

Making sense of dementia's surprising fall

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The threat of a wider war in the Middle East

GIDEON RACHMAN, PAGE 17

Gaza conflict Israel rescues first hostage

The Israeli military said yesterday it had rescued soldier hostage Ori Megidish, centre, as its ground operations against the Palestinian Islamist group Hamas drove deeper into the Gaza Strip.

Megidish was one of more than 230 hostages seized by Hamas during its brutal assault on Israeli communities on October 7 in which more than 1,400 people died. Four hostages were previously freed. Hamas released a video of three other hostages, one of whom said Israel should free Palestinian prisoners in exchange for those held in Gaza.

Prime Minister Benjamin Netanyahu has rejected calls for a ceasefire in Gaza, where Palestinian officials say more than 8,000 have died. He said it would be "to surrender to terror, to surrender to barbarism. That will not happen."

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Israel Security Agency/via Reuters

Briefing

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Mourners have flocked to Li Keqiang's childhood home to pay their respects to China's former premier, posing a challenge to Beijing as it contends with a slow economic recovery.— PAGE 2

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The steelmaker is to transfer ownership of its operations in Kazakhstan to the government following several fatal accidents, including a coal mine fire at the weekend that killed 44.— PAGE 6

Big Four firm PwC elevates head of advisory business to be global chair

► Kande chosen to replace Moritz ► First consulting partner to fill post ► No split to business expected

STEPHEN FOLEY — NEW YORK
MICHAEL O'DWYER — LONDON

PwC has picked the head of its international advisory business to be its next chair, putting the Big Four accounting firm in the hands of a consulting partner for the first time.

Mohamed Kande's selection by PwC's global board was disclosed to partners yesterday, according to people familiar with the internal message. It will need to be ratified by member firms in individual countries in the coming weeks, after which Kande would take over from current chair Bob Moritz, whose tenure expires in June.

Kande came to PwC 12 years ago via its purchase of consulting firm PRTM; he holds the title of vice-chair of the US consulting unit as well as global advisory leader.

The race for global chair was thrown open last month when Tim Ryan, PwC's US senior partner, unexpectedly took his name out of contention, breaking the tradition of the head of the US firm being elevated to the job.

Some partners outside the US had queried whether Ryan's hands-on and demanding management style was suited to a global role that involves marrying the sometimes competing interests of PwC member firms across the

Mohamed Kande is a naturalised American who grew up in Côte d'Ivoire and moved to France at 16

world. In common with its Big Four rivals, PwC operates as a network of locally owned partnerships, with the global operation largely limited to imposing common standards and managing the brand.

One person familiar with the selection process said Kande had demonstrated an "ability to bring collaborative solutions for our network".

PwC employs about 364,000 staff globally and generated revenues of \$53.1bn in the 12 months to June. Like each of the other Big Four accounting firms — Deloitte, EY and KPMG — it audits the financial statements of close to a quarter of the world's biggest companies and generates tens of billions of dollars from consultancy and tax advice.

The new global chair will have to

wrestle with the fallout from a scandal in Australia after it was revealed that a former partner had misused confidential data on Canberra's tax plans. The incident exposed the limits of the global leadership's oversight of member firms.

There are also persistent questions over the structure of the Big Four firms, which marry audit and tax work with giant consulting businesses. The global leaders of rival EY pushed to split that firm in two but the plan was blocked by opposition in its US audit business.

Moritz had consistently ruled PwC out of making a similar attempt, and people familiar with the selection process said that all the candidates to replace him affirmed their commitment to keeping audit and consulting together.

Kande, a naturalised American who

grew up in Côte d'Ivoire and moved to France aged 16, has spoken about his diverse background and how what might be considered obstacles could instead add useful perspective to a business career.

"I am a black man. I am an immigrant. I speak English with a French accent. And my name is Mohamed," he wrote in 2021.

"Given these factors, success, or even a presence, in corporate America was far from preordained, to say the least."

PwC said the global board "undertakes a thorough succession planning, assessment, and ratification process to appoint the network chair. That process is still under way, and we do not plan to comment on the outcome until it is concluded later this year."

AfD member blocked from taking seat after arrest for keeping Nazi materials

SAM JONES — BERLIN

A newly elected far-right German politician has been arrested for sedition and possession of Nazi materials after a tense manhunt over the weekend.

