last major U.S. firm that both designs and makes chips, but its manufacturing capabilities have fallen far behind Taiwan Semiconductor Manufacturing Co. Today, none of the most advanced chips are made in the U.S.

This is a national security threat that the Trump and Biden administrations have sought to correct by persuading TSMC, in part through subsidies authorized by the Chips and Science Act, to build two semiconductor fabrication plants in Arizona.

Whether those fabs will be as productive as those in Taiwan depends crucially on management and labor. Burn Lin, a former vice president of research and development at TSMC who is now dean of the college of semiconductor research at National Tsing Hua University in Taiwan, said it isn't enough to have the most sophisticated tools. He said employees must know how to interpret thousands of measurements and monitor the tool just the right number of times.

Getting this right often depends on culture, training and learning-by-doing. TSMC has had a fab in Washington state since the 1990s, and its yields are still lower than at the equivalent fabs in Taiwan, Lin said. A TSMC spokeswoman said yields are comparable.

Even constructing a fab's clean room involves pouring concrete and welding pipes in just such a way to avoid tiny imprecisions, Lin said. why TSMC is seeking to bring several hundred workers from Taiwan to Arizona to aid in the construction. Local trade unions have objected, saying this contradicts the Chips Act's goal of creating local employment.

Unions need to accept they're not yet up to the job. "Everyone loses the skills they don't practice," Kevin Xu wrote recently on his China-focused blog, Interconnected.

# U.S. WATCH



DAWN WORKOUT: Early risers exercise at a South Portland, Maine, park on Wednesday.

**NEW YORK** 

#### Artworks Stolen By Nazis Returned

Several prominent museıms and art collectors have re turned artwork by Austrian expressionist Egon Schiele to the family of a Jewish cabaret performer who owned them before he was killed by the Nazis.

The seven pieces of artwork were returned to the heirs of Fritz Grünbaum, an Austrian who was murdered in the Dachau concentration camp in Germany, the Manhattan district attorney's office said Wednesday. The Nazis stole hundreds of pieces of art owned by Grünbaum, it said.

The Museum of Modern Art, the Ronald S. Lauder Collection, the Morgan Library & Museum, the Vally Sabarsky Trust, and the Santa Barbara Museum of Art agreed to return the works after prosecutors presented evidence the art was stolen by Nazis, the

-Joseph De Avila

#### **Epinephrine Spray Denied Approval**

The Food and Drug Adminstration declined to approve ARS Pharmaceuticals' epinephrine nasal spray and asked the company to submit more data proving the medication is safe and effective, according to the company.

Shares of ARS Pharma closed down 56% Wednesday.

ARS Pharma said it had expected the FDA to approve rolling out its spray, called Neffy, to the market. Neffy was designed to help people experiencing severe allergic reactions receive a jolt of epinephrine, a synthetic version of adrenaline, without a needle.

An FDA spokeswoman said the agency doesn't share details of ongoing applications. An FDA advisory panel

had recommended approval. The leading epinephrine medicine is EpiPen, which is

injected with a needle. -Alyssa Lupkat OHIO

## **Train-Accident** Official Appointed

President Biden issued an ecutive order Wednesday appointing a federal disaster coordinator to oversee longterm recovery efforts follow-ing the fiery derailment of a Norfolk Southern train that re leased toxic chemicals in East Palestine, Ohio, in February.

The executive order will direct the Federal Emergency Management Agency to name a coordinator to oversee a comprehensive assessment of any unmet needs that haven't been addressed by Norfolk Southern and would qualify for federal assistance.

Norfolk Southern has estimated that its response to the derailment will cost more than \$800 million to remove all the hazardous chemicals, help the community rebuild and respond to lawsuits connected to the accident. The cleanup is still under way.

# Fed Keeps Key Rate **Unchanged**

Continued from Page One said Michael Feroli, chief U.S. economist at JPMorgan Chase. who thinks the Fed's July rate rise will be its last for the current cycle. "For Powell, he sounds like he's pretty comfortable where they are, sitting back, and watching things play

At other times, Powell has embraced the rate projections to signal more conviction about where rates are likely headed, but he didn't do

that on Wednesday. "Forecasters are a humble lot with much to be humble about," he said.

Compared with their last set of projections in June, officials appeared to be more confident

that they could bring inflation down to their 2% goal without a sharp economic slowdown, achieving a so-called soft landing. They saw a brighter outlook

for economic growth and hiring than they did in June, when officials projected a rise in the unemployment rate of a magnitude that has only occurred during a recession. They now see the unemployment rate, which was 3.8% in August, rising to 4.1% at the end of next year.

"This would be a beautiful outcome. You'd be in macroeconomic heaven," said former Fed governor Laurence Meyer, who

runs an economic advisory firm. While the forecast "looks optimistic, I basically agree with it," he said.

With economic activity ronger than anticipated, activity stronger most officials expected they would need to keep interest rates near their current level through next year. The median projection showed officials expect to lower the fed-funds rate to around 5% by the end of 2024, implying two rate cuts next year if they increase again this year. That is fewer than the four cuts they projected in

"They're worried about takously, but these forecasts are soft landing-adjacent," said Jan Hatzius, chief economist at Goldman Sachs.

**Projections** 

show 12 of 19

officials favor

one more rate

boost this year.

doesn't He think the Fed will raise rates again because he thinks inflation is likely to decline more in months than officials projected on Wednesday. Fed officials'

projection for annual core inflation, which excludes volatile food and energy prices, edged down to 3.7% for the fourth quarter. They see it falling to 2.6% next year. The Fed targets 2% inflation on av-

Since officials' July meeting, inflation has shown more evidence of a broad-based decline. Wall Street forecasters estimate that core prices rose at a mild pace for a third straight month in August, as measured by the Fed's preferred gauge. They estimate that could lower the 12-month core inflation rate to 3.8% in August's reading. Labor markets, meanwhile,

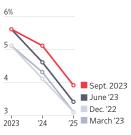
have shown signs of softening somewhat. The share of workers who are quitting their jobs-often a sign of bargaining power as employees leave for higher pay elsewhere—eased in July and is returning to prepandemic levels.

Several Fed officials have been reluctant, however, to call an end to rate rises. Solid economic growth has defied economists' expectations that it would sag this year, raising questions over whether policy has been as restrictive as officials thought it was

Some worry that firmer economic activity and rising prices for oil and freight transportation could lead recent declines verse, requiring higher rates. They fear ending hikes only to discover in coming months that they didn't go far enough. It could be particularly disruptive if financial markets conclude inflation and interest rates had flattened out only to learn the opposite.

"If they want to stop, they'd probably be more comfortable with one more increase," said

#### Federal-funds rate target projections by date of policy meeting



Note: Shows median projections Source: Federal Rese



Fed Chair Jerome Powell used the words 'proceed carefully' six times during Wednesday's news conference.

should raise rates at its next meeting. "Why drag it out. Get it over with," he said.

Signs that the economy isn't slowing have pushed up the yield on the 10-year Treasury note, which has traded this week at its highest yields since 2007. Those market-determined rates influence an array of borrowing costs, including mort-

The increases, in effect, do much of the work that a Fed rate increase would be intended to achieve by further reducing demand for rate-sensitive purchases such as houses and cars.

rate mortgage hit 7.31% last week, matching its highest level since December 2000, according to the Mortgage Bankers Association. Nearly one in six home purchases fell apart before closing last month, realestate brokerage Redfin said last week. That is the highest share in nearly a year and up from a traditional level of around one in eight.

Many Americans are taking little comfort from the inflation slowdown because the run-up in the price of everything from cars to restaurant meals to housing since 2021 has been abnormally large.

While prices for clothing and other retail merchandise have declined somewhat over the past year, prices on gro-cery aisles aren't going to fall, said Walmart CEO Doug Mc-Millon at an investor conference last week.

"When this is all said and done, there has been a bit of rebalancing as it relates to higher wages in the country. McMillon said. "Inflation and higher prices are kind of with us." We'll see" slower price growth, but prices won't go back to where they were before the pandemic anytime soon, he said.

# —Ken Thomas CORRECTIONS ざ

AMPLIFICATIONS

Designer Ashley Macuga lives in San Carlos, Calif. An Off Duty article on Saturday about home-office design incorrectly said she lives in New Orleans, Also, the last name of Jessica Holtam, who styled an office pictured with the article, was misspelled as Hotlam in a credit.

Readers can alert The Wall Street Journal to any errors in news articles by emailing wsjcontact@wsj.com or by calling 888-410-2667.

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Editorial and publication headquarters: 1211 Avenue of the Americas,

New York, N.Y. 10036 Published daily except Sundays and general legal holidays. Periodicals postage paid at New York, N.Y., and other mailing offices.

Postmaster: Send address changes to The Wall Street Journal, 200 Burnett Rd, Chicopee, MA 01020.

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# Around 470,000 Venezuelans To Be Eligible for Work Permits

By MICHELLE HACKMAN

WASHINGTON—In a significant concession to New York City Mayor Eric Adams and other blue-state officials, the Biden administration has agreed to make roughly 470,000 Venezuelan migrants eligible for work permits aimed at easing the financial strain on major migrant destinations.

Venezuelans who arrived in the U.S. by July 31 will be eligible for the program, known as Temporary Protected Status. It offers them deportation protections and the ability to work legally for at least 18 months.

"It is critical that Venezuelans understand that those who have arrived here after July 31, 2023, aren't eligible for such protection, and instead will be removed when they are found to not have a legal basis to stay," Homeland Security Secretary Alejandro

Mayorkas said in a statement.
TPS for Venezuela had become a top ask for blue-state officials, who saw it as a shortcut around the law prohibiting asylum seekers from receiving a work permit for at least six months after submitting anythms applications.

ting an asylum application.
Until now, top officials with
the White House and Department of Homeland Security
had refused to consider that
option, arguing behind closed
doors that such a move would
ultimately serve as a draw for
even more migrants, according to people familiar with
their conversations.

Adams and officials in

other cities who have received large migrant populations, including Washington, D.C., Chicago and Boston, argue that immediate access to a work permit would allow migrants to move out of city-run shelters and support themselves.

Venezuelans have been a particularly challenging migrant demographic for the Biden administration because 7.1 million are currently living outside their country, most in neighboring nations, with more heading for the U.S. after exhausting other options in Latin America. The U.S. has virtually no ability to deport people to Venezuela because Washington has no diplomatic ties with the South American nation.

In addition, Venezuelans, more than previous waves of

migrants before them, are arriving in the country with no existing ties to family or friends who can take them in. That is why they have been especially attracted to cities such as New York, which are required by local law to offer them space in a homeless shelter if they request help. It isn't likely that granting

It isn't likely that granting Venezuelans TPS will have the effect Adams and other city officials hope for. Processing times for work permits vary but are currently taking anywhere from 10 to 18 months, according to government data. Also, the announcement will do little to solve similar issues for other large migrant populations in New York, including migrants from Ecuador, Peru and Colombia.

# FALL-WINTER 2023 COLLECTION



Ava. Chair, designed by Song Wen Zhong

rochebobois

# Wildfires Cut Cleaner-Air Gains

By Eric Niller

Pollution from recent wildfires has reduced—or in some states eliminated—decades of improvements in air quality across a swath of the U.S.

The air above the country has become significantly healthier since passage of the Clean Air Act in 1970, which limited industrial pollutants and vehicle tailpipe emissions. But increasing pollution from wildfire smoke has reversed or stalled air-quality improvements in 41 of 48 states, according to a new study published Wednesday in the journal Nature.

"It was surprising to us that many more states in the country were significantly influenced by wildfire smoke," said Marshall Burke, an author of the study and an associate professor of sustainability at Stanford University. "The influence is larger in the West, but it's still detectable throughout a lot of the country, throughout a lot of the Midwest, the South and

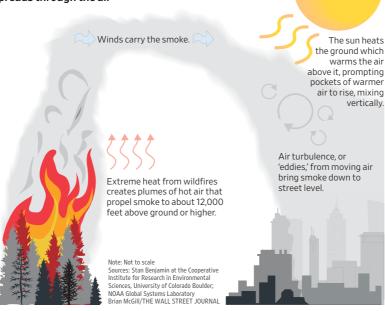
In 41 states, wildfire smoke has erased 25%—or about four years—of the air-quality progress made in previous decades. Western states such as Oregon, Washington and California have suffered the most.

The new study found that small airborne particles were declining before 2016 in all but seven states in the contiguous ILS

Wildfires are just one source of small particles of airborne pollution, known as PM2.5, for particulate matter less than 2.5 microns in size.

In comparison, a human hair is 20 to 30 times as large in diameter, according to the Envi-

How particulate matter from wildfires spreads through the air



ronmental Protection Agency. Other sources include fossil-fuelburning power plants, industrial facilities, vehicle tailpipe exhaust and dust from farmers' fields.

Particles from these emissions pass through the body's defenses and bury themselves deep in the lungs, where they can cause a variety of acute and chronic health problems., especially for vulnerable populations such as children, the elderly and those with pre-existing conditions

Burke noted that the study didn't include data from this year, when hundreds of Canadian wildfires poured smoke across much of the Northeast and Midwest for many weeks. In early June, New York City for several days reported the planet's worst air quality at that time as a result of the fires, while Chicago and Detroit experienced hazardous conditions a few weeks later.

few weeks later.
Adding data from this year's
Canadian fires "would just
make our results stronger,"
Burke said.

In August, the Centers for Disease Control and Prevention published two studies about the health impacts of the 2023 wildfires, which led to a surge in people with asthma visiting emergency rooms, especially in the New York area.

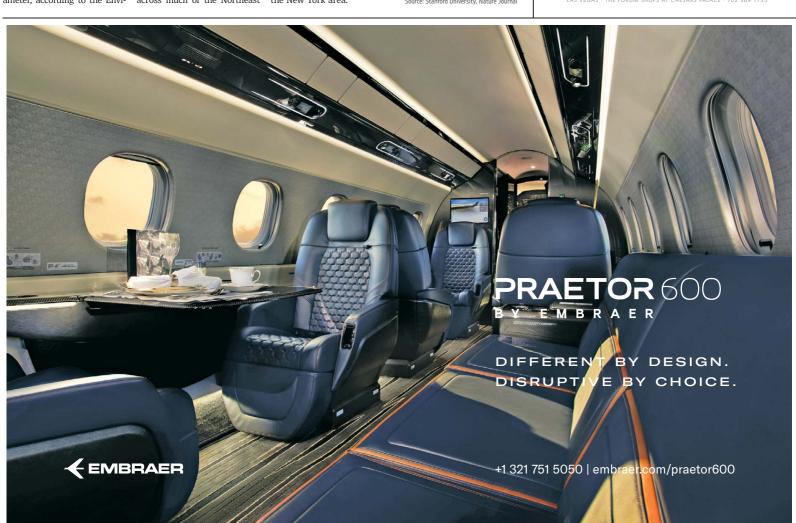
Average annual PM2.5 air pollution in the U.S.



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### U.S. NEWS

# McCarthy Sees Some Progress | Senate Confirms In Talks With GOP Dissenters

By KATY STECH FEREK AND SIOBHAN HUGHES

The big problem facing House Speaker Kevin McCarthy (R., Calif.) as he tries to win over a dozen or so holdout Republicans: It might be impossible to make enough of them happy to head off a government shutdown in about 10 days.

But another day of talks yielded signs of progress late Wednesday, with McCarthy saying that the chamber would take a procedural vote Thursday to advance a defense-appropriations bill that a small band of conservatives had derailed earlier this week. He also floated a new short-term stopgap bill meant to buy time past the Sept. 30 deadline to craft full-year bills.

"We are going to be voting tomorrow. Aren't you excited?" McCarthy said about voting on the rule for bringing the defense-appropriations bill to the floor. That is one of the 12 fiscal 2024 appropriations bills that both the House and Senate need to pass to fund the government.

A breakthrough came when two of the five Republicans who had cast a procedural vote against the appropriations bill earlier in the week—Reps. Ken Buck (R., Colo.) and Ralph Nor man (R., S.C.)—agreed to drop their opposition. Republicans have a 221-212 majority and can afford to lose no more than four votes in the House to advance legislation, if no Democrats cross party lines.

In a closed-door meeting of House Republicans, McCarthy proposed advancing a short-term continuing resolution at the \$1.471 trillion annual rate sought by conservatives, wrapping into that package the bulk of House Republicans' border-security bill and tacking on the creation of a debt commission. It wasn't clear if McCarthy had the votes to drive that



Rep. Don Bacon (R., Neb.) dubbed his hard-line Republican colleagues the 'dysfunction caucus.'

#### White House Officials Warn of Shutdown Consequences

Long lines at airports Delayed food-safety inspections. Halted infrastructure projects. Military personnel working without pay.

These are just some of the potential consequences if the federal government partially shuts down next month, according to

the White House, where officials weighed in publicly for the first time Wednesday on the fallout from a shutdown.

Some Republican lawmakers also worried about the political fallout.

"I think all of you know, I'm not a fan of government shutdowns," Senate Minority Leader Mitch McConnell (R., Ky.) said this week. "I've seen a few of them over the years, they never have produced a policy change and they've always been a loser for Republicans

—Andrew Restuccia

bill through the House.

"We're very close there," McCarthy said. "I feel I just got a little more movement to go." Standing in the way of legis-

lation is a group of lawmakers focused on cutting government spending but wielding other demands as well, some of which aren't shared by other Republicans—such as ending aid to Ukraine. The impasse has led many lawmakers to call a shutdown inevitable, and sparked talk that McCarthy

may have to reach out to Demo crats to pass any spending bill. Moderate Rep. Don Bacon

(R., Neb.) has dubbed his hard-line colleagues "the dysfunction caucus." He put their numbers at five to 10 members, saying the group's makeup changes from vote to vote. Bacon is a member of the bipartisan Problem Solvers Caucus, which is trying to devise a backup plan to keep the government funded if McCarthy's efforts fail.

Lawmakers are pursuing a

series of disparate demands. Rep. Victoria Spartz (R., Ind.), who is retiring after this term, wants McCarthy to commit to a debt commission to study how to "address our looming fiscal catastrophe." Rep. Andrew Clyde (R., Ga.) said he would oppose any temporary funding bill that doesn't end "the woke policies that con tinue to undermine our military's combat readiness.

-Lindsay Wise contributed to this article.

# Joint Chiefs Pick

By NANCY A. YOUSSEE

WASHINGTON—The Senate sidestepped a monthslong blockade to confirm the incoming chairman of the Joint Chiefs of Staff and was on track to approve the top generals in charge of the Army and Marine Corps as well.

But hundreds of other senior officers' promotions remained frozen in a political battle over the Pentagon's abortion policy.

The Senate late Wednesday

voted 83-11 to confirm Air Force Gen. C.Q. Brown, the current chief of staff of the Air Force, as the next chair-man, to succeed Army Gen. Mark Milley, whose term expires Sept. 30.

In addition, senators were set to vote Thursday to confirm Army Gen. Randy George as the next chief of staff of the Army and Marine Corps Gen. Eric Smith as commandant. George's predecessor, Army Gen. James McConville, was statutorily required to retire in August, and George, the current vice chief of staff, has led the Army in an acting role. Smith has been the acting commandant since July when Gen. David Berger was also re-

quired to step down. Sen. Tommy Tuberville (R., Ala.) started blocking the promotions for hundreds of military generals and admirals earlier this year, vowing not to let the Senate expedite their confirmations until the Pentagon agreed to end its policy of allowing troops leave and travel funds for reproductive healthcare, including abortion.

Tuberville has said he won't lift his hold on the promotions until the military changes its policy or Congress passes a measure codifying the policy.

On Wednesday, he stressed that his hold is still in place, in a speech on the Senate floor. "The hold will remain in place, as long as the Pentagon's illegal abortion policy remains in place," Tuberville said.

Senate Majority Leader Chuck Schumer (D., N.Y.) teed up the votes on Brown, George and Smith after Tuberville said he planned to use a procedural maneuver, known as a cloture petition, to force a vote on just Smith's nomination.

It is extremely rare for a rank-and-file senator, especially from the minority party. to use such a petition to call up a nomination for a vote.

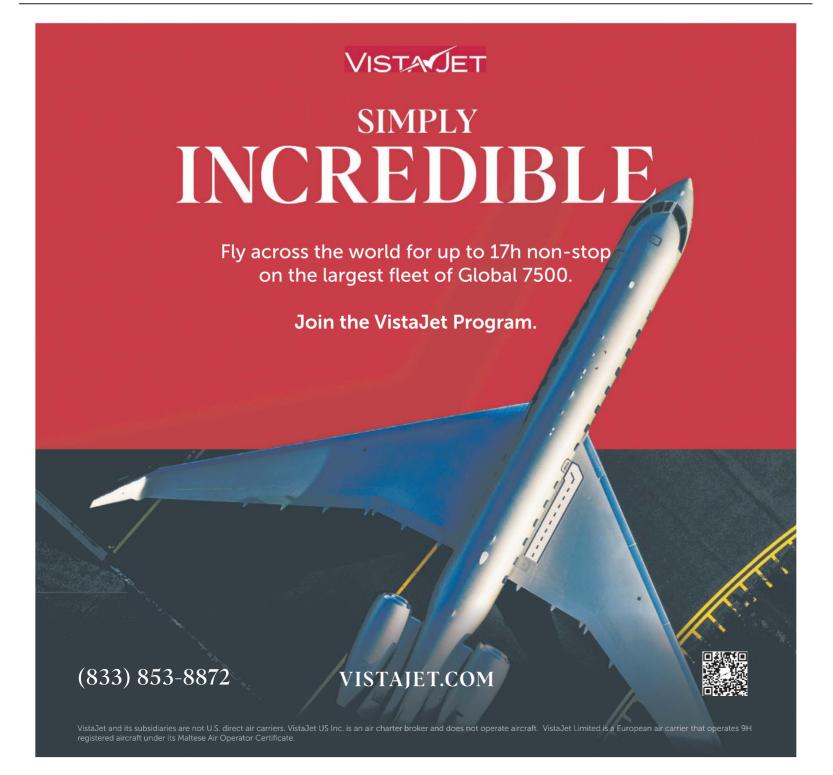
"These men should have albeen confirmed," Schumer said in announcing the votes on Brown, George and Smith on Wednesday. "The Senate should not have go through procedural hoops just to please one brazen and misguided senator. But this is where we are."
While senators sometimes

put holds on Pentagon political appointees who have policy-making responsibilities, the Tuberville move broke with Senate tradition as it applies to career military officers who aren't responsible for making policy. It led to the first time in military history that several services didn't have a confirmed leader, and more than 300 generals and admirals are still awaiting Senate confirmation.

—Gordon Lubold contributed to this article.



Gen. C.Q. Brown



# Siebel Scholars Class of 2024

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# Garland Fends Off GOP on Hunter Biden Case

Republicans accuse attorney general of showing leniency to president's son

By Sadie Gurman

WASHINGTON—Attorney General Merrick Garland stressed the independence of the Justice Department's criminal case against Hunter Biden, as Republicans accused him during a combative congressional hearing of showing leni-ency toward the son of the president who appointed him. "I promised that I would

not interfere with this investigation," Garland repeatedly told lawmakers during a hearing Wednesday before the House Judiciary Committee, where Republicans pelted him with rapid-fire questions about the Justice Depart-ment's handling of the five-year-long probe into Hunter Biden. Over and over, Garland denied slow-walking or stymying the inquiry, saying he gave the prosecutor overseeing the case broad authority to handle it however he saw fit.

The roughly six-hour hearing took place as Republicans ramp up their impeachment inquiry into President Biden centering on the activities of his son, who was indicted on gun charges last week after the collapse of an earlier plea

Republicans have sharply criticized Garland over the de-



Attorney General Merrick Garland, center, told the House Judiciary Committee he hasn't interfered in the Hunter Biden case.

younger Biden, fueled in part by accounts of two Internal Revenue Service agents who have said Justice Department officials inappropriately interfered in the probe. Garland in August agreed to name the Trump-appointed Delaware U.S. attorney, David Weiss, as special counsel to continue the investigation after the plea deal fell apart.

Let me ask you, why has Justice Department dragged this investigation out for so long?" Rep. Mike John-

"President Trump appointed him...," Garland said before Johnson cut him off.

You're not answering the question! Is that standard procedure?" Johnson said. Garland said Weiss "knows how to conduct investigations, and I have not intruded or attempted to evaluate that."

Hunter Biden, 53 years old, intends to plead not guilty to the gun charges, his lawyer said. A judge on Wednesday denied his request to appear

by teleconference, and set his initial appearance for Sept. 26. Hunter Biden could still

face tax charges from Weiss, whose continued role in the case upsets GOP lawmakers.

"Now we get a special counsel, and who does the attorney general pick? David Weiss, the guy who let all that happen," said the committee chairman, Rep. Jim Jordan (R., Ohio).

Garland said he thought about the consequences of "trying to switch horses midstream" but reasoned that se lecting someone other than Weiss "would have greatly disrupted an investigation that was already ongoing." He said Weiss, until then, had never

asked for a change in status. House Democrats defended the Justice Department's inquiry, pointing to several letters from Weiss to lawmakers disputing that Garland had stripped him of any authority.

Republicans have "ignored our legitimate oversight responsibilities, and use their

stunt after another," ranking Democrat Rep. Jerrold Nadler of New York said, adding that GOP lawmakers were "desperate to find evidence for an absurd impeachment and desperate to distract from the mounting legal peril facing Donald Trump."

Special counsel Jack Smith has charged Trump with improperly withholding classified documents and separately conspiring to illegally overturn his 2020 election loss. Trump has pleaded not guilty in both cases and accused the Biden administration of trying to undermine him as he makes another bid for the White House.

Garland said the decision to indict Trump was entirely Smith's.

'There's one investigation protecting President Biden, and there's another one attacking President Trump," Jordan said. "The Justice Department's got both sides of the equation covered.'

Garland insisted that wasn't "I am not the president's lawyer. I will also add I am not Congress's prosecutor," said, adding later, "The Justice Department treats everyone alike, regardless of party.

—C. Ryan Barber contributed to this article.

#### Watch a Video



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# Trump Aims for Union Vote as Party's Rhetoric Shifts

By ALEX LEARY

AND JULIE BYKOWICZ

Enough union members voted for Donald Trump in 2016 to help him win the White House. Now, with nearly 13,000 auto workers on strike at three U.S. factories, the Republican former president is trying to set the stage for a sequel.

In Detroit next week, Trump plans to address hundreds of union workers, including those from the auto industry, as he attempts to siphon off support for President Biden, the selfdeclared most pro-union president in history. The two men are on track for a rematch of their 2020 battle as Trump holds a commanding lead over his GOP rivals.

Republicans have made gains among white, workingclass voters—a group that includes many in organized laprevious generations had voted mostly for Democrats. Meanwhile, support among Americans for organized labor is on the rise, polls show, making attacks on unions less politically attrac-

With Trump's populism leading the way, a new crop of Republican lawmakers are increasingly siding with workers over corporations they criticize for taking left-leaning stances on social issues and pursuing profits in China.

Trump has voiced support for the striking members of the United Auto Workers and urged them to pressure union leadership to endorse him, an unlikely prospect. Like other Republicans, he has chosen his words carefully, blaming the push by Biden and Democrats to promote electric vehicles. Auto workers fear the transition from gasoline-powered will lead to fewer jobs.

"He's hitting a chord with some union workers," Michigan State Rep. Mike McFall, a Democrat whose district includes part of Detroit, said of Trump. "There's this view that Democrats have moved away from being the party of the people and the workers. I don't personally believe that's true,



Striking United Auto Workers in Toledo, Ohio, this week

but it is a perception a lot of

eople have."

Biden has sided with the UAW-some of whose members walked off the job Friday at assembly plants in Michigan, Ohio and Missouri of three different automakers. He has promoted electric vehicles as good for the

environment and to spur domestic manufacturing as China has become an EV powerhouse.

The UAW backed Biden's 2020 presidential bid. It hasn't yet made a 2024 endorsement. UAW President Shawn Fain said Biden needs to address concerns about the auto industry's transition to all-electric vehicles, including worries about job security, pay and organizing.

So far Biden has resisted calls by Democrats in the states where the strikes are taking place to travel to the picket line.

Republican Sen. J.D. Vance of Ohio has expressed support for the workers, some of whom are on strike in his state. The walkout "offers the UAW an opportunity to safeguard their future against an existential threat: President Biden's forced transition to electric vehicles," he wrote in an opinion piece published Tuesday in the Toledo Blade.

Sen. Josh Hawley, a Republican in Missouri, another state where some UAW workers are on strike, said in a social-media post that "auto workers de-serve a raise."

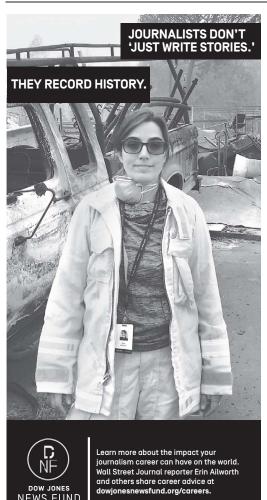
In 2016, Trump earned a level of support from union members that no Republican had reached since Ronald Reagan, exit polls show, helping him narrowly capture critical states such as Pennsylvania, Michigan and Wisconsin.

ences from seven years ago. Trump as president had a re cord of hurting unions and siding against workers, they argue And the labor movement itself has since become more robust and orderly, suggesting its leaders might have an easier time than in 2016 persuading members to vote for Democrats

Democrats point to differ-

"Trump trying to suggest he's on the side of union voters is laughable," said Steve Rosenthal, a Democratic political strategist in the labor movement for 40 years. "On every single front, his administration was about undermining workers and attacking unions."

As president, Trump pushed through tax breaks for corporations and made appointments to the National Labor Relations Board that unions say tipped rulings in favor of employers. Trump earned the support of the AFL-CIO for the renegotiated North American Free Trade Agreement, but he failed to get an infrastructure bill passed, something Biden achieved.



# Landlords Struggle to Find Homes

Continued from Page One emerged after the 2008 housing crash. Property moguls, private-equity firms and other big investors started out scooping up foreclosed homes on the courthouse steps, and when those ran out they took to the open market to buy more.

They ramped up purchasing after the Covid lockdowns—as did smaller investors-until about one in four homes sold in boomtowns such as Miami. Houston and Phoenix were being bought by someone who would never move in.

Sidelined landlords are a sign that the Federal Reserve might be closing in on the magic number for interest rates needed to shift the housing market down from overdrive and slow the breakneck spending that accompanies billowing property values.

Invitation, which owns about 83,000 houses, has been selling properties that have appreciated to the point that they are yielding less than 4% and putting the proceeds in the bank, where the cash is

earning more than 5%. Executives said they are amassing money to spend when pools of homes are offered by motivated sellers,

such as the property fund that

sold Invitation 1,870 houses in July for \$645 million. That was less than seller Starwood Real Estate Income Trust paid for the houses during the 2021 frenzy, according to securities filings and people familiar

with the matter.

Before that bulk purchase, Invitation had added just 470 from builders. It sold 675 in the first half and executives said they expect to sell more aggressively in the second.

AMH, formerly known as American Homes 4 Rent and owner of about 59,000 houses, was also a net seller during the first half of 2023. It sold nearly 1,100 while adding 780, mostly built in-house. AMH plans to build more than 2,200 houses total in 2023 and has bought land to add 13,000 more down the road. Yields are greater with houses that AMH builds

Share-price and index performance, past five years

■ AMH 100% S&P 500 Invitation 80 '21 2019 '20 '22 '23

specifically to rent than those it can buy, especially now that lumber prices have fallen back from their pandemic surge, CEO David Singelyn

told investors at a conference

The same dynamics that are to buy houses make it a great time to be renting them out.

"You can't paint a better backdrop for

pricing power for AMH and Invitation," said John Pawlowski, managing director at real-estate research firm Green Street. "The economy is still reasonably healthy so people are fully employed, wage growth is solid, but the barriers to homeownership are staggering.

Renting single-family homes has become much cheaper than financing purchases in the mar kets where the big landlords

operate, said Rick Palacios, director of re-83,000 Number of houses owned by rental company Invitation

search at John Burns Research Consulting. initely works in their favor right now, especially for entry-level buyers," he said. AMH's Singe-

estimates lyn that AMH's rents, which have averaged \$2,063 a month, could rise more than 30% before they reach the cost of buying comparable houses. "The reality is the rental-rate increases, as aggressive as they've been, have not kept up with home-price appreciation," he said.

Portion of U.S. home purchases made by landlords with 1,000+ houses, quarterly



Homes

# WORLD NEWS

# Iran Oil Exports Grow During Talks With U.S.

Washington backed off curbs ahead of the release of five American detainees

By Ian Talley AND COSTAS PARIS

WASHINGTON—The U.S. backed away from some actions meant to stop Iran's oil shipments as Washington and Tehran conducted negotiations that led to Monday's release of five Americans, part of a larger step back from sanctions enforcement that has seen Iran's energy exports grow, according to current

and former U.S. officials.

The release of the five Americans came days after the Biden administration issued a waiver for international banks to transfer \$6 billion in frozen Iranian money to Qatar from South Korea. The prisoners' return to the U.S. also follows months of rising Iranian oil shipments, including to China, Iran's biggest buyer, as Washington chose not to aggressively enforce the international sanc-tions regime, people familiar with the matter said.

There was no quid pro quo on sanctions for the detainees' release, those people said, but rather, an understanding on both sides to avoid actions that might increase tensions amid the negotiations. Those actions included Iran stopping its military from harassing or seizing foreign tankers in the Persian Gulf and the U.S. stepping back from seizing Iranian oil cargoes, officials familiar with the talks said.

President Biden took office pledging to revive the 2015 international nuclear pact with Iran in exchange for the removal of economic sanctions. The administration decided in November that the deal was dead, and has instead sought to negotiate limits on uranium enrichment.

Iran's energy exports have been rising over the past sevcials say suggests that the U.S. made a policy decision, even before the recent talks over detainees, to not aggressively enforce sanctions as it has sought to re-engage Iran at the negotiating table.

Iranian crude production has topped three million barrels a day and oil exports are approaching two million barrels a day, some analysts say. Those are the highest levels since the Trump administration pulled out of the nuclear accord in 2018 and reimposed sanctions that forced sales to around 400,000 barrels a day in 2020.

Crude shipments to Iran's

biggest buyer, China, have jumped to between 1.4 million and 1.6 million barrels a day this year, according to analysts and shipbrokers, from below one million a day last year. Officials in Beijing have generally dismissed unilateral U.S. sanctions as illegal. China's embassy in Washington didn't respond to a request for comment.



A Liberian-flagged oil tanker transfers crude oil from an Iranian-flagged one off Greece.

Iran's mission to the United Nations didn't respond to requests for comment. "The United States has

maintained strict compliance with all Iran related sanctions and has not lifted any sanctions, any allegations to the contrary are false," a spokesperson for the National Security Council wrote in a statement. "Over the last year alone, the United States has implemented several dozen separate Iran sanction-related tranches, including sanctions pertaining to the energy sector. In addition, we continue to vigorously engage with foreign partners to ensure they are complying with Iran-related sanctions."

Critics of the administration say that the U.S. isn't us ing all diplomatic tools, such as lobbying small nations that provide the certification tankers need to ship goods internationally. As a result, the ghost armada—a term the shipping industry uses to describe a fleet of aging, oftenuninsured tankers with no

known owners that are often used to move Iranian and Russian oil—had grown to more than 300 tankers from 60 three years ago, brokers and oil traders said.

The State Department said it was using all available tools to enforce sanctions. "We will not hesitate to take action against sanctions evaders, using all our available sanctions authorities," a spokesperson wrote.
"Our policy has not changed."

—Joe Wallace contributed to this article.

# Biden-Netanyahu Meeting Focuses on Israel-Saudi Ties

By Dov Lieber AND ANNIE LINSKEY

President Biden met with Israeli Prime Minister Benjamin Netanyahu on the sidelines of the United Nations General Assembly, the first time the two leaders have met since Netanyahu regained power late last year and established what is widely viewed as the most rightwing, ultranationalist and religiously conservative govern-ment in Israel's history.

Wednesday's meeting fo-cused on U.S.-led efforts to achieve a deal to normalize relations between Israel and Saudi Arabia, U.S. and Israeli officials said, which would be a significant foreign-policy achievement for the Biden administration and could reshape the Middle East.

The long-awaited meeting comes amid strained relations between the two leaders, as Netanyahu's government moves to overhaul the country's judicial system, a move that has divided Israelis and sparked mass protests for 37 weeks straight.
Biden has been publicly

critical of Netanyahu's plans to overhaul Israel's judiciary, urging him to seek a broad consensus. A senior administration official said the president reiterated his views in the private discussion.

Netanyahu says the overhaul is necessary to reign in an activist court.

Tensions have also been high as members of the Biden administration have refrained from meeting with key ultra-nationalist ministers in Netanyahu's government, including the finance minister.

Still, Biden reaffirmed his commitment to Israel. "Even where we have some differences, my commitment to Israel is ironclad," Biden said. "I think without Israel, there is not a Jew in the world who is

secure. I think Israel is essen-

The president also said the two planned to discuss "preserving a path to a negotiated two-state solution" with the Palestinians and that he wants to be sure that "Iran never, never acquires nuclear weap-

In his remarks, Netanyahu said that the two leaders have known each other for four de-

"Our friendship goes a long way and can take us a long way," he said. "We live at a time of great promise but also grave danger.

Despite strained ties, Ne-

tanyahu and Biden have a shared interest in normalizing relations between Saudi Arabia and Israel. Biden is hoping to score a major foreign-policy win before the 2024 elections. Netanyahu has set normalization with Saudi Arabia as one of his chief reasons for returning to office, alongside preventing Iran from producing

nuclear weapons.

The discussion between Biden and Netanyahu focused on efforts to secure an agreement with Saudi Arabia, a senior Israeli official said. Netanyahu told Biden that the Palestinians should be a part of the process, but shouldn't have a

veto, the official said.

The senior Biden adminis-tration official said Biden and Netanyahu had a constructive discussion over compromises that would be required by Israel to the Palestinians as part of any Saudi deal.

"All the leaders involved in this have to do some very hard things, and that includes the Prime Minister of Israel," the official said.

Biden did raise the issue of the judicial overhaul during the meeting, and the Israeli leader reiterated that he would advance a consensus plan, with or without the opposition, the official added.

# Nuclear Proposal Part of Talks

Continued from Page One richment in Saudi Arabia, doing so would represent a turnabout in decades of policy in both countries, where leaders across the political spectrum have worked to prevent Middle Eastern countries from developing the capability.

"Israeli support for Saudi enrichment would represent a radical policy shift for a country that has opposed nuclear proliferation in the Middle East since inception, and for a prime minister who has devoted his career to opposing Iranian enrichment," said Mark Dubowitz, chief executive of the Foundation for Defense of Democracies, a think tank in Washington that opposes the idea.

Although Israel won't publicly admit it, it is the only clear weapons—and it doesn't want to see hostile nations join the small club. It is believed to use plutonium for its nuclearweapons program, but Israeli nuclear technician Mordechai Vanunu spent 18 years in prison after revealing details in the 1980s about the country's secret weapons program, includ-ing information on a secret uranium-enrichment facility.

Saudi Arabia's push to enrich uranium has emerged as one of the thorniest issues facing U.S. and Israeli leaders as they try to forge an agreement that could reshape the Middle

Saudi Crown Prince Mo-hammed bin Salman described negotiations over normalization with Israel as serious and getting closer to a deal every day, while stipulating that his country would seek a nuclear weapon if Iran obtained one.

"If they get one, we have to get one," he said in an interview aired Wednesday on Fox News. "For security reason and for balancing power in Middle East. But we don't want to see that."

Netanyahu's instruction for Israeli officials to begin negotiations is the clearest sign yet that the Israeli prime minister



President Biden at the United Nations on Wednesday.

is willing to allow Saudi Arabia to advance its nuclear ambitions, even though critics said such a move could accelerate an arms race in the region.

While the Biden administration is crafting plans for a U.S.-run, uranium-enrichment system in Saudi Arabia as an option to address the king-dom's push to establish its own nuclear program, U.S. officials cautioned they are considering alternatives. Presion the idea of allowing uranium enrichment in Saudi Arabia, according to the people familiar with the matter.

Biden discussed the diplo-matic gambit on Wednesday he met Netanyahu in New York on the sidelines of the United Nations General Assembly.
"On the nuclear issue, we've

seen completely eye to eye right from the start," said a senior Israeli official of the U.S. and Israeli view on negotiations with the Saudis. The Israeli official said they would want to put "a lot" of safeguards on any Saudi enrichment program.

After the meeting, a senior Biden administration official said any support for Saudi Arabia's nuclear ambitions would meet high standards.

"Whatever is done regarding civil nuclear cooperation with Saudi Arabia or anybody else will meet stringent ILS nonproliferation standards,' the U.S. official said.

Saudi Arabia has been pushing for years to pursue its own uranium enrichment. But. in talks with the U.S., Saudi officials said they would accept a deal where the U.S. runs the facility. Saudi leaders compare the idea to the model used to develop its state-owned oil company, Aramco. Aramco was established in the 1930s with New York's Standard Oil and initially known as the Arabian American Oil Company. Saudi Arabia threatened to nationalize the company in the 1950s and eventually took full control in 1980.

Democratic and Republican presidents have long resisted efforts by Middle Eastern countries to enrich uranium. In 2009, the U.S. signed a nuthe United Arab Emirates that precludes the Gulf nation from enriching uranium on its own soil. That deal has become known as the gold standard for U.S. nuclear cooperation with other nations, and offering Saudi Arabia more than that would set a new bar.

Some Israeli leaders worry U.S. support for a civilian nuclear program in Saudi Arabia could pave the way for Riyadh to develop nuclear weapons, which the crown prince has said he would do if Iran does so first. And it could open the door for the U.A.E. to seek similar approval.

"Israel can't agree to ura-nium enrichment in Saudi Arabia, because it endangers its na-tional security," Yair Lapid, the Israeli opposition leader, told Israel's Channel 12 last month. "It would harm our campaign against Iran. It would lead to a regional nuclear-arms race.'

The idea is also drawing opposition in Washington, where groups such as the Foundation for Defense of Democracies are mounting campaigns to derail any deal that allows Saudi Ara-

bia to enrich uranium.
—Summer Said, Laurence Norman and Stephen Kalin contributed to this article.

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# Kyiv Erodes Moscow's Naval Edge

Innovative attacks help Ukraine sink Russia's advantage at Black Sea ports

By Yaroslav Trofimov

ODESA, Ukraine—Commercial vessels have resumed using Ukraine's main port of Odesa without asking permission from Russia for the first time since the war began showing just how much the balance of power has changed in the Black Sea.

By imposing an asymmetri-cal war that relies on domestically produced naval drones and missiles, and that targets Russian ships in their own home bases, Ukraine has eroded much of Russia's vaunted naval superiority. Now, it is taking the battle to Russia itself.

To ensure our security, now and in the future, we must start the defense of our shore on the shore of the enemy," the commander of the Ukrainian navy, Vice Adm. Oleksiy Neizhpapa, said in an interview. "This is an approach that we're trying to

implement little by little."

Outnumbered 12 to one by the Russian Black Sea Fleet the Ukrainian Navy wasn't considered a meaningful force when Russia invaded in February 2022. Ukraine quickly scuttled its flagship frigate, then undergoing repairs in Mykolaiv, so that the vessel wouldn't fall to Russian forces.

In Odesa, port operations had ceased. Residents could see enemy warships with the naked eye. Massed on the horizon, the Russian Navy fired artillery at the city and maneuvered with impunity in preparations for landing troops ashore.

Today, Russian warships no longer dare to venture into the northwestern part of the Black Sea, deterred by Ukrainian coastal missiles and extensive minefields. The Russian Black Sea Fleet itself has suffered heavy losses as a result of a series of successful Ukrainian strikes, with no areas of the Black Sea safe for it anymore.

Ukrainian attacks in recent veeks targeted Russian warships in the open seas and in their main home ports of Sevastopol and Novorossiysk. On

Current shipping routes and major attacks on marine infrastructure since July



Note: Russian-controlled areas as of Sept. 18; shipping routes as of August. Sources: Institute for the Study of War and AEI's Critical Threats Project (Russian-controlled areas); GlobalMaritimeTraffic.org (shipping lanes); Fleetmon.com (tanker location) Carl Churchill/THE WALL STREET JOURNAL

Wednesday, Ukrainian cruise missiles slammed into what Kyiv said was a command center of the Russian Black Sea Fleet in the outskirts of Sevastopol. Last week's missile strike on a Sevastopol dry dock destroyed a Kilo-class submarine, one of only six that

Russia operated in the Black

Sea, as well as a Ropucha-class

large landing ship that Russia had planned to use for an am-

The damage to the dry dock itself is also bound to complicate Russian naval operations in coming months, military analysts say. In addition to the navy, Ukraine's air force and special forces of the HUR and

all heavily involved in Kyiv's battle for the Black Sea.

Several types of Ukrainianmade long-range naval drones provide new offensive capabilities when Ukraine is unable to deploy large conventional warships. "Clearly the drones are what forces the enemy to be tense, not to feel itself safe even in its home ports, let alone at sea," Neizhpapa said.

He said Ukraine has no intention to interfere with civilian shipping in the Black Sea. He added, however, that the 1994 San Remo agreement on international law pertaining to naval warfare allows his forces to target commercial vessels that are viewed as assisting the Russian military effort or that are escorted by

military ships or aircraft.

"It's very clear that the Russians no longer have the initiative in the Black Sea because of what has been a frankly ingenious approach by the Ukrainian Navy and Ukrainian special-operations forces There's a really important shift," said Michael Petersen, founding director of the Russia Maritime Studies Institute at the U.S. Naval War College.

# U.S. Says Freeing Reporter Could Be Difficult

By Andrew Restliccia

WASHINGTON-The White House said the U.S. is in "very active" discussions aimed at se curing the release of jailed Wall Street Journal reporter Evan Gershkovich, but warned that freeing him could be difficult.

"I can tell you there's not a single day since Evan has been incarcerated that we haven't worked on that case," John Kirby, the National Security Council's coordinator for stra tegic communications, said during an interview with MSNBC on Wednesday. He added that the U.S. is also working to free American businessman Paul Whelan, who was sentenced to 16 years in a Russian high-security prison on an espionage charge in 2020.

Gershkovich, a 31-year-old American citizen who was accredited by Russia's Foreign Ministry to work as a journalist, was detained by agents from the Federal Security Ser-vice on March 29 during a reporting trip. He is being held on an allegation of espionage that he, the Journal and the U.S. government vehemently deny. Washington has said Gershkovich isn't a spy, has never worked for the govern-ment and has deemed him to be wrongfully detained.

Whelan denies the charge against him, and the U.S. government has also deemed him to be wrongfully detained. The designation for both men un-locked a broad U.S. government effort to exert pressure

on Russia to free them.

Kirby said the fact that Gershkovich and Whelan are charged with espionage is complicating efforts to release them. "Because it's espionage, the Russians sort of treat them differently. So it's going to be, you know, could be potentially tough to continue to work to get them back," he

A Moscow city court on Tuesday declined to consider Gershkovich's latest appeal against his pretrial detention, citing procedural irregularities, according to the court's website. The appeal was withdrawn from consideration, the court said.

Gershkovich's initial pretrial detention was scheduled to expire on May 29, but has since been extended until Nov. His lawvers in August appealed this latest extension of his detention.

On Tuesday, the Journal emphasized that the reporter had done nothing wrong.

# Zelensky to Face Less Receptive Washington

By LINDSAY WISE AND KEN THOMAS

Ukrainian President Volodymyr Zelensky arrives in Washington on Thursday at a different political moment than his last visit.

In December, clad in an olive drab sweater, Zelensky delivered an impassioned speech to a packed House chamber that drew standing ovations. Admiring senators likened him to Winston Churchill, wartime leader who rallied for-eign allies. Then-Speaker Nancy Pelosi (D., Calif.) presented him with an American flag.

Nine months after that December speech, Zelensky's pitch for continued U.S. help halting Russian aggression is expected to be less cinematic, more pragmatic and poten-

tially combative.
Instead of an address to a joint session of Congress, Zelensky will meet behind closed doors with lawmakers, including some Republicans who want to grill him over a slow-moving counteroffensive and Ukraine's use of American assistance.

Zelensky's goal is to pre serve the bipartisan backing for Ukraine in the U.S., a crucial source of funding and weapons and a powerful ally that shapes the posture of other friendly governments. Given the current stalemate on the ground in Ukraine and economic pressures in Europe, concern on the continent is rising about where the conflict



Ukrainian President Volodymyr Zelensky spoke at a U.N. Security Council meeting Wednesday.

is headed and whether U.S. backing for the war could flag. A Ukrainian president past peak popularity in Washington would increase those risks.

Pelosi's successor, House Speaker Kevin McCarthy (R., has already signaled the challenge of maintaining support in the Capitol's fraught political climate.

McCarthy, who now leads a fractious Republican majority in a narrowly divided 221-212 House, declined to commit to another round of funding for Ukraine ahead of Zelensky's visit, saying he has questions for the Ukrainian president.

"Is Zelensky elected to Congress? Is he our president? I don't think I have to commit anything," McCarthy said Tuesday. "I have questions for have questions for where's the accountability on the money we've already spent? What is the plan for victory? I think that's what the American

public wants to know." McCarthy is struggling to tamp down the latest rebellion from hard-line conservatives, who are blocking a 30-day funding extension from coming to the House floor for a vote. Some of his own Republican colleagues are threatening to force a vote to remove

him from the speakership.

On the other side of the Capitol, Senate Minority Leader Mitch McConnell (R., Ky.) has said he wants to attach additional money for Ukraine to any stopgap funding bill that passes Congress before Oct. 1, when the government is scheduled to par-

tially shut down. Since Russia's full-scale invasion in February 2022, strong bipartisan majorities in Congress have showered aid on Ukraine. In a test of that support this summer, the Senate easily defeated an amendment to the annual defense-policy

bill that would have limited the availability of funds for the support of Ukraine.

The House also rejected

amendments to the National Defense Authorization Act in July that would have scaled back aid for Ukraine.

But a growing majority of Republican Party voters—62% think the U.S. has done too much to support Ukraine, according to the latest Wall Street Journal poll in August. And former President Donald Trump, who is dominating most Republican presidential primary polls, has criticized the amount of U.S. spending on the war while claiming he could quickly strike a peace deal between Kyiv and Moscow.

Sen. J.D. Vance (R., Ohio) an outspoken opponent of Ukraine aid, said he believes that the GOP lawmakers who want to continue funding the war are out of step with their party's voters. "The people are telling us, 'We need to find an exit strategy here,' " he said. Sen. Todd Young (R., Ind.),

a proponent of Ukraine aid, said his skeptical GOP colleagues need to understand the geopolitical implications of withdrawing support from Zelensky.

'They need to understand that we will see an emboldenment of bad actors around the world should our support for the Ukrainians wane," Young said. Zelensky has an opportunity to make that case on Thursday, he said.

# CEO Exited After Sexual Complaint

Continued from Page One

signed Sunday, Sept. 10, a few days after the board opened its investigation into the sexual assault allegation. Camara forfeited an award of stock op-tions that had made him one of the highest-paid CEOs of 2022. It was the latest chapter in an unusual career that be-

CS Disco, a niche supplier of software for lawyers, gave little explanation for its leader's sudden departure, saying it didn't stem from policy or operational disagreements. Employees said they learned of his exit during a company meeting Sept. 11, where leaders wished Camara the best.

Srinivasan, the board's chairdedication to Disco over the

statements in the news release and a related securities filing. Srinivasan didn't respond to

ter for this article.

hired hundreds of employees,
Whom Camara called "Diswhom Camara called "Discovians," and the CEO regularly hosted alcohol-fueled social events for them.

On Sept. 6, the CEO participated in a companywide happy hour in a food hall in the Aus tin, Texas, building that houses the company's main offices. At the event, Camara was encouraging employees to take shots of tequila.

drinking continued and Cainto the face of one young emlike an animal."

Camara groped the woman, who was visibly uncomfortable, and tried to coax her to return to his condo, some of the employees said. Employees interwoman left. The incident was reported by employees to CS Disco's head of human re-

and interviewed people who attended the dinner. It attended the couldn't be learned what the Cooley previously did legal

work for CS Disco, including advising on its initial public stock offering. A Cooley spokesman declined to comment.

It wasn't the first time that a CS Disco employee had complained about Camara's behavior with young female employees. The CEO hired some female

receptionists only after he reviewed photos of them, practice he didn't follow for men, according to former employees and a lawsuit filed in federal court in Austin in 2018 by a former CS Disco emplovee. Part of the suit was dismissed and the parties agreed to dismiss the rest, which alleged age and gender discrimination.
In early 2022, a CS Disco

employee contacted the company's ethics hotline requesting an investigation into Camara's treatment of young female employees. The company's finance chief

and others reviewed the materi-

als. An outside lawyer, also from

Cooley, investigated the com-

plaint. It couldn't be learned

what the investigation found. Several former CS Disco employees said that in recent

years they had raised concerns about Camara's behavior to human resources, top executives and during exit in-terviews, and that they felt nothing changed.

## Emerging leaders'

In February 2022, one employee complained to human resources that the CEO surrounds himself with young female staffers and "prefers to have a house party with associates rather than a professional dinner. This is very inappropriate behavior," according to a document reviewed by the Journal. It is unclear if the

company took any action. In 2022, Camara spear-

Kiwi Camara, seen at a 2019 meeting at his company CS Disco, gave up on stock options once valued near \$110 million headed a program at CS Disco called the Emerging Leader Rotational Program, or ELRP. The company would recruit and hire about 40 new college graduates, offering them a roughly \$80,000 job where they would spend several

years rotating through divi-

#### sions of the company. A recent job description for the ELRP states: "Working alongside top legal minds, entrepreneurs, and technologists, vou'll make a meaningful impact while deepening your skills with one-to-one attention

from our leaders and coaches. Former CS Disco managers familiar with the ELRP said Camara would socialize with the company's youngest staff. He sought to select young female ELRP associates, they said, to do rotations in the CEO's office.

ciates such as visits to wineries struck managers as wasteful while executives were urging belt tightening.
A former ELRP associate encourage his visitors to try

Weekend events for ELRP asso-

his brandy or cognac and smoke cigars with him. Camara generally wasn't easy to refuse. "He'd say stuff like, 'I'll fire you if you don't do things my way,' " this person said. Camara was born in the Phil-

ippines in 1984. The family later moved to Honolulu. He entered Hawaii Pacific University at 14 and graduated in two years.

Camara enrolled at Harvard Law School at 17. In his first year there, Camara drew criticism for posting course outlines that used a racist term for Black people. He apologized, saying he couldn't explain why he used the term, the Harvard Crimson reported.

When he took CS Disco public in July 2021. Camara wrote a letter to investors where he said: "We are com-mitted to making Disco the kind of place that we would like to tell other people we were involved in building, the kind of place where we would love for our kids to work." The shares more than dou-

bled after the IPO, but the stock has since slumped and CS Disco is now valued at around \$400 million.

Jim Oberman contributed to this article.

# FROM PAGE ONE

Camara, 39 years old, regan when Camara graduated at age 19 from law school.

In a news release that day, venture capitalist Krishna man and a director since 2013, said: "We are grateful to Kiwi for his vision, passion, and past decade."

A spokesman for CS Disco referred back to the company's

requests for comment.

The Wall Street Journal spoke with more than a dozen current and former CS Disco employees as well as other

## Dinner with staff

Camara co-founded CS Disco in 2013-when he was -to develop software used by lawyers to sort through documents. The company

After the happy hour, Camara invited a small group of employees to dinner at the nearby Peacock Mediterranean Grill. At the restaurant, the mara pushed roasted meat ployee, telling her to eat it

vened to stop the CEO and the

sources the same night. The next day, the law firm Cooley opened an investiga-

investigation determined.

# Journalism is not a crime.

It has been nearly six months since our friend and colleague Evan Gershkovich was detained by Russia during a reporting trip and falsely accused of espionage. The Wall Street Journal and the U.S. government vehemently deny the allegation and have called for his immediate release.

As world leaders gather in New York City for the 78th session of the United Nations General Assembly, we urge all Member States to act now for freedom of expression by working with urgency and purpose to secure Evan's release.

Show your support by visiting **WSJ.com/Evan** and adding the hashtag **#IStandWithEvan** across social media. Journalism is not a crime, and we will not rest until Evan is released.



# **#IStandWithEvan**

SolidaritéAvecEvan

Libertad Para Evan

声援Evan, 还其自由

Свободу Эвану

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THE WALL STREET JOURNAL.

## FROM PAGE ONE

# Chasing Zzzs Is Now A Sport

Continued from Page One television writer in Los Angeles, wears a Whoop band to track his biometrics constantly. ("I take it off sometimes in the shower," he clarifies.) The device, popular for measuring workouts, says it can track rest cycles at night, helping to "optimize your sleep performance."

He has deployed tactics including blackout curtains and taping his mouth shut to max

out his Whoop sleep score. He admits his preoccupation with shut-eye may have veered toward the obsessive.

"I think if you were to ask my girlfriend whether the first thing I do every morning is wake up and wait to hear from the Whoop how I have slept," he says, "she would answer in the affirmative."

Many restless dozers have

already drifted beyond counting sheep to the growing array of sleep gadgets. Now, Type-A Z-seekers also aim to conquer bedtime—with the dedication of marathoners.

"I am disciplined and competing my ass off to get somewhere between eight and seven hours every night," Michael Gervais, a performance psychologist who advises executives and athletes, said on his podcast recently.
"Ten years ago, a lot of

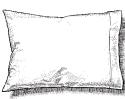
people would beat their chests and say, 'I'm a grinder, I'm working on five-and-a-half hours of sleep," Gervais says.
"Now, more people are attuned to the science, which shows that if you want to live a good life, prioritizing sleep will be one of the best practices you can do.

Claire Chevill, 31, a designer and illustrator living near Sydney, Australia, and her partner, Slawowir Dziem-borowicz, a 35-year-old researcher, are trying a new game, Pokémon Sleep, hoping cute digital monsters will help their rest. "Now you can turn your sleep into entertainment with Pokémon Sleep!" says the company website. It has been downloaded 10 million times since its release in July.

After the couple tuck in,

they turn on the Pokémon app to monitor their sleep cycles, and then in the morning, check their sleep scores before having coffee.

"He has become very competitive and has made incredibly detailed spreadsheets that track every single aspect of the game," Chevill says. "Despite that, his sleep scores are still neck and neck with mine throughout the week, which I find quite funny."



Ready, set, sleep!

High-achieving sleepers playing over a few nights might see a "shiny" Pokémon appear on their app—a rare treat with no tangible in-game value besides bragging rights.

"It's something to look forward to when I wake up," says Ryan Cardenas, a 30-year old Realtor who lives in Harker Heights, Texas, and has been playing Pokémon Sleep for

nearly two months.

Another gadget, the Oura Ring, retails for \$300 and requires a monthly paid mem-bership. It tracks biometrics through infrared LED lights

that beam from the ring into the finger, all of which feed into Oura's algorithm to determine sleep quality.

Emily Bottkol, a 54-year-old Chicago marketing consultant has worn an Oura ring for more than a year. She says a combination of getting older and spending long hours on a computer has made slumber more challenging.

Each morning, a "Readiness" score on the Oura app tells her how well she's slept. She believes it's done a good job, but she has had psychological side effects.

"A low score reminds me of getting a bad grade in school," Bottkol says. "Occasionally, if I'm having trouble sleeping, I stress about getting a low score. A few times, I've taken the ring off in the middle of the night, just so I don't have to see a low score."

Scientists have already coined a term for that —or thosomnia, or, an anxiety

about optimizing sleep that can lead to trouble sleeping.

"The good thing about these apps and devices is that people are thinking more about what their sleep looks like and what they might be able to do to improve it," says Dr. Aric Prather, a sleep scientist at the University of Cali-fornia, San Francisco. "The dark side is that people can get really hyper focused on sleep.

Pokémon Sleep says a good night's rest should total around  $8\frac{1}{2}$  hours—but many need less. "I do think the game promotes oversleeping," says Joshua Bryzik, a 28-year-old graduate student living outside Detroit.

He naturally wakes up after 7.5 hours of sleep, but says now, since he's playing a sleep game, "I close my eyes again hoping to gain that extra hour, which usually leaves me feeling worse than if I just got

# Billionaire Lobbying For TikTok

Continued from Page One opinion article by its president, at a time when sentiment against the platform among segments of both parties was running high on Capitol Hill. Days later, Sen. Rand Paul (R., Ky.) stood up on the Senate floor and quashed an attempt to fast-track a bill by Sen. Josh Hawley (R., Mo.) to ban downloading of the TikTok app.

"We will be acting like the Chinese government if we ban TikTok here," Paul said around that time.

In June, Yass donated \$3 million to a political committee backing Paul. Including that contribution, Yass and his wife, Janine Yass, have donated more than \$24 million to Paul or committees that support him since 2015, according to federal records. Club for Growth has given a Paul-supporting political committee \$1.8 million since

Another Club for Growthbacked Republican who came out against a TikTok ban was Rep. Thomas Massie (R., Ky.), an important ally of House Speaker Kevin McCarthy. Massie urged House GOP leadership to oppose a different effort in the Senate, a bipartisan bill targeting TikTok that had the backing of the Biden administration, people familiar with the situation say.

Since 2020, Jeff and Janine Yass have given \$32,200 to Massie or a political-action committee supporting him.

Club for Growth has been Massie's biggest overall political contributor since 2011, directing \$192,000 to him from the organization's supporters, according to OpenSecrets, a nonpartisan group that tracks political contributions.

A spokesman for Massie said the congressman doesn't like TikTok, but banning it wasn't right because "the cure is worse than the disease." A spokes-woman for Paul said his "opposition to censorship and his unwavering support for the First Amendment are consistent and deeply held libertarian beliefs." Both Republicans have broken hard-line stances on protecting free speech.

Other Republicans in Congress, including at least five others besides Paul and Massie who received financial support from Club for Growth, have also objected to legislation targeting TikTok. With many Democrats already skeptical of a ban, the whittling away of Republican support killed momentum for several bills, including the bipartisan Restrict Act backed by

the Biden administration.
The lobbying effort by Yass is notable in part because of the extent of his political spending—he and his wife were the third-largest conservative do-nors nationally in the 2022 election cycle, chipping in about \$49 million to support conservative candidates and causes,

according to OpenSecrets.

The investment Yass has been seeking to protect in Washington is both valuable and vulnerable. While much of the potential legislation could affect multiple companies, businesses including Chinese e-commerce giant Alibaba Group and Australian financial services firm Macquarie Group have been lobbying to protect interests, the laws would have an outsize effect on TikTok.





Jeff Yass owns a big stake in TikTok parent ByteDance and has worked to fend off a ban in the U.S. Right, ByteDance's office in Beijing.

Yass's

**ByteDance** 

stake is worth

roughly \$21

billion.

"I've supported libertarian and free market principles my entire adult life," Yass said. "TikTok is about free speech and innovation, the epitome of libertarian and free market ideals. The idea of banning TikTok is an anathema to everything I

believe." TikTok parent ByteDance is described as the world's most valuable startup-last year it valued itself at \$300 billion when it bought back shares. Its goal is to go public, most likely in Asia, and the value of its IPO would be badly damaged if Tik-Tok were banned in the U.S.

Some leading Biden administration officials and Congress members say the Chinese gov-ernment could order ByteDance to spy on American TikTok users, or determine what videos they watch. A spokeswoman for TikTok said the company wouldn't comply with such a request and that it has proposed to the Biden administration a \$1.5 billion plan to silo its U.S. operations from China.

TikTok's own lobbying efforts in Washington have included hundreds of meetings and other contacts, according to a person familiar with the matter. One of its main arguments to Republicans has been that a majority of ByteDance's shareholders are Americans, and servatives, this person said.

## Influence campaign

The lobbying appears to have helped push House Republican lawmakers to back away from the idea of a ban on TikTok and focus instead on legislation to put new legal protections in place for users' personal data.

"One idea was to ban it, another idea was to protect the data," McCarthy, the House speaker, said in an interview. "At one time, it looked like the ban was the most powerful, but now it looks like maybe this ∫is the] real solution...It's like, I'm taking a different road to a dif-ferent place, but we're all going the same place."

Hawley chalks the change up to the TikTok influence campaign. "TikTok and its dark-money cronies are spending vast amounts of money to kill these bills," he said when asked about the role of Yass and Club for Growth in the debate over TikTok.

Along with backing GOP candidates who support its views, the Club for Growth often targets Republican incumbents who don't agree with its priorities by supporting rivals in primary contests.

Some conservatives and libertarian members of Congress have traditionally rejected what they believe are intrusions by the government into free speech and how businesses operate, issues some have raised with the TikTok bills.

Others have also opposed the legislation, including media figures such as Tucker Carlson.

Club for Growth began making TikTok a priority around late 2022, when the U.S. government banned federal employees from using TikTok on work devices, said Club for Growth president David McIntosh.

McIntosh said the group started asking political candidates seeking Club for Growth's financial support a question: What's your view on the Tik-

Tok ban? As TikTok faced growing political risk, Yass consulted with Club for Growth periodically, asking which members of Congress would be willing to take a side on the issue, said McIntosh, a former Republican congressman from Indiana

McIntosh wrote his opinion beforehand, he said, though he did show Yass the column after it was published on the Fox News website.

Both Yass and Club for Growth oppose a TikTok ban because they say individual Americans, not the government, should decide what content people can view, McIntosh said.

"It's a natural alignment of his libertarian philosophy, which is what he uses to direct his political giving," McIntosh said of Yass. "It also aligns in this case with his financial interests". terests."

Sam Chen, a Pennsylvaniabased Republican political consultant who has worked for some Yass-backed candidates, said Yass's financial interests align with his philosophy of lim-

ited government. "Jeffrey Yass is a libertarian," Chen said. "He's supporting people that vote this way.

This is kind of now politics works."

The 65-yearold Yass, who grew up in Queens, N.Y., made his first riches when he and poker-playing buddies from the State University of

New York at Binghamton found ways to tilt horse-racing odds in their favor.

The classmates went on to found Susquehanna. In the 1980s, the Philadelphia-area firm helped pioneer the use of quantitative models and computers to make rapid-fire trades for stock options and other se-

Poker is central to Susquehanna's approach. New hires train by playing Texas Hold'em, Yass told a podcast in 2020, where they learn to analyze probabilities and to size up their rivals. "The analogy between being a poker player and a trader—the same kind of decision-making theory—is very similar," said Yass, who finished 12th in a World Series of Poker event in 2013.

More recently Susquehanna has moved into venture-capital and private-equity investments, including in Chinese tech startups.

Susquehanna invested \$2.08 million in ByteDance in 2012, the year it was founded, and its funds have contributed hundreds of millions of dollars since, according to a lawsuit over compensation brought against Susquehanna by contractors who worked in China.

Besides ByteDance, Susquehanna's Chinese office lists on its website nearly 400 other companies it has invested in. They include Home Inn, one of China's largest budget hotel chains, and tech companies.

## 'Suss out' thinking

At Club for Growth, McIntosh said the question about the TikTok ban posed to candidates was designed to "suss out how they think about issues" and that Yass never insisted Club for Growth take a stand on TikTok.

Some Club-endorsed politicians, including Sen. Marco Ru-bio (R., Fla.), have strongly supported a TikTok ban.

Club for Growth also supports issues such as free trade, cuts.

Some GOP Congressional staffers took note of the Yass-TikTok connection. "Club for Growth shilling for TikTok and what a coincidence that Jeff Yass is invested," one staffer wrote in a text to others, seen by The Wall Street Journal.

As calls for banning the so-

cial-media app grew louder earlier this year, TikTok hired top-flight political strategists and rallied the platform's popular influencers to show members of Congress the app's popularity.

U.S. companies with opera tions in China, which could be vulnerable to potential retaliation from Beijing if the U.S. moved against TikTok, also opposed a ban. Many other U.S. companies have a stake in Tik-Tok's continued operations, including Oracle, which hosts Tik-

Tok data on its cloud servers. TikTok has disputed claims that user data could be turned over to the Chinese government ever since former President Donald Trump sought to ban the app in 2020, an effort blocked by two federal judges who ruled that Trump exceeded his authority.

The Treasury Departmentled national-security panel called the Committee on Foreign Investment in the U.S. earlier this year ordered ByteDance to sell or face a ban, according to people familiar with the matter. ByteDance in recent weeks met with Cfius officials again to discuss its proposal to protect data, according to two people familiar with the matter.

The Biden administration hasn't indicated any change in its effort to ban the app or force executive powers to ban it, or force a sale to remove Chinese control. But without legislation. analysts say those orders could be overturned in court, as shown by the Trump-era court

Such doubts helped trigger a range of legislative proposals such as the proposed Restrict Act by Sens. Mark Warner (D., Va.) and John Thune (R., S.D.), which would give the Commerce Secretary authority to ban information platforms owned by companies in adversarial countries such as China.

TikTok and its allies said the Restrict Act would give the government too much power—a point that dovetails with the libertarian ethos of Yass and Club for Growth

More recent proposals still under development on Capitol Hill have scaled back the powers the government could wield against platforms such as Tik-Tok compared with the Restrict Act, but would still allow for forced divestment of companies that pose an undue national-security risk, according to a draft of the Senate Commerce Committee plan.

-Brody Mullins and Raffaele Huang contributed to this article.



Club for Growth-backed Republican Rep. Thomas Massie came out against a TikTok ban.



ON THE CALLUM **BORCHERS** 

ere comes the billand vour co-worker's schadenfreude. Millions of Ameri-cans' federal studentloan payments resume next month, as a pandemic pause on collections ends. Many of these borrowers suddenly feel like they're taking pay cuts. Some say they'll have to reduce entertainment spending or delay major purchases such as homes and cars.

Good, comes the retort from unsympathetic colleagues who paid back their loans, joined the military to earn debt relief or at-tended second-choice colleges because they were cheaper.

College debt is a new third rail in the workplace. The payment restart is proving more contentious than the halt at the onset of the pandemic.
"I worked hard to pay off my

loans and certainly made tons of sacrifices in my professional and personal life to free myself from debt," says Marina Nitselska, a pharmacist in New York who finished clearing \$38,000 of debt last year. "It makes me angry that the federal government even considered forgiving those loans in the first place."

Nitselska says she worked two part-time jobs as a student, lived frugally and took overtime shifts after graduation to shrink her balance as quickly as possible. She believes it would have been unfair to let others off the hook, and she has little patience for those who feel wronged by having to fulfill the loan terms they agreed to.

Morality play
In June, the Supreme
Court rejected President Biden's plan to permanently erase as much as \$20,000 of college debt g per person. Biden had campaigned on canceling certain loans, and many ■ borrowers operated for more than three years with the expectation that some or all of their debts would be wiped away. The ₹ reversal is a shock.

Though some debt-free colleagues feel pity—and think student-loan forgiveness would be good for the economy-others can't stand to hear griping. They tell me they know there are bor rowers who didn't understand what they were getting into and that student loans can be most cumbersome for people who didn't finish their degrees. Yes, they're aware that debt, or the absence of it, is often a function of privilege.

Mostly they view the college-debt crisis as a morality play. They did the right thing, paying back what they owe or making good decisions to avoid debt. Others should do the same or face conse-

#### THE WALL STREET JOURNAL.





# Nobody at Work Wants to Hear About Your Student-Loan Debt

With federal loan payments resuming, debt-free co-workers have little patience for sob stories



▲ Jennifer Dulski avoided debt by going to a lower-ranked school

Better think twice before lamenting your loans in office chit-

Adding to the friction, more businesses are offering studentdebt assistance as a benefit. That can make a tense situation worse, says Jennifer Dulski, founder of Rising Team, a maker of workplace training software designed to improve company cultures and navigate conflicts. She notes that the student-loan payment restart



▲ April Burrows says she got serious about paying off her debt

comes when many workers are paying close attention to equity of all sorts, from racial and gender to hybrid and remote.

"Companies can create rifts between employees when they offer benefits to some and not all," she

Dulski says she attended business school on a full-ride fellowship, turning down admission to a higher-ranked M.B.A. program because it was so expensive

#### A reprieve too late

April Burrows, a marketing manager in Virginia, was a prototypical candidate for debt forgiveness. As the recipient of a Pell Grant, given to students from low-income house-holds, she might have been eligible for the maximum, \$20,000 reprieve. Her federal student debt totaled \$70,000, including loans for a master's program she didn't finish.

Burrows says she refi-nanced with a private lender shortly before federal loan payments were

suspended in March 2020, and she was initially miffed at missing out on the break. Then she got serious about paying off what she owed.

She funneled raises and bonuses toward her debt, moved into cheaper housing, nixed vacations, paused retirement-account contributions and sold clothes and accessories out of her closet. She made her final payment last summer.

Don't go crying to her about your insurmountable debt load.

"I'm not somebody that lectures others, but I was outraged by the proposed forgiveness be

cause I worked so hard to pay my debt," Burrows says. "I gave things up."

Rotem Elias, a senior underwriter at New Jersey Community Capital, says he felt the same way at first. He picked Baruch College for graduate school because he could afford it on personal and family savings. Elias graduated with an M.B.A. in 2020 and, though proud of his alma mater, wondered if he should have taken a shot at a big-name business school.

"I felt like what's the point of all this financial planning?" he says. "If there are no rules, if the loans are just going to be forgiven, why didn't we all take them?"

His job has softened his view. Much of his work involves evaluating loan applications for nonprofits and people with low credit scores. He also married a Yale graduate with \$57,000 of student loans. The couple stockpiled cash during the federal payment pause, hoping some of the debt would be forgiven and they could put all of their savings toward a down pay ment on a house.

Instead, they paid the full balance this summer to avoid more in terest. The house will have to wait.

If you must complain about your college debt to someone, try

# When Borrowing, Read the Fine Print

By Imani Moise

orrowing money is more painful than it used to be, so scrutinize your options.

Mortgages, car loans and creditcard debt became costlier for consumers since the Federal Reserve raised interest rates to the highest levels in 22 years. The Fed held rates steady on Wednesday as the central bank continues to cool the economy and tame inflation.

Borrowers do have options in a high-rate world, from traditional personal loans to new products offering short-term cash infusions at lower rates than credit cards. Many services even provide short-term loans with no interest. But once fees are factored in, these options might not be much cheaper than a standard credit card

To compare these options, look at the fine print.

Borrowers should do their own math before using any kind of credit, according to the Consumer Financial Protection Bureau. To calculate the annual percentage rate, g or APR, add up the interest charges and fees, divide by the loan amount and then divide that by how many days you have to pay it back, then multiply that by 365 days in a year and by 100 to get the percentage.

We have crunched the numbers for how much putting \$500, \$1,000

or \$2,000 on a card or fintech prod uct would cost you with some of the most popular services.

## Credit cards

Interest on credit cards is charged for portions of the balance not paid in full each month. The average credit-card interest rate is 22.16% as of May, the Federal Reserve says. Card companies have been rolling

out new types of accounts for people wary of carrying balances at such high rates. Earlier this year, TD Bank launched TD Clear, a new card that charges a fee instead of interest. Customers can sign up for a \$1,000-limit card with a \$10 monthly fee, or a \$2,000 limit with a \$20 monthly fee. For borrowers who usually carry

a balance, TD Clear could mean savings compared with standard credit cards, but only if their balance is high enough. For example, for a \$2,000 balance, the monthly fee equates to an APR of 12.2%

Some customers are willing to pay more for simplicity and predictability, said Chris Fred, head of U.S credit cards and unsecured lending

## Buy now, pay later services

Lenders Klarna and Affirm became popular during the pandemic's online-shopping boom. The most popular version of the buy now, pay



later, or BNPL, product lets shoppers split the cost of purchases into four equal payments due over six weeks-at no interest. The downside is that breaking up payments makes you more likely to overspend.

For those who need more than a month to pay off a purchase, these services are better than credit cards, as long as borrowers can afford the payments.

"It's pretty hard to beat buy now, pay later," said Matt Schulz, chief credit analyst at loan-comparison site LendingTree.com.

#### Advances on your paycheck Earned-wage access companies such as DailyPay work with payroll

providers to verify your income and

give you access to your earnings between paychecks.

These fintechs don't consider themselves lenders since they

charge no interest and only allow customers to withdraw money they have already earned. Advances are repaid directly from workers' paychecks so there are no late fees.

Using these services is free, as long as you are willing to wait a few days to get your moneymight defeat the purpose of the

These services are generally cheaper than payday loans or longterm reliance on credit cards, but they are available only to people with a regular paycheck from an approved payroll provider or employer.

"It'd be a wonderful tool to have in an emergency situation," said Theresa Bailey, an accredited financial counselor in Florida who works with people in financial distress. "But in the absence of that. I feel like it encourages poor financial behaviors."

## Arranged overdraft

These services allow consumers to spend more than they have available in an account, for a fee. The ar ranged-overdraft option was pioneered by fintechs such as Dave, a digital bank, and adopted by large banks including Bank of America.

Dave lets customers who pay its \$1-monthly subscription fee carry a negative balance of up to \$500 for free within their Dave account, but they charge \$13.99 if you need to transfer that money to an external

account instantly.

Bank of America launched Balance Assist in 2021 to let existing checking customers borrow up to \$500 for three months for a \$5 fee.

#### Credit unions and personal loans

If you need to borrow money for more than six weeks at the lowest interest rate, traditional personal loans and home-equity lines of credit might be best, analysts said

Credit unions tend to have the lowest interest rates for credit cards and personal loans since they have a nonprofit business model. The average credit-card interest rate for credit unions was 12.48% in the most recent quarter, according to the National Credit Union Administration.

The application process may take longer, but the savings are worth it, said Bailey, the financial counselor.



ON TREND JACOB GALLAGHER

ony Parrotti's company name says it all. He goes by Tony. And he makes shirts. Therefore, he runs Tony Shirtmakers. As the saying goes, it does what it says on the tin.

Despite his meek-as-a-countrymouse moniker, Tony, 34 years old, is something extraordinary in the American apparel industry: a young, small-town tailor who is not just staying afloat, but finding great, year-plus-long-waitlist success from his in-house studio in Damariscotta, Maine. (I'll call him Tony because everyone else does.)

To his clients, Tony's sly custom shirts—heavy linen westerns with mother-of-pearl snaps, chartreuse green oxfords with sly hidden plackets, thick canvas shirt jackets in slate gray—are the contemporary equivalent of a bespoke suit. Starting at \$675, they're something to invest in, wait several impatient months to receive, and wear weekly, if not daily.

"I wanted to stick to one garment because I just wanted to get very, very, very good at it," said Tony. "I personally don't think that you can do that with all garments."

America was once littered with Tonys: tailors operating tidy shops brimming with reams of fabric and paper patterns. These tailors knew every bend in their clients' biceps, each awkward tilt of their shoulders, how their waistlines ex-

panded over the years.
But the dawn of department stores (and later online shopping) with their array of ready-to-wear clothes squeezed most tailors

In 1997 the nation had 31,840 custom tailors and sewers, according to the U.S. Bureau of Labor Statistics. Today there are about half that number. The vast major ity are centered in the fashion capitals of New York and Los Angeles.

Damariscotta, a coastal hamlet with just over 2,000 people, is the furthest thing from a garmento hotbed. It is known as an epicenter of oysters, not open-collared shirts.

But Tony's customers order from all over. He takes the bulk of his or-ders online—a process perfected during the pandemicallowing him to reach customers from as far as Thailand, Australia and Berlin through virtual fittings.

He offers consultations over Zoom and asks clients to send photos of them measuring and wearing a favorite shirt, which he builds upon to create an exact custom fit. "I can see his sleeve needs to be about an inch longer, the body needs to be about an inch shorter," said Tony.

Through the process, he's managed to wrest a stubborn-some might say dying-craft into the

21st century.
"When I looked at his website and saw you could actually get a custom fit to you, I was like, well, I might as well do that, if I'm going to be spending this," said Jim

# One of America's Best Tailors Lives in a Small Town in Maine

Tony Parrotti has figured out how to bring the classic craft of tailoring into the 21st century



Bethune, 34, a technology consultant in Chicago who has purchased upward of 20 items from Tony over the years.

Although Maine is now home for Tony, his wife, Laura, and their newborn, Elio, for most of his tailoring career, Tony operated in

He attended Parsons School of Design, though his focus was on

Tony welcomes

design

demands: 'I'm

very good with a

hint of direction.'

the business side of the apparel industry. It took his own gumption to teach himself how to sew. "I was very interested in business but I was also very interested in creating gar-ments," said Tony.

To school himself he purchased two identical shirts from

H&M that fit him adequately enough, and painstakingly took one shirt apart, then rebuilt it, comparing his handiwork to the untouched mate—a strategy he called "reverse engineering." By repeating this stitch-by-stitch process over and over, Tony learned how to sew something that looked like a wearable shirt.

It wasn't long before Tony was making shirts for himself and for friends. In 2014 he left his job on the business side of the apparel in-

Tony and his wife, Laura, live in Damariscotta, along Maine's coast, with their newborn, Elio.

dustry to work part time with a Brooklyn tailor while also breathing life into his burgeoning shirt brand.

"It was a huge pay cut to go work at the tailor, but I was getting knowledge that I couldn't buy," said Tony. He met Laura when they both worked at the Canadian womenswear company Aritzia. He credits his wife, who worked in retail management merchandising at that label, for keeping them afloat during this period. "Laura was making sure that we could eat and pay rent," he said.

By 2018, he felt he had learned

enough and amassed enough clients to go full-time with Tony Shirtmakers, opening a Brooklyn studio

where he saw clients in person. It could have continued this

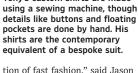


way. Tony could have been, as Laura said, a "small fish in a big pond." But during the pandemic the pair re-evaluated their priorities and moved to Maine, where they had long vacationed and which reminded Laura of her native Canada.
"Living in Maine really sort of

romanticized what we do," said Laura, who is also Tony's business partner. Shrewdly, the couple plays up the state's idyllic landscapes in the company's Instagram posts.

Tony works deliberately, completing upward of just three pieces each week. Most components of a shirt are stitched using a sewing machine, though details like buttons and floating pockets are done

by hand.
Working with Tony "is a rejec-



Tony's custom shirts are made

Zuccarelli, 43, a video editor in Mount Laurel, N.J., who has purchased clothes from Tony for many years—all without ever meeting him in person. Instead of going to a store and buying a handful of new shirts each spring and fall, he calls up Tony and together they dream up a single, idiosyncratic item that fits him and only him. "It's just an organic process that's enjoyable," said Zuccarelli. In recent months, Tony's taken

a toe dip into creating trousers, dense overcoats and even an offwhite twill wedding suit. On his website, he also occasionally releases ready-to-wear shirts, which begin at \$555. A recent crop of Palm Beach-ready camp shirts in fabrics like clay seersucker and periwinkle linen sold swiftly. For many clients, having

clothes made for them is a far superior option to settling for lessforgiving off the rack fits. "It's been a necessity for my body type," said Adam Halvorsen, 42, who works in marketing strategy in Brooklyn and said he is in the ʻbig and tall" category. He has been a Tony customer since 2016, buying pieces like a green casentino wool overshirt and a mustard moleskin work shirt.

Halvorsen is a prime Tony client in that he's able to wear specialized, often-expressive shirts daily to work. "If I had a job where maybe I had to wear a suit everyday, like maybe that would have been my thing," said Halvorsen. Tony's focus on shirts, an in-

herently casual piece of clothing, emphasizes just how significantly dresscodes have eroded away.

Often, Tony's customers have a good idea of what they want on a shirt, such as a sandwich-sized pocket or a slot for an oyster knife.

Tony welcomes design demands. "I'm very good with a hint of direction, I'm very bad with no direction," he said.



# Apple Watch Series 9 Isn't As Useful as It Could Be



TECHNOLOGY NICOLE

f you ask me, "Should I upgrade my Apple Watch to the Series 9 this year?" I'd probably say no. It's a fine watch. It's just not

much better than the Series 8, which you can get cheaper, even re-furbished right from Apple.

I've been testing the \$399-and-up Series 9 for nearly a week. Available Friday, it includes a few upgrades, including a one-handed, double-tap gesture and a brighter screen.

Many things, though, remain unchanged, including the health sensors and design. I'm most grumpy about the battery life. Back in 2015, Apple promised 18 hours. Today, Apple promises...18 hours

The Apple Watch is the bestselling smartwatch in the world, but battery life is where competitors such as Garmin still have an edge. It's what holds the Apple Watch back from true usefulness.

## **Double tap feature**

The improvements to the Series 9 are internal, enabling new features that are no game-changers. Double tap: The new watch senses when you pinch your thumb and index finger twice in quick succession. The gesture triggers an action that varies depending on what you're doing. If you're playing a song, you can double-tap to pause or skip. For incoming texts, it starts a reply with voice dictation. For calls, it picks up the phone. For timers, it dismisses the alert.

Double tap will come in an update rolling out next month. It's useful for one-handed operation, and it works while you're wearing gloves.

A similar accessibility feature called AssistiveTouch is available on Series 4 models and newer. You can even double-pinch to dismiss notifications. In my tests, AssistiveTouch wasn't always as responsive as double-tapping on the Series 9, but if you already have an Apple Watch, it's worth enabling.

Offline Siri: Apple's voice assistant can now process some queries faster and more accurately, because it doesn't need to send the request to the server over Wi-Fi or cellular. You can set timers—even *multiple* timers in the WatchOS 10-almost instantaneously.



▲ Apple's latest model has same battery life the watches have had since 2015—18 hours.

Brighter screen: The display goes up to 2,000 nits, up from 1,000 nits last year. If you don't speak nits, that translates to a screen that's easier to see on a sunny day. Its dimmest setting is also lower.

## **Energy-draining add-ons**

In its quest to make the smartwatch a jack-of-all-trades wearable with a high-resolution, multitouch screen, Apple has sacrificed battery life. The new S9 processor is 25% more efficient than last year's model. But over time, the company has added more sensors, brighter

screens and other energy-sucking elements.

During the watch's recent unveiling, Deidre Apple Watch product marketing, highlighted the company priority: "This powerful custom silicon is what allows us to maintain all-day 18-hour battery life while adding new features and systemwide improvements.

Garmin wearables, meanwhile, have lowerresolution displays that can last days. Some models have solar panels embedded in their watch faces, and can last weeks. It's something I'm

painfully reminded of every time I forget my Apple Watch

charger on a weekend trip.

Apple often touts the watch's health-tracking capabilities in marketing materials. For this to work. though, it has to be on your wristeven at night, while you sleep. That's tough when it needs to be charged once a day.

Charging wouldn't be as problematic if the Apple Watch didn't need its own proprietary puck to power up. (Garmin's new Vivomove Trend is one of the first to work with standard Qi wireless charging.)

I'm not saying Apple Watches are useless without default multiday battery life. I wear mine so often that I have a squircle-shaped tan on my wrist. But a battery-life quantum leap is needed.

That could be coming next year. The Apple Watch was announced 10 years ago next fall, and that ansign. According to a Bloomberg report, a new band system could make room in the watch's case for more sensors—or, I hope, a bigger battery—and a switch to a more energy-efficient microLED display could lead to power gains

## How to save on battery life

If you want the longest battery life right now, there's the \$799 Apple Watch Ultra. It lasts a day and a half by default. But even the new, modestly upgraded model is bulky. Anyone looking for a big Apple Watch change should wait until 2024.

Meanwhile, you can temporarily double the battery life by taking away power-draining features.

• Enable low-power mode: You can quickly enable low-power mode for set periods. Press the side button to open the Control Center, then tap on the battery percentage and scroll down. Just beware: It does disable some of the lifesaving heart-rate notifications and the power-hungry always-on display. When double tap is available, low-power mode will also disable that gesture.

 Reduce workout sensor readings: Go to Settings > Workout, then tap Fewer GPS and Heart Rate Readings to enable. When in low-power mode, the watch won't capture GPS or heart-rate data as frequently during outdoor workouts, further extending battery life.

**ART REVIEW** 

# **Infinite Shades of Black**

The Frick displays the dazzling portraits of painter Barkley L. Hendricks

By WILLARD SPIEGELMAN

ntimacy and grandeur seldom go hand-in-hand; they are as unlikely a combination as Old Master virtuosity and streetsmart contemporaneity. "Barkley L. Hendricks: Portraits at the Frick" (through Jan. 7, 2024) brings these opposites together in a stunning show of 14 large-scale, admirably proportioned color portraits by the African-American painter.

Hendricks (1945-2017) studied at the Pennsylvania Academy of the Fine Arts in his native Philadelphia, and then at Yale. He had an academic career on the faculty of Connecticut College in New London, a gritty, multiracial urban community, where he captured city life in many media: lithography, watercolor, photography and graphite. It is, however, his portraits—of people on the street who caught his attention, as well as friends and relatives—that constitute his strongest legacy.

tute his strongest legacy.
A summer show at New London's Lyman-Allyn Museum gave a taste of Hendricks's versatility, but the Whitney Museum's former

home (and the Frick's current temporary one) in Marcel Breuer's Madison Avenue building is the appropriate venue for this selection of his early work. This was where, in 1981, Hendricks had his first New York museum exhibition. Fifteen years earlier, he had traveled to Europe, encountering Old Master paintings—of the sort that Henry Clay Frick had gathered for his Fifth Avenue house museum—and returned with "a head full of inspirations."

Those inspirations bore fruit in the rich, elegant portraits lining the walls of two rooms in the Breuer building. The subjects themselves, and the technical means of representing them, happily meld the old and the new.

Exiting from the elevator on the fourth floor, a visitor confronts "Lawdy Mama" (1969), a portrait of Hendricks's relative Kathy Williams. She looks straight out impassively, an updated *quattrocento* or Byzantine Madonna painted in oil on a shimmering gold-leaf background. Her Afro is a modern halo. Even the picture's title works in two ways: It combines "Lord" and "Mother," and derives—according to the artist—

from a Nina Simone lyric. Another 1969 portrait, "Miss T," the most soulful of his subjects, was also a byproduct of Hendricks's European tour, during which he was struck by a Giovanni Battista Moroni picture in the Uffizi: "The figure in a black, skin-tight outfit made me see the illusion of form and simplicity in a different light." Also clad in black, her hands behind her, and with delicate largeframed glasses and an exquisite, thinly spun, gold-chain belt her only ornaments, Miss T gazes down and out.

In this picture, like the others, Hendricks mixed materials. He used oil for his human subjects (adding varnish at the end), but he placed them on a monochromatic background done in acrylic or Magna, a specialized, fast-drying acrylic that can be diluted.

Hendricks called some of his work "limited palette" paintings, but "limited" does them an injustice. A knockout study in bright yellow, "Woody" (1973), is the earliest of these. The dancer Woody Wilson, arms spread, his right leg lifted and stretching, is caught in mid-movement. His brown skin contrasts with the textured gold of his unitard and the blinding sunshine of his background. Two colors—three, actually—vie for our attention. (Hendricks learned lessons from Color Field painters, and from other Abstract Expressionists he absorbed the idea of flatness in painting.)

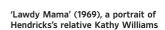
These pictures dazzle expansively from a distance and, even more, from up close, especially the white-on-white portraits, where dark skin tones and pure whiteness possess virtually infinite shadings.

'Miss T' (1969), left, and 'Woody' (1973), below, by Barkley L. Hendricks "Omarr" (1981), a man whose identity (like that of several other of the painter's subjects) is unknown, is seen wittily from the back, a small head atop a puffy quilted parka. He is adorned with two sets of sunglasses, one earring, plus a single red mitten with a small hook dangling down. White is the color that contains all the others, and when you get close to his billowing coat, you see different textures as well as

and ivory.

"Omarr" is hung in a side room with four other large pictures of black people on white backgrounds. Hendricks makes black as rich and various as white. An early critic accused him of using the "same all-purpose brown" for his

sheer waves of white-infused hues: bits of beige, pink, yellow, cream



figures," a remark so fatuous as to defy credulity. Hendricks wanted not only to depict African-Americans without reference to oppression, slavery and poverty but also to honor what he called "the beauty and variety of complexion colors that we call Black."

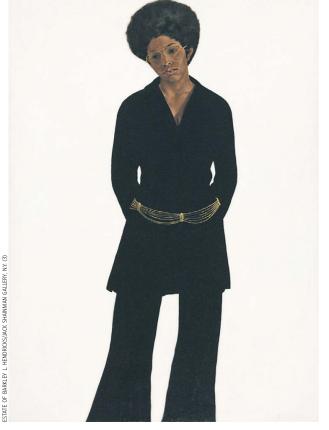
"Lagos Ladies (Gbemi, Bisi, Niki, Christy)" (1978) depicts four cooks from a hotel he visited during a visit to an African arts festival. This picture, from a private collection, has never been publicly exhibited before. Two visual motifs complement each other: white-againstblack, and white-on-white. The matte-white background makes the sheer whiteness of the women's dresses positively glisten. The color of their skins ranges along a spectrum that photographic reproduction cannot capture: hints of red, even ocher, plus darker mahogany and lighter, tan shades. The women are a collective; they are also individuals. Wearing the same uniform, they sport different jewelry, and shoes of differing colors. Poised and dignified, they lean into one another, each with her own posture, each with an individual gaze

Nothing could be as limitless in

Barkley L. Hendricks: Portraits at the Frick

Frick Madison, through Jan. 7, 2024

Mr. Spiegelman writes about art and literature for the Journal and is the author, most recently, of "Nothing Stays Put: The Life and Poetry of Amy Clampitt" (Knopf).





DANCE REVIEW

# 'Filling Station': Pliés at the Pump

By Robert Greskovic

New York
aving drawn on research begun in 2020, with collaborators in Paris, Vienna and Berlin,
American multidisciplinary artist
Matthew Lutz-Kinoy is now presenting, following interruptions due to the Covid-19 pandemic, his reinterpretation of "Filling Station," a "Ballet-Document in 1 Act" first given in 1938 by a short-lived troupe called Ballet Caravan, with choreography by Lew Christensen. The Depression-era ballet—a collaborative

effort by Christensen, writer Lincoln Kirstein, composer Virgil Thomson and designer Paul Cadmus—inspired Mr. Lutz-Kinoy with its queer aspects. Prominent among them remains the homoerotic dimension of Cadmus's costumes, most nota-

bly the transparent plastic coveralls for Christensen as the ballet's leading character, Mac, the gas-station attendant, "beneath which," as Kirstein recalled in his 1984 Cadmus monograph, "glowed this brilliant classic dancer's splendid physique."

The original ballet's narrative told of a crossroads gas station—overseen by Mac, whose choreography often consisted of air-filled jumps—and the types of Americans who pass through such places. The tone was that of a comic strip, with choreography sometimes borrowing the moves of vaude-wille acts; the characters included two

truck drivers, a state trooper, a guntoting gangster, a motorist and his family, and a rich couple following their night on the town. After the scenario's individuals arrive and intermingle before a climactic stick-up, a shooting and an arrest, Mac remains alone with his newspaper.

With sometimes improvised-feeling choreography by Niall Jones, Mr. Lutz-Kinoy's "Filling Station," which states "explores a spectrum of queer expression and experience," was recently performed twice at the Horatio Street Gas Station, a func-

This reimagining

of a ballet from

1938 was staged

at a New York

gas station.

tioning Mobil site in Greenwich Village. It will be repeated on Saturday at Dia Beacon, the museum in Beacon, N.Y.

Following the initial performances, a gallery exhibition of artworks and historical items related to the two ballets opened at The Kitchen at West-

beth, where it continues through

The project amounts to two shows—a performance and an art display. The former, arranged for seven dancers as nine individual characters, is accompanied by intermittently jaunty and droning recorded musical segments by James Ferraro. It plays out as locomotive excursions for its cast without much of a through-line. Its impact is more incidental than dramatic.

In piecemeal fashion, the action arranged for Mr. Lutz-Kinoy's reimagined "Filling Station" offers a notable Mac



in the subtle performing of Kris Lee, who, in two-piece, translucent coveralls—designed, like all the costumes here, by Eckhaus Latta—maintains an almost contemplative manner that notably contrasts with the more outgoing, one-note modes of the rest of the cast, including Bria Bacon as the brash, careless Rich Girl and Mina Nishimura as the driven Activist I. There is horseplay for the characters named Ray and Roy, who at times roll or spin tires as part of their choreography, as well as some street-dance-cum-ballet moves, in sneakers, for the Rich Girl and her Rich Date who arrive

and depart on a moped.

With only minimal information given on the postcard-size handout, and its OR code needed to access

▲ Dancers Kris Lee, Mina Nishimura, Maxfield Haynes, Ayano Elson, Bria Bacon and Niala

fuller program material, it's difficult to say what observers unfamiliar with the history of "Filling Station" will take away from the performance component of Mr. Lutz-Kinoy's contemporary take on his subject. To be sure, the gallery display at The Kitchen is the more intriguing offering.

The full-floor exhibition takes its viewers into the back story of the original ballet collaboration—reproductions of Cadmus's costume sketches stand out—and, through video footage on monitors documenting recent rehearsal sessions, into some of the inner workings of

the 21st-century re-creation. Most striking here, especially in The Kitchen's light-filled space, are five large-scale, translucent canvases that emulate theatrical backdrops. Com-

posed by Mr. Lutz-Kinoy, they are reimaginings of Cadmus's set designs; a still larger canvas will be part of the Dia performance.

. Flsewhere in the gallery show, samples of the look as conventional and street-fashion familiar here as they do in performance, with nothing as witty as Cadmus's often arch takes on 1930s small-town American garb. But high-quality re-productions of George Platt Lynes's studiolighted photographs of both Christensen (in 1938) and Jacques d'Amboise who took on the role in the 1953 New York City Ballet revival, are among the show's more vivid

items as they document some of Mr. Lutz-Kinoy's vital inspirations for his new work.

rations for his new work.

Christensen's "Filling Station" entered the repertory of San Francisco Ballet in 1951, the first year of the choreographer's artistic directorship there, and was last presented by that company in 2008. NYCB's 1953 staging was shown the next year on national television—one of the first ballets to be so presented. (There is a YouTube posting of that telecast.) Mr. Lutz-Kinoy has brought new awareness to this piece of ballet Americana. But it's his gallery display, not his live production, that better honors the original ballet.

Mr. Greskovic writes about dance for the Journal.

# **SPORTS**

By Louise Radnofsky AND LAINE HIGGINS

he events that led Michigan State to move toward firing football coach Mel Tucker began 10 months ago, when a prominent anti-rape activist filed a sexual misconduct complaint against him. Yet the school's leaders only rolled into action in the past 10 days, after a newspaper story detailed the allegations and early findings against him.

The gap between those two dates leaves the university facing explosive questions about its handling of a sexual misconduct allegation—an uncomfortably familiar po-sition for an institution still known nationally for a fraught history that includes its employment of Larry ssar for nearly two decades.

Michigan State is under fire from Michigan Gov. Gretchen Whitmer over "when the university knew about these allegations and why they made the decisions they did." Whitmer, a Democrat and alumna of the school, has said she was sexually assaulted while she was a freshman there.

Tucker himself is also zooming in on the timeline of the university's investigation of him as he sends clear signals he plans to fight the voiding of his lucrative fully guaranteed contract worth \$95 million over 10 years. If he is successful, the university would owe him more than \$70 million in severance, paid out monthly until 2032

The university's top officials say that while they knew in December that a sexual misconduct complaint had been filed against Tucker, they acted appropriately in allowing the school's Office for Civil Rights to investigate whether Tucker had vio-lated school policy without them learning details of the allegations or what the investigation had uncovered, until they read about it in USA Today earlier in September.
A school spokeswoman said that

only the athletic director, Alan Haller, was told in December that the complainant was Brenda Tracy, a longtime campaigner against sex-ual violence in sports who had been working with the football program. The spokeswoman said the university's interim president Teresa Woodruff and board of trustees were informed only that there was a complaint against Tucker.

The USA Today report set out how Tracy had told the school's in-

# Michigan State Is in An Uncomfortable Spotlight

The university is facing questions about its handling of a sexual misconduct allegation against football coach Mel Tucker



Mel Tucker, center, was on the sideline during Michigan State's 31-7 win over Central Michigan on Sept. 1.

vestigator in January that she didn't consent to an encounter in which Tucker masturbated on a phone call. Tucker, the newspaper reported, tried for weeks to persuade the school to drop the investigation before telling an investigator in March that they had had "phone sex" in what had been a mutually consensual and intimate relationship.'

That March acknowledgment ultimately formed the basis of the school's decision to suspend Tucker without pay—not in March, but hours after the news article was published—and then to move on Monday to terminate him on the basis of having violated his contract with the school. An October hearing is still set to go ahead on whether Tucker had also violated the school's sexual misconduct policy.

In the termination letter sent to Tucker released by Michigan State, the school told the coach that his "admitted behavior"—including the phone call and other comments to Tracy about her body while she was a vendor for the university—were proof of "conduct which constitutes moral turpitude," that had brought "public disrespect, contempt or rid-icule upon the University."

The situation has sparked confusion and anger over how Michigan State's president and athletic department couldn't have known what their Office for Civil Rights knew, including a report produced

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by the school's investigator in July "MSU knew about the informa-

tion on which it supposedly relies to end my contract since at least March 2023," Tucker said in a statement released through his agent on Tuesday. "MSU cut off any semblance of interest in the truth or due process by terminating me weeks before the hearing.... The in vestigation is designed to determine whether I violated policy. I did not. But regardless, basic fair-ness requires that process play out before any sanction(s) are deter mined.'

A university spokeswoman declined to answer questions about whether university employees outside of the Office for Civil Rights

and Tucker were aware of developments in the investigation into the complaint. The spokeswoman, Emily Guerrant, said that Haller and Woodruff weren't given copies of the July investigative report, and were only told that the case would move from the investigation stage to the hearing stage.

The school's top officials say

that, based on what they did know earlier, they increased their oversight of Tucker and his program and through Haller, ensured he had no contact with Tracy. That still leaves them in a difficult position of defending how and why they didn't have key details or hasten the process of obtaining them, be-fore acting immediately once those details became public.

"When an allegation of inappropriate behavior is made, the university's processes and the people we entrust to carefully handle the matter are charged with ensuring the rights and privacy of affected indi-viduals during the pendency of the matter," Woodruff has told students and alumni.

MSU was previously criticized for its failure to act on reports that its employee, Larry Nassar, was abusing women and girls going back to the late 1990s. In 2018 the school settled claims with hundreds of Nassar victims-including MSU athletes, local patients, and elite gymnasts on the U.S. national team—for \$500 million. Nassar is serving an effective life sentence in federal prison.

The school has also weathered other allegations about sexual misconduct by players in its football program, and in its basketball pro-

Tucker has indicated that he is ready to draw on the school's history now too. "The investigation hasn't been fair or unbiased. I can only conclude that there is an ulterior motive designed to terminate my contract based on some other factor such as a desire to avoid any [Nassar] taint, or my race or gender," Tucker said after his interim suspension.

Tucker's lawyer Jennifer Belveal hasn't responded to inquiries about what, if anything, her client had told school employees ahead of the publication of the USA Today report. Tracy, on Tuesday, declined to comment through her lawyer.

The university has since said it

has hired a law firm to investigate potential breaches of confidentiality

sary in the past. Sports

betting was largely limited to

as Vegas and illegal bookies.

Now gambling is legal, ubiq-

uitous and enormously popular. The rise of sports betting has created an entire indus-

try devoted to seeking every

assist bettors, and journalists

last tidbit of information to

now find themselves in the

cal question facing sports

bling rules," said Brian

Moritz, a professor at St.

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middle of a rapidly changing

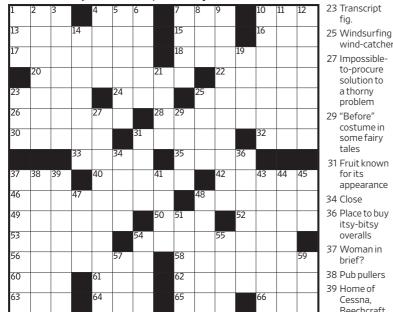
"The most pressing ethi-

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ple of years is codifying gam-

Bonaventure University who

## The WSJ Daily Crossword | Edited by Mike Shenk



#### **SAVE YOUR BREATH | By Ella Dershowitz** 30 Composer

31 Bolt with

Across or review 4 Cool story teller, in memes 7 Witchy

woman 10 Some are special 13 Added to the

team 15 Drama 16 "Psych!" 17 It might be

blown by a blow-dryer 18 Owns, in olden times

20 Hollow cluster

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23 Essence 24 First name on "Gattaca' posters

25 Brainpower 26 Lab that's little

28 Asks intrusive questions

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33 B.D. of "Mr. Robot"

35 Slurp:soup:: : beer 37 Gum holde

40 Sings "Defying Gravity," say 42 Buccaneers

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48 Set unit 49 Drink of the gods

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52 What might

be taken

▶ Solve this puzzle online and discuss it at WSJ.com/Puzzles.

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64 Upper limit 50 She took silverto 65 Paranormal Yamaguchi's gold in the 1992 Winter

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58 Share from 8 Programming phone to pioneer phone, or Lovelace what vou 9 "Can we must do to this grid seven talk?

> 10 Out of office, maybe 11 Protip 12 Dresden

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19 Pick up on 21 Pool units

Previous Puzzle's Solution

# Journalists Have Inside Info. Gamblers May Try to Get It.

By Jared Diamond

baseball columnist for the New York Post, recently received a bizarre text message from an unfamiliar number. The sender didn't identify himself, but in a tone suggesting he was a friend, asked Sherman a question: Who would he pick in the National League's hotly contested MVP race?

JOEL SHERMAN, a veteran

Sherman didn't answer, though he did push to find out who he was communicate ing with. It turns out the sender was a writer for a betting website, according to an internal email sent to members of the Baseball Writers' Association of America reviewed by The Wall Street Journal and a person familiar with the matter. He offered no clarity about how Sherused, but gambling firms accept wagers on things determined by journalists, like the outcome of award votes and Hall-of-Fame selections.

The incident revealed a potential landmine jour nalists now face amid the boom of legal sports betting around the country, given their access to inside information and their ability to affect gambling markets

The threat of corruption is easy to spot: Baseball MVPs are determined by a vote conducted by 30 members of the BBWAA. A simple Google search shows that Sherman voted for MVP last year. Advanced knowledge of his vote would undoubtedly be a valuable tidbit in the gambling world for anyone seeking an edge. (Some states, including New York, don't accept wagers on awards.)

Sherman, who declined to comment for this article, quickly alerted BBWAA president Shi Davidi to what had

journalists' gambling activities. While some media outtranspired. Davidi, who covers baseball for the Canadian network Sportsnet, sent out an lets ban their journalists email to the entire organizafrom betting on the sports tion reminding awards voters they cover, many have no guidelines at all. to "keep vigilant. Such rules weren't as nec-

"Anything which links us to sports wagering information, even inadvertently, could impact the integrity of our awards," Davidi said. "There's safety in being guarded about who you talk to about your vote and what you share with whom. Even a seemingly inno cent feeler, like the one Joel received, could lead to unintended consequences.

Athletes and team employees are prohibited from bet ting on the league they're part of. The reason for this rule is obvious: They have access to inside information and have the ability to influence the outcomes of events. In some jurisdictions, athletes participating in is a crime.

Journalists frequently know about important developments like injuries before the general public and are often responsible for determining who wins awards

and makes the Hall of

Fame—results that

people can bet on. But there are

a lot fewer

rules gov-

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is a top

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iournalism. The relationship between sports media and sports gambling came into question earlier this year. Shams Charania, a prominent NBA newsbreaker for the Athletic stoked controversy in the hours leading up to the NBA Draft when he reported that Scoot Henderson was "gaining serious momentum" to be taken with second overall pick. His post moved betting lines toward Henderson—who ultimately was selected third. The issue was that Charania also has a commercial partnership agreement with the popular online sports-book FanDuel. The New York Times, which owns the Ath-

letic, defended Charania, say ing he "does not pick games or encourage people to gamble. He simply reports on news (after reporting it first for the Athletic) around injuries, trades and transactions." FanDuel said the company "is not privy to any news that Shams breaks on his plat-

Still, the situation showed how sports journalists and sports gambling are becoming intertwined in potentially thorny ways.

# **OPINION**

# The Democrats' Diabolical Deal



LAND By Daniel Henninger

significance to February 2020, when WONDER Democratic Rep. Jim Clyburn endorsed Joe Biden in the

South Carolina presidential primary. It's worth a review because that decision now haunts a Democratic Party said to be haunted by Mr. Biden's "age." The existential threat to

the Democratic establishment as the 2020 presidential primaries unfolded was Vermont's socialist senator. Bernie Sanders. Coming off a big win in the Nevada caucuses Sen. Sanders headed to South Carolina with a leading delegate count of 45-and momentum. The Democrats' No. 2 vote-getter then wasn't Joe Biden. It was, incredible to recall, Pete Buttigieg, holding

#### The party struck a Faustian bargain in 2020 that put Biden and them in power.

26 delegates after the voting in Iowa, New Hampshire and Nevada. Mr. Biden was third, with 15 delegates after a showing in Nevada. Trailing was Sen, Elizabeth Warren, a progressive who lacked Bernie's mysterious charisma.

The Clyburn endorsement, which sent a signal to the state's black voters, boosted Mr. Biden to a 48.6% win in South Carolina. Bernie was second with 19.8%. Abetted by the moderate voters who were Rep. Clyburn's target

t's beginning to dawn on Donald Trump that Iowa

Until now it looked as if

the former president was de-

voting more time to meeting

with lawyers than engaging

with voters, so his recent

burst of activity in the Hawk-eye State is revealing. His no-

toriously cheap campaign dropped \$700,000 on Iowa TV

last week. He finally hired a

director to oversee his Iowa

ground game. On Wednesday

he stopped in Maquoketa and

Dubugue, and he vows to re-

turn to the state four times in

October. That means that over

the next six weeks he'll spend

about as many days in Iowa

as he has over the past nine

have realized that Iowa could

end the GOP nomination or

set up a long battle akin to

what the Democrats went

through in 1984. Before vot-

ing started that year, front-

runner Walter Mondale, a for-

mer vice president, was way

ahead. In the last Gallup sur

vev of Iowans before they

voted, Mondale scored 49% to

and Ohio Sen. John Glenn.