Daniel Halembe, 22, had been set to take up his seat in Bavaria's state parliament when it began its new five-year term yesterday, which would have given him immunity from prosecution.

Halembe is one of the 32 parliamentarians elected for Alternative for Germany (AfD) in state elections this month, in the hardline party's best ever result in Bavaria. AfD is now the largest opposition party in the state.

Prosecutors in the city of Würzburg issued a warrant for his arrest on Friday, ahead of the new parliamentary sitting. Halembe could not initially be found, leading to fears he would evade capture

and attempt to take up his seat to complicate any prosecution.

Police caught him in Stuttgart, in the neighbouring state of Baden-Württemberg at Sam yesterday. Halembe's lawyer, Dubravko Mandic, said that he petitioned Bavaria's constitutional court to have the arrest of his client reversed.

Halembe had been in prosecutors' sights for weeks. In mid-September police in Würzburg raided the premises of student fraternity Teutonia Prag after neighbours complained of regularly hearing members shouting "Sieg Heil".

Halembe, a fraternity member and leader of AfD Würzburg, was on site during the raid. Police said they confiscated a large volume of materials and that their raid "confirmed the allegations" made by neighbours.

Halembe told the Süddeutsche Zeitung newspaper after the raid that no

"incriminating material" had been found. He is one of five Teutonia Prag members accused of sedition and possession of Nazi memorabilia, deemed a crime under the German constitution.

Katrin Ebner-Steiner, leader of the AfD group in the Bavarian parliament, accused investigators of pursuing a "politically motivated" agenda and of arresting Halembe "on flimsy grounds".

AfD's support in Bavaria has surged amid rising anger over immigration, inflation and a stagnant economy. The party won 14.6 per cent of the vote on October 8, up from 10.2 per cent in 2018.

The far-right party has previously struggled to gain traction with voters outside its east German heartland. In those same October elections, AfD fared even better in neighbouring Hesse, gaining 18.6 per cent of the vote.

German inflation slows page 2



Wood's Ark embarks on voyage to capture Europe

Seeking to conquer ► PAGE 7

Austria	€4.50	Morocco	Dh50
Bahrain	Dh1.8	Netherlands	€4.50
Belgium	€4.50	Norway	Nkr45
Croatia	Kn33.97/€4.50	Oman	OR160
Cyprus	€4.20	Pakistan	Rupee350
Czech Rep	Kc125	Poland	Zl25
Denmark	Dkr46	Portugal	€4.20
Egypt	E£80	Russia	€5.00
France	€4.50	Serbia	NewD530
Germany	€4.50	Slovenia	€4.20
Greece	€4.20	Spain	€4.20
Hungary	Ft1450	Switzerland	Sfr6.70
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World Markets

STOCK MARKETS				CURRENCIES				GOVERNMENT BONDS			
	Oct 30	Prev	%chg	Pair	Oct 30	Prev		Yield (%)	Oct 30	Prev	Chg
S&P 500	4150.84	4117.37	0.81	\$/£	1.062	1.058	€/\$	0.942	5.05	5.05	0.00
Nasdaq Composite	12766.90	12643.01	0.98	\$/¥	1.216	1.214	£/\$	0.823	4.89	4.85	0.04
Dow Jones Ind	32775.78	32417.59	1.10	€/¥	0.874	0.871	¥/€	1.145	5.06	5.02	0.04
FTSEurofirst 300	1712.50	1705.85	0.39	¥/\$	149.015	149.605	¥/£	158.247	4.77	4.74	0.03
Euro Stoxx 50	4028.32	4014.36	0.35	W/£	181.136	181.687	£ index	80.289	4.73	4.71	0.02
FTSE 100	7327.39	7291.28	0.50	Sfr/€	0.958	0.955	Sfr/£	1.096	5.03	5.03	0.00
FTSE All-Share	3954.67	3933.17	0.55	CRYPTO							
CAC 40	6825.07	6795.38	0.44		Oct 30	Prev	%chg				
Xetra Dax	14716.54	14687.41	0.20	Bitcoin (\$)	34505.95	34534.47	-0.08	JPN 2 yr	0.10	0.08	0.02
Nikkei	30696.96	30991.69	-0.95	Ethereum	1812.92	1795.64	0.96	JPN 10 yr	0.89	0.87	0.02
Hang Seng	17406.36	17398.73	0.04	COMMODITIES							
MSCI World \$	2731.99	2740.96	-0.33		Oct 30	Prev	%chg	GER 2 yr	1.86	1.84	0.02
MSCI EM \$	919.78	910.91	0.97	Oil WTI \$	82.63	85.54	-3.40	GER 10 yr	3.02	3.05	-0.03
MSCI ACWI \$	629.46	630.65	-0.19	Oil Brent \$	86.49	89.20	-3.04	GER 30 yr	2.82	2.83	-0.01
FT Wilshire 2500	5304.96	5334.26	-0.55	Gold \$	1982.90	1975.00	0.40		3.10	3.12	-0.02
FT Wilshire 5000	41300.70	41533.10	-0.56								