Five percent went for South

Dakota Sen. George McGovern

and 3% for both Sens. Alan

Cranston of California and

Team Trump appears to

By Karl Rove

this column eked out a win in November, Nearly know that I give historic later, four years the party establishment that sent Mr. Biden toward the presidency is talking about sending him packing. A CNN poll says Nikki Haley would beat Mr. Biden today by 6 points, and the incumbent president is tied statistically with all the other non-Trump

candidates. Let's understand what happened back in South Carwhat olina. One of literature's great allegories is the story of Dr. Faustus, who in return for receiving great powers

from the devil, agreed to let Mephistopheles come for his soul sometime in the future By throwing the party behind Mr. Biden, Rep. Clyburn and the Democrats made a conscious Faustian bargain.

The conceit now, or euphemism, in every conversation or poll is that Mr. Biden is "too old." As in the 25th Amendment's capacity concerns. But the Biden inner circle knew in February 2020 that the former vice president was already on the of being "too old." brink Thus the Delaware-basement campaign. But by committing to Mr. Biden, the Democrats got possession of the powers of the presidency for four years. They also got a passive president who held open the door for the largest outpouring of spending and regulation in generations.

Now that fellow on the other side of Faustian bargains has shown up to tell the Democrats their payment is due. After giving them four years of extraordinary power, he's taking back Joe Biden.

won his 49%, but Mr. Hart finished a surprising second

with 16%. Propelled by fawn-

ing coverage and aided by a

well-organized New Hamp-

shire apparatus, the Colora-dan scored a 10-point victory

in the Granite State primary

eight days later. Mondale's

hold on the nomination sud-

his vacuous platform: "When I hear your new ideas, I'm re-

The Minnesotan went on

denly was shaky.



Biden and Clyburn in 2020.

What lies ahead for the Biden-less party could be a hard slog.

Democrats, especially in the White House, are frus-trated they're getting no credit for the economy's positive indicators-strong job growth, low unemployment and until recently a strong stock market. More intriguingly, the U.S. public seems unimpressed with, almost ungrateful for, the trillions the Democrats spent on Covidera transfer payments and subsidies.
That's a testament to the

destructive political effects of high inflation—the longforgotten lesson of the Carter presidency. The bigger prob-lem is that the White House is touting something called Bidenomics at the moment the U.S. public has simply grown tired of Mr. Biden. His public appearances are unwatchable. Most Americans are turning the page.

But what comes next?

The Republicans are a subject for another day. Suffice to say that the Fox poll showing Donald Trump increasing his Republican primary vote share to a whopping 60% shows, if nothing else absent a real vote, that Faustian bargains are a bi-

president is running below his national number. Rivals

claim their early-state polls

show him in the mid-30s to

the low 40s, compared with

58.8% in the RealClearPolitics national average. That's

because voters in early

states are paying more attention than Republicans

elsewhere and are seeing more of Mr. Trump's compet-

itors. It isn't wise for Team

Iowa Could Open Up the 2024 GOP Primary

that as soon as the post-Biden conversation began, attention would turn to Kamala Harris. Ms. Harris hasn't done much on her own. but the issue of her future is already producing classics of the no-comment genre. Former House Speaker Nancy Pelosi, a pro if there ever was one, said when asked if Ms. Harris

was Mr. Biden's best running mate: "He thinks so, and that's what matters."

The Democrats' dilemma over what to do about Ms. Harris is that Mr. Biden guar anteed in a primary debate that his running mate would be a woman. Then after the George Floyd killing, the party's politics ensured the veep pick would be a black woman. Now Democrats are discovering what a fraught, tangled issue identity politics has become. Once you enter that maze, there's no way out.

Now comes the United Auto Workers strike, which has brought the party back to a reality suppressed by the Clyburn endorsement in 2020. I don't think Sen. Sanders ever said, "I'll be back." But suddenly there he was, on stage with an imporprogressive admirer. UAW President Shawn Fain.

The Biden star is fading amid party angst, economic anxiety, the tom-toms of impeachment and a special counsel for Hunter. Once the post-Biden bidding begins, don't expect Sens. Sanders and Warren to sign on for another fake moderate. This time, the Democrats' bargain will be made with them.

Write henninger@wsj.com.

**BOOKSHELF** | By Pat Toomey

# A 'Common Good' That Isn't

#### No Trade Is Free

By Robert Lighthizer (Broadside, 384 pages, \$32)

obert Lighthizer, U.S. trade representative under President Trump, believes that America's persistent trade deficits—imports exceeding exports— –arise ultimately from unfair trade policies, were exacerbated by the post-1990s trade agreements, and are leading to economic ruin. In "No Trade Is Free," he defends the Trump administration's protectionist policies that were meant to restore balance.

Mr. Lighthizer acknowledges that free trade enables greater economic efficiency and lower consumer costs, but he argues that those benefits are outweighed by persistent, large trade deficits and the dislocation of workers whose jobs moved overseas. He denies the existence of genuinely free trade, seeing government interference everywhere. Mr. Lighthizer views trade deficits as wealth transfers to countries that run consistent trade surpluses. He dismisses the huge American trade surpluses in services and the benefits of capital-account surpluses-money flowing into, instead of out of, a country—that always accompany trade deficits. In general Mr. Lighthizer takes an almost dystopian view of the modern American economy, clearly influenced by nostalgia for his 1950s, small-town Ohio childhood.

He condemns America's pre-Trump trade policy as one in which "corporate profits soared for a select group of import-ers and retailers" while "many of



America's manufacturing companies were hollowed outforced either into bankruptcy or into moving their factories abroad." In fact, total American manufacturing output has grown steadily, even since the trade deals of the '90s, reaching a record high in 2021 despite trade deficits. Technology and trade together drove productivity gains, reducing the need for manufactur ing workers—similar to America's earlier agricultural transformation-and resulting in job increases

in other sectors. Despite our supposed job-killing trade agree ments, America reached record low unemployment immediately prior to the pandemic, surpassing that last January.

Mr. Lighthizer laments "fifty straight years of trade deficits with Japan, annual deficits of more than \$300 billion with China for years, and enormous and sharply growing deficits with Europe." Yet later he observes that the Japanese economy went from 72% of ours in 1995 to less than 25% of ours today. He attributes Japan's decline, in part, to "inefficient policies" but doesn't reconcile that claim with his thesis that large, persistent trade imbalances should have caused the opposite relative performance. Among the points he ignores: U.S. per capita national income is more than five times that of China, and our economy was 10% smaller than the European Union's in 2008 and is now 50% larger. Working-class Americans enjoy a higher standard of living than workers in any of the countries or regions with which we have trade deficits.

Despite strong growth, record manufacturing output, full employment and a rising standard of living, Mr. Trump launched multiple trade wars and forced the renegotiation of the North American Free Trade Agreement. Mr. Lighthizer claims the administration embraced "the common good. The goal was increasing the number of high-quality jobs paying higher wages." But his policies lost far more downstream jobs than they saved or created, as is usually the case with protectionism. Consider the steel and aluminum tariffs.

In 2018, Mr. Trump imposed legally dubious "national secutariffs on foreign steel and aluminum, including from Mexico and Canada, Mr. Lighthizer defends the tariffs as necessary to combat globally depressed steel prices that he claims threatened the survival of the steel industry and jobs. But according to estimates from Peterson Institute economists, for every steel-worker job saved by those tariffs—at a cost of \$650,000 per job—more than eight were destroyed in the downstream industries that use steel and aluminum. So much for the "common good."

## the offense, attacking Mr. Hart in a March 11 debate for Trump to keep claiming that Trump may think it's

in the bag, but even he knows falling short there means trouble.

minded of that ad, 'Where's the beef?' "Still Mr. Hart won 24 more contests and the race wasn't settled until June 5, when Mondale won enough delegates in New Jersey and West Virginia to clinch the nomination with only 22 delegates to spare. A campaign that looked invincible before voting began nearly collapsed when things didn't pan out as predicted. It could happen again, and Mr. Trump's recent

paign knows it. Mr. Trump's insistence that his victory is inevitable makes a Mondale scenario more likely. The higher he raises expectations, the easier it will appoint. Mondale's performance in Iowa matched the polls, but Mr. Hart's sudden jump was enough to shake public confidence.

Iowa moves shows his cam-

This is particularly impor-Gary Hart of Colorado. When Hawkeye Democrats tant in Iowa and New Hampcaucused Feb. 20. Mondale shire, where the former

'even the most conservative polls" in Iowa have him more than 24 points ahead of anyone else. What if he polls

lower next year? Mr. Trump doesn't seem to like retail campaigning. He breezed in and out of the state fair Aug. 12 while other contenders spent hours and hours there. He prefers rallies of frenzied fans. Doors open two hours early and people utes before he speaks. Taking no questions, his speeches are part ramble, part rant. It's entertaining-or at least once was-but is it effective?

Mr. Trump's competitors, unburdened by multiple criminal indictments, are making

up in their volume of appearances in early states what Mr. Trump gets with his infrequent rallies. Last Saturday, Florida Gov. Ron DeSantis had six events in Iowa while former South Carolina Gov. Nikki Haley had eight stops there across Friday and Saturday.

Nor has Mr. Trump helped himself with his narcissistic insistence on full fealty. He wants political figures to fawn over him. If they don't, he can turn on them, as when he attacked the popular Govs. Kim Reynolds of Iowa and Chris Sununu of New Hampshire.

Then there's his claim Sunday that "both sides" will be happy for him to mediate an abortion compromise. Understanding that the National Rights Abortion Action eague won't ever support limits, pro-lifers instead want a president who will work with the American people to fashion a consensus on reasonable restrictions.

Today, the former president has a big lead in national GOP primary polls. But be-ware: Republican primary voters don't like being taken for granted. Right now that's what Mr. Trump and his team to register their unhappiness.

Mr. Rove helped organize the political-action committee American Crossroads and is author of "The Triumph of William McKinley" (Simon & Schuster, 2015).

# I Left My iPad in San Francisco

By Rick Reiff

San Francisco was quite a welcome Less than three hours after arriving in this city, we were treated to a local spe-ciality: a smash-and-grab

My wife and I exited an exhibit on Tudor England at the Legion of Honor art museum in bucolic Lincoln Park to discover that our rental car's backseat windows had been shattered and the satchel containing my iPad snatched.

"You were lucky," a sympathetic local assured us as we surveyed the damage. It seems the thief—or thieves—had fled the scene in haste, abandoning an apparent attempt to steal our luggage

and perhaps not even noticing my wife's travel bag on the front passenger floor.

The Arizona license plate gave away that we were tourists.

"Happens 10 times a week, museum attendant said

Only a few hours into our visit, my wife and I experienced a smash-and-grab.

when I informed him of the crime. Can't security keep an eye on the parked cars?

Not exactly. The guards, he said, are instructed to protect only the interior of the museum and a narrow perimeter

around it. I'd put the car in the jurisdiction of the park district, out of bounds for museum security.

A few days earlier, a visitor had spotted two men in hoods driving a van slowly past the parked cars. She took pictures of the vehicle and the license plate and brought them to the

"What did you do?" I asked. He shrugged. No one had witnessed a crime and you can't arrest someone for wearing a hood. He lamented what's been

happening in the city. drive an old Ford, but two weeks ago somebody stole he said. Being a smart San Franciscan, he hadn't left anything in the car. Fortunately, the police found it, abandoned but undamaged.

although it was filled with

beer cans and syringes.
The dispatcher who took my wife's phone call to make a police report-as recommended by the rental-car company for insurance pur-poses—perfunctorily told her to file online. When she persisted in seeking his help, he complained that his computer was slow before finally agreeing to take down the information.

The next day, we visited the de Young Museum, which has underground parking and draw gates. "You don't get smashand-grabs here, do you?" my wife asked the attendant.

"Oh yes we do."

Mr. Reiff is editor at large of the Orange County Business Journal.

#### Robert Lighthizer, President Trump's trade representative, claims the trade deals of the mid-1990s led to economic ruin. He's wrong.

Mr. Lighthizer considers the U.S.-Mexico-Canada Agreement—the renegotiated version of Nafta—the "gold standard" of trade agreements. His intent was to reduce trade with Mexico—especially in autos—in order to bring down our trade deficit with that country. He insisted on a new minimum-wage mandate for vehicle manufacturing, an automatic favoring organized labor, and the elimination of legal protections for American investors abroad. The USMCA is the first trade deal in American history designed to diminish trade.

National security concerns make more sense on the subject of China. Mr. Lighthizer justifiably accuses Beijing of running a mercantilist economy based on central planning, subsidies of domestic business, forced technology transfers, intellectual property theft and protectionist trade policies. He objects to these practices but seems to believe they give China a competitive advantage. Some of them he thinks the U.S. should adopt. This is the same misunderstanding that led protectionists in the 1980s to think Japan was an unstoppable economic hegemon. State control isn't strengthening the Chinese economy but enervating it.

He is right to see the ruling Chinese Communist Party as a major, long-term threat to U.S. leadership and interests. To weaken China, he advocates a policy he calls "strategic decoupling." That includes imposing escalating tariffs until they drive the U.S.-China trade deficit to zero. Mr. Lighthizer acknowledges the disruption that such a policy would cause if imposed suddenly. But temporary disruption isn't the problem. Separating the U.S. and Chinese economies with huge tax increases on American consumers would cause massive job losses, higher prices and a decline in American

living standards, however gradual the imposition.

Mr. Lighthizer defends Mr. Trump's "America First" trade policies despite their failure to achieve their primary goaldramatically reducing our trade deficits. Our global trade deficit in goods is larger today than when Mr. Trump took office. The former president is now advocating doubling down with a Lighthizer-proposed universal 10% tax on Americans' consumption of all imported goods-for starters

Trump-Lighthizer protectionism has gotten some political traction within the GOP. But it's not clear that promising to raise people's taxes is the best way to get their votes.

Mr. Toomey, a Republican, was U.S. senator from Pennsvlvania in 2011-23.

## **OPINION**

#### REVIEW & OUTLOOK

# Why Is Donald Trump Afraid to Debate?

He's ducking a chance to

answer questions about

his record and platform.

for the GOP presidential nomination, but he's acting as if he has already won.

After skipping the first GOP debate, he is also planning to blow off the second one, scheduled for next week at the Reagan Presidential Library in California. Instead Mr. Trump will give a speech to union workers in Detroit.

Why is Mr. Trump afraid to confront other Republicans without the aid of a teleprompter? Is he worried he'd look his age at 77 next to younger candidates? To state the obvious, Mr. Trump is running to be President and leader of the free world. Voters deserve to hear him defend his record and his platform.

· Abortion. Mr. Trump said this weekend that Gov. Ron DeSantis made a "terrible mistake" by signing Florida's six-week abortion ban. Yet Mr. Trump refuses to explain where in pregnancy he'd draw the line, saying vaguely that "we'll come up with a number."

How? By spinning a giant wheel, like on a TV game show, except marked with "10 weeks," "15 weeks," and so forth? The public takes the abortion question seriously, and Mr. Trump owes a serious answer.

 Covid-19. Whose pandemic policies worked? Mr. Trump has exchanged barbs with Mr. DeSantis, and a recent Trump advertisement intones that "Lockdown Ron" failed Florida. But Florida was one of the earliest states to reopen, and it became a mecca for many Americans fleeing the locked-down blue states.

"Even January of 2021, I was getting hit by the White House task force under Trump," Mr. DeSantis recalled recently. "Weeks before he left office, they were sending us missives to Florida, saying, 'Impose a mask mandate, and close bars and restaurants and businesses.'" Covid was a classic example of an unexpected crisis that Presidents have to face, and Mr. Trump's record deserves a public vetting.

• Trade and tariffs. Mr. Trump wants to impose a 10% tariff on all U.S. imports, which would cost Americans something like \$300 billion a year, while inviting retaliation and alienating friends and allies. Sen. Tim Scott's new economic plan says he would "avoid blunt trade wars with our friends and allies that hurt consumers and set us back in the mission of isolating China." It sounds like a good subject

to debate.

• Foreign policy. Mr. Trump believes so much in the art of the deal that he has pledged to have the Ukraine war "solved in 24 hours." Maybe his fans take this seriously and not lit-

erally, but he ought to explain what he means. Former national security adviser John Bolton wrote in his book that Mr. Trump signaled privately he wouldn't defend Taiwan if China invaded. Is that what he thinks now?

• Jan. 6, 2021. Was Mike Pence right, before and after the Capitol riot, to insist on counting the Electoral College votes for President Biden? During the first GOP debate, the consensus on the stage was yes. Mr. Trump should give his response, including his answer to why his contrary theory wouldn't let Vice President Kamala Harris reject Republican electors after the 2024 campaign.

• Age and competence. The public is understandably worried about the visible decline of Mr. Biden, who is 80 years old and would be 86 at the end of a second term. Yet Mr. Trump would be 82 at the end of his second term in 2029, and he isn't exactly in shape to set records at the YMCA senior triathlon. Do the concerns about age not apply to him?

If Mr. Trump wasn't able to tame the federal leviathan the first time, why should Republicans believe he can do it next time? And who would agree to serve in a second Trump Administration after all the good people he fired and then belittled in the first one?

• Electability. If the GOP fields a candidate from Mr. Biden's generation, instead of someone more vigorous, wouldn't it be giving up an advantage over the incumbent? And did Mr. Trump really try to delete the security tapes at Mar-a-Lago to hide his classified files, as the strongest indictment against him alleges?

Mr. Trump's advisers may be telling him he shouldn't appear lest he say something that hurts his legal defense. But that's a sign of weakness, not strength, and he'll have to answer those questions eventually. What is the former President afraid of?

#### LETTERS TO THE EDITOR

# In Defense of President Trump's Trade Policy

Three points must be made in response to Phil Gramm and Donald Boudreaux's op-ed "Trump's Trade War Was a Loser" (Sept. 12). First, in concluding the policy failed, the authors ignore that the Section 301 tariffs on China reduced our dependency on a global adversary. For the first time, a president challenged China's unfair practices. This alone makes the policy a success.

Second, manufacturing output and employment were both up in the first Trump year, 2017, and again in 2018. In 2019 employment in manufacturing was up; output was up in nominal dollars but down slightly in inflationadjusted dollars. This was a global phenomenon in 2019. Still, the U.S. saw less of a decline than most other advanced countries. The Trump trade policy worked.

Third, the authors claim that countries are better off running trade deficits-consuming more imports and producing fewer exports, a policy that would lead you to bankruptcy in your personal life. They argue, "From the settlement of Jamestown in 1607 until World War I, the U.S. ran chronic trade deficits." Not so. While we ran deficits when we were a colony (and made Britain rich with its surpluses), and in the first years of the republic, over time tariffs were used to build up our manufacturing.

From 1870 to 1970, the U.S. ran surpluses almost every year, many quite large. It is in part because of these surpluses that the U.S. economy became the world's biggest by 1890. We created good jobs and they created strong families and vibrant communities

The trend began to change in the 1970s, but the crisis really started when, in the Clinton administration, Congress passed Nafta and the Uru-guay Round trade deal and gave China permanent most-favored-nation low tariffs—the trifecta of bad policy. Since then, we have run up over \$12 trillion in deficits, more to China than anywhere else. We consequently lost tens of thousands of factories, a di-

saster for our working people. This self-destructive policy was finally re versed in the Trump administration.

In 2019, the last pre-Covid year, median family income rose by 6.8%, the highest since data has been kept. That is why the Trump trade policies are so popular with working people.

ROBERT E. LIGHTHIZER

Palm Beach, Fla. Mr. Lighthizer was U.S. Trade Representative, 2017-21.

Following years of repeated surges in steel imports driven by global excess capacity, the steel tariffs reduced the share of the U.S. market taken by imports. Steel import penetration dropped from 27% in 2017 to 19% in 2019. Concurrently, U.S. steel industry capacity utilization increased from 74% to 80%. Steel employment also increased by 6% in the two years after the tariffs were imposed, compared with a 7% decline in the two years prior.

The tariff program led to new growth, with investments of nearly \$24.1 billion in new, expanded or restarted production. Many of the investments are focused on lower greenhouse gas-emitting steelmaking processes. The U.S. steel industry has the lowest carbon-dioxide emissions intensity among the largest steel-producing nations, and steel is an essential material for the clean-energy technologies we need, including wind, solar, nuclear, hydrogen, carbon capture and electric vehicles.

The global steel overcapacity crisis continues to plague steelmakers, with excess steel capacity estimated at 632 million metric tons-more than seven times total steel production in the U.S. This creates a continuing threat of new surges in imports that would undermine our industry at a time when we are supplying products to rebuild our critical national infrastructure and expand clean-energy

CEO, American Iron and Steel Institute Washington

KEVIN DEMPSEY

# Merrick Garland Ducks

The AG demonstrates

why appointing a special

counsel was a bad idea.

**▼** hortly before the Trump Administration left office, Attorney General William Barr declined Republican calls to

appoint a special counsel for Hunter Biden. We agreed with him. As we warned, a special counsel can bury a case in secret for years, and an AG can duck questions by saying that's the special counsel's job.

Merrick Garland essentially made that point for us on Wednesday. In contentious testimony before the House Judiciary Committee. President Biden's Attorney General wouldn't even say whether he talked to U.S. Attorneyturned-special counsel David Weiss about Hunter's case.

The answers Republicans seek, Mr. Garland suggested, will be addressed "in the public report that will be transmitted to the Congress." Given that a special counsel's report typically comes at the end of an investigation, that means that Congress and the American people aren't likely to get these answers before the 2024 election.

Mr. Garland portrayed himself as independent of both the White House and the details of Mr. Weiss's investigation. But he didn't have to ask President Biden what he wanted. In May the President publicly signaled to prosecutors that there should be no indictments when he

told MSNBC "my son has done nothing wrong."

The one interesting nugget Mr. Garland offered was that he never considered anyone other than Mr. Weiss for special counsel. That's an ex-

traordinary admission given that the reason a special counsel became politically useful for Mr. Garland was because Mr. Weiss had brought the Justice Department's credibility into question.

The first hit came from IRS agents testifying that Justice interfered with their investigation into Hunter. That was followed by the collapse of the sweetheart plea deal that Mr. Weiss had previously cut for Hunter after federal Judge Marvellen Noreika asked some elementary questions.

Maybe the House will get more answers in the coming impeachment hearings, when Congressional subpoenas have enhanced authority. But the next time Republicans demand a special counsel, they might remember the lesson of Merrick Garland: A special counsel may be the best way to duck accountability.

#### The Service a Good Active Manager Provides short, they don't stay the course,

In "Indexing Is Still the Best Bet for Investors" (op-ed, Sept. 14), Burton Malkiel states that "more than 90% of active managers fail to beat the market." This may be true, but it misses the point in two respects.

First, the primary goal of an active manager isn't to beat the market or index but to produce an acceptable return at the lowest possible risk level. In this sense, removing emotion from the decision

process is paramount. Second, the vast majority of "indexers" are also do-it-yourselfers, and they consistently make investment decisions based on emotions. Even professional money managers can fall prey to the same emotional pressures. They become too fearful close to the bottom, and they become too euphoric close to market tops. In

which prevents the indexing philosophy long promoted by Jack Bogle from working effectively. The assumption that smart investors will index and stay the course through all the emotional gyrations in the market isn't supported by money-flow evidence. It shows the opposite.

Active managers can therefore provide an invaluable service. The disciplined ones refrain from emotional decision-making. Over the long run, they produce reasonable returns and prudent risk management, which allows investors to achieve reasonable retirement goals That is what investing is all about; it is what I did professionally for nearly 40 years.

MIKE KAYES, C.F.A.

# The Federal Reserve's Dotted Line

Powell stands pat on

rates but signals tighter

money for longer.

rom the central bank that brought you rate at the end of 2024 has risen to 5.1% from the "hawkish pause," the Federal Reserve is now pleased to present the "hawkish dot plot." The Federal Reserve long Months (Computer Computer Compu

eral Open Market Committee on Wednesday paused its campaign of interest-rate increases for the second time this year, while delivering new economic projections that reinforce its commitment to tame infla-

tion even in an election year. Chairman Jerome Powell held the overnight

fed funds rate at 5.25%-5.5% while signaling one more quarter-point increase might be on tap before the end of the year. The Fed will continue shrinking its balance sheet by allowing Treasury bonds and mortgage-backed securities to roll off as they mature

More important, however, is the signal Mr. Powell and colleagues sent about the future in the quarterly Summary of Economic Projections, including the famous dot plot of interest-rate estimates. The Fed seems to believe a soft landing may be more likely now, meaning inflation can be tamed without a recession.

Fed officials think inflation-adjusted GDP will grow 2.1% this year, up from an estimate of 1% in June, and that unemployment will be lower than previously thought. The optimism extends to next year, when they predict better outcomes for these indicators than they did three months ago.

The bad news—for Wall Street, anyway—is that Mr. Powell also thinks rates will have to stay higher for longer in order fully to tame inflation. The median estimate for the fed funds

after the announcement Washington also will take note, since the Fed's revised projections imply that Mr. Powell is prepared to maintain tighter monetary policy

for longer even in an election year. Rates may be lower by next November than they are now, but not by as much as incumbent politicians might wish.

We might quibble with the reasoning behind Mr. Powell's dotted line in the sand. The Fed believes it will have to maintain higher rates for longer in case GDP growth and the labor market are too healthy to keep inflation down. This is the old Phillips Curve logic that's been discredited time and again. The better reason for this policy is that the consistently positive real interest rates the Fed now expects stimulate productive investment while disciplining capital markets and getting inflation back to its 2% target.

As important are the political signals Mr. Powell has sent lately. At his Jackson Hole speech in August, he refused to consider raising the Fed's inflation target to 3%, a ploy that would let the Fed declare victory over infla-tion prematurely. On Wednesday he warned that taming inflation is his principal focus, despite likely political pressure to ease more in an election year.

The Fed's credibility took a hit when it allowed inflation to gather too much steam in 2021. This is the way to gain it back.

# FDA's Imposition on the Practice of Medicine

Regarding Joel Zinberg's op-ed "Court to FDA: Stop Playing Doctor" (Sept. 15): For decades, the Food and Drug Administration has opposed offlabel prescribing. This has included efforts to sanction pharmaceutical companies that convey to physicians even truthful information about a drug's efficacy for any condition other than that for which it was approved. Now the FDA has gone after doctors.

Ivermectin is the most recent case in which the FDA "claims broad aude facto definition of what may be prescribed. It was done in the complete absence of statutory authority. and it is contrary to the historical allocation of authority between Washington (drug approval for safety and efficacy) and the states (regulating

#### RFK Jr. Runs Into the Democratic Party Machine

To Robert F. Kennedy Jr.'s assertion that the Democratic National Committee favors some candidates over others ("The Democratic Party Rigs the Primaries," op-ed, Sept. 13), I can only say, no duh! In 2016 the DNC leaked debate questions to the Clinton campaign, discussed how to use Bernie Sanders's atheism against him, and leveraged superdelegates to throw the contest to Hillary Clinton The party we are supposed to thank for saving democracy doesn't elect a standard-bearer; it anoints one. The results in 2016 left such Democrats weeping in the streets. The good news? They don't learn.

RAVI MOONKA Mercer Island, Wash.

Letters intended for publication should be emailed to wsj.ltrs@wsj.com. Please include your city, state and telephone number. All letters are subject to editing, and unpublished letters cannot be acknowledged.

doctors and the practice of medicine). The Covid panic has taken matters further and some state pharmacy boards have opined on whether certain drugs may be used to treat Covid, again dictating to doctors how they may practice. As further evidence of the politicization of medicine, state medical societies have been largely silent in the face of egregious impositions on the practice of medicine.

ROGER LEEMIS Southfield, Mich.

## Iran and 'Human Capital'

The latest round of U.S. diplomacy set a \$1.2 billion price tag on each of the five U.S. captives held in Iran ("What About the Next Hostages?" Review & Outlook, Sept. 19). With 334 million Americans in the U.S. this implies a valuation of around \$400 quadrillion on the U.S. population. So measured in human assets, it turns out this country is more valuable than we ever thought.

PAUL E. GREENBERG Brookline, Mass.

#### Pepper ... **And Salt**

THE WALL STREET JOURNAL



# Ukraine's Judges Shoot Down Drones

By Jillian Kay Melchior

Kviv. Ukraine Y ophisticated Western air-defense systems are the main reason the Ukrainian capital sleeps easier these days. Another is a bunch of machine gun-wielding judges on the rooftops of Kyiv.

After Russia launched its full invasion of Ukraine, a group of current and retired judges formed a paramilitary squad called the Mriya—an homage to the Ukrainian cargo plane that was the world's largest before the Russians destroyed it early in the war. Mriya comprises some 380 volunteers, 35 or so of whom are judges. They turned their attention to air defense last fall as Russia started attacking Ukraine with Iranian-made Shahed drones

A Shahed travels up to 115 miles an hour-slow enough to shoot out of the sky, though you have to be a hell of a marksman. The Mriya squad has managed to take down five of them since last fall, says Judge Yuriy Chumak of the Supreme Court of Ukraine, the nation's highest tribunal on nonconstitutional issues.

#### Yuriy Chumak, a member of the Supreme Court, patrols the skies with a tablet and machine guns.

On the day I visit, Judge Chumak, 48, and two others patrol the skies with a 1944 Soviet Maxim re coil-operated machine gun that can fire several hundred bullets a minute, as well as a smaller 1964 Czechoslovakian general-purpose machine gun. They use a tablet to track any incoming drones, and Judge Chumak says that when they get close "they're noisy. You can hear it."

A drone is "easier to shoot if it comes toward you," he adds. But if it's buzzing across the sky, you aim slightly ahead before firing, like a hunter shooting an antelope. The judges have night-vision goggles and lasers to help track the incoming

Russians are menacing Ukrainian cities with Shaheds in part because they're relatively cheap and plentiful, and traditional Western air de-fenses are expensive. Different estimates put the cost of a Shahed between \$40,000 and \$60,000, but the price of a single Stinger missile can range from \$400,000 to \$500,000. Machine guns aren't \$500,000. Machine guns aren't nearly as accurate, but they "help to save rockets" and are "an easy and cheap way to shoot down drones, Judge Chumak says. He and his colleagues volunteer without pay. They work in teams of three or four. They've erected a shed on the rooftop where they wait in winter weather. They built a makeshift wooden patio for the summer, covered in camouflage. They crack jokes as they stand guard.

Viktor Fomin, 61, is also patrolling the roof during my visit. He's a retired trial judge from Melitopol, a southern Ukrainian city now under Russian occupation. He and his family fled with three backpacks on Feb. 24, and by Feb. 25 he was trying to enlist in the territorial defense in

Judge Fomin was initially rejected because of his age, but after he participated in a combat clash with an enemy sabotage group he was given company commander because of his leadership role as a judge and his Soviet-era experience as a guard on the border with Iran. His company defended Kyiy and helped evacuate civilians from Bucha and Irpin. But after half a year, the military terminated his service, again citing age. Within a week, Judge Fomin had

begun volunteering with the Mriya. If I do not do this now," he says, "my children and grandson will not have a peaceful future.

Ms. Melchior is a London-based member of the Journal editorial

# America in the Age of 'Retcon'

By Lance Morrow

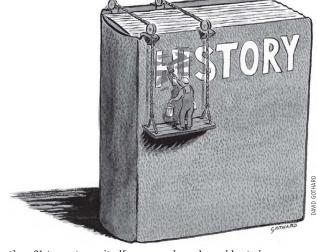
t was only two years ago that the term "retcon," short for "retroactive continuity," made it into the Merriam-Webster dictionary. Odd that it took so long: Retcon for some time has been the 21st century's way of life-its metaphysics, almost.
According to the dictionary, the

word refers to "a literary device in which the form or content of a previously established narrative is changed. Retcons are often encountered in serial formats such as comic books or television series." It will help if you think of the 21st century as a comic book. Retcon retrofits the past plot to suit present purposes. It "serves as a means of allowing the work's creators to create a parallel universe, reintroduce a character, or explore plot lines that would otherwise be in conflict with the work."

Retcon, in short, is an instrument for editing history to escape its inconvenient implications—its truth, if you insist, when applied to real life. It's a sort of magic realism, an intellectual mulligan in the age of screens. It enables a "general disregard for reality," allowing the writers to get rid of a plot line that has gotten boring or to bring back a character from the dead. Merriam-Webster cites an early example: Though Sherlock Holmes died at the Reichenbach Falls, the author, Arthur Conan Doyle, retroactively declared that his death had been

Every presidential race involves a certain amount of this vaudeville. Donald Trump, a past master of retcon, is succinct in his formulations: "Fake news!" he cries. He also says, with increasing frequency: "Not guilty!" Joe Biden says the same thing. That, it seems, will be a dominant motif of 2024—two old men yodeling across the valley at one another: "Not guilty!" "Not guilty!"

But retcon has come to have much broader application. It's as if



21st itself came century equipped with an enormous delete key, which, when you hit it, causes the former world to disappear. You may then fill up the empty screen with your own alternative reality.

Back in the Atlantis of 20th-century America, it was believed that there were two sexes, male and female. But 21st-century retcon (revi-

Rewriting the past to suit the fashions of the present is harmless in fiction but a danger in real life.

sionism on LSD) tells us that you are whatever sex—or, rather, "gender"—you say you are. Marriage, which in the former world was between a man and a woman, may now be between a man and a man or a woman and a woman. The retcon of samesex marriage, though highly improbable in the earlier context, has been widely accepted and has settled

down, by and by, to become as orthodox and bourgeois as Ozzie and Harriet. Be careful, though: Retcon has a way of jumping the shark (destroying its own narrative by not knowing when to stop). Thus, the term "woman" is problematic, and we are no longer certain that such people exist, because to say might insult the men who say they are women.

The old binaries were, so to speak, Newtonian. The new categories have all the nuance and unknowability of quantum mechanics. They are as whimsical as the moods of the Red Queen. The southern border is secure! It isn't shoplifting, it's social justice! Suicidal incompetence—say, by mayors of once-great cities—has yet a flickering aura of virtue about it: the valor of a lost

America itself was formerly a good thing, more or less. "The last, best hope," as Abraham Lincoln said. That was in the old dispensation. Retcon turns the narrative upside down. Retcon is pretty sure that Lincoln was a racist and that the U.S. is, if not evil, then at the very least wicked to the core: white supremacist and founded—as the New York Times states in its resounding ret-con, the "1619 Project"—for the purpose of enslaving black people.

American retcon in one of its moods is paranoid, or infested with nihilistic gloom, like a Dostoevsky character. Its assaults on the former reality smack of the Oedipal. The old America was an evil dad and must be murdered. Thomas Jefferson is Darth Vader. The docents at Monticello now speak of him with distaste. Soviets in the old days practiced

brutal retcon. They purged their history books, causing ideologically inconvenient characters to disappear from the record—and from the face of the earth. The ineffable Charles de Gaulle exercised his mystic retcon when he persuaded the French that they had been the heroes of their own liberation from German occupation. People need the consolation of their myths. To adapt a phrase of Saul Bellow's, retcon may "keep the wolf of insignificance from the door."

Such revision, quick as the click of a mouse, is the indispensable tool in politics, government, media, popular culture and historiography: a metaphysics of lies and half-truths, or, conversely, of bright new possibilities. Retcon is a reset artist. Whether it's good or bad depends on your politics. Retcon is a monster and some-

times a creative genius. Retcon asserts "my truth" and rejects, as necessary, natural law. When out of control, it results in a Tower of Babel—a dynamic of madhouse democracy, as the Founders feared. A fish rots from the head first, and so does a country. Under a regime of pervasive untruth, the leaders become worse than their followers. We're getting there.

Mr. Morrow is a senior fellow at the Ethics and Public Policy Center and author of "The Noise of Type-writers: Remembering Journalism."

# AI Can Do as Bad a Job as Your PR Department

By Joshua Ben Rosen

ince ChatGPT exploded into popular awareness, many businesses have contemplated how they could use it to cut costs. The prospect is particularly enticing for marketing and communications, given that a majority of executives who oversee these functions see content production as one of the most valuable applications of generative artificial intelligence.

Some researchers are predicting that AI eventually could eclipse or even replace employees who perform such time-intensive tasks as assembling reports and writing news releases. But just because AI can churn out large volumes of coherent text doesn't mean it can take over these responsibilities. The misconception that it could is rooted in the same mindset that has allowed much of the business communications field to stray from

Businesses make countless decisions-many are routine, while others, such as mergers and acquisi-

tions, are made only after lengthy deliberations. Aside from competitive secrets, part of an organization's purpose is to communicate with the public to help outsiders understand the positions and actions it takes. When profits and market share are on the line, the stakes are especially

Unfortunately, over the last decade or so companies have been publishing increasingly diluted content to keep pace with faster media cycles. This feed-the-beast mentality has resulted in too many announce-ments and thought-leadership pieces that are littered with rhetorical nothingisms—generic words and phrases that resemble real thoughts and concepts but fail to convey meaning. These are the textual equivalents of stock imagery

News releases, for example, constantly refer to a "leading" company taking a "transformative" step that promises to "create synergies," "amplify differentiators" and benefit "key stakeholders." Almost without fail, the CEO quoted

This isn't jargon, which refers to special words or abbreviations that can be confusing to those outside a particular field. That's inside baseball. Rhetorical nothingisms are the opposite. They render a precise thought or concept so accessible

News releases these days are full of meaningless nothingisms, which a robot could easily produce.

that it becomes incomprehensible. Making AI the ghostwriter for American businesses would exacerbate this problem. Prompted to draft a press release on an acquisition, ChatGPT would draw on a vast number of prior news releases announcing acquisitions, combing the archive of rhetorical nothingisms to

produce its own low-caliber content. Instead of outsourcing communications to AI, businesses should re-discover the reason for the prac-

-to convey ideas real humans think and explain their actions at a particular moment, in a particular place and under a particular set of

circumstances.
Sitting down with decision makers to make sense of their thoughts and then putting those thoughts into words can't be automated. Humans must do it. Committing to meaningful business communications might mean publishing less content, but that is a small price to pay for trust and credibility.

Companies may have to rely on human-produced content in the long run anyway. If every company starts sending out an endless stream of AIgenerated material, the resulting feedback loop will nearly guarantee that all the material will start to sound the same. Originality and authenticity would be the only way to cut through the noise.

Businesses are made up of people. Articulating what they do and why is no project for a robot.

Mr. Rosen is a communication

# Who Killed Hardeep Singh Nijjar?

By Tunku Varadarajan

hen Americans pay attention to Canada, it's usually because something up north has gone badly wrong. So we Ottawa, where Prime Minister Justin Trudeau has triggered an eyecatching diplomatic clash. In parliareturning from the Group of 20 conference in New Dollar 22 accused the Indian government of killing a Canadian citizen on Cana-

This is a grave, even breathtaking, public accusation by one friendly democratic government against another. The alleged perpetrator of extraterritorial murder happens to be the world's most populous democracy and an increasingly crucial partner of the West and Japan in the tense global cold war with China.

The man India is accused of bumping off is Hardeep Singh Nijjar, a Sikh plumber from British Columbia. The Indian government had deof "Khalistan," a notional independent homeland that a vocal successionist minority of Indian Sikhs have sought to create since the early 1980s. Canada is home to more than 750,000 Sikhs, the largest concentration outside India. One of them is Jagmeet Singh, the New Democratic Party's Khalistan-sympathizing leader and the junior partner in Mr. Trudeau's governing

What should we make of the conflict? It's important not to let distaste for Mr. Trudeau—an opportunistic, lightweight, preachy handwringer of a politician—get in the way of the distressing point that India might well have gone rogue. If Mr. Trudeau's allegation is true, India-which styles itself the "mother of democracy"-has crossed a line no civilized nation should cross. If India killed Nijjar, its actions are in a class with those of Vladimir Putin's Russia and the ayatollahs' Iran.

India contends, not without reason, that Canada is home to a troubling cohort of "Khalistanis," Canadian Sikhs who agitate from afar for secession-and who send money to agitators and extremists in India's Punjab state. The role played by separatist Sikhs in Brampton, Ontario, and Surrey, British Columbia, is, in this respect, akin to that once played in the politics of Ireland by hard-line

Irish-Americans in Boston.

Yet the Indian government fails to accept that the mere expression of separatist opinion-which in India's less liberal democracy can get a man classified as a terrorist—is, mental democratic right. India wants Canada to crack down on rallies and fundraisers for "Khalistan." which Canadian law permits as a form of free speech. Canada can't and won't.

Justin Trudeau accuses the Indian government. For geopolitical reasons, we may not want to know.

Did India's frustration with this free-speech impasse lead to a decision to assassinate a man it re garded as a secessionist ringleader? It seems unlikely that Mr. Trudeau would make such a splash if he didn't have solid evidence, but it's unclear that he's made it available to Canada's closest allies-the U.S. the U.K. and Australia-whose support he has sought. So far, none of these countries have shown any enthusiasm for putting India in the dock, which is scarcely surprising, given India's value in any global coalition against China. Their unwillingness to join in Mr. Trudeau's anti-India allegations is, perhaps, compounded by his notable fecklessness in dealing with China, especially after recent and credible accusations that Beijing interfered

in Canadian federal elections. And since Mr. Trudeau's poll numbers are at a nadir, it's easy to conclude that hitting at India serves as a convenient distraction.

The geopolitical imperativeagainst China-dictates that a compromise solution be found to end the standoff between Ottawa and New Delhi. The new cold war calls for a strategy not unlike the first one, requiring the West to deal with imperfect allies or partners. You hold your nose and shake hands with Prime Minister Narendra Modi because you need him in the trenches against Xi Jinping.

Morally murky as it may be, the allies need to find a way to get Mr. Trudeau to walk back his accusation. At the same time—and as part of the compromise—it has to be made clear to Mr. Modi that there can be no assassinations by Indian operatives on the territory of friendly countries. Canada's investigation would taper off in exchange for a commitment from India to perform no such stunts in the future, as well as to reconcile itself to the fact that Canada is a proper democracy with full free-speech rights, even for Sikh

Canada will back down. The only way for India to save face—which has to happen to safeguard the free world's anti-China alliance—is for Canada to lose some.

Mr. Varadarajan, a Journal contributor, is a fellow at the American Enterprise Institute and at New York University Law School's Classical Liberal Institute.

# THE WALL STREET JOURNAL.

PUBLISHED SINCE 1889 BY DOW JONES & COMPANY Rupert Murdoch Robert Thomson

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Liz Harris, Managing Editor Charles Forelle, Deputy Editor in Chief Elena Cherney, News; Chip Cummins, Newswires; Andrew Dowell, Asia; Brent Jones, Culture, Training & Outreach: Alex Martin, Print & Professional Products; Philana Patterson, Audio; Matthew Rose, Enterprise; Michael Siconolfi, Investigations; Amanda Wills, Video

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# WORLD NEWS

# Armenian Separatists Capitulate

Cease-fire ends years of armed struggle with Azerbaijan in contested region

By Thomas Grove

Armenian separatists in Nagorno-Karabakh agreed on Wednesday to disarm and discuss reintegration with Azerbaijan following a swift but deadly assault by Azeri forces, a capitulation that signals the end of decades of ethnic-Armenian rule in the enclave and the rapid decline of Russian influence in the former Soviet Union territories.

The terms of the cease-fire lay groundwork that could bring to a close the autonomous rule by the population of Nagorno-Karabakh, which was won from Baku in a bloody yearslong war after the

fall of the Soviet empire. Fighting appeared to continue in parts of the enclave hours after the signing of the cease-fire, but the speed at which the Armenian separatists agreed to abandon their armed struggle underscores Moscow's waning power over events in the region as its forces are stretched in Ukraine. The Kremlin has used the frozen conflict—one of a handful that dotted the post-Soviet landscape—as a lever to maintain sway over Armenia and Azerbaijan. Over the years, Moscow has sent both weapons and peacekeepers to the region while using diplomacy to retain its position as ultimate arbiter over geopolitics there.

"Russia's leverage is much weakened by what's happening



An image released by the Russian defense ministry shows civilians evacuating from the region.

in Ukraine. We see the Armenians moving away from Russia and Azerbaijan having a re-lationship with Russia that is more on its own terms," said Thomas de Waal, an expert on Nagorno-Karabakh and senior fellow at Carnegie Europe, a Brussels-based think tank.

Nagorno-Karabakh said it lost 24 civilians and soldiers in the daylong conflict that began with artillery assaults on what Azerbaijan said were Armenian military targets in the breakaway region. Locals posting on social media also reported strikes on residential neighborhoods in the territory's main city, Stepanakert. Russia's defense ministry said peacekeepers had come under fire and died. Azeri authorities haven't published casualty information.

Azerbaijan says it plans to take back the enclave—which sits inside its borders but is populated almost entirely by ethnic Armenians who have ruled since the 1990s under the terms of a peace deal brokered by Russia. Skirmishes in the years since erupted into conflict in 2020 when Azerbaijan reclaimed areas around the territory. That battle ended, again with Russian arbitration, guaranteeing Armenian separatists control over Stepanakert and supply routes from Armenia, policed by Moscow's troops. But peace

has remained shaky.

A senior Azeri official said
Baku had advanced on the enclave while Russia's troops and arms are tied up in Ukraine. Baku had told Russia about its intentions ahead of time, the official said, but Moscow failed to act in part because it seeks regime change in Armenia. Armenian Prime Minister Nikol Pashinyan has criticized Russia's capabilities as a guarantor of security and worked to forge stronger links with the West.

The official said further hostilities couldn't be ruled out if reintegration talks scheduled for Thursday collapse.

Pashinyan said his govern-ment supported the decision of the Nagorno-Karabakh separatists, but that the cease-fire hadn't entirely stopped hostilities, which local journalists said were continuing sporadically even in Stepanakert. It couldn't be learned whether the ethnic Armenians there were involved in any fighting.

The cease-fire terms were offered by Russian peacekeepers who have remained inside Azerbaijan's territory, but were likely drawn up in close coordination with Azerbaijan, The U.S., Russia and the

European Union said they had all made last-ditch efforts to dissuade Azerbaijani President Ilham Aliyev from attacking the territory, which has long held the trappings of an inde pendent state but remained unrecognized internationally. Nagorno-Karabakh has relied almost solely on Armenia for its links to the outside world.

Russia, which still has a military base inside Armenia, has seen its influence steadily wane in the South Caucasus, a territory crisscrossed by pipelines where the U.S., Turkey and Iran all vie for influence.

This month, U.S. forces began joint military exercises that saw 175 Armenian soldiers training for 10 days with about 85 soldiers from U.S. Army Europe and Africa Command outside the Armenian capital, Ye-

On Tuesday, Secretary of State Antony Blinken called the leaders of Azerbaijan and Armenia to express his concern over the escalation. Blinken, who was attending the United Nations General Assembly, urged Azerbaijan's Alivev to cease its military action in Nagorno-Karabakh. He also told Pashinyan that he had urged Azerbaijan to return to dialogue immediately.

—Bojan Pancevski and Vivian Salama contributed to this article.

#### Watch a Video



Scan this code for a video on the situation in the Nagorno-

# Britain Bores In On Investors, **Touting Stability**

AND DAVID LUHNOW

LONDON—It isn't a political slogan that would win many votes: Make Britain Boring

Again.

But for the first time in nearly a decade—after nonstop drama from Brexit to the colorful antics of Boris Johnsonpolitics in Britain is eliciting yawns rather than headlines. And that's good news for the world's sixth-biggest economy.

A year after a political and financial crisis sent the pound plummeting and ushered in the country's fifth prime minister in seven years, things have settled down under have settled down under Prime Minister Rishi Sunak, allowing business investment to grow and finally surpass levels last seen before Britain's 2016 vote to quit the European Union. The economy is stuck in very slow growth but has avoided widespread ex-pectations of recession and

proved surprisingly resilient. A symbol of this return to stodgy stability is Jeremy Hunt, the exchequer, who this week travels to the U.S. West Coast to meet with tech companies.

He aims to pitch post-Brexit Britain as a land of business-friendly regulation, the highest number of unicorn startups in Europe, access to a hefty finan-

world-class universities.
"I think it's about being nimble and reacting to changes. But doing so in a predictable way," he said in an interview in his offices at 11 Downing Street. "That's the way that you encourage the most investment.

There is nothing in the pro-

## U.K. business investment,



Notes: 1Q 1997=100; seasonally adjusted Source: Office for National Statistics



Chancellor of the Exchequer Jeremy Hunt doesn't want government spending to juice growth.

gram to get pulses racing or address Britain's long-term problems of weak economic growth and flatlining producsavs Britain can't afford either huge tax cuts or the subsidy bonanza that the U.S. and others are pursuing in the race for green technologies. And he doesn't want government spending to juice economic growth while the Bank of England tries to contain inflation running at 6.8%, one of Europe's highest rates.

Hunt said Britain is happy to sit back and have U.S. taxpayers dish out funding for clean-energy technologies un der President Biden's \$369 billion Inflation Reduction Act erate the move to zero-carbon emissions and lower prices for green technology, eventually

boosting other economies.

While lacking ambition, this kind of unexciting vision is a relief for investors and businesses after years of uncer-tainty in British politics, said Kallum Pickering, an economist at Berenberg, a bank. Capital spending by businesses is, for now, back on its pre-2008-financial-crisis trend, though that could prove temporary.

Britain recently scored some big wins for its automotive sector, with German car-maker BMW pledging an in-vestment of 600 million pounds, equivalent to \$743 million, to produce electric versions of its Mini car, easing worries its plant in Oxford would close. That followed ment by Jaguar Land Rover owner Tata in a new electriccar-battery factory in Somerset, southwestern England.

Despite stabilizing the economy, however, many economists say neither Hunt nor Sunak have offered plans to tackle deeper-running prob-lems, which include a crisis-hit state-run healthcare system, dilapidated infrastructure from schools to roads, and a lack of housing that makes homeownership almost impossible for many young workers. Polling suggests voters look likely to kick the ruling Conservative Party out of office next autumn, when elections are expected to usher in Labour for the first time since 2010.

Despite the pickup in investment, "the economic pickup we expect is still quite weak Alpesh Paleja, an economist at the Confederation of British Industry, a business lobby group.

# U.K. Drop In Inflation **Eases Rate** Pressures

By Paul Hannon

LONDON-The U.K.'s annual ate of inflation fell for a third straight month in August, surprising economists and increasing the likelihood that the Bank of England may soon pause a series of increases in its kev interest rate.

The U.K.'s statistics agency on Wednesday said consumer prices in August were 6.7% higher than a year earlier, down from the 6.8% rate of inflation recorded in July. Economists had expected to see a slight pickup in inflation driven by recent rises in oil prices.

While that was a welcome development for the BOE, the more encouraging news was that core inflation—which excludes volatile items such as food and energy—fell more sharply, to 6.2% from 6.9%.

Over recent months, BOE officials have highlighted their worries that rapidly increasing wages might drive a fresh rise in services prices. But services inflation eased in August to 6.8% from 7.4%, hitting its lowest level since March.

Before the release of the inflation figures, investors had expected the BOE to announce a 15th consecutive increase in its key interest rate on Thurs-day. Many still do, but now see the decision as less clearcut for the rate-setting Monetary Policy Committee.

"It's a very close call, but we're still tempted to say the bank will follow through with bank will follow through with a hike tomorrow," said James Smith, an economist at ING Bank. "But we could get a cou-ple more members voting for a pause, and either way a rate hike tomorrow, if it comes, is likely to be the last."

The pound slipped slightly against the dollar on expectations interest-rate increases might be nearing an end. Even after recent falls, the

U.K.'s inflation rate remains higher than those of its peers. In the U.S., consumer prices in August were 3.7% higher than a year earlier, a pickup in inflation from July.

Consumer prices across Euope are rising at a faster pace than in the U.S., reflecting the jump in energy and food prices that followed Russia's invasion of Ukraine in early 2022. But there are signs that efforts by central banks to cool demand by raising the borrowing costs of households and businesses are bringing inflation down, albeit slowly.

In the eurozone, consumer prices rose by 5.2% in the 12 months through August, a decline in the rate of inflation from 5.3% in July. Core infla tion also fell, as did services inflation, but not as sharply as in the U.K.

However, rising interest rates, coming on top of the damage caused by the Ukraine war, have brought Europe's economies to the brink of contraction. The U.K.'s economy contracted in July, although that was partly because of unusually wet and cold weather mer goods and services. But business surveys for August pointed to further weakness.

**MEXICO** 

#### Migrant Surge **Spurs Rail Cutbacks**

Mexican railroad company Ferromex said it suspended freight operations on a number of lines serving border cities following a surge in the number of U.S.-bound migrants jumping on the trains.

The unit of mining and transport company Grupo Mexico said late Tuesday it had stopped 60 freight trains on northbound routes in areas mostly used by Central American and Venezuelan mi grants to get to the border.

In recent days, there have been around a half dozen incidents in which migrants have been injured or killed after jumping onto the trains, Ferromex said.

Mexican migration authorities began coordinating in March with Ferromex and Ferrosur, a Grupo Mexico railroad in southern Mexico, to deter migrants from riding

-Anthony Harrup

**UNITED KINGDOM** 

#### **Sunak Delays Ban** On Gas, Diesel Cars

Prime Minister Rishi Sunak said he is delaying by five years a ban on new gas and diesel cars due to take effect in 2030, watering down climate goals he said imposed "unacceptable costs" on ordinary people.

The move angered green groups, opposition politicians and large chunks of industry, but was welcomed by some in the Conservative Party.

Sunak said he was moving the deadline for buying new gasoline and diesel cars to 2035 from 2030, weakening a ban on new natural-gas home furnaces due to start in 2035. and scrapping a requirement for landlords to make proper ties more energy-efficient.

He said he would keep a promise to cut emissions of climate-warming greenhouse gases to net zero by 2050, but with "a more pragmatic, proportionate, and realistic approach." -Associated Press **VENEZUELA** 

## Democracy at Risk, **Rights Experts Say**

Venezuela's government has intensified efforts to curtail democratic freedoms with use of threats, surveillance and harassment as President Nicolás Maduro faces a re-election contest next year, U.N.-backed human-rights experts reported on Wednesday.

An international fact-finding mission authorized by the Human Rights Council notes that violent repression between 2017 and 2019 eased after the coronavirus pandemic broke out the following year. That coincided with a drop in huge protests against the govern-

A report by the mission three years ago decried "crimes against humanity" in Maduro's Venezuela.

In the run-up to the 2024 presidential election, the experts warned, political interference has been on the rise. —Associated Press

## WORLD WATCH



THESE BOOTS ARE MADE FOR TOSSING: Nine hundred and ninety-five people throw wellies at the National Ploughing Championships in Laois, Ireland, in a bid to set a Guinness World Record.

2022 Down Jones of Company All Pights Passaryas

THE WALL STREET JOURNAL.

Thursday, September 21, 2023 | **B1** 

S&P 4402.20 ▼ 0.94% S&P FIN ▼ 0.66% S&P IT ▼ 1.77% DJ TRANS ▲ 0.01% WSJ\$IDX ▲ 0.16% 2-YR. TREAS. yield 5.118% NIKKEI (Midday) 32647.72 ▼ 1.14% See more at WSJ.com/Markets

# Rate-Sensitive Tech Stocks Press Markets

Fed pauses, but Wall Street buckles in for long ride with higher borrowing costs

By David Uberti

For months, investors snapped up tech stocks as if they didn't believe the Federal Reserve's promise to slow the American economy by keeping interest rates higher. Wednesday gave the latest evidence that the tech trade is cooling.

The central bank unveiled its long-telegraphed rate-hike pause but warned of possible increases to come. Markets largely didn't like the message.

Bond yields hovered near at least 15-year highs, and big tech companies that powered the 2023 rally dragged down stocks, suggesting Wall Street is finally getting ready for a longer period of higher borrowing costs.

Modest losses by Amazon.com, Apple, Alphabet, Microsoft, Meta and Nvidia helped push the tech-heavy Nasdaq down 1.5% and pushed the S&P 500 0.9% lower. The Dow Jones Industrial Average fell 0.2%.

The belief in a return to ultralow interest rates—despite central bankers' hawkish messaging—made future profits promised by such firms particularly enticing. But Wednesday highlighted the slowdown in

the tech trade, dimming major stock indexes' outlook. All three have posted losses so far this month.

"There has been disagreement between what the Fed has been saying, what the bond market was doing and what the equity market was doing," said Eric Sterner, chief investment officer at Apollon Wealth Management. "They are all starting to come together now."

Sterner said tech stocks are increasingly under pressure as

higher rates buoy bond yields and entice investors to redirect more cash to the Treasury market. While the yield on the benchmark 10-year note fell to 4.346%, it remained near its highest level since 2007.

More sensitive to investors' inflation expectations, two-year Treasury yields ticked upward to 5.118%, their highest level since 2006.

At a news conference, Fed Chair Jerome Powell said central bankers believe the U.S. economy remains robust, good news for investors who are increasingly betting on a soft landing. But he cautioned that cooling price pressures could require a longer period of the higher rates that could weigh on corporate investments and earnings. "We need policy to be restrictive so we can get inflation down to target, OK?" Powell said. "And we're going to need that to be the case for some time."

Please turn to page B11

#### Klaviyo's first day of trading



29 One-minute intervals

1 p.m. 2 3

Source: FactSet

# Klaviyo Shares Soar 9.2% In Debut

By Denny Jacob

Marketing-automation platform **Klaviyo** saw its shares rise 9.2% in their market debut.

The Boston-based firm helps companies send moretargeted emails and text messages. It was founded in 2012 by Andrew Bialecki, its chief executive, and Ed Hallen, chief product officer.

Shares of Klaviyo, trading on the New York Stock Exchange under the ticker KVYO, opened at \$36.75 Wednesday, 22.5% above its initial public offering price of \$30. Shares traded as high as \$39.47 and closed at \$32.76.

Klaviyo offered 19.2 million shares in the IPO. On a fully diluted basis, Klaviyo had about 307.9 million shares outstanding, giving the company a market value of about \$9.2 billion at the IPO price.

Klaviyo's stock jump in its debut follows highly anticipated IPOs from grocery-delivery company Instacart and British chip designer Arm. Shares of Instacart, formally known as Maplebear, rose 12% on Tuesday in its first day of trading on the Nasdaq exchange. Arm's stock rose 25% in the trading of the company of the comp

in its stock-market debut.
Shares of both companies

have since come down.
Companies beyond the tech sector are exploring public offerings as well. Shoemaker Birkenstock Holding last week filed for its IPO, with plans to list shares on the New York Stock Exchange. The company didn't say how many shares it would list or give an anticipated price range.

Klaviyo, which derives its name from a Spanish word for mountaineering pins, reported revenue of \$320.7 million for the first half of this year, up more than 50% from the same period a year earlier.

The growth helped the company swing to a profit of \$15.2 million, compared with a loss of \$24.6 million in the first half of 2022, according to securities filings.

The company said its platform had over 130,000 customers. A chunk of its revenue comes from the online shopping company **Shopify**. Klaviyo said that nearly 78% of its annual recurring revenue comes from customers that use Shopify's platform.

Shopify invested about \$100 million in Klaviyo in July 2022 and has a nearly 12% stake in the company following the offering. Klaviyo raised about \$455 million in funds before its public debut.

# Bud Owner Stops Cutting Tails Off Clydesdales

By Saabira Chaudhuri

Budweiser owner Anheuser-Busch InBev said it has stopped cutting the tails off its famous Clydesdale horses after months of pressure from animal-rights activists who say the practice is cruel.

The brewing giant's concession to activists comes as it tries to navigate its way through the culture wars, after a consumer backlash over a promotion with transgender influencer Dylan Mulvaney buffeted sales. The Budweiser Clydesdales rank among America's best-known corporate icons and are one of AB InBev's oldest and most consistently used marketing motifs.

Budweiser owns dozens of Clydesdales that reside at its breweries in St. Louis and has a further 75 at its Warm Springs breeding ranch in Boonville, Mo. It has used the Clydesdales for marketing since 1933, when it sent a beer wagon drawn by six horses across the East Coast delivering Buds in celebration of the end of Prohibition.

read of Prohibition.

People for the Ethical Treatment of Animals, or Peta, and other nonprofits have campaigned for months to get AB InBev to stop docking the horses' tails. The practice causes horses lifelong pain, affects their balance, leaves them unable to brush away flies and interferes with their ability to communicate with herdmates, the groups say.



Tail docking is banned or restricted in 10 U.S. states, including New York and California and is curbed in some European nations

This month, animal-rights activists in the U.S. and various European countries sent a joint letter to AB InBev asking the company to end the practice.

tice.

Docking was traditionally performed to prevent the tail of the horse from interfering with harness and carriage equipment and later became

cosmetically fashionable for competitions and shows. It involves the removal of most or all of the bones extending from the body of the horse, say activists. It is performed either by cutting off the blood supply to the tailbone using a tight band, which encourages the bone to fall off, or by surgically cutting the bone off.

The practice is banned or restricted in 10 U.S. states including New York, California and Washington. In Europe, it is banned or restricted in a number of countries, including Belgium, where AB InBev is based.

Animal-rights activists say tail braiding and wrapping would be enough to protect the Clydesdales' tails from becoming entangled in wagon hitch equipment and shouldn't be conducted for cosmetic reasons. The American Association of Equine Practitioners says it condemns docking for cosmetic or competitive purposes since this doesn't contribute to the health or wel
\*Please turn to page B2\*



Colorado head football coach Deion Sanders has helped propel sales of Blenders sunglasses.

# Coaching Sensation Sanders Racks Up Marketing Wins, Too

By JACOB GALLAGHER

Jay Norvell never should have poked Coach Prime. In the lead up to this past

weekend's bruising football matchup between Colorado State and Colorado, CSU coach Norvell slung an ill-considered arrow at CU head coach (and NFL legend) Deion Sanders for wearing his mirrored sunglasses at pretty much all times. "When I talk to grownups, I take my hat and my glasses off," said Norvell in a radio interview. "That's what my mother taught me."

In this slight, Sanders, aka Coach Prime, saw an opportunity. He gifted his entire team pairs of polarized "Prime 21" sunglasses. The Oprah-esque

moment was shrewdly cap-

tured for Instagram, where it was viewed nearly 1.5 million times. Sanders's Santa streak rolled into the weekend as he doled out the sunglasses to nearly every TV commentator he came across.

"You look so good in those shades, I just can't stop looking at you!" he said to ESPN's Pat McAfee, after giving him a pair of his \$67 collaborative Blenders sunglasses on-air. It was a glowing endorsement from the man who literally has his name on the glasses. "These are the ones," said Sanders to The Rock on a separate ESPN broadcast, passing the mountainous actor a pair of Blenders.

The Coach Prime marketing machine was in full effect. By the close of Friday, Blenders

said it racked up \$1.2 million in preorders. By Tuesday, 65,000 pairs had been preordered. (Blenders originally hadn't planned to launch the glasses until next month.) Any glasses preordered now won't even ship until December. At that point Colorado's regular season will have concluded—and its undefeated start could be a dim memory.

For now, though, Sanders, who arrived at Colorado after last year's 1-11 season, is the beating heart of college football's swagged-out Cinderella story. He speaks with the cadence of a megachurch preacher, wears a hoodie the way Mike Ditka wore a suit and is likely the only coach in NCAA history to call plays Please turn to page B2

# FTC Names 3 Amazon Leaders in Prime Suit

By Dana Mattioli

The Federal Trade Commission disclosed new details in its lawsuit against **Amazon.com** to publicly name three executives who the agency says played a key role in a scheme to enroll customers unwittingly in the company's Prime program and make it difficult for them to cancel their subscription.

On Wednesday, the agency amended a lawsuit it filed in June, with additional details of Amazon's efforts to sign up and keep Prime customers. The agency also unredacted parts of its initial complaint.

The agency says that Neil Lindsay, who served as a senior vice president overseeing Prime during the period, Russell Grandinetti, the company's senior vice president of international consumer and Jamil Ghani, a company vice presi-

dent who oversees the Prime subscription program, were aware of the company's misconduct and chose not to act. Lindsay and Grandinetti are both part of Amazon's S-team, a group of the most senior leaders at the company under Amazon CEO Andy Jassy.

The FTC alleges that Amazon had a purposefully complicated cancellation system for Prime members that internally was code-named "Iliad" after the ancient Greek work by Homer. The epic poem is notoriously hard to read.

"The FTC's decision to add three Amazon leaders to its civil case against the company is unwarranted under the facts and the law," said an Amazon spokesman. "To claim that their efforts were made in anything but the utmost good faith is unfounded and represents a radi
\*\*Please turn to page B4\*\*

# **INSIDE**



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quarterly gains despite
a drop in demand, as
cost cuts take effect. **B3** 



## BUSINESS NEWS

New York City's new rules complicate Airbnb hosts' businesses as well as visitor plans. **B5** 

**BUSINESS & FINANCE** 

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Time' in his athletic heyday was an All-Pro clothes horse

# Sanders Is A Prime Marketer

Continued from page B1 with a gold whistle dangling around his neck.

As the saying on the walls of Colorado football HQ reads: "IF YOU LOOK GOOD, YOU FEEL GOOD. IF YOU FEEL GOOD, YOU PLAY GOOD. IF YOU PLAY GOOD, THEY PAY GOOD."

During his Hall of Fame NFL career, Sanders savored glossy tracksuits and flat-top sunglasses, gold chains pooling at his chest and hair styled in pristine Jheri curls. At 56, the curls are gone, but Sanders is still a first-team,

When he first addressed his new team in Boulder in December, he was wearing a three-piece suit with a tie in Colorado's colors and horsebit loafers. At that meeting, he implored many young athletes, fresh off a one-win season, to leave the school as they were destined to be re-placed by fresher recruits, including his two sons Shedeur and Shilo. He relayed that message with a particularly biting but luxurious metaphor: "I'm bringing my luggage with me," said Sanders, "And it's Louis.'

Sanders's high-wattage run through this past weekend's pregame broadcasts doubled as a personal fashion show. On one program he wore a gray bomber with matching gray slacks, looking like an Italian industrialist about to board a private jet. On another he went for a "Yellowstone"ready combo of a white puffer vest with "Prime" stitched on the front and a blinding white cowboy hat.

On the sidelines, Sanders has been calling plays in a hoodie with almost avant-garde slit sleeves and a kangaroo pocket in contrasting colors. On the upper sleeve is a

conspicuous "JC," which many assume to be a reference to Jesus (Sanders is a religious man who peppers scripture into his pregame pump-ups) but which the coach has said in the past is a reference to Jimmie Callaway, the longtime equipment manager at his alma mater Florida State University.

The hoodie is a good look

on the still-fit Super Bowl champ. He certainly looks in it than Bill sharper Belichick does in his ratty Patriots sweatshirt.

Prime fans are still waiting for him to break out the cowboy hat on the sidelines during a game—though Sanders seems to be holding off out of superstition. As he said on the Pat McAfee show, "You can't wear a cowboy hat unless you know you're going to kick some butt.'

An unapologetic sound-bite better than perhaps anyone that any screen time is a marketing opportunity. He uses nearly every interview to pitch new recruits to join the squad at Colorado. When asked on "60 Minutes" this month who the best coach in college football was, he replied: "Let me ee a mirror so I can look at it."

During a postgame interview on Saturday night, Coach Prime's 21-year-old son and Colorado's sudden Heisman Trophy contender QB, Shedeur Sanders, flashed a blinged-out watch to the camera—a very

Deion-esque gesture. Prime-mania has also become a prime marketing op-portunity for anyone in the coach's orbit. On Nike's website. Sanders-themed Colorado gear is sold out. According to the university, sales of merchandise are up 819% compared with last season.

"The Prime gear merchandise was definitely a hot seller and a big draw," said Allison Hartel, assistant director for marketing and outreach at the university's bookstore. Frustratingly for fans, the actual two-toned Nike hoodies Sanders wears on the sidelines are custom-made and not available for sale.

# Modelo's Ad Strategy Targets Shifts in Demographics, Tastes

By KATIE DEIGHTON

As Modelo Especial's marketing team worked through the final stages of scripting a commercial about a Hispanic matriarch making tortillas from scratch with her granddaughter, company lawyers had a

The lawyers wanted to show the grandmother flipping a tor-tilla with tongs, rather than the traditional, riskier technique of using her fingers. The marketing team pushed back, arguing that the commercial should depict authentic traditions, peo-

ple involved said.

The final ad released this spring featured a finger-flipped tortilla plus the disclaimer: "Do not attempt." The commercial abides by Code of Advertising regarding responsible behavior while remaining authentic, Modelo said.

The attention to that detail exemplifies one aspect of the marketing strategy that has helped Mexican beer brand Modelo Especial eclipse Bud Light as the most popular beer in the U.S., according to people who have worked on the brand's marketing.

The brand strives to ensure its marketing appeals to both its core Hispanic and growing non-Hispanic consumer bases. rigorously testing its ads with both groups to avoid alienating either one, the marketers said And it spends heavily to run those winning ads on television as many times as possible.

Modelo Especial's success

has been credited by some largely to Bud Light's long-term decline and recent consumer boycott, as well as the popularity of Mexican beer and a growing Hispanic population in the U.S

But that reading discounts the brand's marketing, which also has propelled it ahead of other, heritage Mexican lagers,

analysts say.
"This brand has been growing very, very nicely for several decades," said Nik Modi, managing director at RBC Capital Markets "And they've been investing consistently with a message that resonates-it's not like it's just come out of

The brand this year intro-duced the tagline "the Mark of a Fighter," an evolution from the "Fighting Spirit" theme that Modelo had used since 2016. Its latest ads, tied to the start of the football season, praise the dedication of sports fans, who celebrate in slow motion as dramatic music crescendos

"Modelo's success reflects a number of factors in our mind, including patient branding



building over many years and the ability to have a differentiated brand equity that resonates with consumers," Ever-ISI analyst Robert Ottenstein said.

#### Slow and steady

Modelo Especial is seen by some investors as the jewel in the crown for Victor, N.Y.-based **Constellation Brands**, which acquired the brand's U.S. rights from Grupo Modelo in 2013.

The company in June reported an 11% increase in its overall beer sales for the latest quarter, noting on an earnings call that sales of Especial increased by double-digit percentages in 24 states.

Especial, which took Bud Light's title as the top-selling U.S. beer in May, accounted for 9.3% of retail-store beer sales in the four weeks ended Sept. 9, compared with Bud Light's 7%, according to an analysis of NIQ data by consulting firm Bump Williams.

Modelo wasn't even a top-10

to popularity in U.S. has been a long one. Modelo Espe

cial was first imported into into the U.S. in 1982. The beer at the time was owned by independent Mexican brewer Grupo Modelo, which focused

on marketing it to Latino and Spanish-speaking audiences across the border, according to Greg Gallagher, Modelo's vice president overseeing brand marketing.
It wasn't until 2015 that the

brand began marketing to non-Hispanic consumers.

The company from the beginning of that effort showed its English-language ads to Mexican audiences to confirm that none of its messaging was straying away from the people

who had made it what it was, Modelo marketers said.

If an ad doesn't perform with both Hispanic and non-Hispanic consumers, it won't run, Gallagher said. Hispanic consumers still account for around 55% of Modelo's sales. according to Constellation.

"The worst thing we can do is something that would cause our core Hispanic consumers to say, 'That's not my Modelo,'" Gallagher said.

That outlook is encouraged by Jim Sabia, president of Constellation's beer division, people with knowledge of Modelo's strategy said.

"He was the guy responsible for all the marketing, messaging and strategy, and he's now running the entire beer business,' RBC's Modi said of Sabia.

#### In the ring

Modelo

Especial's road

to popularity in

the U.S. has

Modelo's central theme of fighting upward is somewhat of an anomaly in the beer category, where the dominant themes tend to involve parties, U.S. beer a decade ago. Its road humor, refreshment or sophis-

tication, marketers said.

Modelo's ads in the past featured literal fighters, boxers and military veterans. More recently been a long one. they have cen-tered more on regular people living their lives

with some level of grit, deter mination and hard work.

Modelo Especial for the past couple of years also has had the No. 1 share of voice in advertising in the beer industry, said Gallagher. Constellation spent an mated \$96.9 million on national TV advertising for the Modelo portfolio in 2023 through Sept. 15, compared with **Anheuser-Busch**'s estimated spending of \$55.1 million on Bud Light and \$66.0 million

on Michelob Ultra, according to ad-measurement company iSpot.tv.

And the brand has leaned into sports, long one of Bud Light's favored avenues to mass appeal.

Around 75% of Modelo's advertising runs during sports programming, the company said. Its handful of sports sponsorships include Ultimate Fighting Championship, the College Football Playoff and the Concacaf Gold Cup international soccer competition.

Modelo's choice of sponsorships resonate with its "fight-ing spirit" identity, according to **Marty Stock**, who worked on Modelo from 2018 until 2021 as CEO of advertising agency Cavalry. "You don't see Modelo in

golf," Stock said.

#### No guarantees

Bud Light has been trying to show some fighting spirit itself since the boycott, tripling its marketing over the summer and running a commercial for the start of the National Football League season featuring real fans.

And Modelo still lags behind in awareness. Some 69.9% of U.S. adults say they are aware of the Modelo brand when asked which beers they had heard of, compared with 89.4% for Bud Light, according to

Modelo has increased advertising in recent years on the East Coast and in the Midwest—areas with larger non-Hispanic populations where sales of the beer have historically been lower.

It also is expanding its portfolio to bring new drinkers into the brand. The company last year introduced Modelo Oro, a light beer aimed at over-21 Gen Z consumers, and new versions of its flavored Chelada drinks.

♦ Heard on the Street: AB InBev's big world...

# AB InBev Stops Tail **Cutting**

Continued from page B1

'The safety and well-being of our beloved Clydesdales is our top priority," AB InBev said Wednesday. It said it had stopped tail docking this year

but didn't offer a time frame. Over the years, the Clydesdales have made appearances at motorcycle rallies, liquor stores, sports games and fundraisers, where they can draw tens of thousands of spectators. The horses travel 10 months a year accompanied by a Dalmatian, a hitchdriver groomers. They are used in AB InBev's Super Bowl ads, holiday commercials and in ads to commemorate 9/11.

In recent months the company has run ads featuring the horses—like a patriotic video showing a Clydesdale running past landmarks like the Brooklyn Bridge, World Trade Center and Grand Canyon as a flag is hoisted—as it seeks to bounce back from the Mulvanev debacle. Those ads have attracted criticism from some

Mulvaney, who has more than 1.8 million followers on Instagram, shared an image on the platform in April of a personalized Bud Light can with her face on it as part of a March Madness promotion for the brand. The post sparked an uproar among some consumers, prompting Bud Light's sales to plummet.

Some drinkers continue to boycott AB InBev's brands. The company's share of the U.S. beer market stood at 9, down from 42% before the Mulvaney controversy, according to research firm Bern-

# SpaceX Sues DOJ to Stop Hiring Lawsuit

By Joseph Pisani

Elon Musk's SpaceX sued the Justice Department to stop the hiring discrimination case brought against the rocket company last month. SpaceX's lawsuit said that

the Justice Department's law-suit is unconstitutional because the case would be heard in an administrative court and not in a federal court with a jury.

SpaceX was sued by the Justice Department in August, alleging that the company discouraged refugees from applying for positions and refused to hire them or consider their applications.

The agency said SpaceX wrongly claimed that federal laws meant that it could only hire U.S. citizens and permanent residents. The suit was filed before the Office of the Chief Administrative Hearing



lawsuit unconstitutional.

Officer, within a division of the Justice Department.

The company denied it discriminated against job seekers, but said some of its work falls under national security laws that would prevent it from hir-

ing foreigners. 'SpaceX wants to hire the

# Musk Biography Is Hit in First Week

Walter Isaacson's highly anticipated biography of eccentric billionaire Elon Musk sold 92,560 copies in its first week on sale, a strong performance and a welcome start to the holiday season for booksellers.

Sales of "Elon Musk" reflect print books sold through Sept. 16 in the

very best candidates for every

job regardless of their citizen-

ship status," SpaceX said in its

U.S., not audiobooks or ebooks, book tracker Circana BookScan said Wednesday. Those sales place the Musk book second among leading business biographies and autobiographies after Isaacson's "Steve Jobs," says Circana BookScan -Jeffrey A. Trachtenberg

complaint, adding that it has heads the agency. The Justice hired hundreds of noncitizens. Department declined to com-The lawsuit, filed Friday in the U.S. District Court for the ment Wednesday. SpaceX is formally named Southern District of Texas,

Space Exploration Technolonames three defendants who

are Justice Department em-

ployees, including Attorney

General Merrick Garland, who

# **BUSINESS NEWS**



The shipping company said cost cuts boosted margins, especially in the Express and Ground units that are being merged.

# FedEx Overcomes Demand Fall

By Esther Fung And Ben Glickman

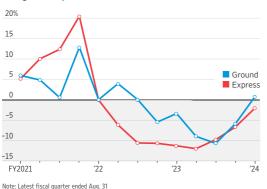
**FedEx**'s profit rose in the latest quarter despite a drop in revenue, as the shipping giant continues its extensive costcutting efforts amid slumping demand.

Executives also said that the industry is likely to see a muted "peak" season, which is typically the busiest time for carriers ahead of the fall holidays and Christmas.

The company is in the early stages of merging its Express and Ground units, from which it expects to save \$4 billion in costs over two years. FedEx has already merged some functions in select markets around the U.S., but says the full combination will take several years.

Cost cuts boosted FedEx's margins in the fiscal first quarter, especially in the company's Express and Ground units, the company said Wednesday. FedEx said that it grounded

FedEx's average daily package volume, change from a year earlier



certain flights and adjusted staffing due to lower shipping volumes in order to reduce ex-

The Memphis, Tenn.-based company posted a profit of \$1.08 billion, or \$4.23 a share, up from \$875 million, or \$3.33 a

share, a year earlier. Analysts polled by FactSet expected per-

share profit of \$3.62.
Shares rose more than 5% in after-hours trading, though the company gave a tepid revenue forecast for the full year.
Through Wednesday's close,

FedEx's share price is up nearly 45% this year, compared with a roughly 15% gain in the S&P 500.

"We really did feel good about how we executed within the quarter but the macro did not help," said Brie Carere, chief customer officer at FedEx, during an earnings conference call with analysts. She estimated that domestic parcel volumes this year will be down 25%, lower than the company had previously anticipated.

While retailers have done a

While retailers have done a good job offloading excess inventory, wholesalers have not, so inventory restocking is not going to help, Carere added. From international freight volumes, "we don't see trade giving us a huge boost," she said.

FedEx's revenue fell over 6% to \$21.7 billion in the quarter ended Aug. 31. The slowdown in demand for shipping services, after a pandemic spike, has spurred increased competition among parcel carriers.

# Tether Starts to Lend Its Stablecoins Again

By Jonathan Weil

**Tether Holdings** resumed lending out its own stablecoins to customers, less than a year after it said it would wind down the practice.

The cryptocurrency issuer in its latest quarterly financial update said its assets included \$5.5 billion of loans as of June 30, up from \$5.3 billion a quarter earlier. A company spokeswoman confirmed that Tether made new loans.

The company, which is incorporated in the British Virgin Islands, calls them secured loans and discloses little about the borrowers or the collateral accepted. The loans are issued and denominated in the company's tether tokens.

Stablecoins such as tether are anchors in the crypto market. The premise of digital assets such as tether—and other stablecoins—is that the issuer always will redeem one coin for \$1. Issuers take pains to

demonstrate they have ample funds available to do so.

Tether Holdings' lending represents a potential risk to the crypto world. The majority of the assets listed in the company's

reports are Treasury bills and other safe instruments easily converted to dollars. Loans are different. Tether Holdings can't be certain the loans will be paid back, that it could sell the loans to a buyer for dollars in a pinch or that the collateral it holds will be adequate.

The resumption of lending is a shift from December 2022, when the company said it would reduce its secured loans to zero during 2023. "During the second quarter of 2023, we received a few short-term loan requests from clients with whom we have cultivated longstanding relationships,

and we made the decision to accommodate these requests," Tether Holdings spokeswoman Alex Welch said.

She said loans would be eliminated by 2024. She said the company's aim "is to prevent any significant depletion of our customers' liquidity or the need for them to sell their collateral at potentially unfavorable prices, which could result in losses."

Welch declined to explain why the company's customers might have needed to sell their collateral at unfavorable prices, or whether Tether Holdings made new loans this year to help customers avoid defaulting on existing loans. The company doesn't publish audited financial statements or a complete balance sheet, leaving outsiders with an incomplete picture of the company's financial health.

The practice of lending tether tokens was at odds with some of the company's other disclosures,

disclosures, which suggested it issued tether tokens only when buyers handed over a currency such as the dollar.

As of Sept. 30, 2022, the company had a thin capital cushion of

about \$250 million, or 0.4% of assets. Back then, loans were \$6.1 billion, or 9% of total assets. The price of tether tokens twice last year fell below its \$1 peg, signaling that investors were worried about whether the company would have enough liquid assets to pay redemptions in a crisis.

Since last year, Tether Holdings has reported an increase in its capital cushion to \$3.3 billion, or 3.8% of total assets. The company says its secured loans are "over-collateralized by liquid assets," but it declines to say what those assets are.

# General Mills net sales, change from a year earlier 15% \$5 billion North America Foodservice +8% Pet flat International +10% North America Foodservice Retail +3%

# General Mills Sales Rise as Inflation, Supply Issues Ease

By Dean Seal

**General Mills** posted higher sales in its latest quarter, during which it said inflation and supply-chain pressures eased.

The maker of Lucky Charms cereal and Bisquick pancake mix reported Wednesday that revenue rose 4% for the quarter ended Aug. 27, with the top line once again boosted by price increases. Those higher prices helped lift the company's gross margin, though a jump in overhead costs cut into the bottom line.

Chief Executive Jeff Harmening said the quarter was characterized by "moderating inflation, stabilizing supply chains and a resilient but increasingly cautious consumer." General Mills maintained its guidance for the year, which calls for sales to rise 3% to 4%.

Quarterly sales were boosted by a modest rebuild of retailer inventory following reductions, particularly in North America, that weighed on General Mills' top line in recent quarters.

Sales volumes slipped 2%, with shortfalls in its North American retail, pet and international segments. The company's pet-food business, which seemed to be rebounding in the previous quarter, turned in flat sales as price increases were



The cereal maker reported quarterly revenue rose 4%.

offset by lower volumes

The North American foodservice business, which works with schools, hospitals and restaurants, saw volumes jump 7% during the quarter, driving the majority of that unit's revenue growth.

For the quarter, General Mills reported a profit of \$673.5 million, or \$1.14 a share, down from \$820 million, or \$1.35 a share, in the

same quarter a year ago.

Stripping out one-time items, adjusted earnings came in at \$1.09 a share, a penny per share above the consensus estimate of analysts surveyed by FactSet.

Total sales hit \$4.9 billion, just ahead of Wall Street ana,

lyst forecasts for \$4.88 billion.

The company's stock slipped slightly to close at \$65.87.



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# Emission Rule Sparks a Run on Diesel Rigs

Truckers say they are bolstering fleets ahead of California's Jan. 1 restrictions

By Paul Berger

Manny Carrillo has spent \$1.5 million on two electric big rigs and a charging station at his truck yard in Chino, Calif., ahead of a new state emissions rule that kicks in Jan. 1.

The chief executive of Talon Logistics is also beefing up his fleet with 20 diesel trucks, the kind that the new regulation is seeking to eliminate.

Carrillo's is one of many logistics companies loading up on diesel big rigs as California prepares to roll out a rule requiring that trucks purchased after Jan. 1, 2024, that serve the state's ports be zero-emission vehicles.

The truckers are trying to bolster their fleets now rather than face the higher costs and other problems, including scarce availability of newtechnology rigs and limited charging infrastructure, once the new mandate kicks in.
"We are trying to take the

hit now at a lot more reasonable cost per month versus buying electric trucks next year," said Carrillo.

Diesel trucks will have a

limited future in California under the new rule, one of a series of regulations that target carbon emissions across the state's supply chains. The California rule will phase out the use of diesel trucks until the more than 30,000 diesel big rigs that now serve the state's



Trucking executives say zero-emission trucks are triple the cost of diesel trucks and charging stations are in limited supply.

ports are banned by 2035.

The regulation is already proving a challenge for truckers across California. Trucking executives say the state's regulators are getting far out in front of the industry's ability to deliver zero-emission rigs.

The technology underpinning electric vehicles is still developing, they say, and the zero-emission trucks are triple the cost of diesel trucks, while the vehicles and charging stations are in limited supply.

In California, state officials

and regulators are trying to jump-start a market for zeroemission vehicles by mandating their use in state-regulated spaces. They also hope the mandate draws in more suppliers of charging infra-

For now, however, the rules are boosting sales of diesel

Trucking companies typi cally buy vehicles ahead of new environmental mandates because older trucks purchased before mandates generally are allowed to keep operating once new rules take effect. "I have to think every trucker in California is doing all they can to get as many pre-mandate trucks in place as they possibly can," said Kenny Vieth, presi dent of ACT Research.

California has tried to soften the blow for operators by providing grants for truckbuying zero-emission trucks. But production of the vehicles is so limited and the cost and complexity of running the trucks so high that

there are fewer than 150 zeroemission trucks in service at the Southern California ports today, said Matt Schrap, CEO of the Harbor Trucking Association trade group.

The most advanced of those

trucks, say trucking executives, can't travel more than a few hundred miles between charges, so they can only run short trips between ports and nearby rail yards and warehouses. The electric trucks them-

selves are also proving a problem. Nikola and Volvo Trucks North America this summer recalled trucks because of defective parts thought to pose a

Jim Gillis, president of port trucker Pacific Drayage Services, said he is on his third recall since receiving six Volvo

electric trucks in January. Gillis said that when a diesel truck needs repair it is usually in the shop for three to four days. When a \$400,000 electric truck is recalled it is usually out of action for longer. "That's an expensive asset to lose for three

to four weeks," he said.

A spokesman for Volvo
Trucks North America said the company does everything it can to minimize customer downtime. "Part of being the first to market with Class 8 electric trucks is being the first to face some of these issues, as this is a new technology for the heavy-duty truck market," said spokesman John Mies. Gillis says he has high

hopes for hydrogen-powered trucks, which he says can refuel more quickly than electric trucks and can travel longer distances between refueling. But that technology is even less developed than batteryelectric technology.

Pacific Drayage Services has ordered 20 hydrogen-powered trucks from Nikola that are scheduled to arrive over the next six months. The company has also bought 117 diesel trucks to buy time as the company experiments with zero-emission vehicles.

'We're basically trying to lock in growth for the next five or six years while we try out new technologies," Gillis said.

# **Executives** Named in FTC Suit

Continued from page B1 cal departure from the FTC's own standards for such claims."

"We've always made it clear and simple for customers to sign up for and cancel Prime, and we look forward to demonstrating that the FTC's claims to the contrary are wrong" the spokesman said.

Newly unredacted parts of the complaint show Amazon executives dismissing concerns about Prime customers accidentally enrolling. "In a meeting with Amazon designers, Defen-dant Lindsay was asked about Amazon's use of dark patterns during the Prime enrollment process," the new materials say.
"Lindsay explained that once consumers become Prime members—even unknowingly—they will see what a great program it is and remain members, so Amazon is 'okay' with the situa-

In another section, "Lindsay suggested something he called 'scary'—that Amazon should consider making it as easy to decline Prime as to enroll," the unredacted materials say.

In some of the unredacted sections, Amazon employees make the argument to senior management that the company should be more transparent about its enrollment process. An email to Ghani in 2020 "An unknown \$12.99 charge could mean grocery money for a family, gas to fill up a car, or just the last bit of money to make rent...Do we that they should also [have] to call customer service to ask for a refund, when they discover this unknown charge [for Prime]?"

An email from Lindsay to Ghani acknowledges the intensi-fying regulatory pressure on the company for the behavior: "I may land in the same place, but given how hot this topic is in the press lately, and the risk of regulatory action in some countries, I [am] [sic] wondering how you might thread the nee-..between making it easy to ioin, easy not to mistakenly ioin and not unduly difficult to unsubscribe[.]" Amazon's Prime membership

program provides free shipping and other perks such as video streaming to customers who pay for an annual subscription, and is wildly popular with customers. Prime has more than 200 million members worldwide, and has helped make Amazon a part of customers' daily shopping habits. "Amazon tricked and trapped people into recurring subscriptions without their consent, not only frustrat-ing users but also costing them significant money," FTC Chair Lina Khan said in the agency's June press release.

The updated lawsuit comes as the agency prepares to file a monopoly lawsuit against Amazon that targets a range of busi ness practices that the FTC finds anticompetitive. The lawsuit will target a number of Amazon's businesses, such as its Fulfillment by Amazon logistics program and pricing on Amazon.com by third-party sellers, The Wall Street Journal has reported. The lawsuit will suggest that Amazon make "struc tural remedies" that could lead to a break up of the company.



# Amazon Makes Alexa More Capable Using Generative AI

By Wilson Rothman AND DALVIN BROWN

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THIS IS A FORECLOSURE SALE OF ALL OF THE ASSETS OF OPTION 3 VENTURES, LLC The successful bidder will be required to pay the successful bid price in immediately available funds immediately at the conclusion of the public auction.

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ARLINGTON, Va.-It was

only a matter of time. Alexa is getting generative AI.

Amazon.com jumped on the advanced artificial-intelligence bandwagon with an elaborate demonstration Wednesday at its "HO2" offices in Arlington. Va. In one demo, Dave Limp, device business, carried on a chatty, back-and-forth conversation with the voice assistant without repeating the wake word, "Alexa,"

Later demos showed the assistant recommending movies and carrying out smart-home routines after hearing natural requests from users, instead of the scripted command phrases that can make voice assistants frustrating to use. The responses from the bot sounded more natural, too—fresh, off-the-cuff phrasing rather than the canned jokes and replies users have heard for years.

Previews of the new capabilities are coming this fall to homes with existing Echo and Fire TV products.

The tech giant's push into generative AI isn't a cute test like it might be for some companies. It is an attempt to engage consumers in a fresh way at a key entry point into its business empire.

Alexa-powered Echo devices have long been the most-popular smart speakers globally. The smart assistant introduced many people to AI chatbots that could turn on their lights or play music with just a few spoken words. Consumers have purchased or connected

nearly a billion devices to Alexa, said Limp.

But Alexa now faces a new threat from the supersmart generative AI built by companies such as **OpenAI**. Rather than answering simple queries with set responses, the new chatbots are more conversational and capable of responding to complex requests. rivals Meanwhile, core operations, and the company's hardware business has lost billions of dollars in recent years, The Wall Street Journal reported.

Amazon set out over 10 years ago to build a "superhuman assistant," said Limp, who plans to retire soon. "With generative AI, it's now within reach.'

In one Fire TV demo, Daniel Rausch, Amazon's vice president of Alexa and Fire TV. asked the assistant to "find some action movies for me," then he followed up with, "Show me the ones I don't have to pay for." It produced a list of movies in services of which he

was already a subscriber.

One big technical hurdle is speed. When people type queries into ChatGPT or Microsoft's Bing Chat, there is a lag Amazon said it worked hard to reduce lag, also known as latency.

Amazon said it designed the new generative-AI functionality to stay focused on the core tasks that Alexa already addresses-real-time news and information, smart-home controls and home entertainment.

♦ Heard on the Street: New Al comes to Amazon.... B12

# Watch a Video: Why It's Never Been More Expensive to Buy a Car





Car prices have come down slightly, but financing costs hit an all-time high in the second quarter. Scan this code for a WSJ video with Dion Rabouin on why now may be the worst time to buy a car.

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THE WALL STREET JOURNAL. Thursday, September 21, 2023 | B5

# **BUSINESS NEWS**



# New York City's Airbnb Crackdown Vexes Hosts, Guests

By Allison Pohle

New York City's crackdown on **Airbnb** and other shortterm rental companies is already having an effect on guests and hosts.

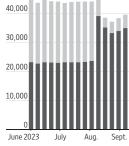
Earlier this year, the city said it would begin enforcing new rules on short-term rentals. Between June and September, there were about 17,000 fewer short-term listings in New York, according to analytics company AirDNA. That has boosted demand for hotels and for properties just across the river in New Jersey.

Some former Airbnb hosts are posting short-term stays on Craigslist and **Facebook** Marketplace without registering with the city, which vio-lates the law. The hosts say they are rolling the dice and risking getting caught because they couldn't afford their properties otherwise.

Hunting for accommodations, some visitors are joining online groups where New Yorkers find sublets and other short-term stays. Some others are going ahead with shortterm bookings that don't have the protections of sites like Airbnb and Booking.com. Many are paying more to stay in a hotel.

#### Number of unique listings on Airbnb for properties in New York City

■ Long-term ■ Short-term 50,000



Note: Through Sept. 10

Angie Hanson, a 41-year-old project manager from Australia, says she recently lost her eight-night Airbnb booking for Christmas Day through Jan. 2. Her family of five now plans to stay in a hotel, which Hansays will cost at least \$1,200 more than their Airbnb.

planned their trip differently had they known about the rules, she says: "Taking three kids to New York for eight days and paying for a hotel, it's just not affordable."

## The new rules

The new law says hosts of short-term rentals must register with the city to offer stays, and must meet several requirements to be eligible. Hosts are prohibited from renting out an entire apartment or home, even if they own it. Hosts also must be present during their guests' short-term stays.
City officials and many resi-

dents have said the changes are needed to combat the city's affordable-housing crisis.

A city spokesman said the law applies only to platforms that collect transaction fees directly, but that the city expects all platforms that facilitate bookings to comply with the law.

Airbnb has countered that the rules put a strain on hosts and visitors.

'They're not building tens of thousands of hotels in time," said Airbnb Chief Executive Brian Chesky. "And so

what that means is prices are going to go up. So basically New York will be less affordable in the future than it is

"The notion that tourism will be harmed by requiring hosts to follow the city's longstanding laws, as we protect travelers from illegal and unsafe accommodations, has no basis in truth," a City Hall spokesman said in an email.

Listings for short-term

rentals in New York City are down 77% in September compared with June, according to AirDNA. Just across the water in Jersey City, N.J., demand for short-term rentals is up 83% over the past four weeks from a year ago, according to AirDNA. Demand in neighboring Hoboken is up 33% in the same period.

People booking hotels in lieu of Airbnbs could raise New York's hotel-room revenue by as much as \$380 million in 2024, according to realestate investment firm JLL.

Manhattan-based Airbnb host has recently listed a room in her apartment on social media for nightly stays. She says she can't have a long-term tenant because it

wouldn't cover her bills. "No one hosts somebody in a one-bedroom if you're not fi-nancially desperate," she said of her current setup. She plans to require guests to sign a contract, as well as share confirmation showing they have transportation out of the city and a form of ID.

## Extended stays

Airbnb allows hosts and guests to keep prior reservations with check-in on or before Dec. 1. But with fewer places to rent on Airbnb, visitors say they are confused about the rules and struggling to find affordable stays for the holidays. Airbnb canceled and refunded all short-term stays from noncompliant hosts booked for after Dec. 2.

More hosts have begun advertising longer-term stays to comply with the law. Because so many hosts have switched over to long-term rentals, the total number of New York City listings on the platform in September decreased about 12% compared with in June.

AirDNA says.
In total, 88% of New York City's Airbnb listings as of of 30 or more days, AirDNA says. Such listings made up roughly half of all properties the first week of August.

Natalie Clark, a consultant in Brooklyn, previously listed short-term stays in her owned home on Airbnb and is now renting only to longer-term tenants. She has a six-month tenant that she found through word-of-mouth and Airbnb. She plans to apply for short-term registration, but for now has pivoted to a business model focused only on long-term renters.

## Looking further out

Lisa Grossman, a New Yorkbased travel agent who previously listed her home on Airbnb, is hoping the rules will change. She is part of Re-store Homeowner Autonomy and Rights, a group of home owners petitioning New York lawmakers to exempt one and two-family homeowners from the rules.

The city task force charged with enforcing hosts' compliance says it is first focused on working with companies, including Airbnb and Booking.com, to make sure their listings comply with the rules.

s announcement is neither an offer to purchase nor a solicitation of an offer to sell Shares (as defined below), and the provisions herein are subject in their entirety to rovisions of the Offer (as defined below). The Offer is made solely by the Offer to Purchase, dated September 21, 2023, and the related Letter of Transmittal and ar amendments or supplements thereto, and is being made to all holders of Shares. The Offer is not being made to (nor will tenders be accepted from or on behalf of) holders of Shares in any jurisdiction in which the making of the Offer or the acceptance thereof would not be in compliance with the securities, "blue sky" or other laws of such jurisdiction. In those jurisdictions where applicable laws require the Offer to be made by a licensed broker or dealer, the Offer will be deemed to be made on behalf of Merger Sub (as defined below) by one or more registered brokers or dealers licensed under laws of such jurisdiction to be designated by Merger Sub.

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a wholly owned subsidiary of

# **GXO LOGISTICS, INC.**

Peregrine MergerSub I, Inc., a Delaware corporation (which we refer to as "Merger Sub") and a wholly owned subsidiary of GXO Logistics, Inc., a Delaware corporation (which we refer to as "Parent" or "GXO"), is offering to purchase for cash all of the outstanding shares of common stock, par value \$0.001 per share (the "Shares"), of PFSweb, Inc., a Delaware corporation (which we refer to as "PFSweb"), at a purchase price of \$7.50 per Share, in cash, without interest and less any applicable withholding taxes (the "Offer Price"), upon the terms and subject to the conditions set forth in the Offer to Purchase, dated September 21, 2023 (the "Offer to Purchase"), and in the related Letter of Transmittal (the "Letter of Transmittal," which, together with the Offer to Purchase and other related materials, as each may be amended or supplemented from time to time, collectively constitute the "Offer").

Stockholders of record who tender directly to Computershare Trust Company, N.A. (the "Depositary") will not be obligated to pay brokerage fees, commissions similar expenses or, except as otherwise provided in Instruction 6 of the Letter of Transmittal, stock transfer taxes with respect to the purchase of Shares by Merger Sub pursuant to the Offer. Stockholders who hold their Shares through a broker, dealer, commercial bank, trust company or other nominee should consult with such institution as to whether it charges any service fees or commissions.

#### THE OFFER AND WITHDRAWAL RIGHTS WILL EXPIRE AT 12:00 MIDNIGHT, NEW YORK CITY TIME. ON OCTOBER 20, 2023, UNLESS THE OFFER IS EXTENDED OR EARLIER TERMINATED.

The Offer is being made pursuant to the Agreement and Plan of Merger, dated as of September 13, 2023 (as it may be amended from time to time, the "Merger Agreement"), by and among Parent, Merger Sub and PFSweb. The Merger Agreement provides, among other things, that following the consummation of the Offer and subject to the satisfaction or waiver of certain conditions, Merger Sub will be merged with and into PFSweb with PFSweb surviving that merger (the "Merger") as a wholly owned subsidiary of Parent (which we refer to as the "Surviving Corporation") as soon as practicable following the consummation of the Offer and in accordance with Section 251(h) of the General Corporation Law of the State of Delaware (the "Delaware (the "Delaware (the "Delaware outstanding immediately prior to the effective time of the Merger (other than Shares (i) owned by Parent, Merger Sub or PFSweb (as treasury stock or otherwise and including Shares accepted for payment by Merger Sub pursuant to the Offer), or any of their direct or indirect wholly owned subsidiaries, which Shares will be cancelled and retired and will cease to exist or (ii) held by any stockholders who validly exercise appraisal rights under the DGCL with respect to such Shares) will be automatically cancelled and converted into the right to receive the Offer Price, without interest and less any applicable withholding taxes. As a result of the Merger, PFSweb will cease to be a publicly traded company and will become wholly owned by Parent. Under no circumstances will interest be paid on the purchase price for Shares, regardless of any extension of the Offer or any delay in making payment for Shares. The Merger Agreement is more fully described in the Offer to Purchase.

The Offer is not subject to any financing condition. The Offer is conditioned upon, among other things, (a) the absence of a termination of the Merger Agreement The Offer is not subject to any financing condition. The Offer is conditioned upon, among other things, (a) the absence of a termination of the Merger Agreement in accordance with its terms (the "Termination Condition") and (b) the satisfaction of (i) the Minimum Tender Condition (as described below), (ii) the Regulatory Condition (as described below). The "Minimum Tender Condition" requires that the number of Shares validly tendered in accordance with the terms of the Offer and not validly withdrawn as of immediately prior to 12:00 mindiplit, New York City time, on October 20, 2023 (the "Expiration Time," unless Merger Sub has extended the period during which the Offer is open in accordance with the Merger Agreement, in which event "Expiration Time" means the latest time and date at which the Offer, as so extended by Merger Sub, expires), together with all the Shares then owned by Parent and Merger Sub, represents one more Share than fifty percent (50%) of the Shares then outstanding. The "Regulatory Condition" requires that, as of immediately prior to any then scheduled expiration of the Offer, the waiting period (and any extension thereof) applicable to the consummation of the Offer, the Merger, and the other transactions contemplated by the Merger Agreement under the Hart-Scott-Rodino Antitrust Improvements Act of 1976, as amended, and the rules and regulations requires that there he no order writ assessment. promulgated thereunder (the "HSR Act"), will have expired or been terminated. The "Governmental Entity Condition" requires that there be no order, writ, assessment, decision, injunction, decree, ruling, judgment, law, statute, ordinance, rule, regulation, code, or legally enforceable requirements enacted, issued, promulgated, enforced or entered by any governmental entity having jurisdiction over any party to the Merger Agreement, whether temporary, preliminary, or permanent, which has the effect of making illegal, enjoining or otherwise prohibiting the consummation of the Offer, the Merger or any of the other transactions contemplated by the Merger Agreement. The Offer is also subject to other conditions as described in the Offer to Purchase (each condition to the Offer, including the Termination Condition, the Minimum Tender Condition, the Regulatory Condition and the Governmental Entity Condition, an "Offer Condition," and collectively, the "Offer Conditions").

The board of directors of PFSweb has unanimously (a) determined that the Merger Agreement, the Offer, the Merger, and the other transactions contemplated by the Merger Agreement are fair to and in the best interests of PFSweb and its stockholders; (b) declared it advisable to enter into the Merger Agreement and approved the execution, delivery, and performance of the Merger Agreement; (c) approved and declared advisable the Offer, the Merger, and the other transactions contemplated thereby; (d) resolved that the Merger shall be effect under Section 251(h) of the DGCL and shall, subject to the satisfaction of the conditions set forth in the Merger Agreement, be consummated as soon as practicable following the consummation of the Offer; and (e) resolved to recommend that the stockholders of PFSweb accept the Offer and tender their Shares in the Offer.

Parent and Merger Sub expressly reserve the right (in their discretion) to waive, in whole or in part, any Offer Condition (other than the Mini Condition), or to increase the Offer Price or make any other changes in the terms and conditions of the Offer not inconsistent with the terms of the Merger Agreement and that are not adverse to the holders of Shares in their capacities as such. Except as set forth in the immediately foregoing sentence, Parent and Merger Sub agree not to make any changes to the Minimum Tender Condition or any of the other Offer Conditions in any manner that is adverse to the holders of Shares in their capacities as such without the prior written consent of PFSweb.

Subject to Parent's rights to terminate the Merger Agreement in accordance with its terms, Merger Sub (i) must extend the Offer as required by applicable law or any interpretation or position of the U.S. Securities and Exchange Commission ("SEC"), the staff thereof, or the Nasdaq Capital Market applicable to the Offer, and until any waiting period (and any extension thereof) applicable to the consummation of the Offer under the HSR Act has expired or been terminated; and (ii) may, in its discretion, extend the Offer on one or more occasions for any period, if as of the then-scheduled expiration time any of the Offer Conditions is not satisfied and has not been waived by Merger Sub or Parent (to the extent waivable by Merger Sub or Parent), to permit such condition or conditions to be satisfied or waived. However, Merger Sub is not required to extend the Offer beyond December 31, 2023 or at any time that Parent or Merger Sub is permitted to terminate the Merger Agreement in accordance with its terms. If Merger Sub extends the Offer, such extension will extend the time available to tender (or withdraw the tender of) any Shares.

Any extension, delay, termination or amendment of the Offer will be followed as promptly as practicable by public announcement thereof, and such announcement in the case of an extension will be made no later than 9:00 a.m., New York City time, on the next business day after the previously scheduled Expiration Time. Without limiting the manner in which Merger Sub may choose to make any public announcement, it currently intends to make announcements regarding the Offer by issuing a press release and making any appropriate filing with the SEC.

Because the Merger will be governed by Section 251(h) of the DGCL, Merger Sub does not expect there to be a significant period of time between the nation of the Offer and the consumm ation of the Merger.

Upon the terms and subject to the conditions of the Offer (including, if the Offer is extended or amended, the terms and conditions of such extension or amendment), Merger Sub will (and Parent will cause Merger Sub to) accept and pay for all Shares validly tendered prior to the Expiration Time and not validly withdrawn pursuant to the Offer, as promptly as practicable after the Expiration Time (but no later than three (3) business days after the date of the Expiration Time). withdrawn pursuant to the Ofter, as promptly as practicable after the Expiration I Inne (b). For purposes of the Offer, Merger Sub will be deemed to have accepted for payment, and thereby purchased, Shares validly tendered prior to the Expiration Time and not validly withdrawn as, if and when Merger Sub gives oral or written notice to the Depositary of its acceptance for payment of such Shares pursuant to the Offer. Upon the terms and subject to the conditions of the Offer, payment for Shares accepted for payment pursuant to the Offer will be made by deposit of the Offer Prior to such Shares with the Depositary, which will act as paying agent for tendering stockholders for the purpose of receiving payments from Merger Sub and transmitting such payments to tendering stockholders whose Shares have been accepted for payment. If Merger Sub extends the Offer, is delayed in its acceptance for payment to stock of the Offer of the purpose of receiving payments from Merger Sub and transmitting such payments to tendering stockholders whose Shares have been accepted for payment. If Merger Sub extends the Offer, is delayed in its acceptance for payment of the Offer of payment. If Merger Sub extends the Offer, is delayed in its acceptance for payment of the Offer of payment, the Depositary may retain tendered Shares on Merger Sub's behalf, and such Shares may not be withdrawn except to the extent that tendering stockholders are entitled to withdrawn rights as described in the Offer to Purchase and as otherwise required by Rule 14e-1(c) under the Exchange Act. Under no circumstances and the properties of the Offer of any Merger Sub stay interest on the purchase price for Shares including by reason of any extension of the Offer or any delay in making such will Parent or Merger Sub pay interest on the purchase price for Shares, including by reason of any extension of the Offer or any delay in making such

No alternative, conditional or contingent tenders will be accepted. In all cases, payment for Shares accepted for payment pursuant to the Offer will only be made after timely receipt by the Depositary of (i) certificates evidencing such Shares (the "Certificates") or confirmation of a book-entry transfer of such Shares (a "Book-Entry Confirmation") into the Depositary's account at The Depository Trust Company ("DTC") pursuant to the procedures set forth in the Offer to Purchase, (ii) the Letter of Transmittal (or a manually signed facsimile thereof), properly completed and duly executed, with any required signature guarantees or, in the case of a book-entry transfer, an Agent's Message (as described in the Offer to Purchase) in lieu of the Letter of Transmittal and (iii) any other documents required by the Letter of Transmittal. Accordingly, tendering stockholders may be paid at different times depending upon when Certificates or Book-Entry Confirmations with respect to Shares are actually received by the Depository. are actually received by the Depositary.

Shares tendered pursuant to the Offer may be withdrawn at any time prior to the Expiration Time and, unless theretofore accepted for payment by Merger Sub suant to the Offer, may also be withdrawn at any time after November 20, 2023, which is the 60th day after the date of the common to the Offer, may also be withdrawn at any time after November 20, 2023, which is the 60th day after the date of the common to the Offer, may also be withdrawn at any time after November 20, 2023, which is the 60th day after the date of the common to the Offer, may also be withdrawn at any time after November 20, 2023, which is the 60th day after the date of the common to the Offer, may also be withdrawn at any time after November 20, 2023, which is the 60th day after the date of the common to the Offer, may also be withdrawn at any time after November 20, 2023, which is the 60th day after the date of the common to the Offer 20, 2023, which is the following the Offer 20, 2023, which is the O

For a withdrawal to be effective, a written, telegraphic or facsimile transmission notice of withdrawal must be timely received by the Depositary at one of its addresses set forth on the back cover page of the Offer to Purchase. Any such notice of withdrawal must specify the name of the person who tendered the Shares to be withdrawn, the number of Shares to be withdrawn and the name of the registered holder of such Shares, if different from that of the person who tendered such Shares. If Certificates evidencing Shares to be withdrawn have been delivered or otherwise identified to the Depositary, then, prior to the physical release of such Certificates, the serial numbers shown on such Certificates must be submitted to the Depositary and the signature(s) on the notice of withdrawal must be guaranteed by an Eligible Institution (as described in the Offer to Purchase), unless such Shares have been tendered for the account of an Eligible Institution. If Shares have been tendered pursuant to the procedure for book-entry transfer as set forth in the Offer to Purchase, any notice of withdrawal must also specify the name and number of int at DTC to be credited with the withdrawn Shares

Withdrawals of Shares may not be rescinded. Any Shares validly withdrawn will thereafter be deemed not to have been validly tendered for purposes of the Offer. However, withdrawn Shares may be re-tendered by again following one of the procedures described in the Offer to Purchase at any time prior to the Expiration Time.

Merger Sub will determine, in its sole discretion, all questions as to the form and validity (including time of receipt) of any notice of withdrawal and Merger Sub win determine, in its sole discretion, and questions as to the form and vanding (including time of recept) of any notice of windrawar and Merger Sub's determination will be final and binding to the fullest extent permitted by law, subject to the rights of holders of Shares to challenge such decision in a court of competent jurisdiction. None of Merger Sub, Parent, the Depositary, the Information Agent or any other person will be under any duty to give notice of any defects or irregularities in any notice of withdrawal or incur any liability for failure to give any such notification.

The information required to be disclosed by paragraph (d)(1) of Rule 14d-6 of the General Rules and Regulations under the Exchange Act is contained in the Offer to Purchase and is incorporated herein by reference

PFSweb has provided Merger Sub with PFSweb's stockholder list and security position listings for the purpose of disseminating the Offer to Purchase, the related Letter of Transmittal and other related materials to holders of Shares. The Offer to Purchase and related Letter of Transmittal will be mailed to record holders of Shares whose names appear on PFSweb's stockholder list and will be furnished to brokers, dealers, commercial banks, trust companies and similar persons whose names, or the names of whose nominees, appear on the stockholder list or, if applicable, who are listed as participants in a clearing agency's security position listing for sequent transmittal to beneficial owners of Shares.

The exchange of Shares for cash pursuant to the Offer or the Merger will be a taxable transaction to U.S. Holders (as defined in the Offer to Purchase) for United States federal income tax purposes. See the Offer to Purchase for a more detailed discussion of the U.S. federal income tax purposes. See the Offer to Purchase for a more detailed discussion of the U.S. federal income tax retardent of the Offer. Each holder of Shares should consult with its tax advisor as to the particular tax consequences to such holder of exchanging Shares for eash in the Offer or the Merger.