Prices are latest for edition
Data provided by Morningstar

ALPINE EAGLE

Chopard

THE ARTISAN OF EMOTIONS - SINCE 1860

INTERNATIONAL

Commodities

World Bank warns of \$150-a-barrel oil

Lender says energy and food costs likely to surge if Mideast conflict escalates

SUSANNAH SAVAGE — LONDON

Crude oil prices might surge beyond \$150 a barrel if the conflict in the Middle East escalates, the World Bank warned yesterday, risking a repeat of the 1970s price shock if producers cut supplies.

In its quarterly commodities report, the multilateral lender said a prolonged Israel-Hamas war could drive rises in energy and food prices in a “dual shock” for commodity markets still reeling from Russia’s invasion of Ukraine.

“The latest conflict in the Middle East comes on the heels of the biggest shock to commodity markets since the 1970s – Russia’s war with Ukraine,” it said.

Under the bank’s baseline forecasts, overall commodity prices are predicted to fall 4.1 per cent in the next year, with oil prices declining to an average of \$81 a barrel, down from a projected \$90 a barrel in the current quarter, as world economic growth slows.

But the report said this outlook could quickly reverse if the conflict in the Middle East intensified. In a worst-case scenario, global oil supply could shrink by 6mn to 8mn barrels a day, sending prices to between \$140 and \$157 a barrel, if leading Arab producers cut

exports. Under small and medium disruption scenarios, prices could hit \$102 to \$121 a barrel. Current global oil demand is about 102mn b/d.

The conflict threatens to spread beyond Israel and the occupied Palestinian territories, with energy analysts warning that global exports could be hit if leading crude producers such as Iran became actively involved.

Benchmark Brent crude prices fell more than 3 per cent to about \$87 a barrel yesterday, having exceeded \$89 after the outbreak of the latest conflict. Crude prices hit a record \$147 a barrel in 2008 on the eve of the global financial crisis.

The World Bank said the global economy was in a better position to with-

stand a supply shock than in October 1973, when Arab members of Opec cut exports to the US and other countries that supported Israel in the Yom Kippur war, quadrupling crude prices.

The Middle East accounts for around 30 per cent of global oil exports, down from 37 per cent in the 1970s.

But 30 per cent is still a big share, warned Ayhan Kose, the World Bank’s deputy chief economist. “When you think about oil prices, what happens in the Middle East does not stay in the Middle East. It has huge global repercussions.”

The report warned that there had not yet been a full recovery from Russia’s invasion of Ukraine in February 2022,

which Kose described as “traumatic for commodity markets”.

He told the Financial Times that a “really negative outcome” will come if an escalation in the Middle East conflict drives a persistent rise in commodity prices, which would unleash “another wave of inflation” and force central bankers to act.

This would have severe consequences for food security in poorer countries that are already facing rising levels of hunger, according to the bank. Increases in oil and gas prices would also drive up shipping and fertiliser costs, making agricultural commodities more expensive.

See Markets

Eurozone

Inflation in Germany at 28-month low as prices fall across Europe

MARTIN ARNOLD — FRANKFURT

German inflation has fallen faster than expected to 3 per cent, its lowest annual rate since June 2021, as a broad-based slowdown in prices brought some relief to consumers in Europe’s largest economy.