The Offer to Purchase and the related Letter of Transmittal contain important information. Holders of Shares should carefully read both documents in their entirety before any decision is made with respect to the Offer.

Questions and requests for assistance may be directed to the Information Agent at its address and telephone numbers set forth below. Requests for copies of the Offer to Purchase, the Letter of Transmittal and other tender offer materials may be directed to the Information Agent. Such copies will be furnished promptly at Merger Sub's expense. Stockholders may also contact brokers, dealers, commercial banks or trust companies for assistance concerning the Offer. Except as set forth in the Offer to Purchase, neither Merger Sub nor Parent will pay any fees or commissions to any broker or dealer or any other person for soliciting tenders of Shares pursuant to the Offer. Brokers, dealers, commercial banks, trust companies or other nominees will, upon request, be reimbursed by Merger Sub for customary mailing and handling expenses incurred by them in forwarding the Offer materials to their customers.

The Information Agent for the Offer is:

## D.F. King & Co., Inc.

48 Wall Street, 22nd Floor New York New York 10005 Banks and Brokers Call Collect: (212) 269-5550 Stockholders and All Others Call Toll-Free: (800) 820-2415 Email: pfsw@dfking.com



OCT 16-18 2023

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Sam Altman
Co-Founder and CEO
OpenAl



Mira Murati CTO OpenAI



Fei-Fei Li
Co-Director
Stanford Institute for
Human-Centered
Artificial Intelligence
(HAI)



Elsa Majimbo Comedian and Creator



Anthony
Scaramucci
Founder and Managing
Partner, SkyBridge
Former White House
Communications Director



Arnold
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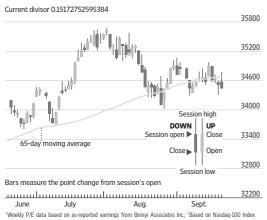
# MARKETS DIGEST

**EQUITIES** 

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#### **Dow Jones Industrial Average** Last Year ago **34440.88** ▼76.85, or 0.22% Trailing P/E ratio 24.94 17.77 P/E estimate \* 18.98 High, low, open and close for each Dividend yield 2.10 2.36 trading day of the past three months. All-time high 36799.65, 01/04/22



#### S&P 500 Index

|                                      |                    | Lase       | rear ag |
|--------------------------------------|--------------------|------------|---------|
| <b>402.20</b> ▼41.75, or 0.94%       | Trailing P/E ratio | 21.67      | 21.4    |
| ligh, low, open and close for each   | P/E estimate *     | 20.27      | 17.4    |
| rading day of the past three months. | Dividend yield *   | 1.58       | 1.6     |
| admig day or the past and monais.    | All-time high      | 4796.56, 0 | 1/03/2  |
|                                      |                    |            |         |



**Late Trading** 

Company

Microsoft

CRH ADR

State Street

Yext

Apple

#### **Nasdaq Composite Index**

**13469.13** ▼ 209.06, or 1.53% High, low, open and close for each trading day of the past three months.

Trailing P/E ratio 30.56 24.97 P/E estimate \*† 27.32 22.57 Dividend yield \*+ 0.82 0.91 All-time high: 16057.44, 11/19/21



#### Major U.S. Stock-Market Indexes

|                                 |          |          | - Latest |         |       |          | 52-Week — |       | %     | chg —    |
|---------------------------------|----------|----------|----------|---------|-------|----------|-----------|-------|-------|----------|
|                                 | High     | Low      | Close    | Net chg | % chg | High     | Low       | % chg |       | 3-yr. an |
| Dow Jones                       |          |          |          |         |       |          |           |       |       |          |
| Industrial Average              | 34776.28 | 34434.29 | 34440.88 | -76.85  | -0.22 | 35630.68 | 28725.51  | 14.1  | 3.9   | 7.0      |
| Transportation Avg              | 15326.53 | 15164.90 | 15165.17 | 0.91    | 0.01  | 16695.32 | 11999.40  | 19.9  | 13.2  | 9.9      |
| Utility Average                 | 896.30   | 883.78   | 886.72   | 1.30    | 0.15  | 1002.11  | 838.99    | -10.9 | -8.3  | 3.       |
| Total Stock Market              | 44455.55 | 43848.95 | 43854.44 | -402.16 | -0.91 | 45969.67 | 36056.21  | 14.9  | 13.8  | 8.9      |
| Barron's 400                    | 983.55   | 968.94   | 968.96   | -6.58   | -0.67 | 1036.97  | 825.73    | 10.1  | 5.3   | 10.      |
| Nasdaq Stock Mark               | et       |          |          |         |       |          |           |       |       |          |
| Nasdaq Composite                | 13727.81 | 13467.28 | 13469.13 | -209.06 | -1.53 | 14358.02 | 10213.29  | 20.0  | 28.7  | 7.7      |
| Nasdaq-100                      | 15245.19 | 14967.60 | 14969.92 | -221.31 | -1.46 | 15841.35 | 10679.34  | 28.6  | 36.8  | 11.      |
| S&P                             |          |          |          |         |       |          |           |       |       |          |
| 500 Index                       | 4461.03  | 4401.38  | 4402.20  | -41.75  | -0.94 | 4588.96  | 3577.03   | 16.2  | 14.7  | 9.       |
| MidCap 400                      | 2581.78  | 2544.61  | 2545.22  | -13.42  | -0.52 | 2728.44  | 2203.53   | 8.9   | 4.7   | 10.      |
| SmallCap 600                    | 1188.37  | 1166.91  | 1167.02  | -9.46   | -0.80 | 1315.82  | 1064.45   | 3.3   | 0.8   | 10.      |
| Other Indexes                   |          |          |          |         |       |          |           |       |       |          |
| Russell 2000                    | 1843.50  | 1810.08  | 1810.10  | -16.43  | -0.90 | 2003.18  | 1655.88   | 2.7   | 2.8   | 5.       |
| NYSE Composite                  | 16029.81 | 15856.74 | 15859.62 | -69.39  | -0.44 | 16427.29 | 13472.18  | 11.4  | 4.4   | 7.       |
| Value Line                      | 557.91   | 550.55   | 550.55   | -2.74   | -0.50 | 606.49   | 491.56    | 5.2   | 2.6   | 5.       |
| NYSE Arca Biotech               | 5147.44  | 5099.30  | 5099.67  | -27.88  | -0.54 | 5644.50  | 4390.11   | 11.5  | -3.4  | -1.7     |
| NYSE Arca Pharma                | 921.62   | 913.70   | 915.69   | 1.99    | 0.22  | 925.61   | 737.84    | 23.5  | 5.5   | 10.9     |
| KBW Bank                        | 82.34    | 80.70    | 80.75    | -0.69   | -0.84 | 115.10   | 71.96     | -21.9 | -19.9 | 1.9      |
| PHLX <sup>§</sup> Gold/Silver   | 119.65   | 117.26   | 118.05   | 1.11    | 0.95  | 144.37   | 91.40     | 18.6  | -2.3  | -8.      |
| PHLX <sup>§</sup> Oil Service   | 96.45    | 94.76    | 94.78    | -0.61   | -0.64 | 98.76    | 56.08     | 49.0  | 13.0  | 40.      |
| PHLX <sup>§</sup> Semiconductor | 3485.72  | 3397.97  | 3398.80  | -60.22  | -1.74 | 3861.63  | 2162.32   | 35.1  | 34.2  | 16.3     |
| Cboe Volatility                 | 15.15    | 13.57    | 15.14    | 1.03    | 7.3   | 0 33.63  | 12.82     | -45.9 | -30.1 | -16.3    |

|                      |      | ,     |        |       |       |        |        |  |  |
|----------------------|------|-------|--------|-------|-------|--------|--------|--|--|
| Percentage gainers   |      |       |        |       |       |        |        |  |  |
| FedEx                | FDX  | 894.8 | 263.60 | 13.08 | 5.22  | 265.99 | 250.00 |  |  |
| Novocure             | NVCR | 81.7  | 18.30  | 0.52  | 2.92  | 18.30  | 17.71  |  |  |
| Graf Acquisition IV  | GFOR | 78.5  | 10.01  | 0.27  | 2.77  | 10.43  | 9.94   |  |  |
| Cutera               | CUTR | 54.8  | 8.52   | 0.22  | 2.65  | 8.68   | 8.30   |  |  |
| Taylor Morrison Home | TMHC | 261.1 | 46.00  | 1.15  | 2.56  | 46.16  | 44.77  |  |  |
| And losers           |      |       |        |       |       |        |        |  |  |
| C3.ai                | Al   | 431.7 | 25.05  | -1.35 | -5.11 | 26.70  | 24.60  |  |  |
| Pitney Bowes         | PBI  | 452.6 | 3.17   | -0.13 | -4.05 | 3.30   | 3.17   |  |  |
| Cincinnati Financial | CINF | 113.9 | 105.15 | -4.37 | -3.99 | 109.52 | 105.15 |  |  |

57.8

6.00

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Net chg

-0.36

0.03

0.05

0.07

-0.21 -0.07 325.72 305.42

-0.40 -0.11 364.69 363.95

0.02 179.14 175.33

0.14 34.75 34.58

0.36 19.46 19.26

-0.18

unch.

438.28

175.52

34.74

19.43

8.31 -0.02

320.56

54.99

High

442.02 436.90

8.44

55.00 53.10

6.40 6.00

8.29

Volum (000)

5,412.5

3,557.4

2,670.0

2,547.6

2,344.1

2,082.1

1.991.7 364.14

Most-active issues in late trading

INTC

SOFI

MSFT

CRH

QQQ

STT

YEXT

SPDR S&P 500 ETF Trust SPY 13,790.6

ProSh UltraPro Shrt QQQ SQQQ

SoFi Technologies

Invesco 000 Trust I

## **Trading Diary**

Volume, Advancers, Decliners NYSE NYSE Amer. Total volume\* 759,415,129 7,631,292 Adv. volume\* 261,471,026 2,700,025 Decl. volume° 485,355,509 4,748,476 3,008 329 Advances 1,169 126 **Declines** 1,735 189 104 14 Unchanged 50 New lows 68 15 0.75 1.06 Closing Arms 3 838 110

| olock traues       | ن د ن ر د | 117         |
|--------------------|-----------|-------------|
|                    | Nasdaq    | NYSE Arca   |
| otal volume*4,78   | 2,447,469 | 246,364,701 |
| Adv. volume*1,886  | 5,377,930 | 89,178,537  |
| Decl. volume*2,847 | 7,926,169 | 154,850,810 |
| ssues traded       | 4,545     | 1,772       |
| Advances           | 1,495     | 398         |
| Declines           | 2,839     | 1,347       |
| Inchanged          | 211       | 27          |
| lew highs          | 51        | 16          |
| lew lows           | 262       | 46          |
| losing Arms†       | 0.80      | 0.49        |
| Block trades*      | 44,819    | 1,232       |
|                    |           |             |

\* Primary market NYSE NYSE American NYSE Arca only '(TRIN) A comparison of the number of advancing and declining issues with the volume of shares rising and falling. An Arms of less than 1 indicates buying demand; above 1 indicates selling pressure.

#### International Stock Indexes

|               |                       |           |         | Latest - |      | YTI  |
|---------------|-----------------------|-----------|---------|----------|------|------|
| Region/Countr | y Index               | Close     | Net chg | % ch     | ng   | % ch |
| World         | MSCI ACWI             | 675.24    | -3.32   | -0.49    |      | 11.  |
|               | MSCI ACWI ex-USA      | 298.75    | 0.70    |          | 0.24 | 6.   |
|               | MSCI World            | 2936.36   | -14.81  | -0.50    |      | 12.  |
|               | MSCI Emerging Markets | 970.87    | -3.63   | -0.37    |      | 1.   |
| Americas      | MSCI AC Americas      | 1669.97   | -14.52  | -0.86    |      | 14.  |
| Canada        | S&P/TSX Comp          | 20214.69  | -4.20   | -0.02    |      | 4.   |
| Latin Amer.   | MSCI EM Latin America | 2413.38   | 17.37   |          | 0.72 | 13.  |
| Brazil        | BOVESPA               | 118695.32 | 849.54  |          | 0.72 | 8.   |
| Chile         | S&P IPSA              | 3345.54   | -39.38  | -1.16    |      | 5.   |
| Mexico        | S&P/BMV IPC           | 52507.23  | 287.47  |          | 0.55 | 8.   |
| EMEA          | STOXX Europe 600      | 460.66    | 4.14    |          | 0.91 | 8.4  |
| Eurozone      | Euro STOXX            | 452.62    | 3.67    |          | 0.82 | 10.  |
| Belgium       | Bel-20                | 3711.00   | 33.25   | i        | 0.90 | 0.   |
| Denmark       | OMX Copenhagen 20     |           | 44.15   |          | 2.06 | 19.  |
| France        | CAC 40                | 7330.79   | 48.67   | i        | 0.67 | 13.  |
| Germany       | DAX                   | 15781.59  | 117.11  |          | 0.75 | 13.  |
| Israel        | Tel Aviv              | 1857.23   | 18.20   |          | 0.99 | 3.   |
| Italy         | FTSEMIB               | 29229.30  | 471.67  |          | 1.64 | 23.  |
| Netherlands   | AEX                   | 738.32    | 3.39    |          | 0.46 | 7.   |
| Norway        | Oslo Bors All-Share   | 1510.69   | 4.69    |          | 0.31 | 10.  |
| South Africa  | FTSE/JSE All-Share    | 74824.09  | 1017.67 |          | 1.38 | 2.   |
| Spain         | IBEX 35               | 9645.80   | 118.60  |          | 1.24 | 17.  |
| Sweden        | OMX Stockholm         | 813.58    | 10.35   |          | 1.29 | 4.   |
| Switzerland   | Swiss Market          | 11154.11  | 85.41   |          | 0.77 | 4.   |
| Turkey        | BIST 100              | 7719.82   | -64.19  | -0.82    |      | 40.  |
| U.K.          | FTSE 100              | 7731.65   | 71.45   |          | 0.93 | 3.   |
| U.K.          | FTSE 250              | 18712.37  | 285.67  |          | 1.55 | -0.  |
| Asia-Pacific  | MSCI AC Asia Pacific  | 161.69    | -1.06   | -0.65    |      | 3.   |
| Australia     | S&P/ASX 200           | 7163.30   | -33,33  | -0.46    |      | 1.   |
| China         | Shanghai Composite    | 3108.57   | -16.39  | -0.52    |      | 0.   |
| Hong Kong     | Hang Seng             | 17885.60  | -111.57 | -0.62    |      | -9.  |
| India         | S&P BSE Sensex        | 66800.84  | -796.00 | -1.18    |      | 9.   |
| Japan         | NIKKEI 225            | 33023.78  | -218.81 | -0.66    |      | 26.  |
| Singapore     | Straits Times         | 3242.00   | 1.26    |          | 0.04 | -0.  |
| South Korea   | KOSPI                 | 2559.74   | 0.53    |          | 0.02 | 14.  |
| Taiwan        | TAIEX                 | 16534.75  | -101.57 | -0.61    |      | 17.  |
| Thailand      | SET                   | 1507.90   | -15.06  | -0.99    |      | -9.  |

## Percentage Gainers...

|                          |        | — Lā  | itest Sess | sion — | _     | - 52-We€ | k     |
|--------------------------|--------|-------|------------|--------|-------|----------|-------|
| Company                  | Symbol | Close | Net chg    | % chg  | High  | Low      | % chg |
| Wedbush ETFMG Glb Cloud  | IVES   | 35.19 | 19.43      | 123.33 | 38.40 | 26.17    | 18.4  |
| Digital Transformation   | DTOCU  | 32.89 | 16.03      | 95.08  | 32.89 | 9.53     | 235.3 |
| Digital Transformation A | DTOC   | 25.97 | 12.27      | 89.56  | 39.60 | 7.02     | 164.7 |
| Bluejay Diagnostics      | BJDX   | 4.75  | 1.65       | 53.23  | 18.91 | 2.90     | -72.1 |
| Avinger                  | AVGR   | 13.79 | 3.34       | 31.96  | 24.30 | 4.14     | -28.7 |
| Cambridge Bancorp        | CATC   | 61.50 | 12.91      | 26.57  | 93.00 | 44.62    | -25.9 |
| TradeUP Acquisition      | UPTD   | 12.25 | 2.56       | 26.42  | 33.00 | 6.88     | 21.9  |
| Solowin Holdings         | SWIN   | 3.00  | 0.55       | 22.45  | 12.74 | 2.06     |       |
| Cemtrex                  | CETX   | 6.60  | 1.15       | 21.10  | 14.46 | 3.15     | -14.7 |
| Steelcase                | SCS    | 10.51 | 1.70       | 19.30  | 11.38 | 6.20     | 13.7  |
| MEI Pharma               | MEIP   | 6.25  | 0.91       | 17.04  | 9.60  | 4.00     | -23.8 |
| MoneyLion                | ML     | 24.80 | 3.61       | 17.04  | 38.70 | 7.50     | -30.5 |
| Renovaro Biosciences     | RENB   | 3.39  | 0.44       | 14.92  | 3.84  | 0.39     | 58.4  |
| Regencell Bioscience     | RGC    | 14.18 | 1.78       | 14.35  | 33.82 | 10.70    | -56.3 |
| eHealth                  | EHTH   | 7.64  | 0.92       | 13.69  | 10.57 | 2.67     | 39.9  |
|                          |        |       |            |        |       |          |       |

## **Most Active Stocks**

| Company   | Symbol | Volume<br>(000) | % chg from =<br>65-day avg | Latest S<br>Close | Session<br>% chg | 52-W<br>High | eek    |  |  |  |
|---|--------|-----------------|----------------------------|-------------------|------------------|--------------|--------|--|--|--|
| MSP Recovery  | LIFW   | 504,484         | 3634.7                     | 0.15              | 64.14            | 1.74         | 0.04   |  |  |  |
| EBET  | EBET   | 488,593         | 382.5                      | 0.07              | 24.76            | 2.66         | 0.03   |  |  |  |
| NIO ADR   | NIO    | 122,457         | 99.4                       | 8.82              | 3.16             | 20.16        | 7.00   |  |  |  |
| Tesla   | TSLA   | 121,922         | -1.1                       | 262.59            | -1.47            | 313.80       | 101.81 |  |  |  |
| ProSh UltraPro Shrt QQQ   | SQQQ   | 115,667         | -4.6                       | 19.36             | 4.28             | 69.55        | 16.38  |  |  |  |
| ProShares UltraPro QQQ  | TQQQ   | 96,558          | 4.5                        | 37.75             | -4.34            | 47.14        | 16.10  |  |  |  |
| Nikola  | NKLA   | 92,169          | -1.2                       | 1.40              | -10.00           | 4.56         | 0.52   |  |  |  |
| Canopy Growth   | CGC    | 84,750          | 69.4                       | 0.87              | -15.34           | 4.77         | 0.35   |  |  |  |
| SPDR S&P 500 ETF Trust  | SPY    | 81,575          | 11.0                       | 438.64            | -0.92            | 459.44       | 348.11 |  |  |  |
| T2 Biosystems   | TTOO   | 80,221          | -28.3                      | 0.30              | -11.00           | 5.72         | 0.05   |  |  |  |
| Volumes of 100,000 shares or more are rounded to the nearest thousand |        |                 |                            |                   |                  |              |        |  |  |  |

Treasury yield curve

Yield to maturity of current bills,

1 3 6 1 2 3 5 7 10 20 30

years

One year ago

notes and bonds

Tradeweb ICE

month(s)

Wednesday Close

**CREDIT MARKETS** 

7.73%

# Scan this code

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> **Forex Race** Yen, euro vs. dollar; dollar vs. major U.S. trading partners

> > WSJ Dollar Index

-14

2022 2023

Sources: J.P. Morgan; Bloomberg Fixed Income Indices; ICE Data Services

All are available free at WSJMarkets.com

5.00%

4.00

3.00

2.00

1.00

0.00

#### **Percentage Losers**

74.8 66.96 -2.73 **-3.92** 69.69 66.96

-0.22 **-3.54** 

|                          |        | — Lā  | itest Sess | ion —  | _      | - 52-We | ek —— |
|--------------------------|--------|-------|------------|--------|--------|---------|-------|
| Company                  | Symbol | Close | Net chg    | % chg  | High   | Low     | % chg |
| ARS Pharmaceuticals      | SPRY   | 2.92  | -3.69      | -55.79 | 9.65   | 2.55    | -38.5 |
| QuantaSing Group ADR     | QSG    | 3.40  | -2.30      | -40.35 | 28.99  | 3.21    |       |
| Cheche Group             | CCG    | 25.00 | -7.37      | -22.77 | 200.00 | 11.47   |       |
| Mondee Holdings          | MOND   | 5.03  | -1.37      | -21.41 | 14.25  | 4.90    | -52.0 |
| Safe & Green Development | SGDVV  | 5.22  | -1.38      | -20.91 | 10.46  | 4.31    |       |
| Freightos                | CRGO   | 2.01  | -0.50      | -19.92 | 31.15  | 1.85    | -79.8 |
| Biolase                  | BIOL   | 1.71  | -0.38      | -18.18 | 287.00 | 1.67    | -99.4 |
| DatChat                  | DATS   | 3.32  | -0.72      | -17.76 | 8.49   | 1.41    | -51.0 |
| LanzaTech Global         | LNZA   | 6.93  | -1.45      | -17.30 | 10.80  | 2.63    | -29.5 |
| Sezzle                   | SEZL   | 14.39 | -3.01      | -17.30 | 81.08  | 11.33   |       |
| Getty Images             | GETY   | 6.11  | -1.19      | -16.30 | 8.38   | 3.42    | -23.5 |
| Neumora Therapeutics     | NMRA   | 10.13 | -1.85      | -15.44 | 17.74  | 9.90    |       |
| Axcella Health           | AXLA   | 10.36 | -1.79      | -14.73 | 51.75  | 2.59    | -77.4 |
| CalciMedica              | CALC   | 2.67  | -0.43      | -13.87 | 14.98  | 1.00    | -81.5 |
| NWTN                     | NWTN   | 8.00  | -1.25      | -13.51 | 13.50  | 2.06    | -22.6 |
|                          |        |       |            |        |        |         |       |

# **Volume Movers** Ranked by change from 65-day average

| Company                         | Symbol      | Volume<br>(000) | % chg from 1<br>65-day avg | Latest S<br>Close | Session<br>% chg | 52-W<br>High | eek     |
|---------------------------------|-------------|-----------------|----------------------------|-------------------|------------------|--------------|---------|
| Digital Transformation A        | DTOC        | 4,573           | 18364                      | 25.97             | 89.56            | 39.60        | 7.02    |
| Concord Acqn III CI A           | CNDB        | 375             | 6002                       | 10.63             | -0.93            | 10.80        | 9.96    |
| Hennessy Cap Invt VI            | HCVI        | 9,214           | 5172                       | 10.39             | 0.24             | 10.60        | 9.66    |
| Horizon Space Acqn I            | HSPO        | 1,210           | 4770                       | 10.57             | 0.09             | 10.84        | 10.10   |
| Exscientia ADR                  | EXAI        | 13,263          | 3736                       | 4.53              | -10.47           | 11.52        | 4.09    |
| Finnovate Acqn Cl A             | FNVT        | 201             | 3551                       | 10.84             | 0.28             | 11.50        | 10.06   |
| ARS Pharmaceuticals             | SPRY        | 18,947          | 3259                       | 2.92              | -55.79           | 9.65         | 2.55    |
| CF Acqn VIII CI A               | CFFE        | 513             | 3078                       | 16.63             | 9.26             | 20.35        | 9.85    |
| Cemtrex                         | CETX        | 774             | 3030                       | 6.60              | 21.10            | 14.46        | 3.15    |
| Avantis Core Muni Fixed         | AVMU        | 215             | 2892                       | 45.34             | -0.02            | 47.04        | 43.77   |
| ° Common stocks priced at \$2 a | chare or mo | oro with an     | 200520000                  | dumo ovo          | r 65 tradi       | na days of   | atloact |

5,000 shares †Has traded fewer than 65 days

# **CURRENCIES & COMMODITIES**

## **Currencies**

IIS-dollar foreign-exchange rates in late New York trading

|                         |          | Ved —    | US\$vs, |                       |             | Ved —     | US\$ |
|-------------------------|----------|----------|---------|-----------------------|-------------|-----------|------|
| Country/currency        | in US\$  | per US\$ |         | Country/currency      | in US\$     | per US\$  |      |
| Americas                |          |          |         | Vietnam dong          | .00004117   | 24290     | 2.   |
| Argentina peso          | .0029    | 349.9478 | 98.0    | Europe                |             |           |      |
| Brazil real             | .2049    | 4.8811   | -7.6    | Czech Rep. koruna     | .04371      | 22.880    | 1    |
| Canada dollar           | .7429    | 1.3462   | -0.7    | Denmark krone         | .1430       | 6.9913    | 0.   |
| Chile peso              | .001133  | 882.60   | 4.0     | Euro area euro        | 1.0662      | .9380     | 0.   |
| Colombiapeso            | .000256  | 3908.00  | -19.4   | <b>Hungary</b> forint | .002776     | 360.28    | -3.  |
| Ecuador US dollar       | 1        | 1        | unch    | Iceland krona         | .007373     | 135.63    | -4   |
| Mexico peso             | .0585    | 17.0930  | -12.3   | Norway krone          | .0927       | 10.7879   | 10   |
| <b>Uruguay</b> peso     | .02622   | 38.1450  | -4.6    | Poland zloty          | .2312       | 4.3244    | -1   |
| Asia-Pacific            |          |          |         | Russia ruble          | .01041      | 96.025    |      |
| <b>Australia</b> dollar | 6448     | 1.5509   | 5.7     | Sweden krona          |             | 11.1427   | 6    |
| China vuan              | .1372    |          | 5.6     | Switzerland franc     | 1.1130      | .8985     | _    |
| Hong Kong dollar        | .1278    | 7.8238   | 0.2     | Turkey lira           |             | 27.0278   |      |
| India rupee             |          | 83.059   | 0.4     | Ukraine hryvnia       |             | 36.9500   | 0    |
| Indonesia rupiah        | .0000651 |          |         | <b>UK</b> pound       | 1.2344      | .8101     | -2   |
| Japan ven               | .006741  |          |         | Middle East/Afri      | ica         |           |      |
| Kazakhstan tenge        | .002112  |          |         | Bahrain dinar         | 2.6525      | .3770     | -0.0 |
| Macau pataca            | .1240    | 8.0625   | 0.2     | Egypt pound           | .0324       | 30.8984   | 24   |
| Malaysia ringgit        | .2134    | 4.6855   | 6.4     | Israel shekel         | .2626       | 3.8083    | 8    |
| New Zealand dollar      | .5928    | 1.6869   | 7.1     | Kuwait dinar          | 3.2376      | .3089     | 0    |
| Pakistan rupee          | .00340   | 294.025  | 29.7    | Oman sul rial         | 2.5974      | .3850     | une  |
| Philippines peso        | .0177    | 56.656   | 1.8     | Qatar rial            | .2743       | 3.645     | -0   |
| Singapore dollar        | .7324    | 1.3653   | 1.8     | Saudi Arabia riyal    | .2666       | 3.7511    | -0   |
| South Korea won         | .0007500 | 1333.29  | 5.7     | South Africa rand     | .0530       | 18.8601   | 10   |
| Sri Lanka rupee         | .0030753 | 325.17   | -11.5   |                       |             |           |      |
| Taiwan dollar           | .03120   | 32.054   | 4.6     |                       | Close Net C | hg %Chg \ |      |
| Thailand baht           | .02766   | 36.150   | 4.4     | WSJ Dollar Index      | 99.48 0.1   | L6 0.16   | 3.0  |

|                   |           |          | US\$vs, |
|-------------------|-----------|----------|---------|
|                   |           | Ved —    |         |
| Country/currency  | in US\$   | per US\$ | (%)     |
| Vietnam dong      | .00004117 | 24290    | 2.8     |
| Europe            |           |          |         |
| Czech Rep. koruna | .04371    | 22.880   | 1.4     |
| Denmark krone     | .1430     | 6.9913   | 0.6     |
| Euro area euro    | 1.0662    | .9380    | 0.4     |
| Hungary forint    | .002776   | 360.28   | -3.5    |
| Iceland krona     | .007373   | 135.63   | -4.2    |
| Norway krone      | .0927     | 10.7879  | 10.0    |
| Poland zloty      | .2312     | 4.3244   | -1.2    |
| Russia ruble      | .01041    | 96.025   | 30.2    |
| Sweden krona      | .0897     | 11.1427  | 6.8     |
| Switzerland franc | 1.1130    | .8985    | -2.9    |
| Turkey lira       | .0370     | 27.0278  | 44.6    |
| Ukraine hryvnia   | .0271     | 36.9500  | 0.3     |
| <b>UK</b> pound   | 1.2344    | .8101    | -2.0    |
| Middle East/Afric | ca        |          |         |
| Bahrain dinar     | 2.6525    | .3770    | -0.01   |
| Egypt pound       | .0324     | 30.8984  | 24.8    |
| Israel shekel     | .2626     | 3.8083   | 8.0     |
| Kuwait dinar      | 3.2376    | .3089    | 0.9     |
| Oman sul rial     | 2.5974    | .3850    | unch    |
| Oatar rial        | .2743     | 3.645    | -0.6    |

Sources: Tullett Prehon Dow Jones Market Data

#### Sources: Tradeweb ICE U.S. Treasury Close; Tullett Prebon; Dow Jones Market Data Corporate Borrowing Rates and Yields

| corporate Doi                |            | 9     | 16656               | ····           | ·····         | 3                              |
|------------------------------|------------|-------|---------------------|----------------|---------------|--------------------------------|
| Bond total return index      | Close      |       | d (%) —<br>Week ago | — 52-V<br>High | Veek —<br>Low | Total Return (%)<br>52-wk 3-yr |
| U.S. Treasury, Bloomberg     | 2075.280   | 4.770 | 4.630               | 4.770          | 3.610         | <b>-1.285</b> -5.513           |
| U.S. Treasury Long, Bloomber | g 3010.390 | 4.550 | 4.470               | 4.590          | 3.610         | <b>-8.197</b> -14.448          |
| Aggregate, Bloomberg         | 1949.850   | 5.230 | 5.110               | 5.230          | 4.180         | <b>-0.111</b> -4.845           |
| Fixed-Rate MBS, Bloomber     | g 1923.200 | 5.270 | 5.150               | 5.380          | 4.140         | <b>-0.656</b> -4.502           |
| High Yield 100, ICE BofA     | 3321.923   | 8.193 | 8.099               | 8.753          | 7.022         | <b>8.061</b> 1.575             |
| Muni Master, ICE BofA        | 560.614    | 3.717 | 3.659               | 3.936          | 2.757         | <b>2.999</b> -1.553            |
| EMBI Global, J.P. Morgan     | 791.971    | 8.023 | 7.988               | 9.159          | 7.102         | <b>6.005</b> -4.110            |

# **Commodities**

| Commodities              | '       | - Wedne | ocday — |         | 52-Week |        | YTD    |
|--------------------------|---------|---------|---------|---------|---------|--------|--------|
|                          | Close   | Net chg | % Chg   | High    | Low     | % Chg  | % chg  |
| DJ Commodity             | 1022.09 | -1.73   | -0.17   | 1071.61 | 930.59  | -1.91  | -2.54  |
| Refinitiv/CC CRB Index   | 288.48  | -1.52   | -0.53   | 290.29  | 253.85  | 3.68   | 3.86   |
| Crude oil, \$ per barrel | 90.28   | -0.92   | -1.01   | 92.64   | 66.74   | 8.85   | 12.48  |
| Natural gas, \$/MMBtu    | 2.733   | -0.115  | -4.04   | 7.779   | 1.991   | -64.87 | -38.93 |
| Gold, \$ per troy oz.    | 1945.60 | 13.60   | 0.70    | 2048.00 | 1623.30 | 16.88  | 6.92   |

#### **Consumer Rates and Returns to Investor** U.S. consumer rates Selected rates 30-year mortgage, Rate

| A consumer rate against its          | 30-year mortgage                     |
|--------------------------------------|--------------------------------------|
| benchmark over the past year         | Bankrate.com avg†:                   |
| 7.00%                                | Community First Bar<br>Kokomo, IN    |
| 30-year fixed-rate 6.00 mortgage     | Farmers State Bank<br>Marion, IA     |
| 5.00<br>10-year Treasury             | First National Bank<br>Waverly, IA   |
| ▼ note yield 4.00                    | First National Bank<br>Ames, IA      |
| O N D J F M A M J J A S<br>2022 2023 | Florence Savings Bar<br>Florence, MA |
|                                      |                                      |

| M. more                                  | 7.00%                |                      | munity Firs<br>mo, IN          | st Bank    | 765-2          | <b>6.25</b> %<br>36-0600 |
|--|----------------------|----------------------|--------------------------------|------------|----------------|--------------------------|
| 30-year fixed-rat                        | te 6.00              |                      | n <b>ers State E</b><br>on, IA | Bank       | 319-3          | <b>6.63</b> % 90-2534    |
| 10-year Treasury ▼ note yield            | 5.00                 |                      | National B<br>erly, IA         | ank        | 319-2          | <b>6.63</b> %<br>66-2000 |
| Jugge Allega A.                          | 4.00                 | First<br>Ame         | <b>National B</b><br>s, IA     | ank        | 515-2          | <b>6.75</b> % 32-5561    |
| O N D J F M A M J J A<br>2022 2023       | S                    |                      | nce Saving<br>nce, MA          | js Bank    | 800-6          | <b>6.75</b> %<br>44-8261 |
| Interest rate                            | −Yield/R<br>Last (●) | ate (%)—<br>Week ago | — 52-We<br>Low 0 2             | ek Range ( |                | 3-yr chg<br>(pct pts)    |
| Federal-funds rate target<br>Prime rate* | 5.25-5.50<br>8.50    | 5.25-5.50<br>8.50    | 2.25<br>5.50                   | •          | 5.50<br>• 8.50 | 5.25<br>5.25             |

| 2022 2023   |              | Flore                   | nce, MA | 4      |   | 800-6           | 44-8261               |
|---|--------------|-------------------------|---------|--------|---|-----------------|-----------------------|
| Interest rate   |              | tate (%)—<br>) Week ago |         | 2-Week |   | %) ——<br>8 High | 3-yr chg<br>(pct pts) |
| Federal-funds rate target   | 5.25-5.50    | 5.25-5.50               | 2.25    |        | • | 5.50            | 5.25                  |
| Prime rate*   | 8.50         | 8.50                    | 5.50    |        |   | ● 8.50          | 5.25                  |
| SOFR  | 5.31         | 5.30                    | 2.25    |        | • | 5.31            | 5.22                  |
| Money market, annual yield  | 0.59         | 0.58                    | 0.16    | •      |   | 0.60            | 0.37                  |
| Five-year CD, annual yield  | 2.83         | 2.83                    | 1.92    |        |   | 2.86            | 2.19                  |
| 30-year mortgage, fixed <sup>†</sup>  | 7.73         | 7.70                    | 6.36    |        |   | 7.74            | 4.77                  |
| 15-year mortgage, fixed <sup>†</sup>  | 6.89         | 6.91                    | 5.54    |        |   | 6.93            | 4.37                  |
| Jumbo mortgages, \$726,200-plus   | 7.81         | 7.78                    | 6.35    |        |   | 7.83            | 4.83                  |
| Five-year adj mortgage (ARM)  | 6.55         | 6.57                    | 4.94    |        |   | 6.59            | 3.70                  |
| New-car loan, 48-month  | 7.47         | 7.47                    | 5.16    |        | - | 7.64            | 3.29                  |
| Bankrate.com rates based on survey of ov<br>banks.† Excludes closing costs. | /er 4,800 on | line banks. °           |         |        |   |                 | -                     |

Sources: FactSet: Dow Jones Market Data: Bankrate.com

wsi.com/market-data/commodities

# **COMMODITIES**

interest

-.053 113,218 -.049 85,789

4.50 329,769 4.50 128,049

5.70 44,862 5.90 196,226

-1.08 40,962 -1.00 187,574

4.75 241,633 4.50 80,706

-.07 -.07 9,087

.925 1.975

-6.00 5,904

Chg

| Fut         | ures (                        | Conti            | ac             | :ts                 |                |        |                  |               | 0                | Con<br>High hile | tract                        | Settle  |
|-------------|-------------------------------|------------------|----------------|---------------------|----------------|--------|------------------|---------------|------------------|------------------|------------------------------|---------|
|             |                               |                  |                |                     |                |        |                  |               | 0pen             | High hil         | o Low                        | Settle  |
|             | М                             | etal & I         | Peti           | roleum              | Future         | s      |                  | March         | 3.273            | 3.294            | 3.219                        | 3.230   |
|             |                               |                  | ntrac          |                     |                | _      | Open             | April         | 3.031            | 3.056            | 2.986                        | 2.992   |
|             | Open                          | Hiah             |                | Low                 | Settle         | Cha    | interest         |               |                  |                  |                              |         |
| c           |                               | _                |                |                     | Jettle         | City   | interest         |               |                  | Agricu           | ılture Fut                   | ures    |
|             | er-High (C)<br>3.7335         |                  | JU IDS         | 3.7080              | 3.7465         | 0.0325 | 1.0/0            | Corn (C       | <b>T)</b> _5,000 | bu.; cents pe    | e bu                         |         |
| Sept<br>Dec | 3.7520                        | 3.7455<br>3.7895 |                | 3.7385              | 3.7760         |        | 1,969<br>134,594 | Dec           | 476.00           | 483.00           | 474.50                       | 482.25  |
|             | 3.7520<br><b>CMX)</b> -100 ti |                  | · + + v o      |                     | 5.7700         | 0.0290 | 134,394          | March'24      | 490.25           | 497.50           | 488.75                       | 496.75  |
| Sept        | 1933.30                       | 1933.30          | 21 110         | 1929.20             | 1945.60        | 13.60  | 801              |               |                  | bu.: cents pe    |                              | 470.77  |
| Oct         |                               | 1950.20          |                | 1929.20             | 1948.60        | 13.30  | 22,985           | Dec           | 437.00           | 443.00           | 425.25                       | 436.00  |
| Nov         |                               | 1959.40          |                | 1941.30             | 1958.00        | 13.50  | 98               | March'24      | 452.25           | 452.50           | 444.25                       | 451.50  |
| Dec         |                               | 1968.90          | _              | 1948.60             | 1967.10        | 13.40  | 375.019          |               |                  | -5.000 bu.: c    |                              | 471.70  |
| Feb'24      |                               | 1988.70          |                | 1968.80             | 1986.90        | 13.20  | 20,236           | Nov           |                  | -5,000 bu., c    | 1310.25                      | 1320.00 |
| April       |                               | 2007.50          |                | 1989.60             | 2006.10        | 13.20  | 9,038            | March'24      |                  |                  | 1336.75                      | 1346.75 |
|             | lium (NYM                     |                  | 02.8           |                     |                | 15.20  | 7,030            |               |                  |                  | 2330.75<br>2005; \$ per ton. |         |
| Sept        |                               | , ,,,,,,         | υ <u>υ</u> , φ | per croy or         | 1271.60        | 14.50  | 5                | Oct           | 391.70           | 399.50           | 391.40                       | 397.20  |
| Dec         | 1267 50                       | 1301.50          |                | 1265.00             | 1281.30        | 14.80  | 16,750           | Dec           | 389.20           | 397.10           | 389.00                       | 397.20  |
|             | um (NYM)                      |                  | ::\$ p         |                     | 1202150        | 11.00  | 20,750           |               |                  |                  | bs.; cents per               |         |
| Sept        |                               | ,                | · , + F        | ,                   | 942.30         | -6.10  | 1                | Oct           | 61.85            | 62.05            | 60.62                        | 60.68   |
| Jan'24      | 951.00                        | 955.10           |                | 938.70              | 949.60         | -3.80  | 42,127           | Dec           | 60.29            | 60.57            | 59.22                        | 59.29   |
| Silver      | (CMX)-5,00                    | 00 trov oz.:     | \$ per         | r trov oz.          |                |        | ,                |               |                  |                  | 59.22<br>t.; \$ per cwt.     | 59.29   |
| Sept        | 23,350                        | 23,350           |                | 23,350              | 23,579         | 0.385  | 66               |               |                  | 16.15            |                              | 15.96   |
| Dec         | 23,480                        | 23.880           |                | 23,325              | 23.836         | 0.380  | 113,253          | Nov<br>Jan'24 | 15.96<br>16.44   | 16.44            | 15.91                        | 16.25   |
| Crude       | Oil, Light                    | Sweet            | NYN            | <b>1)</b> -1,000 bl | ols.; \$ per b |        |                  |               |                  |                  | 16.24                        | 16.25   |
| Oct         | 91.55                         | 91.98            |                | 89.87               | 90.28          | -0.92  | 23,385           |               |                  | 00 bu.; cents    |                              | 588.75  |
| Nov         | 90.63                         | 91.07            |                | 88.97               | 89.66          | -0.82  | 345,308          | Dec           | 585.25           | 596.25           | 581.50                       |         |
| Dec         | 89.30                         | 89.60            |                | 87.76               | 88.34          | -0.83  | 256,912          | March'24      | 611.00           | 621.75           | 608.25                       | 614.75  |
| Jan'24      | 88.01                         | 88.23            |                | 86.56               | 87.06          | -0.83  | 131,497          |               |                  | 0 bu; cents p    |                              | 720.00  |
| June        | 83.12                         | 83.26            |                | 81.92               | 82.29          | -0.65  | 155,050          | Dec           | 730.50           | 741.00           | 722.00                       | 729.00  |
| Dec         | 79.41                         | 79.58            |                | 78.52               | 78.89          | -0.39  | 129,925          | March'24      |                  | 746.50           | 728.50                       | 734.50  |
|             | rbor ULS                      |                  | 42,0           |                     |                |        |                  |               |                  |                  | 00 lbs.; cents p             |         |
| Oct         | 3.3989                        | 3.4180           |                | 3.2920              | 3.3268         |        | 43,594           | Sept          |                  | 254.500          | 252.825                      | 254.175 |
| Nov         | 3.3192                        | 3.3322           |                | 3.2161              |                | 0469   | 79,954           | Nov           |                  | 266.025          | 263.850                      | 265.575 |
|             | ine-NY RE                     |                  | <b>VI)</b> -42 |                     |                |        |                  |               |                  |                  | os.; cents per l             |         |
| Oct         | 2.6641                        | 2.6789           |                | 2.6099              |                | 0389   | 56,719           | Oct           |                  | 186.925          | 185.075                      | 186.775 |
| Nov         | 2.6062                        | 2.6260           |                | 2.5600              |                | 0343   | 130,126          | Dec           |                  | 191.675          | 189.675                      | 191.525 |
|             | al Gas (NY                    |                  | O MN           |                     |                |        |                  |               |                  |                  | s.; cents per l              |         |
| Oct         | 2.819                         | 2.824            |                | 2.693               | 2.733          | 115    | 73,730           | Oct           | 84.975           | 86.125           | 84.275                       | 85.775  |
| Nov         | 3.009                         | 3.016            |                | 2.901               | 2.921          | 105    | 275,706          | Dec           | 76.025           | 78.700           | 75.975                       | 78.225  |
| Dec         | 3.374                         | 3.389            | _              | 3.298               | 3.316          | 068    | 81,566           |               |                  |                  | \$ per 1,000 b               |         |
| Jan'24      | 3.597                         | 3.626            | ₩              | 3.540               | 3.563          | 053    | 111,613          | Nov           | 486.00           | 486.50           | ▼ 482.50                     | 482.50  |
|             |                               |                  |                |                     |                |        |                  |               |                  |                  |                              |         |

#### Cash Prices | wsj.com/market-data/com/

Wednesday, September 20, 2023

These prices reflect buying and selling of a variety of actual or "physical" commodities in the marketplace separate from the futures price on an exchange, which reflects what the commodity might be worth in future

| \  | Nednesday          |  | Vednesday        |
|--|--------------------|--|------------------|
| Energy   |                    | Copper,Comex spot  | 3.7465           |
|  |                    | Iron Ore, 62% Fe CFR China-s                                   | *122.8<br>*700.0 |
| Coal,C.Aplc.,12500Btu,1.2S02-r,w                 | 70.000             | Steel, HRC USA, FOB Midwest Mill-s  Battery/EV metals          | /00.0            |
| Coal,PwdrRvrBsn,8800Btu,0.8S02-r,w               | 14.250             | BMI Lithium Carbonate. EXW China. =99.2%-v.w                   | 24375            |
| Metals   |                    | BMI Lithium Hydroxide, EXW China, =56.5% -v.w                  | 23425            |
|  |                    | BMI Cobalt sulphate, EXW China, >20.5% -v,m                    | 4795             |
| Gold, per troy oz                                |                    | BMI Nickel Sulphate, EXW China, >22%-v,m                       | 4281             |
| Engelhard industrial                             | 1935.00            | BMI Flake Graphite, FOB China, -100 Mesh, 94-95% -v,m          | 578              |
| Handy & Harman base<br>Handy & Harman fabricated | 1943.35<br>2157.12 | Fibers and Textiles  |                  |
|  | *1935.00           |  |                  |
|  | *1934.90           | Burlap,10-oz,40-inch NY yd-n,w<br>Cotton.11/16 std lw-mdMphs-u | 0.7000<br>0.8461 |
| Krugerrand.wholesale-e                           | 2029.60            | Cotlook 'A' Index-t  | *97.55           |
| Maple Leaf-e                                     | 2078.15            | Hides.hvv native steers piece fob-u                            | n.a.             |
| American Eagle-e                                 | 2078.15            | Wool,64s,staple,Terr del-u,w                                   | n.a.             |
| Mexican peso-e                                   | 2505.63            | Grains and Feeds   |                  |
| Austria crown-e                                  | 1906.74<br>2039.31 | Grains and Feeds   |                  |
| Austria phil-e                                   | 2039.31            | Bran,wheat middlings, KC-u,w                                   | 145              |
| Silver, troy oz.<br>Engelhard industrial         | 23,5500            | Corn,No. 2 yellow,Cent IL-bp,u                                 | 4.5100           |
| Handy & Harman base                              | 23.5500            | Corn gluten feed, Midwest-u, w                                 | 158.1            |
| Handy & Harman fabricated                        | 29,3950            | Corn gluten meal, Midwest-u, w<br>Cottonseed meal-u.w          | 567.6<br>340     |
|  | £18.8200           | Hominy feed.Cent IL-u.w  | 142              |
|  | *23.3300           | Meat-bonemeal,50% pro Mnpls-u.w                                | 443              |
| Coins,wholesale \$1,000 face-a                   | 19947              | Oats.No.2 milling.Mnpls-u                                      | 4.0100           |
| Other metals                                     |                    | Rice, Long Grain Milled, No. 2 AR-u,w                          | 37.25            |
| LBMA Platinum Price PM                           | *948.0             | Sorghum,(Milo) No.2 Gulf-u                                     | n.a.             |
| Platinum,Engelhard industrial                    | 950.0              | SoybeanMeal,Cent IL,rail,ton48%-u,w                            | 411.60           |
| Palladium,Engelhard industrial                   | 1305.0             | Soybeans,No.1 yllw IL-bp,u                                     | 12.8300          |
| Aluminum, LME, \$ per metric ton                 | *2174.5            | Wheat, Spring14%-pro Mnpls-u                                   | 8.8350           |

| Wheat - Hard - KC (USDA) \$ per bu-u         7.6200           Wheat No.1soft white.Portld,OR-u         6.8750           Beef,carcass equiv. index choice 1-3,600-900 lbs-u select 1-3,600-900 lbs-u         283.44           Broilers, National comp wid avg-u,w         160.05           Butter, AA Chicago-d Cheddar cheese,blbl,Chicago-d         161.00           Cheddar cheese,blk,Chicago-d Milk Nonfat dry, Chicago lb-d Coffee, Brazillan, Comp-y         162.00           Coffee, Colombian, NY-y         19312           Eggslarge white, Chicago-u         12.650           Flour,hard winter KC-p         18.60           Hams,17-20 lbs, Nid-US fob-u         0.98           Hogs,lowa-So, Minnesota-u         85,95 | W  | reanesaa  |
|--|--|---|
| Beef,carcass equiv. index         283.44           choice 1-3 600-900 lbs-u         260.45           Broilers, National comp wtd. avg-u,w         11,602           Butter, AA Chicago-d         161,00           Cheddar cheese,blk,Chicago-d         180,00           Cheddar cheese,blk,Chicago-d         180,00           Milk, Nonfact dry, Chicago b-d         12.75           Coffee, Brazilian, Comp-y         16420           Coffee, Glombian, NY-y         19312           EggsJarge white, Chicago-t         12.656           Flour, hard winter, KC-p         18.60           Hams, JY-20 lbs, Mik-US fob-u         0.98           Hogs, Iowa-So, Minnesota-u         85,95  | Wheat - Hard - KC (USDA) \$ per bu-u   | 5.0375<br>7.6200<br>6.8750  |
| choice 1-3600-900 lbs-u         283.44           select 1-3600-900 lbs-u         260.45           Broilers, National comp wtd. avg-u,w         1.600           Butter AA Chicago-d         161.00           Cheddar cheese,blk, Chicago-d         180.00           Milk Norfat dry, Chicago lbd         12.75           Coffee, Gerailian, Comp-y         1.6420           Coffee, Golombian, NY-y         19312           EggsJarge white, Chicago-u         1.2650           Flour, hard winter KC-p         18.60           Hams, JY-20 lbs, Mid-US fob-u         0.98           Hogs, Iowa-So, Minnesota-u         85,95   | Food   |   |
| Steers,TexOkla. Choice-u n.a.  | choice 1-3,600-900 lbs-u select 1-3,600-900 lbs-u Broilers, National comp wtd. avg-u,w Butter, AA Chicago-d Cheddar cheese,bbl,Chicago-d Cheddar cheese,bbl,Chicago-d Milk, Nonfat dry,Chicago lb. d Coffee, Brazilian,Comp-y Coffee, Colombian, NY-y Eggs,Jarge white,Chicago-u Flour hard winter KC-p Hams,17-20 lbs,Mid-US fob-u Hogs,lowa-So. Minnesota-u Pork bellies,12-14 lb MidUS-u Pork loins,13-19 lb MidUS-u Pork lore, Volka, Choice-u | 283.44<br>260.45<br>1.1602<br>2.8400<br>180.00<br>112.75<br>1.6420<br>1.9312<br>1.2650<br>0.98<br>85.95<br>1.5756<br>1.1166<br>n.a. |
|  | Degummed corn oil. crude wtd. avgu.w   | n.a.  |

| Steers,feeder,Okla. City-u,w         | 283.13 |
|--------------------------------------|--------|
| Fats and Oils                        |        |
| Degummed corn oil, crude wtd. avgu,w | n.a    |
| Grease,choice white,Chicago-h        | 0.6775 |
| Lard,Chicago-u                       | n.a    |
| Soybean oil,crude;Centl IL-u,w       | 0.6613 |
| Tallow,bleach;Chicago-h              | 0.7000 |
| Tallow.edible.Chicago-u              | n.a    |

ella & Brookes; H=American Commodities Brokerage Co; rgy; S=Platts-TSI; T=Cotlook Limited; U=USDA; V=Bench K=bi-weekly; M=monthly; N=nominal; n.a.=not quoted or not available; P=Sosland Publishing; R=SNL Mineral Intelligence; W=weekly; Y=International Coffee Organization; Z=not quoted. \*Data as of 9/19 Source: Dow Jones Market Data

# Borrowing Benchmarks | wsj.com/market-data/bonds/benchmarks

#### **Money Rates**

September 20, 2023

Week —52-WEEK— Latest ago High Low

7.25 7.25 4.25

Other short-term rates

ow or lend money in U.S. and international markets. Rates below are a s represent actual transactions.

Latest ago

|                                     |                          |                      |                      |                      | rrow or lend<br>ays represe  |                                      |
|-------------------------------------|--------------------------|----------------------|----------------------|----------------------|--|--------------------------------------|
|                                     | Infl<br>Aug. ir          | ation<br>dex         | Chg Fron             | n (%)                |  |                                      |
|                                     | le                       |                      | luly '23             |                      | Federal fu   | nds                                  |
| U.S. consu<br>All items<br>Core     | 307<br>310               | 7.026<br>0.103       | 0.44<br>0.23         | 3.7<br>4.3           | Effective rate<br>High<br>Low<br>Bid<br>Offer  | 5.34<br>5.65<br>5.31<br>5.33<br>5.36 |
| In                                  | <b>ternati</b><br>Latest | Week<br>ago          |                      | Week —<br>Low        | Treasury b   |                                      |
| Prime rate                          | es<br>8.50               | 8.50                 | 8.50                 | 5.50                 | 13 weeks<br>26 weeks   | 5.3<br>5.3                           |
| Canada<br>Japan                     | 7.20<br>1.475            | 7.20<br>1.475        | 7.20<br>1.475        | 5.45<br>1.475        | Se   | econ                                 |
| Policy Rat                          | es                       |                      |                      |                      | Fannie Ma<br>30-year mort  | _                                    |
| Euro zone<br>Switzerland<br>Britain | 4.50<br>2.25<br>5.25     | 4.25<br>2.25<br>5.25 | 4.50<br>2.25<br>5.25 | 1.25<br>0.25<br>1.75 | 30 days<br>60 days   | 6.73<br>6.73                         |
| Australia                           | 4.10                     | 4.10                 | 4.10                 | 2.35                 | Notes on dat   | a:                                   |
| Overnight<br>U.S.<br>U.S.           | repurci<br>5.34<br>gover | 5.31                 | 5.36<br>rates        | 2.26                 | U.S. prime rat<br>and is effective<br>widely by locator of September<br>average for over | e July<br>tion; I<br>19, 20          |
| Discount                            | 5.50                     | 5.50                 | 5.50                 | 2.50                 | funds rates a<br>Sources: Fede<br>Tullett Prebor   | ral Re                               |

| Effective rate | 5.3400    | 5.3400 | 5.3400  | 2.3400 |        |
|----------------|-----------|--------|---------|--------|--------|
| High           | 5.6500    | 5.6500 | 5.6500  | 2.5000 |        |
| Low            | 5.3100    | 5.3100 | 5.3200  | 2.3000 |        |
| Bid            | 5.3300    | 5.3300 | 5.3300  | 2.3300 | Call m |
| Offer          | 5.3600    | 5.3600 | 5.3700  | 2.3500 |        |
| Treasury b     | ill auct  | ion    |         |        | Comn   |
| 4 weeks        | 5.285     | 5.28   | 0 5.840 | 2.660  | 90 day |
| 13 weeks       | 5.315     | 5.31   | 5 5.340 | 3.270  | Secui  |
| 26 weeks       | 5.300     | 5.30   | 0 5.350 | 3.780  | Secui  |
| Se             | econda    | ıry ma | rket    |        |        |
| Fannie Ma      | e         |        |         |        |        |
| 30-year mort   | tgage yie | lds    |         |        | DTCC   |

Week —52-WEEK-ago High Lov

| reasury             | bill auctio    | on                       |         | Commerc                          | ial paper      | (AA fin          | ancial | )             |  |  |  |
|---------------------|----------------|--------------------------|---------|----------------------------------|----------------|------------------|--------|---------------|--|--|--|
| weeks               | 5.285          | 5.280 5.84               | 0 2.660 | 90 days                          | 5.52           | n.a.             | 5.54   | 3.41          |  |  |  |
| 3 weeks<br>26 weeks | 5.315<br>5.300 | 5.315 5.34<br>5.300 5.35 |         | Secured Overnight Financing Rate |                |                  |        |               |  |  |  |
|                     |                |                          | 0 3.700 |                                  | 5.31           | 5.30             | 5.31   | 2.25          |  |  |  |
| annie M             |                | ry market                |         |                                  | Latest         | Value<br>Traded  |        | Veek –<br>Low |  |  |  |
| 0-year mo           | rtgage yield   | ds                       |         | DTCC GCI                         | F Repo In      | dex              |        |               |  |  |  |
| 0 days<br>0 days    | 6.714<br>6.725 | 6.746 6.88<br>6.758 6.98 |         | Treasury<br>MBS                  | 5.352<br>5.400 | 27.266<br>62.100 |        |               |  |  |  |
| lotes on da         | ta:            |                          |         |                                  |                |                  |        |               |  |  |  |

U.S. prime rate is the base rate on corporate loans posted by at least 70% of the 10 largest U.S. banks, and is effective July 27, 2023. Other prime rates aren't directly comparable lending practices vary widely by location. Piscount rate is effective July 27, 2023. Secured Overnight Financing Rate is as of September 19, 2023. DTCC GCF Repo Index is Depository Trust & Clearing Corp.'s weighted waverage for overnight trades in applicable CUSIPs Value traded is in billions of U.S. dollars. Federal-funds rates are Tullett Prebon rates as of 5:30 p.m. ET.

Sources: Federal Reserve; Bureau of Labor Statistics; DTCC; FactSet; Tullett Prebon Information. Ltd.

## Macro & Market Economics

8,410

1,621

4,166

1,245

5,376

98

motor gasoline Kerosene-type jet fuel

Residual fuel oil

Propane/propylene

Distillates

Other oils

## Watching the Gauges: U.S. Supply and Demand

Inventories, imports and demand for the week ended September 15. Current figures are in thousands of barrels or thousands of gallons per day, except natural-gas figures, which are in billions of cubic feet. Natural-

| gas import and d     | emand da |               |                  | ı           | mport         | <b>S,</b> 000s b | oarrels | per da          | y                |             |               |       |
|----------------------|----------|---------------|------------------|-------------|---------------|------------------|---------|-----------------|------------------|-------------|---------------|-------|
|                      | Current  |               | Previous<br>week | Year<br>ago | 4-week<br>avg | 5-year<br>avg    | Current | Expected change | Previous<br>week | Year<br>ago | 4-week<br>avg |       |
| Crude oil and        |          |               |                  |             |               |                  |         |                 |                  |             |               |       |
| petroleum prod       | 1,268,54 | 2             | 1,266            | 1,240       | 1,261         | 1,285            | 8,404   |                 | 9,483            | 8,982       | 8,861         | 8,672 |
| Crude oil            |          |               |                  |             |               |                  |         |                 |                  |             |               |       |
| excluding SPR        | 418,45   | 6 -1,000      | 421              | 431         | 420           | 434              | 6,517   |                 | 7,582            | 6,947       | 6,872         | 6,476 |
| Gasoline             | 219,47   | 6             | 220              | 215         | 218           | 225              | 511     |                 | 899              | 775         | 810           | 760   |
| Finished gasoline    | 16,66    | 8 500         | 15               | 18          | 16            | 22               | 14      |                 | 150              | 81          | 112           | 138   |
| Reformulated         | 1        | 8             | 0                | 0           | 0             | 0                | 0       |                 | 0                | 0           | 0             | 0     |
| Conventional         | 16,65    | 0             | 15               | 18          | 16            | 22               | 14      |                 | 150              | 81          | 112           | 138   |
| Blend. components    | 202,80   | 8             | 205              | 196         | 202           | 203              | 497     |                 | 749              | 694         | 699           | 622   |
| Natural gas (bcf)    | 3,20     | 5             | 3                | 3           | 3             | 3                |         |                 |                  |             |               |       |
| Kerosene-type        |          |               |                  |             |               |                  |         |                 |                  |             |               |       |
| jet fuel             | 42,32    | 6             | 41               | 39          | 42            | 42               | 100     |                 | 41               | 50          | 98            | 152   |
| Distillates          | 119,66   | 6 -200        | 123              | 117         | 120           | 137              | 83      |                 | 185              | 107         | 140           | 149   |
| Heating oil          | 7,75     | 4             | 8                | 8           | 8             | 9                | 0       |                 | 0                | 0           | 0             | 8     |
| Diesel               | 111,91   | 2             | 115              | 109         | 112           | 64               | 83      |                 | 185              | 107         | 140           | 141   |
| Residual fuel oil    | 28,79    | 6             | 27               | 29          | 27            | 29               | 184     |                 | 77               | 176         | 82            | 224   |
| Other oils           | 317,43   | 9             | 313              | 305         | 315           | 310              | 870     |                 | 637              | 854         | 755           | 794   |
| Net crude, petroleui |          |               |                  |             |               |                  |         |                 |                  |             |               |       |
| products, incl. SPR  | 1,619,77 | 2             | 1,616            | 1,667       | 1,611         | 1,883            | -2,290  |                 | 431              | -1,214      | -1,534        | 194   |
| Weel                 | dy Dem   | <b>and,</b> 0 | 00s barr         | els pe      | r day         |                  | Nat     | ural c          | as sto           | orad        | e             |       |
|                      |          | Expected P    | revious          | Year        | 4-week        | 5-year           |         | -               | ic feet; w       | _           |               |       |
|                      | Current  |               | week             | ago         | avg           | avg              | DIIIOII | S OI CUD        | ic reet, w       | геекту      | totais        |       |
| Total petroleum      |          |               |                  | -           |               |                  |         |                 |                  |             |               | 4250  |
| product              | 20,914   | 2             | 0,991 18         | 3,938       | 20,884        | 19,918           |         |                 |                  | Natura      | Laas          | 1270  |
| Finished             |          |               |                  |             |               |                  |         |                 |                  | wer 48      |               | 3250  |

Open High hilo 

 Milk (CME)-200,000 lbs., cents per lb.

 Sept
 18.35
 18.43
 18.28

 Oct
 17.52
 17.57
 17.05

 Cocoa (ICE-US)-10 metric tons; \$ per ton.

 4,187 4,056 17.12 3,62 3,555 3,570 3,575 -72 146,448 -65 82,136 3,559 March'24 3,618 3,622 Coffee (ICE-US)-37,500 lbs 157.65 158.80 161.65 103,106 42,533 March'24 161.25 162.60 Sugar-World (ICE-US)-112,00 27.28 27.60 27.32 27.64 26.66 27.04 26.79 27.15 estic (ICE-US)-112,000 1.50 43.50 ▲ 43.60 43.71 ▲ 43.60 43.50 43.60 rch'24 43.60 43.70 .19 2,612 Cotton (ICE-US)-50,000 lb 85.37 -.69 37 -.66 124,268 86.82 86.86 lice (ICE-US)-15,000 lbs.; cents 340.00 344.10 324.50 327.25 Interest Rate Futures Ultra Treasury Bonds (CBT) - \$100,000; pts 32nds of 100% 18.0 5,342 17.0 1,541,196

**y Notes (CBT)-**\$100,000; pts 32/nds of 100% 109-025 109-070 108-300 **109-060** 11.5 89 109-060 109-170 108-260 **109-070** 3.0 4,697,001 **assury Notes (CBT)-**\$100,000; pts 32/nds of 100% 105-045 **105-125** 105-125 **105-210** 2.5 1,557 .2 5,509,529 **2 Yr. Treasury Notes (CBT)**-\$200,000; pts 32nds of 100% **Sept** 101-107 101-130 101-072 101-100 **Dec** 101-121 101-150 101-065 101-102 -.7 403 -.7 3,731,970 30 Day Federal Funds (CBT)-\$5,000,000;100 - daily av Sept 94.6675 94.6755 94.6675 94.6675 0.01 Oct 94.6650 94.6750 94.6650 94.6750 0.01 Three-Month SOFR (CME)-\$1,000,000;100 - daily avg. 94.6825 94.6850 94.5350 94.5550 94.6825 **94.6825** 13,379 94.5050 **94.5200** -.0100 1,319,561 Dec

|          |                    |               | ntract |                  |           |        | 0pen      |
|----------|--------------------|---------------|--------|------------------|-----------|--------|-----------|
|          | 0pen               | High hi       | 10     | Low              | Settle    | Chg    | interest  |
|          |                    | Curr          | enc    | y Futu           | ires      |        |           |
| lan an a | V ·                |               |        |                  |           |        |           |
|          | se Yen (           |               |        |                  |           |        |           |
| Oct      | .6797              |               |        |                  |           |        | 1,874     |
| Dec      | .6864              | .6878         |        | .6837            |           | 0009   | 262,828   |
|          | an Dollai          |               |        |                  |           |        |           |
| Oct      | .7442              |               |        |                  | .7445     |        |           |
| Dec      | .7445              |               |        | .7429            | .7451     | .0003  | 171,758   |
|          | Pound (d           | :ME)-£62,     | 500;\$ | per £            |           |        |           |
| Oct      |                    | 1.2421        | ₩      |                  | 1.2360    |        |           |
| Dec      |                    | 1.2424        |        | 1.2332           | 1.2362    | 0028   | 186,910   |
| Swiss F  | ranc (cv           |               | 5,000  | ); \$ per Cl     | HF        |        |           |
| Dec      |                    | 1.1299        |        | 1.1218           | 1.1252    | .0016  | 45,857    |
| March'24 |                    |               |        | 1.1337           | 1.1366    | .0016  | 596       |
| Austral  | ian Dolla          | ar (CME)-     | AUD 1  | .00,000;         | \$per AUD |        |           |
| Oct      | .6464              | .6516         |        | .6446            | .6477     | .0014  | 389       |
| Dec      | .6474              | .6531         |        | .6459            | .6491     | .0015  | 220,202   |
| Mexica   | n Peso (           | CME)-MXN      | N 500, | 000;\$p          | er MXN    |        |           |
| Oct      | .05823             | .05849        |        | .05823           | .05850    | .00021 | 1,256     |
| Dec      | .05764             | .05794        |        | .05758           | .05786    | .00020 | 219,432   |
| Euro (CN | <b>VE)-</b> €125.0 | 000: \$ per # | Ε      |                  |           |        |           |
| Oct      | 1.0694             | 1.0749        |        | 1.0662           | 1.0697    | .0008  | 9,712     |
| Dec      | 1.0718             | 1.0778        |        | 1.0690           | 1.0727    | .0008  | 673.868   |
|          |                    | Inc           | lex l  | Future           | 26        |        |           |
|          |                    |               |        |                  |           |        |           |
| Mini DJ  | Industr            | ial Avera     | age (  | <b>CBT)-</b> \$5 | x index   |        |           |
| Dec      | 34815              |               |        | 34718            | 34729     | -88    |           |
| March'24 | 35167              | 35426         |        | 35080            | 35085     | -84    | 169       |
| Mini S&  | P 500 (c           |               |        |                  |           |        |           |
| Dec      | 4491.25            |               |        |                  | 4447.00   | -43.00 | 2.084.486 |

Dec 4497.... 44578.75 4457... 4548.75 4457... 4548.75 4457... 4548.75 4457... 4548.75 4457... 4548.75 4443.25 **4447.00** -43.00 4494.50 **4497.75** -43.50 2568.00 -15.90 2581.90 -14.60 March'24
Mini Nasdaq 100 (CME)-\$20 x index 15127.00 **15152.00** 15327.75 **15352.00** 0 x index 1824.30 **1826.30** March'24 155/8.25 15057.00 Mini Russell 2000 (CME)-\$5 Mini Russen ...
Dec 1846.10 1863.90 1844.90
Mini Russell 1000 (cmtp.>50 x index
Dec 266.80 2470.20 2435.90
U.S. Dollar Index (CE-US) >5,1000 x index
104.79 105.13 ▲ 104.35
104.53 ▲ 104.35 443,898 1846.40 -19.30 104.79 104.40 -.04 -.02 Source: FactSet

Bonds | wsj.com/market-data/bonds/benchmarks

#### Tracking Bond Benchmarks

Return on investment and spreads over Treasurys and/or yields paid to investors compared with 52-week highs and lows for different types of bonds

| Total<br>return<br>close | YTD total<br>return (%) | Index                      | — Yield<br>Latest Lo  |            | Total<br>return<br>close | YTD to  |           | Index   |       | Yield (%<br>it Low |       |
|--------------------------|-------------------------|----------------------------|-----------------------|------------|--------------------------|---------|-----------|---|-------|--------------------|-------|
| Broad M                  | larket Bloombe          | rg Fixed Income Indi       | ces                   |            | Mortgag                  | ge-Back | ed Bloo   | mberg Fixed Income Ir                             | dices |                    |       |
| 1949.85                  | 0.1                     | U.S. Aggregate             | <b>5.230</b> 4.18     | 0 5.230    | 1923.20                  | -0.6    |           | Mortgage-Backed                                   | 5.270 | 4.140              | 5.380 |
| U.S. Corp                | porate Indexes          | Bloomberg Fixed Inc        | ome Indices           |            | 1898.82                  | -0.2    |           | Ginnie Mae (GNMA)                                 | 5.290 | 4.170              | 5.370 |
| 2914.57                  | 1.6                     | U.S. Corporate             | <b>5.860</b> 4.83     | 0 6.130    | 1129.73                  | -0.7    |           | Fannie mae (FNMA)                                 | 5.260 | 4.140              | 5.390 |
| 2837.88                  | 1.9                     | Intermediate               | <b>5.860</b> 4.73     | 0 6.050    | 1741.88                  | -0.1    |           | Freddie Mac (FHLMC)                               | 5.350 | 4.090              | 5.420 |
| 3824.07                  | 0.8                     | Long term                  | <b>5.850</b> 5.01     | 0 6.370    | 560.61                   |         | 0.7       | Muni Master                                       | 3.717 | 2.757              | 3.936 |
| 559.39                   | 0.7                     | Double-A-rated             | <b>5.250</b> 4.32     | 0 5.320    | 399.37                   |         | 0.3       | 7-12 year   | 3.441 | 2.392              | 3.794 |
| 776.91                   | 2.2                     | Triple-B-rated             | <b>6.110</b> 5.08     | 0 6.440    | 448.17                   |         | 1.2       | 12-22 year  | 4.102 | 3.257              | 4.428 |
| High Yie                 | ld Bonds ICE Bo         | ofA                        |                       |            | 420.30                   |         | 2.0       | 22-plus year                                      | 4.674 | 4.020              | 5.131 |
| 495.59                   | 7.0                     | High Yield Constrain       | ed <b>8.645</b> 7.78  | 1 9.623    | Global G                 | overnn  | nent J.P. | Morgan <sup>†</sup>                               |       |                    |       |
| 480.39                   | 14.3                    | Triple-C-rated             | <b>13.540</b> 13.41   | 3 16.916   | 521.16                   | -0.1    |           | Global Government                                 | 3.460 | 2.680              | 3.470 |
| 3321.92                  | 6.7                     | High Yield 100             | <b>8.193</b> 7.02     | 2 8.753    | 757.70                   | -0.8    |           | Canada  | 3.930 | 2.880              | 3.950 |
| 431.54                   | 6.4                     | Global High Yield Constrai | ned <b>8.613</b> 7.86 | 8 9.945    | 336.01                   |         | 0.9       | EMU§  | 3.508 | 2.461              | 3.541 |
| 329.43                   | 6.6                     | Europe High Yield Constrai | ned <b>7.246</b> 6.64 | 6 8.508    | 621.56                   |         | 0.3       | France  | 3.370 | 2.290              | 3.400 |
| U.S Age                  | <b>ncy</b> Bloomberg    | Fixed Income Indices       |                       |            | 443.00                   | -0.1    |           | Germany   | 2.800 | 1.730              | 2.820 |
| 1715.77                  | 1.5                     | U.S Agency                 | <b>5.200</b> 4.13     | 0 5.200    | 277.34                   | -0.2    |           | Japan   | 1.070 | 0.710              | 1.080 |
| 1520.52                  | 1.6                     | 10-20 years                | <b>5.210</b> 4.12     | 0 5.210    | 478.38                   | -0.3    |           | Netherlands                                       | 3.070 | 1.970              | 3.090 |
| 3200.12                  | 0.4                     | 20-plus years              | <b>5.080</b> 4.30     | 0 5.240    | 760.42                   | -2.8    |           | U.K.  | 4.460 | 3.120              | 4.840 |
| 2575.20                  | 1.7                     | Yankee                     | <b>5.680</b> 4.67     | 0 5.840    | 791.97                   |         | 3.1       | Emerging Markets**                                | 8.023 | 7.102              | 9.159 |
| *Constrain               |                         | dividual issuer concentra  | ations to 2%; t       | ne High Yi |                          |         |           | ls † In local curren<br>es; Bloomberg Fixed Incor |       |                    |       |

## **Global Government Bonds: Mapping Yields**

Yields and spreads over or under U.S. Treasurys on benchmark two-year and 10-year government bonds in selected other countries; arrows indicate whether the yield rose(▲) or fell (▼) in the latest session

|            | Country/           |            |     |       | Yield | (%)        |           |          | <ul> <li>Spread Under/Over U.S. Treasurys, in basis points</li> </ul> |        |          |  |
|------------|--------------------|------------|-----|-------|-------|------------|-----------|----------|---|--------|----------|--|
| Coupon (%) | Maturity, in years | Latest( )- | 2 0 | 2 4 6 | 8 1   | 0 Previous | Month ago | Year ago | Latest  | Prev   | Year ago |  |
| 5.000      | <b>U.S.</b> 2      | 5.118 🛦    |     | •     |       | 5.109      | 4.934     | 3.962    |   |        |          |  |
| 3.875      | 10                 | 4.346 ▼    |     | •     |       | 4.366      | 4.251     | 3.571    |   |        |          |  |
| 0.250      | Australia 2        | 3.973 ▲    |     | •     |       | 3.921      | 3.931     | 3.139    | -115.3  | -118.5 | -83.2    |  |
| 3.000      | 10                 | 4.226 ▲    |     | •     |       | 4.180      | 4.243     | 3.645    | -11.6   | -18.4  | 8.1      |  |
| 0.000      | France 2           | 3.494 ▼    |     | •     |       | 3.544      | 3.292     | 1.676    | -163.3  | -156.1 | -229.4   |  |
| 3.000      | 10                 | 3.239 ▼    |     | •     |       | 3.283      | 3.166     | 2.489    | -110.3  | -108.1 | -107.5   |  |
| 3.100      | Germany 2          | 3.263 ▼    |     | •     |       | 3.293      | 3.044     | 1.708    | -186  | -181.2 | -226.2   |  |
| 2.600      | 10                 | 2.705 ▼    |     | •     |       | 2.742      | 2.622     | 1.928    | -163.7  | -162.2 | -163.6   |  |
| 3.600      | Italy 2            | 3.907 ▼    |     | •     |       | 3.942      | 3.766     | 2.716    | -122.0  | -116.3 | -125.5   |  |
| 4.350      | 10                 | 4.459 ▼    |     | •     |       | 4.527      | 4.329     | 4.191    | <b>11.8</b>   | 16.3   | 62.7     |  |
| 0.005      | Japan 2            | 0.021 ▼    | •   |       |       | 0.033      | 0.028     | -0.068   | -510.5  | -507.2 | -403.8   |  |
| 0.400      | 10                 | 0.725 🛦    | •   |       |       | 0.719      | 0.631     | 0.260    | -361.7  | -364.5 | -330.4   |  |
| 0.000      | Spain 2            | 3.618 ▼    |     | •     |       | 3.648      | 3.420     | 1.965    | -150.9  | -145.7 | -200.6   |  |
| 3.550      | 10                 | 3.761 ▼    |     | •     |       | 3.804      | 3.673     | 3.086    | -58.1   | -56.0  | -47.8    |  |
| 0.625      | <b>U.K.</b> 2      | 4.583 ▼    |     | •     |       | 4.725      | 5.189     | 3.291    | -54.4   | -38.0  | -68.0    |  |
| 4.250      | 10                 | 4.215 ▼    |     | •     |       | 4.343      | 4.674     | 3.295    | -12.7   | -2.1   | -26.9    |  |

Source: Tullett Prebon, Tradeweb ICE U.S. Treasury Close

## Corporate Debt

Telecom Italia Capital

Dish DBS

1250

MAMJJA

 $Prices \ of \ firms' \ bonds \ reflect \ factors \ including \ investors' \ economic, sectoral \ and \ company-specific$ 

# Investment-grade spreads that tightened the most...

| Issuer                         | Symbol     | Coupon (%) | Yield (%) | Maturity      | Current | One-day change | Last week |
|--------------------------------|------------|------------|-----------|---------------|---------|----------------|-----------|
| Pfizer                         | PFE        | 4.400      | 5.26      | May 15, '44   | 67      | -275           | 71        |
| UBS                            | UBS        | 5.650      | 5.81      | Sept. 11, '28 | 128     | -156           | 131       |
| Sumitomo Mitsui Financial      | SUMIBK     | 2.142      | 5.85      | Sept. 23, '30 | 149     | -15            | 160       |
| Sumitomo Mitsui Trust          | SUMITR     | 5.650      | 5.62      | Sept. 14, '26 | 86      | -8             | n.a.      |
| Wells Fargo                    | WFC        | 5.850      | 6.09      | Feb. 1, '37   | 178     | -8             | 180       |
| Telefonica Emisiones           | TELEFO     | 5.213      | 6.70      | March 8, '47  | 228     | -7             | 235       |
| Caterpillar Financial Services |            | 0.800      | 5.31      | Nov. 13, '25  | 25      | -6             | 17        |
| CF Industries                  | CF         | 5.150      | 5.87      | March 15, '34 | 156     | -6             | n.a.      |
| And spreads that wid           | ened the n | nost       |           |               |         |                | ,         |
| Oracle                         | ORCL       | 5.800      | 5.53      | Nov. 10, '25  | 45      | 20             | 48        |
| New York Life Global Funding   | NYLIFE     | 5.450      | 5.54      | Sept. 18, '26 | 71      | 9              | 73        |
| John Deere Capital             |            | 4.950      | 5.17      | July 14, '28  | 65      | 6              | 67        |
| UnitedHealth                   | UNH        | 5.800      | 5.39      | March 15, '36 | 104     | 6              | 108       |
| Pricoa Global Funding I        |            | 5.550      | 5.45      | Aug. 28, '26  | 71      | 5              | n.a.      |
| United Airlines                | UAL        | 5.875      | 5.95      | April 15, '29 | 89      | 5              | 101       |
| CF Industries                  | CF         | 4.500      | 5.87      | Dec. 1, '26   | 113     | 4              | 112       |
| Travelers                      | TRV        | 6.375      | 5.26      | March 15, '33 | 95      | 4              | 95        |

## High-yield issues with the biggest price increases...

TITIM

Note: Data are for the most active issue of bonds with maturities of two years or more

| ingii yicia issaes mini n        |            | . p. 100   | . cases   | •••           | D 10:   | 0/ 66                               |           |
|----------------------------------|------------|------------|-----------|---------------|---------|-------------------------------------|-----------|
| Issuer                           | Symbol     | Coupon (%) | Yield (%) | Maturity      | Current | ce as % of face v<br>One-day change | Last week |
| Lumen Technologies               | LUMN       | 7.600      | 23.67     | Sept. 15, '39 | 34.005  | 2.51                                | n.a.      |
| Transocean                       | RIG        | 7.500      | 9.47      | April 15, '31 | 89.500  | 0.48                                | 88.670    |
| Occidental Petroleum             | OXY        | 6.450      | 6.35      | Sept. 15, '36 | 100.847 | 0.40                                | 100.850   |
| Venture Global Calcasieu Pass    | VENTGL     | 4.125      | 6.94      | Aug. 15, '31  | 83.088  | 0.28                                | 84.000    |
| OneMain Finance                  | OMF        | 7.125      | 7.92      | March 15, '26 | 98.250  | 0.25                                | 98.175    |
| Prime Security Services Borrower | PRSESE     | 5.750      | 6.94      | April 15, '26 | 97.250  | 0.25                                | 97.700    |
| Advance Auto Parts               | AAP        | 5.900      | 7.02      | March 9, '26  | 97.496  | 0.25                                | n.a.      |
| Seagate HDD Cayman               |            | 4.750      | 6.38      | Jan. 1, '25   | 98.023  | 0.19                                | n.a.      |
| And with the biggest p           | rice decre | ases       |           |               |         |                                     |           |
| APA                              | APA        | 7.750      | 6.98      | Dec. 15, '29  | 103.827 | -0.42                               | n.a.      |
| Howmet Aerospace                 | HWM        | 5.900      | 6.32      | Feb. 1, '27   | 98.750  | -0.25                               | 99.375    |
| Liughas Catallita Custama        |            | ( (25      | 12.02     | Aug 1 /2/     | 07.250  | _0.25                               | 07 2/17   |

Teva Pharmaceutical Finance Netherlands ... 4.100 7.27 Oct. 1, '46 65.660 250 Bausch Health 11.000 Sept. 30, '28 -0.06 70.938 \*Estimated spread over 2-year, 3-year, 5-year, 10-year or 30-year hot-run Treasury; 100 basis points=one percentage pt.; change in spread shown is for Z-spread.

6.000

5 875

7.89

11.35

Sept. 30, '34

Nov. 15, '24

 $Note: Expected \ changes \ are \ provided \ by \ Dow \ Jones \ Newswires' \ survey \ of \ analysts. \ Previous \ and \ average \ inventory \ data \ are \ in \ millions \ data \ are \ data \$ Sources: FactSet; Dow Jones Market Data; U.S. Energy Information Administration; Dow Jones Newswires

8,307

3,578

166

502

6,646

8,322

1,242

3,409

178

852

4,935

8,777 8,998

1,709

3,828 3,929

140 429

844

5,588

S 0 N D

2023

2022

84.560

94.250

-0.24

-0.13

86.250

94.250

TTC 79.85 -0.55

RoyalCaribbean **RCL** 96.21 -2.11 RoyalGold **RGLD** 115.46 1.42

RoyaltyPharma RPRX 27.45 0.03

SBA Comm

# **BIGGEST 1,000 STOCKS**

How to Read the Stock Tables

| quotations                  | stations that include primary market trades four quarters.  |                       |                                   |                       |                                  |  |     | Coca-Cola KO                                  | 58.44           | 0.26          | EnphaseEnergy                  | ENPH 1      | 23.97 | 1.88         |
|-----------------------------|---|-----------------------|-----------------------------------|-----------------------|----------------------------------|--|-----|---|-----------------|---------------|--------------------------------|-------------|-------|--------------|
| as well as                  | well as trades reported by Nasdaq BX prmerly Boston), Chicago Stock Exchange, h-Does not meet continued listing |                       |                                   |                       |                                  |  |     | Coca-ColaEuro CCEP                            |                 |               | Entegris                       | ENTG 9      | 90.72 | -1.23        |
| Cboe, NYS                   |   |                       |                                   |                       |                                  | inued listing                                    |     |   | 43.21           |               |                                | ETR 9       |       |              |
| The list co                 |   |                       |                                   | standa<br>If-Late     |                                  |  |     | CognizantTech CTSH                            | 69.51           | -0.58         | 1 EnterpriseProd               |             |       |              |
|                             |   |                       | capitalization.                   |                       |                                  | n from Nasdaq                                    | Ш   | CoinbaseGlbl COIN                             |                 |               |                                | EFX 1       |       |              |
|                             |   |                       | those stocks with                 | require               | nents.                           |  |     | ColgatePalm CL                                | 73.76           |               |                                | EQIX 7      |       | 1.47         |
|                             |   |                       | npared with the                   |                       | bankruptcy                       |  |     | Comcast A CMCSA                               |                 |               |                                | EQNR :      |       | -0.05        |
| issue's ave                 |   |                       |                                   |                       | g halted on pr                   |  |     |   | 12.33           |               |                                |             | 67.64 | 1.19         |
|                             |   |                       | ght those issues                  |                       | nkruptcy or red<br>organized und |  |     | EngGr-Cmg CIG                                 | 2.67            |               |                                |             |       | 0.36         |
|                             |   |                       | or more if their                  |                       | tcy Code, or s                   |  |     | EngGr-Cmg C CIG.C<br>ConagraBrands CAG        |                 |               | EquityResdntl  ErieIndemnity   |             |       | -1.00        |
| previous cl                 |   |                       |                                   |                       | by such com                      |  |     |   | 30.95           |               | EssentialUtil                  |             |       | -0.26        |
| -                           |   |                       |                                   |                       | -                                | _  |     | ConocoPhillips COP                            |                 |               |                                | ESS 2       |       | 1.79         |
| Wall St                     | root lourn:   | al stock              | tables reflect comp               | ncita ran             | ar trading as o                  | f 4 n m and                                      |     | ConEd ED                                      | 91.50           |               | EsteeLauder                    |             |       |              |
|                             |   |                       | closing prices fron               |                       |                                  |  |     | ConstBrands A STZ                             |                 |               |                                | ETSY (      |       | -1.05        |
|                             |   |                       |                                   | •                     |                                  |  | ۱ ا | ConstellationEner CEG                         |                 |               |                                |             | 91.99 | 3.36         |
| Wednesday                   | Sent. 20  | 2023                  | I                                 |                       | et                               | N  | let |   | 336.62          |               | Evergy                         | EVRG 5      | 54.35 | 0.14         |
| ···cancoaa,                 | , ocpu 20,  | Net                   | Stock Sym                         | Close C               | g Stock                          | Sym Close C                                      | hg  |   | 44.02           |               | EversourceEner                 | ES /        | 63.96 | 0.17         |
| Stock                       | Sym Clos  | e Chg                 | AresMamt ARES                     | 106.26 1              | 2 Rrown-Forman                   | ABF.A 64.86 0.                                   | .13 | CorebridgeFin CRBG                            |                 |               | ExactSciences                  |             |       |              |
|                             |   |                       |                                   | 514.01-10             |                                  |  | .32 |   | 31.62           |               |                                | EXEL 2      |       |              |
| Α                           | ВС  |                       | AristaNetworks ANET               |                       |                                  | BRKR 64.16 -1.                                   |     |   | 51.77           |               |                                | EXC 4       |       | -0.24        |
| AECOM                       | ACM 83.5  | 57 -0 04              | ! Arm ARM                         | 52.91 -2              |                                  | st BLDR 127.16 -2.                               | .85 |   | 15.19           |               | Expedia<br>ExpeditorsIntl      | EXPE 1      |       | -0.29        |
| AES                         | AES 16.3  |                       |                                   | 127.90 0              |                                  | BG 112.59 -0.                                    | .28 |   | 81.13           |               | Expeditorsinti<br>ExtraSpaceSt |             |       |              |
| Aflac                       |   | 15 -0.22              | AspenTech AZPN                    |                       |                                  | rs BURL 142.71 -0.                               | .46 |   | 563.83          | -0.52         | Extraspacest                   |             |       |              |
| AGCO                        | AGCO 119.   |                       |                                   | 141.70 0              | · Crici iiici                    |  | .15 | CoterraEnergy CTRA                            |                 |               |                                | FFIV 1      |       |              |
| Ansys                       | ANSS 310.   | 21 0.96               | AstraZeneca AZN                   |                       |                                  | p CBRE 78.09 -0.                                 |     |   | 11.98           |               |                                | FMC 2       |       |              |
| APA                         | APA 41.2  | 28 -0.89              |                                   | 200.82 -4             |                                  | nt <b>CCCS</b> 11.78 -0.                         |     |   | 17.63<br>135.00 |               |                                | FDS 4       |       |              |
| ASE Tech                    | ASX 7.5   | 57 -0.08              | AtmosEnergy ATO                   |                       |                                  |  | .33 | Credicorp BAP<br>CrowdStrike CRWD             |                 |               |                                | FICO 9      |       |              |
| ASML                        | ASML 589.   | 88 -3.89              |                                   | 207.73 -4<br>95.85 0  |                                  |  |     | CrownCastle CCI                               | 96.74           |               |                                | FAST 5      |       |              |
| AT&T                        | T 15.5  |                       |                                   | 243.87 -1             |                                  | GIB 102.58 -0.                                   |     | CrownHoldings CCK                             |                 |               | FederalRealty                  |             |       | 1.21         |
| AbbottLabs                  |   |                       | AutoNation AN                     |                       |                                  | on CHRW 87.58 -0.<br>CME 205.91 -0.              |     | CubeSmart CUBE                                |                 |               |                                | FDX 2       |       |              |
| AbbVie                      | ABBV 153.   |                       |                                   | 2583,36108            |                                  |  | .03 |   | 232.80          |               |                                | FERG 1      |       | -1.58        |
| Accenture                   | ACN 316.  |                       |                                   | 182.68 1              |                                  |  | .03 | Curtiss-Wright CW                             |                 |               |                                | RACE 3      |       |              |
| ActivisionBl                |   |                       |                                   | 34.13 -0              |                                  |  | .43 | CyberArkSoftware CYBR                         |                 |               | FidNatlFinl                    |             |       |              |
| Adobe                       | ADBE 535.   |                       |                                   | 22.04 0               |                                  | CRH 54.99 1.                                     |     |   |                 |               | FidNatlInfo                    |             | 58.14 |              |
| AdvDrainageSy               |   |                       | AveryDennison AVY                 | 183.67 1              |                                  |  | .40 | DE  | F               |               | FifthThirdBncp                 |             |       |              |
| AdvMicroDevice<br>Aegon     |   | 34 -1.27<br>06 -0.01  | AvisBudget CAR                    | 190.80 -2             |                                  | CVS 71.41 -0.                                    |     | DTE Energy DTE                                | 106.68          | 0.30          | FirstCitizBcshA                |             |       |              |
| AerCap                      | AER 63.0  |                       | AxonEnterprise AXON               | 203.35 -0             |                                  | n CDNS 234.20 -2                                 |     |   | 254.46          |               | FirstIndRlty<br>FirstSolar     | FSLR 1      | 50.96 | 0.06         |
| AffirmHldgs                 |   |                       |                                   | 40.55 -0              |                                  | CAE 24.37 0.                                     | .18 |   | 149.46          |               | FirstEnergy                    |             |       | -0.24        |
| AgilentTech                 |   | 47 0.16               | BHP Group BHP                     |                       |                                  | CZR 50.17 0.                                     | .36 | DarlingIngred DAR                             |                 |               | FirstService                   |             |       | 0.03         |
| agilon healt                |   |                       | DILL DILL                         | 103.67 -0             | 14 CamdenProper                  | ty CPT 102.20 0.                                 | .23 |   | 92.05           |               |                                |             | 19.69 |              |
| AgnicoEagleMine             |   |                       | BJ'sWholesale <b>BJ</b>           | 73.65 2               |                                  | CCJ 39.50 0.                                     | .36 |   | 103.33          |               |                                | FIVE 1      | 54.76 | -2.30        |
| AirProducts                 |   |                       | BP BP                             | 38.62 -0<br>74.94 -0  |                                  | up <b>CPB</b> 42.68 0.                           | .36 | DeckersOutdoor DECK                           | 523.68          | -7.80         | i FleetCorTech                 |             |       | 0.86         |
| Airbnb                      | <b>ABNB</b> 138.  | 01 -3.84              |                                   | 74.94 -U<br>131.18 -1 | CIBC                             | CM 40.96 0.                                      |     | Deere <b>DE</b>                               | 402.33          | 3.64          | Flex                           | FLEX 2      | 25.80 |              |
| i AkamaiTech                | AKAM108.  | 49 1.87               | BakerHughes BKR                   |                       | Canntikiw                        | y CNI 113.26 -0.                                 |     | DellTechC <b>DELL</b>                         | 68.94           | -0.96         | Floor&Decor                    | FND 9       | 93.69 | 0.89         |
| Albemarle                   | ALB 174.  | 44 -5.55              |                                   | . 51.96 1             | Cariadiani vacio                 | cs CNQ 62.83 -1.                                 |     |   | 38.88           |               | FomentoEconMex                 | FMX 1       | 09.61 | -0.65        |
| Albertsons                  |   |                       | BancoBilbaoViz BBVA               |                       | ConPackC                         | CP 78.44 0.                                      | .09 | DentsplySirona XRAY                           |                 |               | FordMotor                      |             | 12.36 |              |
| Alcon                       | ALC 80.3  |                       | BancoBradesco BBD0                |                       | CapitalOffe                      | COF 100.56 -1.                                   |     | DeutscheBank <b>DB</b>                        | 10.70           |               |                                | FTNT (      |       | -0.29        |
| AlexandriaRIE               |   |                       | BancodeChile BCH                  |                       | CardinalHeal                     | th CAH 89.37 1.                                  |     | DevonEnergy <b>DVN</b>                        |                 |               |                                |             | 41.05 | 0.16         |
| Alibaba                     | BABA 85.3   |                       | BancSanBrasil BSBR                | 5.46 0                | Carlisle                         | CSL 266.22 -5.                                   |     |   | 92.63           |               |                                | FTV 7       |       |              |
| AlignTech                   | ALGN 309.   | 0.50                  | BcoSantChile BSAC                 | 18.70 -0              | 4 Carlyle<br>CarMax              | CG 31.97 -0.<br>KMX 81.42 -0.                    |     |   | 159.39          |               | FortuneBrands                  |             |       | -0.31        |
| Allegion                    | ALLE 104.   |                       | BancoSantander SAN                |                       |                                  | CCL 14.65 -0.                                    |     | DiamondbkEner FANG                            | 152.89          |               |                                | FOXA :      |       |              |
| AlliantEnerg                |   |                       | BanColombia CIB                   | 28.10 -0              | 1 Carnival                       | CUK 13.23 -0.                                    |     | Dick's <b>DKS</b><br>DigitalRealty <b>DLR</b> |                 |               | Franco-Nevada                  |             |       | 0.54         |
| Allstate<br>AllyFinancia    | ALL 114.  |                       | BankofAmerica BAC                 |                       | CarriorGlob                      | al CARR 53.83 -0.                                |     |   | 88.66           |               | FranklinRscs                   |             | 25.91 | -0.32        |
| † AlnylamPharr              |   |                       | BankMontreal BMO                  |                       | Carvana                          | CVNA 43.71 -3.                                   |     |   | 82.56           |               | FreeportMcM                    |             |       | -0.13        |
| Alphabet A                  |   |                       | BankNY Mellon BK                  | 43.70 -0              | CacoucGonStor                    | es CASY 281.36 1.                                |     |   | 43.42           |               | FreseniusMed                   |             |       | 0.26         |
| Alphabet C                  |   |                       | BankNovaScotia BNS                |                       | Catalant                         | CTLT 48.25 0.                                    |     |   | 81.84           |               |                                | YMM         |       |              |
| Altria                      |   | 04 -0.02              | Barclays BCS<br>BarrickGold GOLD  | 7.82 -0<br>16.42 0    | Catornillar                      | CAT 278.61 -1.                                   | .06 | 1 DollarGeneral DG                            | 115.66          | 0.56          |                                | FUTU 5      |       |              |
| Amazon.cor                  | n <b>AMZN</b> 135.  | 29 -2.34              | Bath&BodyWks BBWI                 |                       |                                  | CE 127.99 -0.                                    | .31 |   | 111.30          |               |                                |             |       |              |
| Ambev                       | ABEV 2.3  |                       | BaxterIntl BAX                    |                       |                                  | g CELH 181.41-16.                                | .48 | DominionEner <b>D</b>                         | 47.97           | 0.12          | G                              | HI          |       |              |
| Amcor                       | AMCR 9.2  | 26 0.07               | BectonDicknsn BDX                 |                       |                                  | CX 7.12  |     |   | 384.84          |               | GE HealthCare                  | GEHC        | 65.01 | -1.11        |
| Amdocs                      | DOX 86.5  |                       |                                   | 192.84-16             | 2 Cencora                        |  | .04 |   | 60.71           |               | GFLEnvironmental               |             |       |              |
| Ameren                      | AEE 80.4  |                       | BentleySystems BSY                |                       | CenovusEner                      | gy CVE 20.15 -0.                                 |     |   | 78.95           |               |                                | GSK         |       | 0.59         |
| AmericaMov                  |   |                       | Berkley WRB                       | 65.65 0               |                                  | CNC 68.08 0.                                     |     |   | 143.50          |               | GXO Logistics                  |             |       | -0.26        |
| AmerAirline                 |   |                       | BerkHathwy B BRK.B                |                       | 0                                | er CNP 28.82 -0.                                 | .16 |   | 52.46           |               |                                | AJG 2       |       | -0.59        |
| AEP<br>AmerExpres           | AEP 80.4  |                       | BerkHathwy A BRK.A                |                       |                                  | as <b>EBR</b> 7.41 0.<br>M <b>CDAY</b> 68.28 -2. |     | DrReddy'sLab RDY<br>DraftKings DKNG           | 30.08           |               | Gaming&Leisure                 |             |       | 0.39         |
| AmerExpres<br>AmericanFi    |   |                       | BerryGlobal BERY                  |                       | Chamaian                         | CHX 36.49 -0.                                    |     |   | 26.68           |               | Garmin                         | GRMN 1      |       | 0.35         |
| American+i<br>AmHomes4Rer   |   |                       | BestBuy BBY<br>Bio-Techne TECH    | 70.75 -0              | CharlanDirani a                  | bs CRL 208.63 0.                                 |     | DukeEnergy <b>DUK</b>                         | 94 37           | 0.17          |                                | IT 3        | 57.22 | 2.52<br>0.15 |
| AIG                         | AIG 62.3  |                       |                                   |                       | Character desired                | es <b>GTLS</b> 168.77 -4.                        |     |   | 156.85          |               |                                |             |       |              |
| AmerTowerREI                |   |                       | Bio-RadLab A BIO                  | 364.42 4<br>260.53 3  | Cl                               | ns CHTR 448.17 -1.                               |     | DuPont <b>DD</b>                              | 74.00           |               | General<br>General<br>Dynamics | GNRC 1      | 25.55 | 0.30<br>2.70 |
| AmerWaterWork               |   |                       | Biogen BIIB<br>BioMarinPharm BMRN |                       |                                  | CHKP 137.46 0.                                   |     | Dynatrace DT                                  | 46.25           |               | GeneralDynamics<br>GeneralFlec |             |       | -1.36        |
| AmericoldRealt              |   |                       |                                   | 108.61 -1             | Channel                          |  | .01 | EMCOR EME                                     | 214.96          | -1.49         | ! GeneralMills                 |             |       | -0.01        |
| Ameriprise                  | AMP 344.  | 99 -2.19              |                                   | 683.48 -5             | CheniereEner                     | gy <b>LNG</b> 161.47 -0.                         | .14 | ENI E   | 32.29           | -0.18         | GeneralMotors                  |             |       | -0.76        |
| Ametek                      | AME 151.  |                       | A Blackstone BX                   | 114.22 -0             | O CheniereEnerP                  |  | .04 | EOG Rscs EOG                                  | 125.50          | -3.50         |                                | GMAB :      |       | 0.07         |
| Amgen                       | AMGN 271.   |                       | <sup>1</sup> Block SQ             | 47.57 -2              | 3 ChesapeakeEr                   | er <b>CHK</b> 83.81 -0.                          |     | EPAM Systems EPAM                             | 267.00          | 3.89          |                                |             | 37.10 | 0.13         |
| Amphenol                    |   |                       | BlueOwlCapital OWI                | 12.75                 | 5 Chevron                        | CVX 166.69 -0.                                   |     |   | 40.00           |               | Gentex                         | GNTX 3      |       | -0.02        |
| AnalogDevice                |   |                       | Boeing BA                         | 202.37 -2             |                                  | CHWY 18.41 -1.                                   |     | EastWestBncp EWBC                             |                 |               | GenuineParts                   | GPC 1       | 49.26 | 0.72         |
| AngloGoldAs                 |   |                       |                                   | 3068.91-43            |                                  | CMG 1920.48 -4.                                  |     | EastGroup EGP                                 |                 |               |                                | GGB         |       |              |
| AB InBev                    | BUD 57.3  | 59 -0.09              | BoozAllen BAH                     |                       |                                  | CB 213.76 -0.<br>el CHT 36.69 0.                 | .51 | EastmanChem EMN                               |                 |               | GileadSciences                 |             |       |              |
| AnnalyCap<br>AnteroResource | NLY 20.5  | 0.15 - 36<br>36 -0 04 | BorgWarner BWA                    |                       |                                  | el <b>CHT</b> 36.69 0.<br>ht <b>CHD</b> 95.11 0. | 27  | Eaton ETN<br>eBay EBAY                        | 43.69           | -1.51<br>70.0 | GitLab                         |             |       |              |
| Anteroxesource              | AON 3/12  | 70 -0.70<br>N2 N 4E   | BostonProps BXP BostonSci BSX     | DD.50 (               |                                  | ns <b>CHDN</b> 119.07 -0.                        |     |   |                 |               |                                |             |       |              |
| i ApolloGlbMgn              | t APO 92 (  | 0.36                  | BristolMyers BMY                  | 58.78 0               | 5 Ciena                          |  |     | Ecopetrol EC                                  |                 |               |                                |             |       |              |
|                             | AAPL 175.   |                       |                                   |                       |                                  | CI 287.33 2.                                     | .69 | EdisonIntl EIX                                | 69.75           | -0.44         | Globalit                       |             |       |              |
| ApplMateria                 |   |                       |                                   |                       |                                  | nl CINF 109.52 0.                                |     |   | 71.95           | -1.07         | GlobusMedical                  | GMED 5      | 52.86 | -0.35        |
| Applovin                    |   |                       | Broadcom AVG0                     |                       |                                  | CTAS 514.53 -0.                                  |     | Elastic ESTC                                  |                 |               | GoDaddy                        | GDDY        | 74.49 | -0.51        |
| Aptargroup                  | ATR 124.  | 63 -0.68              | BroadridgeFinl BR                 |                       | 7 CiscoSysten                    | ns <b>CSCO</b> 55.50 -0.                         | .34 | ElbitSystems ESLT                             |                 |               | GoldFields                     | GFI         | 12.48 | 0.26         |
| Aptiv                       | APTV 101.   | 85 -0.72              | BrookfieldAsset BAM               | 35.42 -0              | 7 Citigroup                      | C 42.30 -0.                                      | .38 | ElectronicArts EA                             | 120.45          | -0.55         | GoldmanSachs                   | <b>GS</b> 3 | 36.70 | -5.19        |
|                             | ADMIN 27 /  | 34 0.42               |                                   | 34.92 -0              | 2 CitizensFin                    | CFG 27.52 0.                                     |     |   |                 |               |                                |             |       |              |
|                             |   |                       |                                   |                       |                                  |  |     |   |                 |               |                                |             |       | 0.24         |
| ArcelorMitta                | al MT 25.3  |                       |                                   |                       |                                  | CIVI 79.78 -1.                                   |     |   |                 |               |                                | GGG         |       |              |
| ArcelorMitta<br>ArchCapital | ACGL 81.3   | 32 0.12               | BrookfieldRenew BEPC              | 27.69 0               | 4 CleanHarbo                     | rs <b>CLH</b> 169.26 -0.                         | .13 | Enbridge ENB                                  | 34.95           |               | Grainger                       | GWW 6       | 84.99 | -6.07        |
| ArcelorMitta<br>ArchCapital | ACGL 81.3   | 32 0.12               |                                   | 27.69 0               | 4 CleanHarbo                     | rs <b>CLH</b> 169.26 -0.                         | .13 |   | 34.95           |               | Grainger                       | GWW 6       | 84.99 | -6.07        |

|                  | _   |             |                          |                |  |           |                  | 1              |
|------------------|---|-------------|--------------------------|----------------|--|-----------|------------------|----------------|
|                  | Stock   | Sym         | Close                    | Net<br>Chg     | Stock  Endeavor  I Energy/Transfer  Enthers/En | Sym       | Close            | Net<br>Chg     |
|                  | Clorox  | CLX         | 136.46                   | -1.98          | Endeavor   | EDR       | 22.37            | 0.01           |
|                  | Cloudflare<br>Coca-Cola   | KO          | 58,44                    | 0.26           | EnphaseEnergy  | ENPH      | 13.90            | 1.88           |
|                  | Coca-ColaEuro   | CCEP        | 64.13                    | 1.11           | Entegris   | ENTG      | 90.72            | -1.23          |
|                  | Cognex<br>CognizantTech   | CGNX        | 43.21                    | -0.75<br>-0.58 | Entergy<br>i EnterpriseProd  | ETR       | 98.21<br>27.21   | 0.25           |
|                  | CoinbaseGlbl  | COIN        | 76.67                    | -1.46          | Equifax  | EFX       | 194.35           | -2.15          |
|                  | CongatePalm   | CL          | 73.76                    | 0.54           | Equinix  | EQIX      | 757.71           | 1.47           |
|                  | SABESP  | SBS         | 12.33                    | -0.23          | Equitable  | EQH       | 29.06            | -0.02          |
|                  | EngGr-Cmg   | CIG         | 2.67                     | 0.05           | EquityLife<br>EquityResdat   | ELS       | 67.64            | 1.19           |
|                  | ConagraBrands   | CAG         | 28.92                    | 0.23           | i Erielndemnity  | ERIE      | 292.61           | -1.00          |
|                  | Confluent   | CFLT        | 30.95                    | -0.84          | EssentialUtil  | WTRG      | 37.02            | -0.26<br>1 70  |
|                  | ConocoPhillips<br>ConEd   | ED          | 91.50                    | 0.33           | EsteeLauder  | EL        | 150.84           | -1.17          |
|                  | ConstBrands A   | STZ         | 261.90                   | 1.90           | Etsy   | ETSY      | 64.69            | -1.05          |
| t                | ConstellationEner<br>Cooper   | CEG         | 110.13<br>336.62         | -0.41          | Everest  | EVRG      | 54.35            | 0.14           |
| g                | Copart  | CPRT        | 44.02                    | -0.55          | EversourceEner   | ES        | 63.96            | 0.17           |
| 3                | CorebridgeFin   | CRBG        | 19.12                    | 0.29           | Exact Sciences<br>Exelixis   | EXAS      | 21.51            | 0.09           |
| 2                | Corteva   | CTVA        | 51.77                    | -0.77          | Exelon   | EXC       | 40.83            | -0.24          |
| 5                | Cosan   | CSAN        | 15.19                    | 0.09           | Expedia<br>ExpeditorsIntl  | EXPE      | 114.29           | -0.29<br>-2.53 |
| 8                | Costco  | COST        | 563.83                   | -0.52          | ExtraSpaceSt   | EXR       | 127.54           | -0.15          |
| 5                | CoterraEnergy   | CTRA        | 26.92                    | -0.62          | ExxonMobil<br>F5   | XOM       | 116.40           | -0.93<br>-0.55 |
| 9                | Coupang   | CPNG        | 17.63                    | -0.18          | 1 FMC  | FMC       | 70.98            | -1.52          |
| 3                | Credicorp   | BAP         | 135.00                   | -1.14          | FactSet<br>Fairlsaac   | FDS       | 423.77           | -2.54<br>-6.10 |
| 5                | CrowdStrike<br>CrownCastle  | CRWD        | 163.89<br>96.74          | -1.61<br>-0.23 | Fastenal   | FAST      | 54.28            | -0.52          |
| 2                | CrownHoldings   | ССК         | 90.37                    | 0.66           | FederalRealty<br>FedEv   | FRT       | 97.58            | 1.21           |
| 7                | CubeSmart   | CUBE        | 40.30<br>232.80          | -0.11<br>-1.88 | Ferguson   | FERG      | 152.37           | -1.58          |
| 3                | Curtiss-Wright  | cw          | 203.38                   | -1.88          | Ferrari<br>FidNotlFin  | RACE      | 302.91           | 3.80           |
| 2                | CyberArkSoftware  | CYBR        | 172.94                   | 6.33           | FidNatlInfo  | FIS       | 58.14            | -0.02          |
| 4                | D   | E           | F                        |                | FidNatlInfo<br>FifthThirdBncp<br>FirstCitizBcshA   | FITB      | 26.81            | -0.10          |
| 8                | DTE Energy  | DTE         | 106.68                   | 0.30           | FirstIndRlty   | FR        | 50.96            | 0.06           |
| 6<br>8           | Danaher   | DHR         | 254.46                   | -0.77          | FirstSolar   | FSLR      | 169.24           | 0.06           |
| 6                | Darden  | DAR         | 55.43                    | -0.64          | FirstEnergy<br>FirstService  | FE        | 36.56<br>155.39  | 0.03           |
| 3                | Datadog   | DDOG        | 92.05                    | -0.84          | Fiserv   | FI        | 119.69           | -1.00          |
| 6                | Davita<br>DeckersOutdoor  | DECK        | 523.68                   | -7.80          | I FleetCorTech   | FIVE      | 154./6<br>275.18 | 0.86           |
| 5                | Deere   | DE          | 402.33                   | 3.64           | Flex   | FLEX      | 25.80            |                |
| 2                | DeltaAir  | DAL         | 38.88                    | -0.57          | Floor&Decor<br>FomentoFconMex  | FND       | 93.69            | -0.65          |
| 9                | DentsplySirona  | XRAY        | 35.19                    | -0.10          | Fifth ThirdBup First Child School First Child School First Solar First School First First School First First School First  | F         | 12.36            | -0.20          |
| 5<br>1           | DeutscheBank<br>DevonEnergy   | DB<br>DVN   | 10.70                    | -0.03          | Fortinet<br>Fortis   | FTNT      | 41.05            | -0.29<br>0.16  |
| 9                | DexCom  | DXCM        | 92.63                    | -1.53          | Fortive  | FTV       | 75.05            | -0.62          |
| 0                | Diageo<br>Diamondh/Enor   | DEO         | 159.39                   | 0.57           | FortuneBrands  | FBIN      | 64.19            | -0.31          |
| 4                | Dick's  | DKS         | 111.88                   | -0.74          | FoxB   | FOX       | 28.73            | -0.68          |
| 2                | DigitalRealty   | DLR         | 128.07                   | 1.08           | Franco-Nevada  | FNV       | 143.72           | 0.54           |
| 9                | Disney  | DIS         | 82.56                    | 0.62           | FreeportMcM  | FCX       | 38.69            | -0.32          |
| 5                | DocuSign  | DOCU        | 43.42                    | -0.27          | FreseniusMed   | FMS       | 23.09            | 0.26           |
| 6                | DolbyLab<br>DollarGeneral   | DCB         | 115.66                   | 0.56           | Futu   | FUTU      | 59.48            | 0.60           |
| 1                | DollarTree  | DLTR        | 111.30                   | -0.09          | G  | Н         | 1                |                |
| 8                | DominionEner<br>Domino's  | DPZ         | 47.97<br>384.84<br>60.71 | 2.01           | GE HoolthCare  |           |                  | .1 11          |
| 4                | Donaldson   | DCI         | 60.71                    | -0.03          | GE HealthCare<br>GFLEnvironmental  | GFL       | 33.38            | -0.21<br>0.59  |
| 4                | DoorDash<br>Dover   | DASH        | 78.95<br>143.50          | -0.24<br>-0.25 | GSK<br>CVO Lassistica  |           |                  |                |
| 6                | Dow   | DOW         | 52.46                    | -0.44          | GXO Logistics<br>i Gallagher   | AJG       | 235.19           | -0.20          |
| 5                | Donaldson DoorDash Dover Dow DrReddy'sLab DraftKings Dropbox DukeEnergy Duolingo DuPont Dynatrace EMCOR | RDY         | 68.20<br>30.08           | -0.43<br>-0.01 | i Gallagher<br>Gaming&Leisure<br>Garmin<br>Gartner<br>GenDigital   | GLPI      | 48.49            | 0.39           |
| 1                | Dropbox   | DBX         | 26.68                    | 0.17           | Gartner  | IT        | 357.22           | 2.52           |
| 0                | DukeEnergy<br>Duolingo  | DUK         | 94.37                    | 0.53<br>-5.50  | GenDigital   | GEN       | 19.15            | 0.15           |
| 2                | DuPont  | DD          | 74.00                    | -0.47          | General<br>General<br>Dynamics   |           | 110.22<br>225.55 |                |
| 5                | Dynatrace   | DT          | 46.25                    | -1.15          | GeneralDynamics<br>GeneralElec   | GE        | 114.85           | -1.36          |
| 4                | ENI   | E           | 32.29                    | -0.18          | GeneralMills GeneralMotors   | GIS       | 65.87<br>33.20   | -0.01<br>-0.76 |
| 4                | EOG Rscs  | EOG         | 125.50                   | -3.50          | Genmab   | GMAB      | 37.43            | 0.07           |
| 6<br>1<br>4<br>9 | EPAM Systems<br>EQT   | EPAM<br>EQT | 40.00                    | -0.99          | Genpact  | G<br>GNTY | 37.10            | 0.13           |
| 4                | EastWestBncp  | EWBC        | 53.54                    | -0.43          | GenuineParts   | GPC       | 149.26           | 0.72           |
| 9                | EastGroup<br>EastmanChem  | EGP<br>EMN  | 1/5.75<br>78.42          | -0.61<br>-0.29 | Gerdau<br>GileadScioncoo   | GGB       | 5.10             | 0.07           |
| 1                | Eaton   | ETN         | 214.65                   | -1.51          | Generallynamisc<br>Generallect<br>GeneralMills<br>GeneralMotors<br>Genmab<br>Genpact<br>Gentex<br>GenuineParts<br>Gerdau<br>GileadSciences<br>GitLab<br>GlobalPayments<br>GlobalFoundries<br>GlobalT<br>GlobuSMedical<br>GoDaddy<br>GoldFieldS   | GTLB      | 47.42            | -0.30          |
| 7                | eBay<br>Fcolah  | EBAY        | 43.69<br>177 52          | 0.07           | GlobalPayments   | GPN       | 122.69<br>57.2F  | -0.25          |
| 9                | i Ecopetrol   | EC          | 12.90                    | 0.23           | Globant  | GLOB      | 204.14           | 0.76           |
| 9                | EdisonIntl<br>EdwardsLife   | EIX         | 69.75                    | -0.44<br>-1.07 | GlobeLife  | GL        | 110.89           | -0.35          |
| 1                | Elastic   | ESTC        | 76.39                    | -0.66          | GoDaddy  | GDDY      | 74.49            | -0.55<br>-0.51 |
| 4                | ElbitSystems<br>ElectronicArts  | ESLT        | 202.09                   | -0.06          | Goldman  | GFI       | 12.48            | 0.26           |
| 6                |   |             |                          |                |  | GRAB      | 3.46             | -0.03          |