September’s deceleration in price growth, which the federal statistical agency said mainly reflected the first drop in energy prices since early 2021, came as separate figures revealed the economy shrank in the third quarter.

The stagnating economy is helping price pressures to cool rapidly after the biggest surge in the cost of living for a generation last year, underlining why the European Central Bank decided to hold its main interest rate at 4 per cent last week after a series of recent rises.

Figures for the wider eurozone to be released today are expected to show inflation in the bloc has fallen to 3.1 per cent this month, down sharply from 4.3 per cent a month earlier and a peak of 10.6 per cent a year ago.

“This likely marks the end of the rapid part of disinflation,” said Salomon Fiedler, an economist at German bank Berenberg, adding that inflation may even rise “again in December before moving on a more gradual downward path towards 2.5 per cent in the second half of 2024”.

The drop in the harmonised index of consumer prices in Germany from 4.3 per cent in September was bigger than forecast by economists, who had predicted a rate of 3.3 per cent in a Reuters poll.

The core rate of inflation, excluding more volatile energy and food prices, fell to 4.3 per cent from 4.6 per cent. Month-on-month inflation turned negative for the first time since May as prices fell 0.2 per cent.

The price drops in tourism and hospitality services could be a leading indicator for a broader trend that the time for bargain-hunters has come,” said Carsten Brzeski, an economist at Dutch bank ING.

There were further signs of an easing in the cost of living crisis that has hit European households. Spanish inflation was below forecast, despite hitting a six-month high of 3.5 per cent in October, while price growth slowed sharply in Ireland and Belgium.

Falling inflation is yet to provide much of a boost to German economic activity, as consumers and businesses continue to grapple with rising borrowing costs, falling house prices and lower exports to China.

German gross domestic product fell 0.1 per cent in the three months to September on the previous quarter, the federal statistical agency said yesterday. That was a milder contraction than the 0.2 per cent drop forecast by economists, but it confirmed Germany’s place as one of the weakest major economies.

Germany’s key manufacturing sector has also been hit by a jump in energy costs linked to a shift from Russian gas imports after Russia invaded Ukraine.

“Despite falling inflation and stronger wage increases, private consumption is unlikely to recover for the time being,” said Jörg Krämer, chief economist at Commerzbank, pointing to a recent fall in already weak consumer confidence.

EU donation

Ghana given 105 military vehicles from seized ship

AANU ADEOYE — LAGOS
HENRY FOY — BRUSSELS

The EU has donated more than 100 armoured military vehicles to Ghana that were originally seized from a ship off the coast of Libya, as part of efforts to shore up the west African nation’s security.

Josep Borrell, the EU’s chief diplomat, formally handed over the 105 vehicles to Ghana’s armed forces on Saturday during a visit to the country.

The military equipment, which includes armoured cars, was seized from a Libya-bound ship last year by an EU maritime task force, two senior EU officials told the Financial Times. The task force inspects vessels suspected of breaching the UN arms embargo on Libya. The EU has not disclosed the origin of the shipment or the previous owners of the cargo.

The donation to Ghana comes as the EU seeks to increase support for friendly states in west Africa amid fears that the decade-long insurgency crisis in the Sahel, the semi-arid strip south of the Sahara, will spill into the relatively peaceful coastal countries in the region.

The transfer of the confiscated vehicles – which were stored in the port at Marseille after being captured as part of one EU initiative and then donated by another – is the first time such a mechanism has been used, according to one of the EU officials, who said member states agreed this was a better outcome than destroying them.

Borrell, who met Ghana’s president Nana Akufo-Addo and senior security officials during the trip, said the vehicles were part of a €20mn support package for the country’s military.

“Further equipment will also be delivered in the future: aerial surveillance, electronic warfare [systems] and river crafts,” Borrell added.

“We are confident that this support will benefit not only Ghana but the entire subregion [of the Gulf of Guinea] as well.”

Sahelian states such as Mali, Burkina Faso and Niger have been battling al-Qaeda and Isis affiliates for more than a decade in a conflict that has killed thousands and displaced millions more.

Li Keqiang
Outpouring of grief for ‘people’s premier’

Hundreds of mourners have flocked to Li Keqiang’s childhood home to pay their respects to the former Chinese premier, creating a potential political challenge for President Xi Jinping.