| hg           | Stock                      | Sym         | Close                            | Chg    |     | Stock                              | Sym   | Close           | Chg   | ı. |
|--------------|----------------------------|-------------|----------------------------------|--------|-----|------------------------------------|-------|-----------------|-------|----|
| .01          | Grifols                    | GRFS        | 9.65                             | -0.10  | Į   | .ibertyBroadbandA                  | LBRDA | 92.52           | 0.25  | ı  |
| .08          | GpoAeroportuar             | PAC         | 180.35                           | -0.53  | Į   | .ibertyBroadbandC                  | LBRDK | 93.09           | 0.47  | ı  |
| .88          | GpoAeroportSur             | ASR         | 256.58                           | 0.89   | Į   | .ibertyGlobal C                    | LBTYK | 19.88           | -0.29 | ı  |
| .23          | Guidewire                  | <b>GWRE</b> | 91.25                            |        | L   | .ibertyGlobal A                    |       |                 |       | ı  |
| 1.25         | HCA Healthcare             |             |                                  |        | Į   | ibertyFormOne A<br>ibertyFormOne C | FWONA | 59.21           | -1.01 | ı  |
| 1.22         | HDFC Bank                  | HDB         | 59.16                            | -3.78  | L   | .ibertyFormOne C                   | FWONK | 66.11           | -1.21 | ŀ  |
| .15          | HF Sinclair                | DINO        | 58.52<br>27.06<br>39.11          | -0.56  | L   | LibertySirius C                    |       |                 | 0.02  | ı  |
| .47          | HP                         | HPQ         | 27.06                            | -0.51  | L   | LibertySirius A                    |       |                 | 0.05  | ı  |
| 1.05         | HSBC                       | HSBC        | 39.11                            | -0.34  | L   | _ight&Wonder                       | LNW   | 76.28           |       | ı  |
| 1.02         | H World                    |             | 39.44                            |        |     |                                    |       | 569.64          |       | ı  |
| .19          | Haleon<br>Halliburton      | HLN         | 8.31                             |        |     | LincolnElectric                    |       |                 |       | ı  |
| .00          | HartfordFinl               |             | 41.29<br>73.95                   | 0.18   |     |                                    |       | 378.82          | 0.96  | ı  |
| 1.26         | Hashro                     | HAS         | 66.66                            | 0.18   |     | LithiaMotors<br>LiveNationEnt      |       | 81.50           |       | ı  |
| 79           | HealthpeakProp             |             |                                  |        |     | JoydsBanking                       |       | 2.14            | 0.06  | ı  |
| .17          | Heico                      | UEI         | 145.74                           | - n E0 | 1   | and the end the state              | IMT   |                 | 1.64  | ľ  |
| .05          | Heico A                    | HEI.A       | 132.19                           | -0.06  | l i | news                               | L     | 64.97           |       | ı  |
| .05          | HenrySchein                | HSIC        | 74.47                            | 0.61   | 1   | LogitechIntl                       |       |                 |       | ı  |
| .14          | Hershey                    | HSY         | 211.33                           | 2.26   |     |                                    |       | 214.91          |       | ı  |
| 1.17         | Hess                       | HES         | 156.28                           | -2.76  |     |                                    | LCID  | 5.45            | -0.05 | ı  |
| .68          | HessMidstream              |             |                                  |        |     |                                    |       | 391.88          | 7.43  | ı  |
| 0.09         | HewlettPackard             |             |                                  |        | l   | _yondellBasell                     | LYB   | 97.03           | -0.88 | ı  |
| 1.24         | Hilton                     | HLT         | 152.74                           | 0.59   | _   |                                    |       |                 |       | ı  |
| 1.29         | Hologic                    | HOLX        | 71.45                            | -0.57  | L   | M                                  | N     |                 |       | ı  |
| .53          | HomeDepot                  | HD          | 310.86                           | -3.75  | ,   | M&T Bank                           | MTR   | 126.62          | 0.22  | ı  |
| 1.15         | HondaMotor                 | HMC         | 36.13                            | -0.54  |     | VIGM Resorts                       |       |                 |       | ı  |
| 1.93<br>1.55 | Honeywell<br>HorizonTherap |             | 194.44                           | 0.09   |     | VinisoGroup                        |       |                 |       | ı  |
| .52          |                            |             | 38.79                            | 0.09   | 1   | MPLX                               | MPLX  | 35.08           | 0.13  | ı  |
| .54          | HormelFoods<br>DR Horton   |             |                                  |        | 1   | MSCI                               | MSCI  | 535.04          | -3.01 | ı  |
| .10          | HostHotels                 |             |                                  | -0.12  | 11  | MagellanMid                        | MMP   | 69.06           | 0.34  | ı  |
| 1.52         | HoulihanLokey              |             | 108.17                           |        |     | MagnaIntl                          | MGA   | 55.39           | -1.01 | ı  |
| .21          | HowmetAerospace            | HWM         | 46.54                            | -0.58  |     | ManhattanAssoc                     |       |                 |       | ı  |
| 1.53         | Hubbell                    |             | 310.49                           |        |     | ManulifeFinl                       | MFC   | 19.42           | -0.18 | ı  |
| .58          | HubSpot                    |             | 505.02                           |        | ۱,  |                                    | CART  |                 |       | ı  |
| .80          | Humana                     | HUM         | 484.77                           | 10.97  | 1   | MarathonOil                        | MRO   |                 | -0.60 | ı  |
| .82          | JBHunt                     | JBHT        | 193.68                           | 1.23   |     | MarathonPetrol                     |       |                 | 0.52  | ı  |
| 0.09         | HuntingtonBcshs            | HBAN        | 10.50                            | -0.07  |     |                                    |       | 1542.14         |       | ı  |
| 1.10         | HuntingIngalls             |             | 205.58                           |        |     | MarketAxess                        |       |                 |       | ı  |
| .51          | HyattHotels                |             | 105.86                           | 0.30   | . ! | Marriott                           | MAR   | 199.86          | 1.32  | ı  |
| 0.06         |                            | IBN         | 23.53                            | -0.30  | 11  | Marsh&McLen                        | MMC   | 197.47          | -0.68 | ı  |
| 0.06         | ICL Group                  | ICL         | 5.72<br>455.35<br>13.88<br>15.05 | -0.06  | ١,  | MartinMarietta<br>MarvellTech      | MLM   | 420.91          | 1.82  | ı  |
| 1.24         | IdexxLab                   | IDXX        | 455.35                           | -2.03  | ١,  |                                    |       | 54.57           |       | ı  |
| 0.03         | ING Groep                  | ING         | 13.88                            | 0.01   | l,  | Mastercard                         |       |                 |       | ı  |
| .00          | Invesco                    |             |                                  |        |     | MatadorRscs                        | MTDD  | E0 02           | -2.01 | ı  |
| 1.86         | IQVIA<br>ITT               | IQV<br>ITT  | 205.42                           |        |     | MatchGroup                         |       |                 |       | ı  |
| .00          | IcahnEnterprises           |             | 20.37                            | -1.11  |     |                                    |       | 21.40           | 0.01  | ı  |
| 1.89         | Icon                       |             | 261.78                           |        | i   | VCCormickVtg                       | MKCV  | 78.79           | -1.69 | ı  |
| 1.65         | IDFX                       | IEX         |                                  | -0.97  |     | McCormick                          |       |                 |       | ı  |
| .20          | IllinoisToolWks            |             |                                  |        |     | McDonald's                         |       |                 |       | ı  |
| 1.29         | Illumina                   | ILMN        | 138.35                           | -2.18  | 11  |                                    |       | 439.86          | 7.79  | ı  |
| 1.16         | ImperialOil                | IMO         | 58.11                            | -0.39  | 1   | Medpace                            |       | 254.70          |       | ı  |
| 1.62         | Incyte                     | INCY        | 60.37                            | -0.23  |     |                                    |       | 81.48           |       | ı  |
| 1.31         |                            |             | 21.15                            |        |     | MercadoLibre                       |       |                 |       | ı  |
| 1.94         | Infosys                    |             | 17.89                            |        |     |                                    |       | 107.31          | -0.05 | ı  |
| 1.68         | IngersollRand              | IR          | 65.02                            | -1.21  |     |                                    | AIU   | 1.00            |       | ı  |
| 1.54         | ! Insulet                  |             | 164.74                           |        |     | MetaPlatforms                      |       |                 | -5.40 | ı  |
| 1.32         | Intel                      | INTC        |                                  |        |     | MetLife<br>Mettler-Toledo          |       | 66.09           |       | ı  |
| 1.26         | InteractiveBrkrs<br>ICF    | IEKR        | 90.67                            | 1.09   |     | viettier- i oledo<br>VicrochipTech |       |                 |       | ľ  |
| 1.18         | InterContinent             |             | 115.35<br>78.45                  | 0.63   |     | MicronTech                         |       | 69.68           | -1.00 | ı  |
| 1.60         | IBM                        |             | 149.83                           | 3.31   |     |                                    |       | 320.77          |       | ı  |
|              | IntlFlavors                | IFF         | 70.00                            | 2.15   |     |                                    |       | 136.70          |       | ı  |
|              | IntlPaper                  | IP.         | 33.72                            |        |     |                                    |       | 134.72          |       | ı  |
| .11          | Interpublic                | IPG         | 29.82                            |        |     | MitsubishiUFJ                      |       |                 |       | ı  |
| 1.21         | Intuit                     | INTU        | 523.59                           |        | i   | MizuhoFin                          | MFG   |                 | -0.06 | ı  |
| 1.59         | IntuitiveSurgical          |             |                                  |        | 1   | Mobileye                           | MBLY  | 40.48           | 2.05  | ı  |
| 1.26         | InvitatHomes               |             | 33.96                            | -0.10  | - 1 |                                    |       | 103.53          | -3.21 | ı  |
| 1.59         | 1 IronMountain             | IRM         | 63.45                            | 0.40   | ١   | VolinaHealthcare                   | мон   | 333.51          | 4.07  | ı  |
| 1.39         | ItauUnibanco               | ITUB        | 5.62                             | 0.09   | 1   | MolsonCoorsB                       | TAP   | 64.77           | 0.92  | ı  |
| 1.35         |                            | V           | 1 -                              |        | г   | monday.com                         |       |                 |       | ı  |
| .52          | J                          | K           | L                                |        | 1   | Mondelez                           | MDLZ  | 71.64           | 0.13  | ı  |
| 1.15         | JD.com                     | JD          | 30.35                            | -0.29  |     |                                    |       | 351.66          |       | ı  |
| .30          | JPMorganChase              | JPM         | 148.30                           | -0.63  | 1   | MonolithicPower                    | MPWR  | 452.86          | -4.92 | ı  |
| .70          | Jabil                      | JBL         | 107.33                           | 0.23   | 1   | MonsterBev                         |       |                 |       | ı  |
| 36           | JackHenry                  |             | 152.88                           | 0.19   | 1   |                                    |       | 335.85          |       | ı  |
| .01          | JacobsSolns                | J           | 133.17                           | 0.86   |     | MorganStanley                      |       | 87.14           |       | ı  |
| 1.76         | JamesHardie                | JHX         | 27.35                            |        |     | Morningstar<br><b>Mosaic</b>       |       |                 | -1.// | ŀ  |
| 1.07         | JazzPharm                  | JAZZ        | 133.73                           | 1.88   |     | Mosaic<br>MotorolaSol              |       | 37.05           | -0.06 | l  |
| 1.13         | JefferiesFinl              | JEF         | 37.93                            | -0.30  |     | VIOtorolaSol<br>MurnhvΩil          |       | 285.74<br>44.33 | -0.06 | ľ  |

ulifeFinl MFC 19.42 PalantirTech PLTR 14.74 -0.41 PaloAltoNtwks PANW 235.30 -0.87 ParamountA PARAA 16.43 -0.50 ParamountB PARA 13.24 -0.36 olebear CART 30.10 -3.60 nMarietta MLM 420.91 -1.82 Inimanetta MLM 420.91 -1.82
rvellTech MRVL 52.94 -1.15
sco MAS 54.57 -0.89
stercard MA 410.52 -3.01
stadorRscs MTDR 58.03 -2.27
stchGroup MTCH 41.58 -0.84 Penumbra PepsiCo PerformanceFor Ormicky MKC 78.56 -0.16
Cornick MKC 78.56 -0.16
Conald's MCD 277.20 -0.93
Kesson MCK 439.86 7.79
dpace MEDP 254.70 -1.03
dtronic MDT 81.48 -1.15
cadoLibre MELI 1376.34-16.30 cadoLipre MELI 13:63,43-16.30
rck MRK 107.31 -0.05
taData AIU 1.00 ...
aPlatforms META 299.67 -5.40
ttler-Toledo MTD 1131.11 -0.88
rochipTech MCHP 76.72 -1.06
ronTech MU 0,688 -1.03
resoft MET 320.77 -7.88 Morningstar MORN 251.33 -1.77

Mosaic MOS 37.05 -2.31

MotorolaSol MSI 285.74 -0.06

MurphyOil MUR 44.33 -0.91

MurphyUSA MUSA 341.47 3.81 NICE NIO NNN REIT NOV NRG Energy

Nutanix Nutrien

O P Q OGE Energy **OGE** 35.63 0.03

 Okta
 OKTA
 83.53

 OldDomFreight
 OPL
 407.88

 OldRepublic
 ORI
 27.53

 OmegaHealttrare
 OHI
 33.55

 Omnicom
 OMC
 74.85

 OnHolding
 ONON
 29.70

 OpenText
 OTEX
 36.89

NTNX 33.75 0.16 NTR 62.93 0.06

NICE 175.87 - 1.92 | RELX NIO 8.82 0.27 R1 RC NNN 38.16 -0.03 RPM NOV 20.58 0.17 RTX NRG 38.89 -0.30 Ralph RELX
R1 RCM
RPM
RTX
RalphLauren
RangeResources NRG Energy NRG 38.89 - 0.30 NVR NVR 61213-59.74 NXP 598-11 - 90.74 NXP 598-12 - 90.75 - 0.36 NAG 9.57 - 0.36 NAG 9.64 NA NewsCorp A NWS 19,67 - 0,28
NewSCorp B NWS 20,40 - 0,24
NextEraEneryy NEE 67,35 - 0,24
Nike NKE 94,04 - 0,58
NiSource N 27,59 - 0,04
Nobia NG 36 - 0,04
Nomina NME 43,7 - 0,09
Nordson NSD 227,8 - 2,06
NorfdiSouthen NSC 205,29 3,38
NorthernTust NTRS 69,87 - 0,58
Northogicum NoC 440,18 - 4,11
NorwegGruise NCLH 17,17 - 0,17
Novartis NWS 103,5 0,35
Northern Sys 103,5 0,35
Northern Northogicum NoC 440,18 - 4,11
NorwegGruise NCLH 17,17 - 0,17
Novartis NWS 103,5 0,35
Northogicum Northogicum NoC 14,11
NorwegGruise NCLH 17,17 - 0,17
Novartis NWS 103,5 0,35
Northogicum North Roblox RBLX
RocketCos. RKT
Rockwell ROK
RogersComm B RCI
RoivantSciences ROIV
Roku ROKU Rollins ROL 38.68 0.47 1 RoperTech ROP 504.15 1.39 RossStores ROST 114.95 -1.35 RoyalBkCanada RY 91.13 0.08

SEI investments SEIC 61.27 - 0.16
SK Telecom SKM 21.21 - 0.02
SS&C Tech SSNC 54.72 - 0.60
STAG Indl STAG 36.20 - 0.08
Saia SAIA 391.20 - 2.64
Salesfore CRM 213.03 - 2.67 TDG 854.35-16.24 TRU 76.70 -1.00 TRV 168.94 1.75 TREX 64.56 -0.92 TRMB 52.27 -0.04 Trinet
Trip.com
TruistFinl
Twilio
TylerTech
TysonFoods
UBS Group IOT 25.22 -1.93 UDR U-Haul U-Haul N US Foods UWM STX 65.63 0.76 SGEN 206.99 -1.32 SRE 73.33 -0.19 SCI 60.93 0.62 NOW 570.55 -1.78 ShinhanFin SHG 28.38 0.11 ShockwaveMe Shopify UnitedMicro UMC 6.97 -0.14 UPS B UPS 157.64 -0.37 UnitedRentals URI 448.03 -3.02 US Bancorp USB 34.41 -0.18 US Steel X 31.42 -0.24 Smith&Nepher Smucker Snap Snap-On Snowflake SOQUIMICH **SQM** 58.80 -1.17 SOFI 8.32 -0.30 h SEDG 139.20 0.74 SONY 84.85 -1.69 SO 71.20 0.29 SCCO 77.88 -0.62 VFC VICI Prop VICI 30.66 0.09 VailResorts WTN 252-48 0.22 Valero Energy VLD 142.97 0.31 VeevaSystems VEEV 209.49 -0.02 SoFiTech VeriSign VeriskAnaly Verizon VertexPhi Vertiv VinFastAuto VFS 17.19 -0.61 SteelDynamics STLD 100.25 0.96 Stellantis STLA 19.67 0.33 VOD 10.07 0.04 al **VOYA** 69.03 0.30 s **VMC** 209.55 -0.33 VoyaFinanci VulcanMatl Stryker SYK 288.97 -4.74
SumitomoMits SMF6 10.20 -0.08
SunComms SUI 126.15 2.03
SunLifeFinancial SLF 50.37 -0.05
SuperMicroComp SMCI 243.07 -4.66

# Suzano SUZ 11.20 0.41 SynchronyFin| SYF 32.16 -0.21 Synopsys SNPS 453.28 -6.74 Sysco SYY 70.59 0.08 WMT 163.91 0.53 TC Energy TRP 37.21 -0.01 TD Synnex SMX 102.66 -0.76 TE Connectivity TEL 125.44 -1.52 Telus TU 1.70 -0.05 Temium TX 39.69 -0.07 TFI Intl TFI 131.11 -0.12 TJM 104.73 -0.76 TKO 104.73 -0.77 T-MobileUS TMUS 142.07 -0.40 TPC TPG 30.70 -0.37 T-RowePrice TROW 108.68 -1.92 TAWAN SEMT SM 27.9 -0.88 WSU 356.57 0.72 W 63.62 ... HWFRD 92.52 -2.16 WBS 40.58 0.08 WFC 42.87 -0.35 WELL 85.26 1.52 WCC 150.55 -1.84 Wayfair Weatherfordlr WebsterFir WellsFargo Welltower TakedaPharm TAK 16.29 -0.01 Tapestry TPR 30.01 -0.22 TargaResources TRGP 85.43 0.28 Target TGT 120.41 0.24 TechnipFMC FTI 20.39 -0.02 Wipro 43.87 -0.92 TS 31.86 -0.30 TME 6.12 -0.10

ruments **TXN** 162.10 -1.04 acLand **TPL** 1869.23 33.63 adhouse **TXRH** 99.69 -0.31 an **TXT** 79.37 3.73 Fisher **TMO** 504.89 -3.85

s TRI 128.29 -0.02 MMM 98.99 -1.24

MMM 98.99 -1.24 TOST 19.12 -1.21

52-Wk % Sym Hi/Lo Chg Stock

Sources: FactSet; Dow Jones Market Data

52-Wk % Sym Hi/Lo Chg

# NovoNordisk **NVO** 94.73 1.21 NuHoldings **NU** 7.01 -0.20 Nucor **NUE** 155.39 -2.80 **Dividend Changes** Amount Symbol Yld% New/Old Frq

Permian Basin Royalty Tr

Netflix

JuniperNetworks JNPR 28.22 - 0.26
KB Financial KB 42.71 0.35
KBR KBR 60.84 -0.01
KKR 63.63 0.20
KLA KLAC 452.18 5.13
Kellogg K 60.75 0.46
Kenvue KVUE 20.89 -0.17

KeyCorp

Increased DatChat Lizhi ADR Rubicon Technologies Argan JPMorgan Chase Keurig Dr Pepper Oct31 /Oct23 JPM 2.7 1.05/1.00 **Q**KDP 2.5 .215/.20 **Q**MSFT 0.8 .75/.68 **Q** /Sep27 Foreign Microsoft Dec14/Nov16 Dec01/Nov17 Oct16/Sep29 PermRock Royalty Trust PRT 10.8 .0406/.0402 M Oct16/Sep29 Fortis Granite REIT SJT 27.3 .0538/.02069 **M** SLVM 2.7 .30/.25 **Q** San Juan Basin Royalty Oct16/Sep29 Nov03/Oct20 Oct30/Sep29 TIM ADR .12439 Reduced Oct17 /Oct03

52-Wk % Sym Hi/Lo Chg Stock

CART Sept. 19/\$30.00

**RYZB** Sept. 15/\$18.00

Instacart (Maplebear) 30.10

Exchange-Traded Portfolios | wsJ.com/ETFresearch

Largest 100 exchange-traded funds, latest session

Wednesday, September 20, 2023

Closing Chg YTD Symbol Price (%) (%)

|                    |         | Closino | (Cha  | YTD  |                    | <b>-</b> |        | (,0)  | (,0) |                                    |
|--------------------|---------|---------|-------|------|--------------------|----------|--------|-------|------|------------------------------------|
| ETF                | Symbol  |         | (%)   | (%)  | iSh1-5YIGCorpBd    | IGSB     | 49.86  | -0.08 | 0.1  | UtilitiesSelSecto<br>VanadInfoTech |
| CommSvsSPDR        | XLC     | 66.52   | -1.36 | 38.6 | iSh1-3YTreaBd      | SHY      | 80.78  | -0.06 | -0.5 | Vangdinto rech<br>VanadSC Val      |
| CnsmrDiscSelSector | XLY     | 167.09  | -1.00 | 29.4 | iShRussMC          | IWR      | 71.14  | -0.49 | 5.5  | VangdExtMkt                        |
| CnsStapleSelSector | XLP     | 71.44   | 0.10  | -4.2 | iShRuss1000        | IWB      | 242.10 | -0.92 | 15.0 | VangdDivApp                        |
| DimenUSCoreEq2     | DFAC    | 26.75   | -0.74 | 10.2 | iShRuss1000Grw     | IWF      | 272.49 | -1.38 | 27.2 | VangdFTSEAW)                       |
| EnSelSectorSPDR    | XLE     | 90.40   | -0.93 | 3.3  | iShRuss1000Val     | IWD      | 157.20 | -0.38 | 3.7  | VangdFTSEDevi                      |
| FinSelSectorSPDR   | XLF     | 34.49   | -0.69 | 8.0  | iShRussell2000     | IWM      | 179.86 | -1.00 | 3.2  | VangdFTSEEM                        |
| HealthCareSelSect  | XLV     | 131.57  | 0.01  | -3.2 | iShS&P500Grw       | IVW      | 70.12  | -1.13 | 19.9 | VangdFTSE Euro                     |
| IndSelSectorSPDR   | XLI     | 103.84  | -0.39 | 5.7  | iShS&P500Value     | IVE      | 159.52 | -0.70 | 10.0 | VangdF1SE Euro                     |
| InvscNasd100       | QQQM    | 149.99  | -1.44 | 36.9 | iShSelectDiv       | DVY      | 112.93 | -0.26 | -6.4 | VangdGrowth                        |
| InvscQQQI          | QQQ     | 364.54  | -1.44 | 36.9 | iSh7-10YTreaBd     | IEF      | 92.77  | -0.08 | -3.1 |                                    |
| InvscS&P500EW      | RSP     | 145.68  | -0.46 | 3.1  | iShShortTreaBd     | SHV      | 110.31 | 0.02  | 0.4  | VangdHiDiv<br>VangdIntermBd        |
| iShCoreDivGrowth   | DGRO    | 51.34   | -0.45 | 2.7  | iShTIPSBondETF     | TIP      | 104.81 | -0.21 | -1.5 |                                    |
| iShCoreMSCIEAFE    | IEFA    | 66.30   | -0.27 | 7.6  | iSh20+YTreaBd      | TLT      | 93.09  | 0.31  | -6.5 | VangdIntrCorpB                     |
| iShCoreMSCIEM      | IEMG    | 48.57   | -0.35 | 4.0  | iShUSTreasuryBd    | GOVT     | 22.26  | -0.04 | -2.0 | VangdIntermTre                     |
| iShCoreMSCITotInt  | IXUS    | 61.66   | -0.26 | 6.5  | JPMEquityPrem      | JEPI     | 54.98  | -0.34 | 0.9  | VangdLC                            |
| iShCoreS&P500      | IVV     | 442.59  | -0.95 | 15.2 | JPM UltShIncm      | JPST     | 50.12  | -0.02 | -0.0 | VangdMC                            |
| iShCoreS&P MC      | IJH     | 254.64  | -0.59 | 5.3  | PacerUSCashCows100 |          | 50.04  | -0.73 | 8.2  | VangdMC Val                        |
| iShCoreS&P SC      | IJR     | 96.02   | -0.81 | 1.5  | ProShUltPrQQQ      | TQQQ     |        | -4.34 |      | VangdMBS                           |
| iShCoreS&PTotUS    | ITOT    | 96.99   | -0.92 | 14.4 | SPDRBbg1-3MTB      | BIL      | 91.67  | 0.01  | 0.2  | VangdRealEst                       |
| iShCoreTotalUSDBd  | IUSB    | 44.26   | -0.07 |      | SPDR DJIA Tr       | DIA      | 344.32 | -0.22 | 3.9  | VangdS&P500E                       |
| iShCoreUSAggBd     | AGG     | 95.30   | -0.05 | -1.7 | SPDR Gold          | GLD      | 179.35 | 0.07  | 5.7  | VangdST Bond                       |
| iShEdgeMSCIMinUS/  |         | 75.05   | 0.05  | 4.1  | SPDRPtfDevxUS      | SPDW     | 32.02  | -0.34 | 7.8  | VangdSTCpBd                        |
| iShEdgeMSCIUSAQua  | al QUAL | 134.97  | -0.96 | 18.4 | SPDRS&P500Value    | SPYV     | 42.55  | -0.77 | 9.4  | VangdShortTrea                     |
| iShGoldTr          | IAU     | 36.61   | 0.08  | 5.8  | SPDRPtfS&P500      | SPLG     | 51.58  | -0.92 | 14.7 | VangdSC                            |
| iShiBoxx\$HYCpBd   | HYG     | 74.40   | -0.08 | 1.0  | SPDRS&P500Growth   |          | 60.57  | -1.08 | 19.5 | VangdTaxExemp                      |
| iShiBoxx\$IGCpBd   |         | 104.26  | 0.04  |      | SPDR S&P 500       | SPY      | 438.64 | -0.92 | 14.7 | VangdTotalBd                       |
| iShMBS             | MBB     | 90.36   | -0.11 |      | SchwabIntEquity    | SCHF     | 35.06  | -0.31 | 8.8  | VangdTotIntlBd                     |
| iShMSCIACWI        | ACWI    | 94.89   | -0.65 |      | SchwabUS BrdMkt    | SCHB     | 51.04  | -0.97 | 13.9 | VangdTotIntlStk                    |
| iShMSCI EAFE       | EFA     | 71.02   | -0.24 | 8.2  | SchwabUS Div       | SCHD     | 72.48  | -0.41 | -4.1 | VangdTotalStk                      |
| iSh MSCI EM        | EEM     | 38.69   | -0.41 | 2.1  | SchwabUS LC        | SCHX     |        | -0.95 | 14.9 | VangdTotWrldS                      |
| iShMSCIEAFEValue   | EFV     | 50.39   | -0.28 | 9.8  | SchwabUS LC Grw    | SCHG     | 74.13  | -1.51 | 33.4 | VangdValue                         |
| iShNatlMuniBd      | MUB     | 104.56  | -0.07 | -0.9 | SPDR S&PMdCpTr     | MDY      | 464.18 | -0.57 | 4.8  | WisdTrFRTrea                       |

| ٠ | UtilitiesSelSector | XLU  | 64.08  | 0.09  | -9.1 |
|---|--------------------|------|--------|-------|------|
|   | VangdInfoTech      | VGT  | 421.02 | -1.47 | 31.8 |
|   | VangdSC Val        | VBR  | 163.04 | -0.48 | 2.7  |
|   | VangdExtMkt        | VXF  | 145.75 | -0.85 | 9.7  |
|   | VangdDivApp        | VIG  | 160.39 | -0.51 | 5.6  |
| ; | VangdFTSEAWxUS     | VEU  | 53.30  | -0.37 | 6.3  |
| , | VangdFTSEDevMk     | VEA  | 45.10  | -0.33 | 7.5  |
|   | VangdFTSE EM       | vwo  | 39.83  | -0.30 | 2.2  |
|   | VangdFTSE Europe   | VGK  | 59.66  | 0.18  | 7.6  |
|   | VangdGrowth        | VUG  | 278.83 | -1.52 | 30.8 |
|   | VangdHlthCr        | VHT  | 240.98 | -0.09 | -2.9 |
|   | VangdHiDiv         | VYM  | 106.34 | -0.37 | -1.7 |
|   | VangdIntermBd      | BIV  | 73.05  | -0.11 | -1.7 |
|   | VangdIntrCorpBd    | VCIT | 76.98  | -0.06 | -0.7 |
|   | VangdIntermTrea    | VGIT | 57.35  | -0.10 | -1.9 |
|   | VangdLC            | vv   | 201.56 | -0.98 | 15.7 |
|   | VangdMC            | VO   | 214.17 | -0.41 | 5.1  |
|   | VangdMC Val        | VOE  | 135.88 | -0.28 | 0.5  |
|   | VangdMBS           | VMBS | 44.55  | -0.07 | -2.1 |
|   | VangdRealEst       | VNQ  | 80.78  | 0.09  | -2.1 |
| , | VangdS&P500ETF     | V00  | 404.55 | -0.94 | 15.1 |
|   | VangdST Bond       | BSV  | 75.09  | -0.09 | -0.3 |
|   | VangdSTCpBd        | VCSH | 75.20  | -0.08 | 0.0  |
| ı | VangdShortTrea     | VGSH | 57.48  | -0.07 | -0.6 |
| , | VangdSC            | VB   | 192.97 | -0.73 | 5.1  |
| : | VangdTaxExemptBd   | VTEB | 49.02  | -0.08 | -0.9 |
|   | VangdTotalBd       | BND  | 70.62  | -0.13 | -1.7 |
|   | VangdTotIntlBd     | BNDX | 48.18  | 0.15  | 1.6  |
| , | VangdTotIntlStk    | VXUS | 54.97  | -0.31 | 6.3  |
| . | VangdTotalStk      | VTI  | 218.54 | -0.88 | 14.3 |
|   | VangdTotWrldStk    | VT   | 95.60  | -0.69 | 10.9 |

VTV 142.85 USFR 50.47

-0.25 0.02

Closing Chg YTD Symbol Price (%) (%)

**SDY** 119.28 **-0.18** -4.7 **XLK** 166.60 **-1.57** 33.9

ETF SPDR S&P Div

Closing Chg YTD Symbol Price (%) (%)

| New     | Highs and Lows   |    |
|---------|--|----|
| and Nas | ving explanations apply to the New York Stock Exchange, NYSE Arca, NYSE Americ<br>ag Stock Market stocks that hit a new 52-week intraday high or low in the latest<br>6 <b>CHG</b> -Dally percentage change from the previous trading session. | an |
|         | Wednesday, September 20, 2023  |    |
| Stock   | 52-Wk %<br><u>Sym Hi/Lo Chg</u> Stock <u>Sym Hi/Lo Chg</u> Stock <u>Sym Hi/l</u>   |    |

|                  |         |        |       | Wednesday, Se     | ptemb        | er 20. 2 | 023  |                               |         |     |
|------------------|---------|--------|-------|-------------------|--------------|----------|------|-------------------------------|---------|-----|
|                  | -       | 2-Wk   | %     | I                 |              | 2-Wk     | %    | I                             |         | 2-V |
| Stock            |         | Hi/Lo  |       | Stock             |              | Hi/Lo    |      | Stock                         | Sym     |     |
| Jeock            | Jyiii   | 111/20 | ciig  |                   |              |          | _    | Stock                         | Jyiii   | ,   |
| LIS              | iaba    |        |       | IronMountain      | IRM          | 64.48    | 0.6  | 1.4                           | ows     |     |
| п                | ighs    | •      |       | IsraelAcqnsWt     | ISRLW        | 0.35     | 4.5  | L                             | DAA2    |     |
| AGNC InvPfdC     | AGNCN   | 25.98  | 0.6   | Joyy              | YY           | 40.30    |      | ACELYRIN                      | SLRN    |     |
| AGNC InvtPfdE    | AGNCO   | 24.00  | -0.3  | KKR               | KKR          | 64.77    |      | ARS Pharm                     | SPRY    |     |
| AGNC InvtPfdF    | AGNCP   | 22.34  | 0.6   | KhoslaVentures    | KVSA<br>KNSL | 10.94    |      | AdaptHealth                   | AHCO    |     |
| AkamaiTech       | AKAM    | 109.05 | 1.8   | KinsaleCapital    |              | 428.68   |      | Addentax                      | ATXG    |     |
| AlkamiTech       | ALKT    | 18.42  | 5.2   | Klaviyo           | KVYO         | 39.47    |      | AddexTherap                   | ADXN    |     |
| AllegoWt         | ALLG.WS |        |       | LifewayFoods      | LWAY         | 12.96    | 1.0  | AdialPharm                    | ADIL    |     |
| AltoIngred       | ALTO    | 4.54   | 0.3   | Loews             | L            | 65.39    |      | AdicetBio                     | ACET    |     |
| AnzuSpecial I Wt | ANZUW   | 0.10   | 14.4  | MagellanMid       | MMP          | 69.45    |      | AerovateTherap                | AVTE    | 1   |
| AnzuSpecial I    | ANZUU   | 12.30  | 16.9  | Markel            | MKL          | 1558.42  |      | AevaTech                      | AEVA    |     |
| AnzuSpeciall A   | ANZU    | 10.56  | -0.2  | Marsh&McLen       | MMC          | 199.20   |      | AgileTherap                   | AGRX    |     |
| ApolloGlbPfdA    | APOpA   | 56.59  | 0.6   | MatrixService     | MTRX         | 9.81     | 3.4  | Agiliti                       | AGTI    | _   |
| ApolloGlbNts53   | APOS    | 26.37  | 0.9   | McKesson          | MCK          | 444.80   | 1.8  | AgreeRealty                   | ADC     | 5   |
| ApolloGlbMgmt    | APO     | 93.18  |       | MurphyUSA         | MUSA         | 342.99   |      | Airgain                       | AIRG    |     |
| AppliedTherap    | APLT    | 2.83   | 5.5   | NextGenHlthcr     | NXGN         | 23.73    |      | Allakos                       | ALLK    |     |
| AresAcqnA        | AAC     | 10.74  | 0.1   | NorthernRevivalUn |              |          |      | AllarityTherap                | ALLR    |     |
| AresMgmt         | ARES    | 107.37 | 1.5   | NuSTAREnergy      | NS           | 18.41    | 0.2  | AlnylamPharm                  | ALNY    | 17  |
| Argan            | AGX     | 46.80  | 0.6   | OmegaHealthcare   |              | 34.14    |      | Alpine4                       | ALPP    |     |
| Blackstone       | BX      | 116.78 | -0.8  | OptexSystems      | OPXS         | 4.18     |      | Amarin                        | AREB    |     |
| BoneBiologWt     | BBLGW   |        | 128.6 | OrchardTherap     | ORTX         | 7.25     | 4.2  | AmericanRebel<br>AmerVanguard | AVD     | 1   |
| BostonSci        | BSX     | 55.38  |       | OrionGroup        | ORN          | 5.40     |      | AmesNational                  | ATLO    | 1   |
| CF Acqn VIII A   | CFFE    | 20.35  |       | PlainsAllAmPipe   | PAA          | 15.68    |      | AmylyxPharm                   | AMLX    | 1   |
| Celanese         | CE      | 131.05 |       | PlainsGP          | PAGP         | 16.40    |      | ApollomicsA                   | APLM    | _   |
| CheckPoint       | CHKP    | 138.60 |       | ProfireEnergy     | PFIE         | 3.29     |      | AppliedUV                     | AUVI    |     |
| Cimpress         | CMPR    | 73.01  |       | RELX              | RELX         | 35.14    | 0.9  | AppliedUVPfdA                 | AUVIP   |     |
| CompassDigitalW1 |         |        | 49.7  | ReataPharm        | RETA         | 172.21   | 0.1  | AptevoTherap                  | APVO    |     |
| ConcretePumping  |         | 8.78   |       | RoperTech         | ROP          | 508.90   |      | ArcutisBiotherap              |         |     |
| CrixusBH3        | BHACU   |        |       | RyderSystem       | R            | 104.62   | 0.7  | ArdaghMetalPkg                | AMBP    |     |
| CyberArkSoftware |         | 174.94 |       | SDCLEDGEAcqn      | SEDA         | 11.43    |      | AresAcanll Wt                 | AACT.WS |     |
| DigitalTransform |         | 32.89  |       | SafetyShot        | SHOT         |          | 10.1 | Arm                           | ARM     | 5   |
| DigitalTransWt   | DTOCW   |        |       | SilverBoxIIIUn    | SBXC.U       |          | 0.4  | Arrival                       | ARVL    |     |
| Ecopetrol        | EC      | 13.08  |       | SkywardSpecIns    | SKWD         | 27.88    |      | AshfordHospPfdH               | AHTpH   | 1   |
| EnergyTransfer   | ET      | 14.09  |       | SpokHoldings      | SPOK         | 15.97    |      | AshfordHospPfdD               | AHTpD   | 1   |
| EnterpriseProd   | EPD     | 27.35  |       | Steelcase         | SCS          | 11.38    |      | Ashford                       | AINC    |     |
| ErieIndemnity    | ERIE    | 296.02 |       | Suzano            | SUZ          | 11.27    | 3.8  | AssetEntities                 | ASST    |     |
| Flanigans        | BDL     | 34.00  |       | Talkspace         | TALK         | 2.13     |      | Atreca                        | BCEL    |     |
| FleetCorTech     | FLT     | 278.35 |       | Textron           | TXT          | 80.60    |      | AultAlliance                  | AULT    |     |
| Fluor            | FLR     | 38.87  |       | Thermon           | THR          | 29.17    | 3.8  | AvenueTherap                  | ATXI    |     |
| Gallagher        | AJG     | 237.64 |       | TotalEnergies     | TTE          | 67.19    |      | AvidBioservices               | CDMO    |     |
| GladstoneNts2028 |         | 25.15  |       | TriNet            | TNET         | 118.63   | 0.6  | Axogen                        | AXGN    |     |
| GooseheadIns     | GSHD    | 79.40  |       | VahannaTechl      | VHNAU        |          |      | BTC Digital                   | METX    |     |
| GrafAcqnIV       | GFOR.U  |        |       | VahannaTechl A    | VHNA         | 17.00    |      | Baozun                        | BZUN    |     |
| HNI              | HNI     | 34.35  |       | VistaOutdoor      | VSTO         | 32.08    |      | BaudaxBio                     | BXRX    |     |
| HalladorEnergy   | HNRG    | 12.69  |       | WW Intl           | ww           | 12.38    |      | BayFirstFinancial             |         | 1   |
| HuronConsulting  |         | 106.20 |       | WaldencastWt      | WALDW        |          |      | BetterTherap                  | BTTX    |     |
| InflectionPtIIA  | IPXX    | 10.23  |       | Welltower         | WELL         | 86.72    |      | Biolase                       | BIOL    |     |
| InterPrivateII A | IPVF    | 11.92  | -0.7  | WesternDigital    | WDC          | 46.89    | 5.9  | Biophytis                     | BPTS    |     |
|                  |         |        |       |                   |              |          |      |                               |         |     |

|           |                |               | Stock                            | 5;<br>Sym I   | 2-Wk<br>li/Lo |              | Stock                          |                | 52-Wk<br>Hi/Lo   | %<br>Chg       | Stock                           |            | 52-Wk<br>Hi/Lo |
|-----------|----------------|---------------|----------------------------------|---------------|---------------|--------------|--------------------------------|----------------|------------------|----------------|---------------------------------|------------|----------------|
| ۸         |                |               | BioXcelTherap                    | BTAI          | 3.02          |              | FathomDigital                  | FATH           | 0.30             |                | LexiconPharm                    | LXRX       | 1.14           |
| arne      | erican<br>t    |               | BitcoinDepot                     | BTM           | 2.56          |              | FirsthandTechVal               |                | 0.41             |                | Li-Cycle                        | LICY       | 4.06           |
| ,,,,,     |                |               | BlackSkyTechWt<br>Block          | BKSY.WS<br>SQ | 0.08<br>47.52 |              | FloraGrowth<br>Frontier        | FLGC           | 4.78             | -10.2<br>-3.4  | Lipocine<br>Lizhi               | LPCN       | 3.22           |
|           |                |               | BlueWaterBio                     | BWV           | 0.58          | -4.5         | FulgentGenetics                | FLGT           | 27.86            | -2.3           | LongeveronRt                    | LGVNR      |                |
|           |                |               | BraemarHtlsPfd                   | BHRpB         | 12.54         | -1.1         | FusionFuelGreenW               |                |                  | -24.7          | LuokungTech                     | LKCO       | 0.93           |
| 52        | 2-Wk           | %             | BrilliantEarthA                  | BRLT          | 2.84          |              | GDEV                           | GDEV           | 2.49             |                | LyellImmuno                     | LYEL       | 1.44           |
| n H       | li/Lo          | Chg           | BrookfieldPrpPfA:                |               | 14.00         |              | G1Therapeutics                 | GTHX           | 1.33             | -1.8           | LytusTech                       | LYT        | 0.23           |
|           |                |               | BurningRockBio                   | BNR           | 0.87          | 9.9          | GalmedPharm<br>GeneDy          | GLMD           | 0.60             |                | MaiaBiotech                     | MAIA       | 1.42           |
| S         |                |               | ButterflyNtwk<br>ButterflyNtwkWt |               |               | -50.3        | GeneDx<br>GeneralMills         | GIS            | 3.75<br>64.53    | -3.8           | M3-BrigadellI A<br>Maplebear    | CART       | 9.33           |
| N         | 0.71           | -3.5          | BuzzFeed                         | BZFD          | 0.33          |              | GlorvStarNewMedia              |                |                  | -2.6           | Marchex                         | MCHX       | 1.27           |
| Y         |                | -55.8         | CAVA                             | CAVA          | 31.68         | -4.7         | GoalAcgnsWt                    | PUCK           |                  |                | Matterport                      | MTTR       | 2.18           |
| 0         | 8.84           | -6.5          | CBD Pao                          | CBD           | 0.74          |              | Gogoro                         | GGR            | 2.55             |                | MaxCyte                         | MXCT       | 3.17           |
| G         | 1.46           | 3.4           | CLPS                             | CLPS          | 0.90          |              | GorillaTech                    | GRRR           |                  | -18.3          | MaxeonSolar                     | MAXN       | 12.65          |
| N         | 0.36           | -1.9          | CN Energy                        | CNEY          | 0.11          |              | GorillaTechWt                  | GRRRI<br>GFOR. |                  | -24.3<br>-5.5  | MedicalProp                     | MPW        | 5.79           |
| T         | 2.52           |               | CalAmp<br>CalidiBiotherap        | CLDI          | 2.80          |              | GrafAcqnIV<br>Gritstone        | GRTS           | 9.71<br>1.30     | -5.5<br>-5.8   | MeihualntlMed<br>MetallaRovaltv | MTA        | 3.16           |
| I<br>E    | 1.59<br>12.65  | -5.9<br>-3.1  | CambiumNtwks                     | CMBM          | 7.14          |              | GromSocialEnts                 | GRON           |                  | -5.4           | MineralysTherap                 |            | 10.04          |
| Α         | 0.79           | -4.6          | CarecloudPfdA                    | CCLDP         | 13.57         | 15.4         | Hookipa                        | ноок           |                  |                | MingZhuLogistics                |            | 0.45           |
| X         | 1.79           | -3.2          | CarecloudPfdB                    | CCLDO         | 11.00         |              | HallofFameResort               | t HOFV         | 6.15             |                | MisterCarWash                   | MCW        | 5.78           |
| 1         | 7.00           | -2.2          | Cazoo                            | CZ00          |               | -20.2        | HarpoonTherap                  | HARP           | 4.13             |                | MobileGlbEsports                |            |                |
|           | 58.65          |               | CelldexTherap                    | CLDX          | 26.26         |              | HealthcareRealty               |                | 16.08            |                | Molekule                        | MKUL       | 0.41           |
| 5         | 4.07           | -6.9          | CenturyCasinos<br>ChavantCapWt   | CNTY          | 5.39          |              | HeartbeamWt<br>ICU Medical     | BEAT\          | N 0.09<br>121.13 | 9.0            | Momentus<br>Mondee              | MNTS       | 2.63<br>4.90   |
| K<br>R    | 2.13<br>0.75   |               | CheckpointTherap                 |               | 1.62          |              | IMAC                           | BACK           | 2.13             |                | Monro                           | MNRO       | 28.96          |
| Y         | 174.41         |               | ChefsWarehouse                   |               | 24.03         |              | IM Cannabis                    | IMCC           |                  | -1.8           | Movella                         | MVLA       | 0.56           |
| P         | 0.83           |               | Chewy                            | CHWY          | 18.36         |              | IceCureMedical                 | ICCM           | 0.52             | -36.1          | MovingiMage                     | MITQ       | 0.81           |
| RN        | 0.95           | -3.8          | CitiusPharm                      | CTXR          | 0.69          |              | Ideanomics                     | IDEX           |                  | 12.1           | MustangBio                      | MBIO       | 2.39           |
| В         | 0.74           | -3.6          | ClearSecure                      | YOU           | 19.85         |              | Incannex                       | IXHL           | 1.19             | -4.8           | MyMD Pharm                      | MYMD       | 0.45           |
| _         | 11.89          | -2.4          | Clearfield<br>ComeraLifeSci      | CLFD          | 29.83         |              | Inogen<br>Inotiv               | INGN           | 5.11<br>3.05     |                | Nautilus<br>NearIntelligence    | NLS<br>NIR | 0.73           |
| 0<br>.X   | 17.50<br>18.49 | -1.2<br>-1.7  | CompassMinerals                  |               | 27.46         |              | InovioPharm                    | INO            | 0.38             |                | NearIntelligenceWi              |            |                |
| M         | 3.60           | -6.5          | Courtside                        | PODC          | 2.03          | 2            | Inspirato                      | ISPO           | 0.62             |                | NeptuneWellness                 |            | 3.85           |
| 1         | 0.35           | -6.1          | CrownElectrokin                  | CRKN          | 0.71          | -4.4         | Insulet                        | PODD           | 164.54           | -1.6           | NeumoraTherap                   | NMRA       | 9.90           |
| IΡ        | 2.70           | -2.1          | Curis                            | CRIS          | 0.43          |              | IntelligentBio                 | INBS           | 1.16             |                | Neuraxis                        | NRXS       | 3.23           |
| 0         | 0.34           | -5.4          | Cutera                           | CUTR          | 8.24          |              | IntensityTherap                | INTS           | 3.81             | -1.5           | NeuroSense                      | NRSN       | 0.77           |
| T<br>SP   | 5.88<br>3.14   | -10.0<br>-0.9 | CytekBiosci<br>DMK Pharm         | CTKB<br>DMK   | 6.32<br>0.58  |              | IntlMoneyExpress<br>iSun       | ISUN           | 17.00<br>0.23    | -1.8<br>-6.0   | NexPointResident<br>noco-noco   | NXRT       | 34.37          |
| SP<br>.WS | 0.22           |               | DagoNewEnergy                    |               | 30.01         |              | JD.com                         | JD             | 30.32            |                | Noodles                         | NDLS       | 2.49           |
| 1         | 51.52          | -4.1          | DareBioscience                   | DARE          | 0.45          |              | JawsMustangWt                  | JWSM.V         | /S 0.02          | -48.2          | NovaBayPharm                    | NBY        | 0.44           |
| L         | 1.30           | -7.1          | Datasea                          | DTSS          |               | -12.7        | Jet.Al                         | JTAI           | 2.46             | -5.1           | Novocure                        | NVCR       | 17.73          |
| pН        | 11.36          | 1.6           | DigitalAlly                      | DGLY          | 2.16          | -8.5         | JinkoSolar                     | JKS            | 27.89            | -2.9           | Nuburu                          | BURU       | 0.32           |
| pD        | 12.24          | -1.7          | DollarGeneral                    | DG            | 112.00        | 0.5          | JumiaTech                      | JMIA           | 2.47             | -7.1           | NutexHealth                     | NUTX       | 0.21           |
| T T       | 0.12           | -13.3<br>-0.7 | Doximity<br>EaglePharm           | DOCS<br>EGRX  | 20.24         | -0.7<br>-1.0 | KaixinAuto<br>KeenVisionAcqnWi | KXIN           |                  | -10.6<br>-21.3 | Nuvei<br>OddityTech             | ODD        | 15.66<br>30.78 |
| i         | 0.32           |               | Earlyworks                       | ELWS          | 0.57          |              | KelsoTech                      | KIO            |                  | -2.4           | OMNIO                           | OMOS       | 1.70           |
| T         | 0.54           |               | 8x8                              | EGHT          | 2.44          |              | KezarLifeSci                   | KZR            | 1.12             |                | ON24                            | ONTF       | 6.06           |
| ı         | 0.69           | -9.0          | EnsysceBio                       | ENSC          | 1.60          | 1.8          | Kirkland's                     | KIRK           | 1.95             |                | Oblong                          | OBLG       | 0.45           |
| 10        | 9.40           |               | EnthusiastGaming                 |               | 0.31          |              | KubientWt                      | KBNT           |                  | -18.6          | OfficeProplncm                  | OPI        | 5.60           |
| N         | 5.15           | -1.7          | EnvirotechVeh                    | EVTV          | 1.16          |              | Kubient                        | KBNT           | 0.31             | -6.8           | Ondas                           | ONDS       | 0.67           |
| X<br>N    | 1.75           | 4.0           | Envista<br>Frasca                | NVST<br>ERAS  | 28.11         |              | KuraOncology<br>KvmeraTherap   | KURA           | 8.99<br>17.41    | -6.5<br>-7.1   | Opthea<br>OrthofixMed           | OPT        | 1.80           |
| N<br>X    | 0.34           |               | Erasca<br>ErayakPwr              | RAYA          | 0.86          |              | LQR House                      | LQR            |                  | 16.7           | PacGE pfE                       | PCGpE      | 15.92          |
| N         | 12.20          |               | ExcelerateEner                   | EE            | 17.60         |              | LanternPharma                  | LTRN           | 3.80             |                | PalatinTech                     | PTN        | 1.59           |
| X         | 0.38           | -11.2         | FMC                              | FMC           | 70.91         | -2.1         | Largo                          | LGO            | 3.00             | 0.3            | ParamountPfdA                   | PARAP      | 18.02          |
|           |                | -18.2         | FangddNetwork                    | DUO           | 0.94          | -6.9         | Lazydays                       | LAZY           | 6.85             | -4.6           | PassageBio                      | PASG       | 0.67           |
| S         | 1.01           | -12.6         | Farfetch                         | FTCH          | 2.09          | -5.0         | LeapTherap                     | LPTX           | 1.39             | -2.8           | PetcoHealth                     | WOOF       | 3.98           |
|           |                |               |                                  |               |               |              |                                |                |                  |                |                                 |            |                |