The popular outpouring for Li, who died suddenly last week aged 68, was mirrored in cities across the country and on Chinese social media, with many contrasting the late premier’s relatively down-to-earth style with that of his more aloof colleagues.

The public outburst of grief for the reformist politician who many saw as the “people’s premier” presented a delicate situation for the ruling Communist party as it contends with a slow economic recovery and geopolitical tensions, analysts said.

“We have a lot of other leaders who are corrupt but he wasn’t one of them,” said one woman who attended the same school as Li and had joined a crowd of mourners, watched over by rows of guards, placing flowers around the home where Li spent part of his childhood in Hefei in Anhui province.

“He cared for the poorest of society,” she added, wiping back tears.

A trained economist who headed Xi’s cabinet for a decade between 2013 and 2023 before he was replaced in March, Li was once seen as a possible contender for president. During his

tenure as premier, China’s second-highest role, Li advocated for market-oriented reform and anti-poverty programmes. But he was gradually sidelined under Xi.

The death of a senior leader is often a sensitive moment for the Communist party, which must balance paying respects to former officials and defining their legacy with preventing the occasion from encouraging protests or an opportunity to draw unfavourable comparisons with the current leadership.

“Sometimes to praise the path not taken is to make a comment on the path that was taken,” said Wen-Ti Sung, a fellow at the Atlantic Council Global China Hub. “For some, Li Keqiang represented a relatively more laissez-faire attitude towards state-society relations, and he stood for allowing more space for societal and market forces.”

Xi faced a similar situation in November when former president Jiang Zemin, who presided over a period of high growth and relative economic openness, died aged 96.

Jiang’s death coincided with the outbreak of “white paper protests” against Xi’s stringent zero-Covid lockdowns, where demonstrators held up pieces of blank paper in an allusion

to censorship and intolerance of criticism of the pandemic controls. Soon thereafter, Xi abandoned the policy.

At Li’s former residence in Hefei, an elderly woman angrily claimed that the provincial and city governments should be doing more to honour Li. Beijing has yet to announce plans for a state funeral.

Bystanders were reluctant to discuss the current government. “We can’t say much because of the overall situation here. All we can say is, people love Premier Li,” the elderly woman said.

At Jiuzi village, an hour and a half from Hefei and the site of Li’s ancestral home, hundreds of people added bouquets to a sea of flowers in front of a simple, thatched-roof farmhouse. One bouquet, donated by a construction company, quoted a line that Li used last year during the pandemic to try to reassure investors that China would not close its doors to the outside world.

“The Yangtze River and Yellow River will not flow in reverse,” it said. “China’s open door will definitely not be closed.”

The card concluded: “Good premier of the people, rest in peace.”
Sun Yu and Joe Leahy in Hefei

Regulation

Biden orders tech groups to share AI safety test results

STEFANIA PALMA — WASHINGTON
GEORGE HAMMOND — SAN FRANCISCO

Companies with artificial intelligence models that threaten US national security will have to share how they are ensuring their tools’ safety, under an order by Joe Biden intended to curb the risks posed by the technology.

The order, which the US president issued yesterday, is the broadest step taken by the administration so far in tackling AI threats, from national security to competition and consumer privacy. The measure seeks to mobilise agencies across Washington, including the departments of commerce, energy and homeland security.

“President Biden is rolling out the strongest set of actions any government in the world has ever taken on AI safety, security and trust,” said Bruce Reed, White House deputy chief of staff.

“It’s the next step in an aggressive strategy to do everything on all fronts to harness the benefits of AI and mitigate the risks.”

The order comes as countries across the world grapple with how to regulate AI companies and models not captured

by individual watchdogs. Gary Gensler, chair of the US Securities and Exchange Commission, told the Financial Times recently that a financial crisis was “nearly unavoidable” within a decade if regulators failed to manage AI risks.

The measures come two days before vice-president Kamala Harris, the Biden administration’s AI tsar, is set to give a speech in London about US policy, before attending the UK’s Blethley Park summit, where world leaders and tech company executives will discuss potential ground rules for the development of “frontier AI”.

The EU has moved rapidly, drafting tough measures over the use of the technology in a groundbreaking law that is set to be fully approved by the end of the year. But the US is still assessing which aspects of it require new regulation and what is subject to existing statutes.