|      | Sym          | Hi/Lo         | Chg   | Stock                      | Sym          | Hi/Lo         | Chg    | Stock      |         | Sym    | Hi/Lo         | Chg    | Stock                          | Sym            | Hi/Lo   | Chg               |
|------|--------------|---------------|-------|----------------------------|--------------|---------------|--------|------------|---------|--------|---------------|--------|--------------------------------|----------------|---------|-------------------|
|      | LXRX         | 1.14          | -4.5  | PlusTherap                 | PSTV         | 1.21          | -2.3   | ShattuckL  | abs     | STTK   | 1.54          | -10.8  | TompkinsFin                    | TMP            | 48.00   | 5 -0.5            |
|      | LICY         | 4.06          |       | PolestarAutoWt             | PSNYW        | 0.45          | -5.2   | Shuttersto | ock     | SSTK   | 38.58         | -1.6   | TopgolfCallawa                 | y MODE         | 15.17   | 7 -3.2            |
|      | LPCN         | 3.22          | -6.1  | PreludeTherap              | PRLD         | 2.94          | -3.6   | SightScien | ices    | SGHT   | 2.87          | -7.1   | Toro                           | TTC            | 79.72   | 2 -0.7            |
|      | LIZI         | 3.64          |       | PreneticsWt                | PRENV        |               | -26.9  | Silicom    |         | SILC   | 25.26         | -0.7   | TowerSemi                      | TSEM           | 25.84   | 1 -2.3            |
|      | LGVNR        | 0.00          | -66.7 | PrestigeWealth             | PWM          | 3.10          |        | SilkRoadN  | led     | SILK   | 15.94         | -2.7   | TreasureGlobal                 | TGL            | 0.24    | 1 -3.9            |
|      | LKCO         | 0.93          | -5.5  | ProKidney                  | PROK         | 4.55          | -3.3   | SingularGe | enomics | OMIC   | 0.36          | -2.3   | TritiumDCFC                    | DCFC           | 0.52    | 2 -1.6            |
|      | LYEL         | 1.44          | -7.1  | Psychemedics               | PMD          | 3.72          | -1.3   | 60Degree:  |         |        | 0.82          | -2.4   | TriumphGroup                   | TGI            | 7.83    | 3 -3.2            |
|      | LYT          | 0.23          |       | Pulmatrix                  | PULM         | 2.11          |        | Skillsoft  |         | SKIL   | 0.95          | -3.7   | TurnstoneBiolog                | ics TSBX       | 3.94    | 4 -4.2            |
|      | MAIA         | 1.42          |       | PurpleBiotech              | PPBT         | 1.01          |        | SkillsoftW |         | SKIL.W | S 0.03        | -15.2  | 22ndCentury                    | XXII           | 1.13    | 3 -6.5            |
| Α    | MBSC         | 9.33          |       | PyrogenesisCda             | PYR          | 0.52          |        | Skillz     |         | SKLZ   | 5.46          |        | 23andMe                        | ME             | 0.98    |                   |
|      | CART         | 29.96         | -10.7 | QuantaSing                 | QSG          | 3.21          |        | SkyWater   |         | SKYT   | 5.71          |        | 2seventybio                    | TSVT           | 3.42    | 2 -2.3            |
|      | MCHX         | 1.27          |       | RCI Hospitality            | RICK         | 61.07         |        | Snowl ake  |         | LITM   | 1.40          |        | 2U                             | TWOL           | 2.49    |                   |
|      | MTTR         | 2.18          |       | RF Industries              | RFIL         | 2.78          |        | SocketMo   |         | SCKT   | 1.03          |        | USGoldMining                   | USG0           | 6.99    |                   |
|      | MXCT         | 3.17          |       | RayonierAdvMatl            |              | 2.82          |        | SolGelTech |         | SLGL   | 2.11          |        | Ubiquiti                       | UI             |         | -2.7              |
|      | MAXN         |               |       | RayzeBio                   | RYZB         | 18.50         |        | SolidBiosc |         | SLDB   | 2.83          |        | UnitedBkshrsW                  |                |         | 7 -1.0            |
|      | MPW          | 5.79          |       | RedHillBio                 | RDHL         | 0.76          |        | SpiritAero |         | SPR    | 14.92         |        | UniversePharm                  |                |         | 1 -1.4            |
| d    | MHUA         |               |       | RelayTherap                | RLAY         | 8.79          |        | Starbox    |         | STBX   | 1.05          |        | VBI Vaccines                   | VBIV           |         | 2 -16.5           |
| /    | MTA          | 3.16          |       | Remark                     | MARK         | 0.50          |        | StokeTher  |         | STOK   | 4.43          |        | Veru                           | VERU           |         | 3 11.0            |
|      | MLYS         | 10.04         |       | ResearchFrontier           |              | 1.15          |        | Strats PG  |         | GJR    | 22.73         |        | ViaSat                         | VSAT           |         | 3 -8.2            |
|      | YGMZ         | 0.45          |       | ReShapeLife                | RSLS         | 0.63          |        | SunlightFi |         | SUNL.W |               | -10.9  | VinceHolding                   | VNCE           |         | 5 -14.7           |
| h    | MCW          | 5.78          |       | ResMed                     | RMD          | 141.01        |        | SunnovaE   |         | NOVA   | 11.34         |        | VirBiotech                     | VIR            |         | 5 -4.9            |
| orts | MGAM         | 0.29          |       | RichardsonElec             | RELL         | 11.06         |        | SunOpta    |         | STKL   | 3.60          |        | ViridianTherap                 | VRDN           |         | L -4.0            |
|      | MKUL         |               |       | RiminiStreet               | RMNI         | 2.17          |        | Sunworks   |         | SUNW   |               |        | VirnetX                        | VHC            | 0.22    |                   |
|      | MNTS         | 2.63          |       | Rumble                     | RUM          | 5.27          |        | Supernusi  |         | SUPN   | 27.63         |        | VisionMarineTe                 |                |         |                   |
|      | MOND         |               |       | SKYX Platforms             |              | 1.20          |        | SutroBiopi |         | STRO   | 3.45          |        | VividSeats                     | SEAT           | 6.2     |                   |
|      | MNRO         |               |       | SR Bancorp                 | SRBK         | 9.15          |        | SyndaxPh   |         | SNDX   | 16.30         |        | Volcon                         | VLCN           |         | -10.6             |
|      | MVLA         | 0.56          | 1.7   | Safe&GreenDevt             |              |               |        | TD Holdin  |         | GLG    |               | -15.7  | vTvTherap                      | VTVT           |         | 2 -9.8            |
|      | MITQ         | 0.81          |       | SallyBeauty<br>SaversValue | SBH          | 8.27<br>18.97 |        | Tegna      |         | TGNA   | 14.90         |        | WaterstoneFin                  |                |         |                   |
|      | MBIO         | 2.39          | -1.6  |                            | SVV          |               |        | TraconPha  |         | TCON   | 0.18          |        | WestrockCoffe<br>WindtreeThera |                |         |                   |
|      | MYMD         |               |       | Scilex<br>SealedAir        | SEE          | 1.66<br>33.07 |        | TalisBiome |         | TLIS   | 5.40          | 4.9    | WISeKey                        | p WINT<br>WKEY | 0.98    |                   |
|      | NLS          | 0.73          |       | SeelosTherap               |              | 0.23          |        | Tantech    |         | TANH   | 1.51          |        | Workhorse                      |                |         |                   |
| .6   | NIR          |               | -42.4 | SeresTherap                | SEEL<br>MCRB | 2.66          |        | TechTarge  |         | TTGT   | 27.29         | -1.4   | ZW DataAction                  | WKHS<br>CNET   |         | l -6.4<br>9 -11.2 |
|      | NIRWV        |               | -42.7 | SharpsTech                 | STSS         | 0.54          |        | 3D Systen  |         | DDD    | 4.83          |        | ZoomInfoTech                   | ZI             | 15.99   |                   |
|      | NEPT         |               | -11.1 | Stidips recti              | 3133         | 0.54          | -15.7  | DD Dystei  | 112     | טטט    | 4.03          | -1.0   | Zoominiotech                   | 21             | 15.7    | , -5.4            |
| эр   | NMRA         |               | -15.4 |                            |              |               |        |            |         |        |               |        |                                |                |         |                   |
|      | NRXS         |               | -10.2 | IDO Ca                     |              | -ud           |        |            |         |        |               |        |                                |                |         |                   |
|      | NRSN         | 0.77          |       | IPO Sco                    | orec         | aru           |        |            |         |        |               |        |                                |                |         |                   |
| ent  | NXRT         | 34.37<br>0.83 |       | Performa                   | anco         | of IDC        | )c m   | nost-ro    | cont    | licta  | d fire        | t      |                                |                |         |                   |
|      | NDLS         | 2.49          |       | 1 CITOITII                 | arree .      | 01 11 0       | ,,,,,, | % Cha      |         | IIJCC  | Lu III 3      |        |                                |                | % Cha F |                   |
|      | NBY          | 0.44          |       |                            |              |               |        |            |         |        |               |        |                                |                |         |                   |
| n    |              | 17.73         |       | Company S'                 |              | -             | Wed's  | Offer      | 1st-day |        | ompany S      |        |                                |                | Offer 1 | st-day            |
|      | NVCR<br>BURU | 0.32          |       | IPO date/Off               | er price     | 2 (           | lose ( | \$) price  | close   | e IF   | O date/       | Offer  | price clo                      | se (\$)        | price   | close             |
|      |              | 0.32          |       | Maritine.                  |              |               | 32.76  | 9.2        |         |        | IMPPI I       | _      |                                | 4.72           | -10.1   | -3.7              |
|      | NUTX         | 15.66         |       | Klaviyo                    | 20/03        | 000           | 22./0  | 9.2        |         |        |               |        | /¢= 2=                         | 4.72           | -10.1   | -5./              |
|      | ODD          | 30.78         |       | KVYO Sept                  | . 20/\$3     | 0.00          |        |            |         |        | <b>PPL</b> Se | pt. 13 | /\$0.20                        |                |         |                   |
|      | OMOS         |               |       | Davis Comn                 | noditie      | S             | 4.70   | 17.5       | -6.9    | ) C    | ourtsid       | e Gro  | up                             | 2.25           | -71.9   | -48.7             |
|      | ONTF         | 6.06          |       | DTCK Sept.                 | 19/\$4.      | 00            |        |            |         | P      | ODC Se        | ept.8  | /\$8.00                        |                |         |                   |
|      | ODIC         | 0.00          |       |                            |              |               |        |            |         |        |               |        |                                |                |         |                   |

**0.3** -10.7

Solowin Holdings SWIN Sept. 7/\$4.00

99 Acquisition Group

NNAGU Aug. 18/\$10.00 Sources: Dow Jones Market Data; FactSet

10.31

3.00 **-25.0** -50.7

**3.1** 1.5

## **BUSINESS & FINANCE**

# Chinese Office Market Flounders

World's secondbiggest economy wrestles with huge surplus of the space

By Stella Yifan Xie

HONG KONG-The office market in the U.S. is dismal. In some ways, it is even worse in

With the country's economy facing its worst slowdown in years, huge amounts of office space are sitting empty in once-booming cities like Shenzhen and Wuhan, while rents

are falling.

Nearly 24% of the officetower space in 18 major Chinese cities was unoccupied as of June, according to CBRE, the real-estate services firm. That is worse than the U.S., where office vacancy rates hit a 30year-high of 18.2% in June.

Unlike the U.S., however, China's office market isn't suffering from a significant shift toward hybrid work patterns, which have reduced Western companies' need for space.

China is facing a more basic real-estate problem: Developers simply built too much supply and now the economy is too

weak to absorb it.
China's economy barely grew in the most recent quar ter on a quarterly basis, and youth unemployment hit a record high in July. Regulatory crackdowns on the private sector, including consumer internet companies such as Alibaba Group and Tencent Holdings, and weak investment by private firms have depressed demand for new leasing.

A wave of new office towers will hit the market this year, adding to the market gloom.

'We are closer to the bottom but we aren't seeing it just



Exiting tech firms helped push up Beijing's office vacancy rate to 18% in the second quarter.

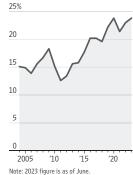
yet," said Henry Chin, head of research for Asia Pacific at

The trouble echoes problems in China's residential real-estate industry, which is mired in a multiyear downturn after developers built too many apartments and the government tightened credit to cool what many experts believed was an overheated market. Numerous property developers defaulted on their international debt.

Analysts are generally less worried about fallout from China's office market, which is smaller than the residential real-estate industry, though together they accounted for 20% or more of China's gross domestic product in recent years.

Most office assets are owned by domestic investors such as real-estate developers, insurance firms and technology giants like Tencent, but some big foreign firms are in China's commercial property market,

China's nationwide office vacancy rate



too, including BlackRock and Tishman developer

Many of the domestic owners have the financial wherewithal to absorb some losses on office assets, analysts say, Still, high office vacancies are indicative of a misfiring economy, and some investors are getting squeezed.

Soho China, one of China's largest commercial real-estate developers, reported a 93% drop in net profit to around \$1.9 million in the first half of the year and said rents and oc-cupancy rates will be "under continuous pressure" as more projects enter the market in the next three years.

Many smaller businesses, reeling from years of pandemic curbs, have given up office

Peak Solution, a German company that provides automobile testing software in China, downsized its Shanghai office during the pandemic and moved to a new building where rent was 30% cheaper to save costs, said general manager

He estimated that about half the space on the company's floor at its previous office

moved out in late 2021 and that the vacancy rate had prob-

ably risen since then.

The company is now trying to find new customers, Xu said but it is hard in China's current economy. "Our goal is to survive this year," he said.

In Wuhan, 63,000 square

meters of new Grade A office space coming online helped push the vacancy rate at Optics Valley, a part of the central city popular with technology companies, to a historical high of over 30% in June, according to data from Savills, a real-estate

service provider. In Shenzhen, another tech hub in southern China that is home to Tencent as well as hardware giant **Huawei Tech** nologies, more than one-quarter of office space was empty as of June, nearing the previ-ous high in 2020 during the initial spread of Covid-19, Savills data shows. Tencent, which has been

renting 15 floors in a Shenzhen office building since 2011, terminated the lease three years ahead of schedule, said the lessor, Netac Technology, in a filing this January. The early end of the contract was due to "intensifying downward pressure on the economy" and slowing consumption growth, Netac

Tencent spokeswoman said in January that the lease termination was a "normal adjustment" of the company's of-

Departing tech firms helped push up Beijing's office vacancy rate to 18% in the second quarter, nearly tripling from 2018 levels, according to Savills.

As of June, the average na-

tional monthly rental value in China dropped nearly 7% compared with 2019, according to data from CBRE.

# |Reality Star Cofounds Media Business

By Megan Graham

A group of media and realestate professionals including 'Million Dollar Listing Los Angeles" star Josh Flagg are building a media company catering to the real-estate indus-

try and its devotees.

Flagg joins Griff O'Brien,
who formerly worked in content acquisition at companies such as Amazon.com and Roku. O'Brien will be chief executive of the new company. called Estate Media. Andrew Shanfeld, co-founder of real-estate private-equity firm Carolwood, also is a co-founder.

Estate Media raised \$1.65 million leading up to its launch from investors including Up-state Shredding CEO Adam Weitsman, who has joined as a partner. Other investors include Powerhouse Capital, Morning Brew CEO Austin Rief and Scriber founder Brian Goldsmith, the company said.

Estate Media's products are set to include newsletters, podcasts and video on social plat-forms and a website. It hopes to develop unscripted shows that could appear on digital platforms or be sold to TV networks or streaming platforms. The content will feature es-

tablished brands and names including "Zillow Gone Wild"—a blog dedicated to unusual homes featured in real-es-tate listings—and Tracy Tutor from "Million Dollar Listing Los Angeles." That content will be free for users and ad-supported. Estate Media said it plans to charge for an education product for real-estate professionals.

# German Firms Defy Pressure to Limit China Exposure

By WILLIAM BOSTON

BERLIN-The German government and European politicians in Brussels are leaning on Germany's largest companies to reduce their exposure to China. The companies are instead doubling down.

As government pressure intensifies, German companies with sizable Chinese operations in recent months have been scrambling to insulate those businesses from possible Western sanctions.

They are seeking to boost local production to rely less on imports from Germany, striking deals with Chinese suppliers to make their supply chains more local and building alliances with Chinese companies. The efforts aim to protect these businesses market shares, shield their profits and ride out a worsening of the political tension between China and the West-especially the U.S.

In the latest sign of such tension, the European Commission, last week announced a probe into alleged unfair subsidies of China's auto industry. China has become one of the world's largest car exporters and a credible competitor to German carmakhicle segment. Still, German risen, bringing growth in Eucarmakers have criticized the rope's largest economy to a halt EU probe, which they fear could open them to retributions by

Earlier this year, the German government told German companies they should reduce their



The ringfencing effort has come from VW, BMW and Mercedes-Benz. A Beijing joint venture of Mercedes-Benz and a Chinese firm.

exposure to China to diminish the German economy's reliance on exports to the country. Germany is heavily dependent on international trade, which has this year.

On Tuesday, the Bundesbank, Germany's central bank, warned against the significant economic risks of German industry's exposure to China, saving that

Data provided by LIPPER

more than 40% of German companies that rely on critical materials from China have done nothing to reduce their dependence on materials and compoat home that factories would stand still if their supply were interrupted.

Instead of pulling back, however, German companies with the most to lose from Western efforts to isolate Beijing have doubled down on their involve-

Net YTD NAV Chg %Ret Fund

ment, trying to insulate their Chinese factories so they can keep churning out products regardless of the global political climate

cals company, is investing up to 10 billion euros (equivalent to about \$10.7 billion) in China through 2030. As part of the push, it recently broke ground on a plant in Zhanjiang, China, to make synthetic gas and hy drogen for local use. The plant

Net YTD NAV Chg % Ret Fund

Net YTD NAV Chg %Ret Fund

is expected to go online in 2025. BASF said the facility is part of its Verbund site in Nanjing, China, a large chemical production site with interlinked prodto consumer products. The expansion ensures that BASF can produce in China what it needs to continue to grow in the Chinese market.

The main ringfencing effort has come from automakers such as Volkswagen, BMW and Mer-

Net YTD NAV Chg %Ret Fund

cedes-Benz. Thanks to their local-for-local strategy—which gives priority to local production for formarkets—German automakers exported 254,607 vehicles to China in 2022, a fraction of the volume of vehicles they produced there, according to the German Association of the Automotive Industry. VW alone produced 3.2 million vehicles in China, as many as it made in Europe.

In July, VW said it would invest \$700 million in Chinese EV maker XPeng, taking a nearly 5% stake in the company, to jointly develop and build EVs. Ralf Brandstätter, CEO of VW's China business, said such part-nerships "are an important building block in the Volks-wagen Group's 'in China for

China' strategy."

VW said that, over the past few years, it has built up local sourcing to well over 90% of the components and materials used manufacture its vehicles made in China.

BMW, the German luxury automaker, celebrated the 20th anniversary of its Chinese joint venture, BMW Brilliance Automotive, earlier this year with the announcement that its next-Klasse, or New Class, would be produced beginning in 2026 in China for Chinese customers rather than exported from Germany. The joint venture sources components and materials for local production from around 430 local suppliers, BMW said.

Net YTD NAV Chg % Ret

Net YTD NAV Chg % Ret Fund

## **Mutual Funds**

|                      |           |             |                           |          |           |                      | _         | ,                   | _     | Fund  | NAV        | Chg % | Ret  | t Fund                     | NAV     | Chg %F  | Ret  | Fund                      | NAV          | Chg %  | Ret   | Fund                   | NAV            | Chg %   | Ret Fu | und                            | NAV Ch                | ıg % Ret | Fund              | NAV Chg %                  | • Ret |
|----------------------|-----------|-------------|---------------------------|----------|-----------|----------------------|-----------|---------------------|-------|---|------------|-------|------|----------------------------|---------|---------|------|---------------------------|--------------|--------|-------|------------------------|----------------|---------|--------|--------------------------------|-----------------------|----------|-------------------|----------------------------|-------|
| Top 250 mu           | tual-fund | c lictings  | for Nasdag-pub            | dichod c | haro da   | coc by no            | t accotc  |                     |       | IntlldxInstPrem                             |            |       |      |                            |         |         |      | JPMorgan R Cl             |              |        |       |                        |                |         |        | mcpAdml r                      |                       |          |                   | 40.28 -0.22<br>41.07 -0.28 |       |
|                      |           |             |                           |          |           |                      |           |                     |       | MidColnxInstPrem                            |            |       |      | SrsGroCoRetail             |         |         |      | CoreBond<br>CorePlusBd    | 9.94<br>6.99 |        |       |                        |                |         |        | ealEstatAdml                   |                       |          | VANGUARD IN       |                            | 11.0  |
|                      |           |             | ıy's quotation. <b>g</b>  |          |           |                      |           |                     |       | SAIUSLaCoIndxFd                             |            |       |      |                            |         |         |      | Lord Abbett I             | 6.99         |        |       |                        | 15.7U<br>22.71 | -0.00   | 7.4 Sn | mCapAdml<br>mGthAdml           | 76.68 -0              |          |                   | 273.03 -1.99               | 10 E  |
|                      |           |             | ; using updated           |          |           |                      |           |                     | - 11. |   |            |       |      | 2 TotalBond                | 9.21    |         |      | ShtDurinc p               | 3.80         |        |       |                        | 22./1<br>27.04 | 0.15 1  | 0.2 50 | TBondAdml                      |                       |          |                   | 17.65 -0.06                |       |
|                      |           |             | . <b>s</b> -Stock split o |          |           |                      |           |                     |       | SeriesBondFd                                |            |       |      |                            | 9.21    |         |      | Metropolitan V            |              |        |       | Schwab Funds           | 27.00          | -0.15   |        |                                | 9.84 -0<br>9.94 -0    | .01 1.3  | MdCpGrAdml        |                            |       |
|                      |           |             | -Footnote x, e a          |          |           |                      |           |                     | 113   | SeriesOverseas                              | 12.02      | -0.01 | 10.7 | TotalPd                    | 8.71    |         |      | TotRetBdl                 | vest         |        |       | 1000 Inv r             | MA             |         |        | TIGradeAdml<br>TIPSIxAdm       |                       | .01 2.1  |                   | 70.03 -0.56                |       |
|                      |           |             | a. <b>NE</b> -Not releas  |          | ipper; da | ta under r           | eview. NN | <b>1</b> -Fund not  |       | SerLTTreBdldx<br>SmColdxInstPrem            | 5.51       | +0.01 | 4.0  |                            | 8.50    |         |      | TRBdPlan                  | NA<br>NA     |        |       | S&P Sel                | NA             |         |        | tBdAdml                        | 23.73 -0              | .05 2.1  | SmValAdml         | 69.66 -0.72                |       |
| tracked. <b>NS</b> - | Fund didi | n't exist a | it start of perio         | 1.       |           |                      |           |                     | 113   | SmcpidxinstPrem                             | 22.49      | 1.11  |      | Fidelity Select            |         |         |      | MFS Funds                 | IVA          |        |       | TSM Sel r              | NA             |         |        | itintBdldxAdm                  | 9.30                  |          |                   |                            | 0.2   |
|                      |           |             |                           |          |           |                      |           |                     |       | i wktiaxinstPrem .                          | 15.30      | -1.11 | 15.2 | Semiconductors r           | 22 47   | -0.40 5 | 4 2  | WF5 FUNGS                 | 20.00        | 0.00   |       | TIAA/CREF Fund         | ls IVA         |         |        |                                |                       |          |                   |                            |       |
|                      |           |             | Wednesday, S              | entembe  | er 20. 20 | 23                   |           |                     |       | TtlintidxinstPr                             | 15.39      | -0.14 | 15.5 | Softwr                     | 25.55   | -0.32 3 | 80.0 | MFS Funds Cla             | 30.99        | -0.09  | INA   | EaldxInst              | NA             |         |        | otIntlAdmldx r<br>otStAdml     | 29.51 -0<br>105.97 -1 |          |                   |                            |       |
|                      |           | let YTI     |                           |          | Net Y     |                      |           | N-4                 |       | USBdldxInstPrem                             |            | -0.03 | 7.5  | Tech                       | 25.30   | -0.43 4 | 11.8 | Growthl                   | 1/2 1/       | 2.25   |       |                        |                |         | NA T   | OLSTAUMI                       | 105.97 -1             | .55 15.1 |                   | 105.96 -1.32               |       |
| Fund                 |           | ha %Re      |                           |          |           | Ret Fund             |           | NAV Cha 9           | K Dot | USBalaxinstPrem<br><b>Fidelity Freedo</b> i | 9.99       |       | 0.2  | First Eagle Fu             | nds     | 0.15    |      | Valuel                    | 105.10       | -2.25  | 1 O   | LrgCpGrldxInst         | 47.33          | -0.64   | 7.7 TX | kMCapAdml<br>kMIn r            | 227.21 -2<br>14.49 -0 | ./5 16.0 | VANGUARD IN:      | STL FDS                    | 12.0  |
|                      | IVAV C    | ilig /orce  |                           |          | City /o   |                      |           |                     |       |   | n<br>15.70 | 0.00  | 7 7  | GlbA                       | 62.63   | -0.15   | NA   | Natixis Funds             | 40.27        | -0.12  | 1.9   |                        |                |         |        |                                | 14.49 -0<br>130.34 -1 |          |                   | 14.51 -0.04                | 9.4   |
| AB Funds             |           |             | Artisan Funds             |          |           | US Co                | reEq1     | 33.29 -0.27         |       |   |            | -0.05 |      | F                          |         |         |      | LSGrowthY                 | 22.16        | -0.22  |       | 500Adml 4              | 07.54          | -3.83 1 | 6.0    | SGroadmi                       | 55.38 -0              |          | Day Add Andrewson |                            |       |
| MunilncmShares       |           | 0.01 1.     |                           | 44.14    | -0.02 1   |                      |           | 30.01 -0.23         |       | Freedom2025 K                               |            |       | TU.0 | IncomeA1                   | 2.24    |         | 2.9  | Northern Fund:            | _            |        | - 11  |                        | 42.41          | -0.47   | 9.0    | /dsrllAdml                     | 72.86 -0              |          |                   | 110.63 -0.81               | 10.4  |
| AB Funds - AD        |           |             | Baird Funds               |          |           | US Sr                |           | 40.24 -0.27         |       |   |            |       | 0.5  | FrankTemp/Fra              | nk Adv  |         |      | Stkldx                    | a<br>44.07   | 0.44   | 140   | CAITAdml               | 11.05          | +0.01   | 1.1    | /asriiAami                     |                       |          |                   | 143.34 -2.37               | 31.2  |
| LgCpGrAdv            |           | 0.88 20.    | AggBdInst                 | 9.45     |           | 0.6 US Sr            |           | 40.52 -0.27         |       | Freedom2030 K                               |            |       | 7.4  | IncomeAdv                  | 2.22    |         | 3.0  | Old Westbury              | 40.77        | -0.44  | 10.0  | CapOpAdml r 1          | 69.96          | -1.30 1 |        | /ellsIAdml<br>/elltnAdml       | 58.46 -0<br>69.54 -0  |          |                   | 9.34 -0.02                 | 0.4   |
| American Cent        |           |             | CorBdInst                 | 9.75     |           | 1.0 US Tg            |           | 28.52 -0.19         |       | Freedom2035 K<br>Freedom2040 K              |            |       | 10.0 | FrankTemp/Fra              | nklin A |         |      | LrgCpStr                  | na<br>NA     |        | NIA I | DivAppldxAdm -         | 43.52          | -0.22   |        | ndsrAdml/                      | 72.20 -0              |          |                   | 368.71 -3.47               | 16.0  |
| Ultra                |           | 0.96 28.    | BlackRock Fur             |          |           | USLg\                |           | 42.70 -0.24         |       | ldx2030InsPre                               |            |       |      | , Growth A                 |         | -1.18 1 | 15.5 | D                         |              |        | IVA   | EMAdmr                 |                | -0.18   |        | masraami<br><b>Anguard F</b> C |                       | .30 6.6  | InstPlus          | 368.71 -3.48               |       |
| American Fund        |           |             | HiYldBd Inst              |          |           | 7.2 Dodge            |           |                     |       | ldx2030InsPre                               |            |       | 7.3  | RISDV A                    |         | -0.61   |      | ParnEgFd                  | 52 90        | -0.40  | 15 2  |                        |                | -0.30   |        | ivdGro                         |                       | 10 11    | InstTStPlus       | 76.18 -0.98                |       |
| AmcpA                |           |             | BlackRock Fur             |          | 4.00      | Baland               | :ed       | 98.39 -0.41         | 7.4   | dx2035InsPre                                | 20.30      | -0.10 | 8.9  |                            | unds Tr | u       |      | PGIM Funds CI             | )).07        | -0.40  | - 1   | LXPII AUTTII           |                | -0.64   | 7.0]   |                                | 35.33 -0              |          | MidCplnst         | 58.39 -0.46                |       |
| AMutlA               |           |             | iShS&P500ldxl             |          | -4.88     |                      | ock       | 14.37 -0.06         | 14.0  | dx2040InsPre                                | 20.93      | 0.12  | 10.4 | 4 TotRtnBdFdClinst         | 22.86   | -0.01   |      | TotalReturnBond           |              |        |       |                        |                | -0.81 1 | 0.4    | tlVal<br>feCon                 | 39.00 -0<br>19.91 -0  |          |                   | 287.97 -2.25               |       |
| BalA                 |           |             | BlackRock Fur             |          | 0.07      | Incom                | e         | 12.18 -0.01         | 1.8   | dx2045InsPre                                | 21.81      | -0.13 | 10.8 | Harbor Funds               |         |         |      | PIMCO Fds Ins             |              |        |       | GNMAAdml               |                |         | U.Z ,  | recon<br>feGro                 | 39.21 -0              | .04 5.5  | RealEstaInstl     | 17.73 +0.03                |       |
| BondA                | NA        |             | EqtyDivd                  |          |           | 5.3 Intl St          | K ,       | 48.45 -0.02         | 12.4  | Fidelity Invest                             | 25.00      | 0.15  | 120  | CapApInst                  | 84.84   | -1.14 3 |      | AllAsset                  | NIA.         |        | NA.   | GrwthAdml 1            |                | -2.37   |        | feMod                          |                       | .21 /./  | Sm( aninst        | 92.14 -0.97                |       |
| CapIBA               | 63.12 -   |             | StratIncOpptyIn:          |          |           | 2.2 Stock            |           | 231.96 -1.83        |       | Baianc<br>BluCh                             | 25.08      | -0.15 | 27.1 | Harding Loevn              | er      |         |      | TotRt                     | NA           |        | NA    | HlthCareAdml r         |                | -0.00   |        |                                | 29.25 -0              | .11 /./  | SmCapIstPl        | 265.94 -2.81               |       |
| CapWGrA              |           |             | TotRet                    | NA       | ***       |                      | Line Fun  |                     |       | Bluch                                       | 22.19      | -2.02 | 37.1 | IntlEq                     | 24.45   | -0.08   |      | PIMCO Funds A             |              |        | 140   | HYCorAdml r            |                |         | 5.2 Pr | rmcpCor                        | 30.95 -0              | .18 15.9 | STIGradeInst      | 9.94 -0.01                 |       |
| EupacA               |           |             | Calamos Fund              |          | . 0. 01   | TotRe                |           | NA                  |       | BluChpGr K6                                 | 25./0      | -0.37 | 37.3 | Invesco Funds              | Α       |         |      |                           | 10.21        |        |       | IntProAd .             |                |         | 0.3 ST |                                | 25.99 -0              | .11 8.4  | STIPSIxins        | 23.75 -0.04                |       |
| FdInvA               |           |             | MktNeutl                  |          | +0.01     |                      |           | vth Instituti       |       | Contra                                      | 15.17      | -0.18 | 27.5 | EqlncA                     | 10.04   | -0.03   | 3.2  | IncomeFd<br>PIMCO Funds I | 10.51        | -0.01  | 3.7   | IntlGrAdml             |                | -0.50   |        | gtRe2020                       | 26.84 -0<br>17.87 -0  | .0/ 5.8  | TotBdInst         |                            | 0.3   |
| GwthA                |           |             | Columbia Clas             |          | 0.11      |                      |           | 38.69 -0.45         |       | Cpinc                                       | 9.51       | -0.01 | 7.0  | Invesco Funds              |         |         |      | Income                    |              | -0.01  | 12    | ITBondAdml             |                |         |        | gtRe2025                       |                       |          | TotBdInst2        |                            | 0.3   |
| HI TrA               | 9.13 +    |             | 7 Divlncom I              |          | -0.11     | 4.4 Federa<br>TtlRtr | ted Herm  |                     |       |   |            | -0.46 | 31.1 | 1 DevMktY                  | 37.27   | -0.37   |      | PIMCO Funds I             | Ineti        | -0.01  | 4.2   |                        | 8.22           |         |        | gtRe2030                       | 33.91 -0              | .13 8.1  | TotBdInstPl       | 9.30                       | 0.3   |
| ICAA                 |           |             | Dimensional F             |          |           |                      |           | 9.20                |       | InvGrBd                                     | 9.69       |       |      | JHF III DispVa             |         |         |      | IncomeFd                  |              | -0.01  |       | LarCapAd 1             |                |         |        | gtRe2035                       | 21.08 -0              | .09 8.9  | TotIntBdldxInst   | 28.93 +0.05                | 3.0   |
| IncoA                |           |             | 5 SGlbFxdInc              | 10.16    |           | 3.4 Fidelit          |           | 153.29 -1.44        |       | LowP  |            |       |      | 2 DispValMCI               | 26.09   | -0.06   |      | Price Funds               | 10.51        | 0.01   | - 1   |                        |                |         |        | gtRe2040                       | 37.32 =0              | .19 9.0  | TotStInst         | 105.99 -1.35               |       |
| N PerA               |           |             | EmgMktVa                  |          |           |                      |           | 21.17 -0.25         |       |   |            |       |      | 9 John Hancock<br>B BondR6 | 12.04   | 0.01    |      | BlChip                    | 138 50       | -2 1/1 | 33.8  |                        |                |         |        | gtRe2045                       | 25.24 =0              | .15 10.0 | ValueInst         | 55.38 -0.49                | 3.1   |
| NEcoA                |           |             | EmMktCorEq                |          |           |                      |           |                     |       |   |            |       |      |                            |         | -0.01   |      | DivGro                    | 67.47        | -0.22  | 5.0   | MuHYAdmi<br>MuIntAdml  | 10.20          |         |        | gtRe2050                       |                       |          | WCM Focus Fu      |                            |       |
| NwWrldA              |           |             | IntlCoreEq                |          |           |                      |           | 69.49 -0.51<br>8.43 |       |   |            |       |      | JPMorgan I Cla             |         |         |      | Growth                    | 07.47        | -1.17  | 22 1  | MulntAdmi<br>MuLTAdml  | 13.24          |         |        | gtRe2060                       |                       |          | WCMFocIntlGrwins  |                            | 6.6   |
| SmCpA                |           |             | I IntSmCo                 |          |           | 6.0 FidSei           |           |                     |       |   |            |       |      | 2 CoreBond                 | 9.92    |         | NA   | HelSci                    | 87.40        | -0.36  | -2.1  | MuLtdAdmi<br>MuLtdAdml | 10.45          |         |        | tRet2055                       |                       |          | Western Asset     |                            |       |
| TxExA                | 11.96     |             | IntSmVa                   |          |           |                      |           |                     |       | SAIUSQtyldx                                 |            |       |      |                            | 22.12   |         |      |                           | 50.06        | -0.50  | 20.6  | MuShtAdmi<br>MuShtAdmi |                | -0.01   | 1.5 lg | gtRetInc                       |                       |          | CoreBondl         |                            | NA    |
| WshA                 | 54.00     | 0.34 7.     | Lyco                      | 50.12    | -0.28     | o.o   Growtho        | ompanyK6  | 19.90 -0.28         | 29./  | SrsEmrgMkt                                  | 16.65      | -0.12 | 6.6  | LgcpGwth                   | 54.36   | -0./8   | ΝA   | LgCapGow I                | 27.90        | -0.0/  | 0.0   | MDAJIICUIVI            | מל.כב          | -0.01   | 1.0 W  | /elisi                         | 24.14 -0              | .03 1.2  | CorePlusBdI       | NA                         | NA    |
|                      |           |             |                           |          |           |                      |           |                     |       |   |            |       |      |                            |         |         |      |                           |              |        |       |                        |                |         |        |                                |                       |          |                   |                            |       |

# Goldman Boosts Private-Equity Capital

Goldman unit for

secondary deals at

end of June

Vehicles dedicated to secondary and infrastructure deals raised \$15 billion

By Rod James

Goldman Sachs Group's asset-management arm has amassed more than \$15 billion across vehicles dedicated to acquiring private-fund stakes on the secondary market, a segment that continues to attract large amounts of capital dea wider fundraising slowdown

The New York bank's alternatives arm, which managed around \$45 billion of capital dedicated to secondary investments at the end of June, has collected \$14.2 billion from investors for its Vintage IX strategy to acquire stakes in private-equity funds from other investors, according to a state-

Goldman also collected \$1 billion for Vintage Infrastructure Partners, its debut commingled fund to acquire stakes cles. The firm closed both drives above their target levels after receiving commitments from high-net-worth individuals as well as institutional investors, according to the state-

"For people that have money to invest, secondaries resonated as a strategy," said Harold Hope, a managing director and global head of secondaries at Goldman Sachs Asset Management. Investors "believe the opportunity set has never been bigger than it is right now and it's a part of private markets where you can actually deploy capital," he

Institutional investors in private-markets funds can use the secondary market to sell their stakes to generate cash. The market also offers a way for fund sponsors to extend their hold on companies they won't or can't sell while giving investors in their funds the chance to take money off the

Institutional investor interest in secondaries strategies from private markets re-searcher Preqin show. By this year's second quarter, 28% of investors said they these planned to target secondaries strategies over the coming 12 months, up from 19% a year

The pick up in interest came as the torrid pace of seconddeals tailed off this Secondary-market trade volume fell 25% to \$43 billion in the six months through June compared

\$57 billion in the same period of last year, according to Jefferies Financial Group, an adviser on secondary deals.

A persistent gap between the pricing expectations of buyers and sellers, driven by stock market volatility and the rise in interest rates, as well as lack of available capital, helped drive the first-half deStreet Journal survey

Many fund managers and investors now expect an uptick activity as traditional sources of liquidity, such as the mergers-and-acquisition and initial public offering markets, remain virtually closed but in-

vestors pressure to generate cash returns.

"There greater consensus around the view that things are getting better... That's going to lead to a bit more risk appetite and

maybe narrow-ing of discounts," Hope said. The key for secondary buyers will be identifying which companies have performed well over the past 18 months but are being conservatively valued by their private-equity backers,

While Goldman has long made secondary investments in infrastructure funds through

that having a vehicle dedicated to the segment will increase the firm's market prominence and lead more sellers to see it as a one-stop shop for deals. Goldman also has raised investment vehicles dedicated to acquiring stakes in real-estate

"So many investors are say ing 'I know I need liquidity and want to get it from the part of my portfolio where it will have the least negative impact, meaning the lowest discount," he said, "Strategies like infrastructure, which are perceived to be a little safer and infla-tion-protected—those assets do [currently] trade at [narrower] discounts."

Goldman's sourcing of infrastructure secondaries deals grew more than 40% from 2021 to 2022, and rose to a record level in this year's first half, according to the statement. Hope said Vintage IX attracted 30 new institutional investors from America, Europe, the Middle East and Africa, as well

While raising the two funds,

eral groups seeking capital for large vehicles dedicated to secondary investments. Parisbased **Ardian** and Franklin Templeton's Lexington Partners both aim to raise at least \$15 billion for their main private-equity secondaries funds and both will soon wrap up their drives above their targets, according to multiple people in the market. **AlpIn**vest Partners and Harbour-Vest Partners also are in the market with fund targets of at least \$10 billion, the people

Secondary investment vehicles closed on \$37.5 billion over this year's first half, exceeding the total collected in all of last year and in 2021, according to market researcher Preqin. Overall private-equity fundraising slumped 35% to \$106.7 billion in this year's second quarter, the lowest quarterly haul in five years, Preqin data show. Goldman, a secondary market investor since 1998, wrapped up its Vintage VIII secondaries vehicle with \$10.3 billion in 2020.

# Clorox Cyberattack **Tests New Rules** On Disclosure

By Kim S. Nash

A cyberattack on cleaningproducts maker Clorox is providing an early test for new rules on disclosing cyberattacks, in a case that is being closely watched by business leaders.

Clorox is one of the first large U.S. companies to suffer a cyberattack since the Securities and Exchange Commission's rigorous new cybersecurity rules went into effect Sept. 5.

Since an initial notice posted on its website and one filed with the SEC on Aug. 14, Clorox has issued six more, including another 8-K filing, each adding details about operational disruptions as the episode unfolds. The company said the financial impact is still unknown.

Clorox's string of bulletins over more than four weeks shows how determining the material impact of a cyberattack is unfamil-

Clorox said that

its first-quarter

earnings would

take a hit from

the attack.

iar ground for companies. Such decisions can take longer assessments of more common material events. such an executive departure, said Andrew

Heighington, chief information security officer and head of technology and privacy at software provider Visit.org.

"The fog of these incidents will make it hard to provide reliable information at the start," Heighington said. "A stream of 8-Ks will be the new

Most public companies will be required to report significant hacks to the SEC in an 8-K form starting Dec. 18.

Clorox, whose many brands include Burt's Bees cosmetics and Glad trash bags, said the cyberattack damaged some technology systems and the company shut down others to stop the spread. As a result, order processing and some manufacturing have been disrupted, leading to product shortages. On Monday, Clorox said it was working on system repairs and it expected order processing to start getting back to normal next week. The first statement from

Clorox was vague, said Heighington, who has held cybersecurity positions at Bank of America and JPMorgan Chase. Clorox said "unusual activity" on its systems prompted the company to take down some technology and that "some operations are temporarily impaired."

"I'm not sure the initial disclosure had much value to investors, other than letting them know they were experiencing an incident," he said. Subsequent notices were more useful, which reflects the nature of a cyber incident, where consequences become clear over time and with investigation, he said.

Clorox hasn't specified which products have been affected and to what extent. A spokeswoman declined to comment on which systems were damaged or shut down, pointing to the company's public

statements Chau Banks, chief information and data CISO Amv Bogac are among the emplovees working on incident re

spokeswoman

said. Under the SEC's new rules passed in July, a company has four days to outline the nature scope and timing of a cyber incident after determining it will

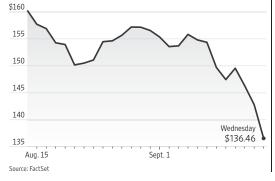
sponse,

have material consequences. The agency wants investors to have access to more standardized information about said Eric Gyasi, a lawyer with the firm BakerHostetler who focuses on cyber risk and incident response. He declined to comment directly on the situation at Clorox.

clear, documented process for deciding whether a cyberattack is material is new ground for some companies, Gyasi said.

At Clorox, leaders are still evaluating the financial and business impact, but the company said that its first-quarter earnings would take a hit from the attack. Clorox's fiscal 2024 first quarter ends Sept. 30.

#### Clorox shares have dropped since its initial disclosure on Aug. 14 of 'unusual activity' on its technology systems.



# **NVIDIA** KTA Multi-touch Screen , 4K UHD

Nvidia helped push the tech-heavy Nasdaq down 1.5% and pushed the S&P 500 0.9% lower. Nvidia fell 2.9% Wednesday.

Index performance on Wednesday

# Stock **Indexes** Decline

Continued from page B1

Major stock indexes veered slightly lower following his remarks. While shares in tech firms and banks sputtered, consumer staples and healthcare stocks were among the S&P 500's

WEDNESDAY'S

bright few spots. Those moves fit within a broader uptick in investor interest in sec-tors considered to be more de-

Stocks in oil drillers, fuel reoilfield-service have firms

#### -0.50 -0.75 Dow Jones Industrial Average S&P 500 -1.00 Nasdaq Composite -1.25 -1.50 Five-minute intervals -1.75 11 10 a.m. 1 p.m.

side rising oil prices. "Risk management should be important to people right founder and portfolio manager of Quent Capital. "We're in a

Benchmark U.S. crude on Wednesday fell 1% to \$90.28 a 2023 highs

Also on Wednesday, a string

#### **AUCTION RESULTS**

ts of Wednesday's Treasury re awarded at a single price at the ield. Rates are determined by the en that price and the face value.

17-WEEK BILLS \$141.632.644.40

2.705 912797JA6 The bills, dated Sept. 26, 2023, mature on Jan. 23, 2024

of high-profile initial public offerings by tech companies continued, with marketing-automation company **Klaviyo**'s shares jumping 9.2% in their

Overseas, Europe's Stoxx 600 rose 0.9%. At midday Thursday, South Korea's Kospi was down 1.4%, Hong Kong's Hang Seng Index was down 1.2% and Japan's Nikkei 225 was down 1.1%. S&P 500 fu-

> –Jack Pitcher contributed to this article.

# **CBRE Fined Over Whistleblower Pacts**

By Mengqi Sun

CBRE Group agreed to pay a fine to the Securities and Exchange Commission to settle allegations the commercialreal-estate investment firm's separation agreements prevented potential whistleblowers from reporting to the SEC.

The \$375,000 settlement is among the SEC's efforts to probe into various agreements companies ask employees to sign, including nondisclosure agreements, that could contain language preventing the reporting of possible federal security-law violations, whistleblower attorneys said.

The whistleblowing protection rules prohibit actions that would impede an individual from communicating directly with SEC staff about possible security-law violations. Those actions include enforcing or

threatening to enforce a confidentiality agreement over communication with the SEC.

The SEC alleged that be-tween 2011 and 2022, Dallasbased CBRE required its employees as a condition of receiving separation pay to sign a release attesting they hadn't filed a complaint against the company with any federal agency. At least 884 CBRE employees signed this agreement during that time.

"By requiring this representation," the SEC said in the order. "CBRE took action to impede potential whistleblowers."

"Our separation agreements have included language that has long been the standard in release agreements for many companies," a CBRE spokesman said in an email. "When the SEC contacted us, we immediately clarified our relevant lan-

# Toshiba Holders Back \$13.5 Billion Tender

By Kosaku Narioka

Toshiba said Thursday that a \$13.5 billion tender offer to take the company private ended successfully, concluding a long period of turmoil over the future of the Japanese industrial conglomerate.

Toshiba in March agreed to a takeover proposal made by a consortium led by Tokyobased private-equity firm Japan Industrial Partners that valued the company at about \(\foating{42}\) trillion, currently

equivalent to \$13.5 billion. Toshiba said about 79% of shareholders tendered their shares at the offered price of ¥4,620 a share. The

stock is expected to be delisted. Toshiba has gone through years of upheaval that started

with an accounting scandal in

2015 and included the 2017

bankruptcy filing by its U.S.

nuclear subsidiary, Westinghouse Electric.

Foreign investors gained greater influence in 2017 when they injected billions of dollars to improve Toshiba's

balance sheet.

Last year, the company added representatives from major shareholders Elliott Management and Farallon Capital Management to its board.

company has sold The many of the businesses that made it a well-known name globally, including laptop computers, televisions and medical equipment. Its remaining businesses include energy sys tems and batteries.

A number of Japanese companies are participating in the deal, giving them influence as the new private-equity owner weighs further changes to Toshiba's portfolio of busi-

# HEARD ON STREET

FINANCIAL ANALYSIS & COMMENTARY

# Amazon Tries To Give AI Shine To Hardware

Machine learning is coming to Alexa devices, but AWS will prove to be the real battleground

**Amazon** is hardly getting out of the hardware business. In fact, Alexa even seems to be getting a bit of a promotion.

The technology giant held its annual fall device event on Wednesday. It came about 10 months after The Wall Street Journal reported Amazon's hardware business was under scrutiny by the company's higher-ups looking for areas to cut costs. Subsequent layoffs totaling 26,000 workers reportedly fell hard on the unit—which amassed a wide portfolio of products ranging from success stories like the Kindle e-reader and Echo smart speaker, to more questionable forays like flying home-security drones, videophones for children and even a

\$1,600 home robot.
Still, the slimmed-down team
has kept busy. At least 10 new devices were introduced on Wednesday, including the first soundbar
from Amazon's Fire TV brand,
along with a new device category
called the Echo Hub—a wallmounted control panel for smarthome devices. But the most notable development involves bringing
generative artificial intelligence to
Alexa, the voice assistant that has

been a key part of Amazon's products since its first smart speaker shipped in 2014.

Amazon previewed the GenAI-enhanced version of Alexa on Wednesday, with departing hardware chief David Limp carrying on a conversation with the digital assistant through the company's newly announced Echo Show 8 video speaker. The new version of the voice assistant will be ready early next year, and Limp noted it will even be available on the company's first smart speakers that shipped nine years ago.

Generative AI took the tech world by storm this year, and Amazon hasn't been quiet on the matter: Chief Executive Andy Jassy mentioned the term 21 times on the company's most recent earnings call last month. But the company that runs the world's largest public cloud-computing business hasn't yet announced major new services based on that technology—at least not to the same degree as Microsoft and Google.

That created the image of Amazon being a laggard: Morgan Stanley analyst Brian Nowak noted in a June report that the company's



Hardware chief David Limp had a conversation with the GenAl version of Alexa through the Echo Show 8.

AWS cloud business "continues to be viewed as being disadvantaged by investors."

Amazon's stock jumped 61% this year as the company addressed overcapacity issues in its core retail business, but the shares lagged behind those of Microsoft and Google-parent **Alphabet** over the past 12 months. The public launch of the ChatGPT chatbot in late November ignited the market's AI hype, and Microsoft and Google both started laying out their vision for the technology a few months later.

A GenAI-powered Alexa alone

A GenAI-powered Alexa alone won't change Amazon's trajectory; the stock remained relatively unchanged during Wednesday's event. (The stock closed down 1.7%.) But the move is an early sign of Amazon's ambitions to

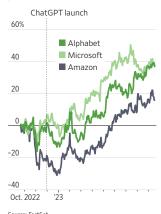
take the technology far and wide—well beyond its large base of corporate cloud customers. The company said this year that more than half a billion Alexa devices have sold to date.

The true payoff for Amazon will come from bringing GenAI deeper into the cloud business, which now generates more than \$85 billion a year in revenue and the bulk of the company's profits. Amazon's annual cloud event known as AWS Re:Invent in late November will likely prove key; analysts are expecting an array of AI-related announcements that could help the company close its perceived gap with Microsoft and Google.

A more chatty Alexa might just be a warm-up act.

—Dan Gallagher

Share-price performance, past 12 months



Source. FactSet



AB InBev, which retains the rights to the Corona brand outside the U.S., considers it one of its top global brands.

# Bud Light Brewer Reminds Us It's a Big World After All

Mexican beer is having a moment in the U.S., but don't forget its potential elsewhere—including Mexico itself.

That was one of the key messages hammered home by beer giant Anheuser-Busch InBev at an investor event this week. Having been hit hard this year by the Bud Light controversy, they chose to host the event in Mexico City. The company, which accounts for around one of four beers sold worldwide, used Mexico as a showcase of its global strategy and footprint.

When AB InBev acquired Mexico's Grupo Modelo in 2013, U.S. antitrust authorities forced it to sell the rights to that company's brands, including Corona, Modelo and Pacifico, in the U.S. market to Constellation Brands. Since then, Modelo Especial has grown to become the topselling beer in the U.S. But AB InBev retains the rights to those brands everywhere else in the world.

In presentations on Tuesday and Wednesday, AB InBev executives divided global markets up into four categories: developed markets such as the U.S. and Europe; developing markets such as Brazil and Mexico; emerging markets like many in Africa; and finally China, which they said is big and unique enough to be its own category.

Developing markets stood out as the biggest opportunity. Not only are they large and growing they are very profitable, with the highest margins on the basis of Anheuser-Busch InBev share price,



earnings before interest, taxes, depreciation and amortization, the company said.

In an interview, Chief Financial

In an interview, Chief Financial Officer Fernando Tennenbaum said this strong margin profile is partly because these countries have large, at-scale beer markets that are experiencing economic growth, with room for beer "premiumization" as consumers get wealthier. Using returnable glass bottles in these markets saves on packaging costs as they are reused dozens of times, he added.

In Mexico alone, the beer market grew by 5% a year between 2017 and 2022, and AB InBev said its sales have exceeded this growth rate, making the country the single biggest growth contributor to the company's top and bot tom lines. What is more, the company considers Corona one of its top global brands, alongside a select few like Budweiser and Stella Artois. Its marketing message for Corona, associating it with outdoor moments like sunsets, resonates worldwide from Brazil to China, said Tonnahaum.

China, said Tennenbaum.
Intriguingly, another of the top global brands highlighted this week, perhaps filling a vacuum left by Bud Light, was Michelob Ultra, a U.S. brand marketed as being low in carbohydrates and suiting a healthy, active lifestyle. It was introduced in Mexico in 2017 and is now in over a dozen countries worldwide.

countries worldwide.

Meanwhile in China, AB InBev said its brands are positioned as growing premium options in the market and China is now the largest market in the world for Budwisior.

In short, AB InBev has quite a lot happening around the world beyond just last spring's Bud Light woes. You wouldn't necessarily know that from its stock price, though. While it is significantly above the lows it hit in early June, the shares are around 18% lower than at the end of March.

Investors might do well to take the more global perspective that the company is trying to get across.

—Aaron Back\*

# Don't Believe the Fed's Rate Projections Just Yet

Doth the Fed project too much? Federal Reserve policy makers on Wednesday held to their target range on rates—no surprise there. If there was a surprise, it was how little they expect to cut rates next year.

Updated projections showed that most policy makers still expect to raise rates again in 2023, though with less conviction than before. Whereas, following their June meeting, a few officials anticipated raising rates by more than one-quarter of a percentage point above the current level, now none do.

Additionally, seven of 19 officials don't expect to raise rates again at all. Investors are even less convinced that more tightening is coming.

Following the Fed's policy announcement, interest-rate futures put the odds of another rate increase by year-end at less than 50%.

The general sense is that by penciling in one last increase, Fed policy makers are hanging on to their option to raise rates, in case inflation really heats up again while the job market stays strong. It is easier to take that option away later than it is to do so now, and then end up having to reinstate it.

Projecting one last rate increas is also a way of preventing investors from immediately turning to the next question: When will the Fed cut?

The risk is that as soon as investors start doing that, rate expectations will come down sharply, and with them long-term interest rates, providing the economy with a boost the Fed doesn't want it to receive just yet.

The Fed's new projections also indicated that policy makers expect to cut rates by far less next year than they thought before. They now forecast, on balance, that the federal-funds rate will be 5.125% at the end of next year, just one-quarter of a percentage point lower than the midpoint of the current range. In June, they forecast a

year-end 2024 rate of 4.625%.

Investor expectations for rates at the end of next year have risen, but they are still well below the Fed's, at about 4.8%.

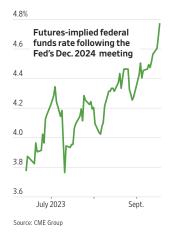
As with the central bank's yearend 2023 rate forecast, it might be that policy makers are trying to keep investors from jumping the gun on rate-cut expectations, while investors think this is probably a bluff.

But at the same time, the Fed seems to be forecasting a soft landing for the economy: Not only did policy makers boost their projections for gross-domestic-product this year—a near necessity, considering recent data—they also pushed up their 2024 GDP-growth forecast, while lowering their forecast for the unemployment rate in the final quarter of 2024. Investors might have a harder time believing that a soft landing will come true.

And even if investors do believe the economy can weather through next year, they might also think the Fed will need to lower rates to ensure the soft-landing scenario actually comes true.

The first rate cuts could come faster than the central bank thinks.

—Justin Lahart





The sense is Fed officials are keeping a rate-hike option open in case inflation heats up again while the job market is strong. A job fair this summer.