Leading industry figures, including OpenAI co-founder Sam Altman, have toured the globe this year to discuss the potential impact of the tools they are developing. Altman and others have struck a conciliatory tone with regulators but resisted calls to stall or slow the development of AI. In May, Altman said

his company could “cease operating” in Europe if Brussels’ efforts to regulate the technology were overly stringent. He later withdrew the comments.

Biden’s order escalates US AI policy after 15 companies – including Amazon, Google, Meta, Microsoft, and OpenAI – made voluntary commitments this year to manage the risks.

The White House will use the Defense Production Act, a cold war law used at the peak of the pandemic, to compel businesses developing AI models posing serious risks to national security, economist of “frontier AI”.

“The White House will use the Defense Production Act, a cold war law used at the peak of the pandemic, to compel businesses developing AI models posing serious risks to national security, economist of “frontier AI”.

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Security move: President Joe Biden aims to ‘mitigate the risks’ from AI

economic security or public health to notify the government when training these systems and to share their safety test results. To date, companies vying for AI dominance have typically preferred to keep the designs of their models private.

“If organisations don’t adhere to that law, we could bring Department of Justice actions in appropriate manner to enforce that,” said the senior official. But he stressed that these requirements would “primarily” capture the next generation of the world’s most powerful AI tools and would not “catch any system currently on the market”.

Under the order, the commerce department must craft guidance on adding watermarks to AI-generated content in a bid to tackle “fraud and deception”, including deepfakes.

The order addresses privacy risks, urging Congress to pass data privacy legislation while seeking an assessment of how agencies collect and use “commercially available information”. It also calls for measures to curb harms caused by AI on workers and medical patients as well as “algorithmic discrimination” in housing, healthcare and justice.

Elaine Moore sees Opinion

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INTERNATIONAL

Fresh Russian offensive targets key eastern city ahead of winter

Moscow suffers heavy losses of troops and equipment in battle for Avdiivka

CHRISTOPHER MILLER — KYIV

While much of the world's gaze turned to the conflict in the Middle East, Russia launched a ground offensive in Ukraine, seeking to gain momentum in a war that has devolved into a gruelling fight of attrition.

For more than two weeks, Russian forces have zeroed in on the eastern industrial city of Avdiivka, using so-called human waves, air-dropped bombs and heavy artillery to try to overwhelm Ukrainian forces and encircle them. If successful, this offensive would mark a rare battlefield victory for Russia this year.

US and Ukrainian officials estimate that Russia has deployed at least three battalions with thousands of soldiers in the fight for Avdiivka, which started on October 9 and comes at a crucial moment as both sides seek to seize the initiative before winter sets in and temperatures plunge below freezing.

The Russian offensive threatens to draw Ukrainian attention and resources away from its counteroffensive in the south, where Kyiv still hopes for a breakthrough after months of limited success against Russia's heavily fortified defences.

Ukrainian officials and military analysts say the offensive, which is Russia's largest since February, has come at huge cost, with Russian forces suffering huge

'We have information the Russian military has been executing soldiers who refuse to follow orders'

losses in manpower and weaponry for the small gains they were able to make.

According to Ukraine's military, some 5,000 Russian soldiers have died or were injured near Avdiivka in the past two weeks, with more than 1,000 personnel, 55 tanks and 120 armoured fighting vehicles lost on October 19 alone. Figures could not be independently verified by the Financial Times.

But Ukrainian armed forces posted several videos showing the destruction on the Russian side, including footage of Ukrainian suicide drones and artillery hitting infantry soldiers and destroying dozens of tanks and other weaponry.

White House National Security Council spokesman John Kirby said on Thursday that Russia suffered "thousands of casualties in their effort to conduct this offensive" as it throws swarms of untrained soldiers into the fight.

"We have information that the Russian military has been actually executing soldiers who refuse to follow orders . . . [or] seek to retreat from Ukrainian artillery fire," Kirby said.

As was the case during Moscow's previous winter offensive, Kirby added, Russian forces appear to again be employing "human wave tactics", when troops storm head-on in repeated surges to overrun frontline positions.

Ukrainian president Volodymyr Zelenskyy told UK prime minister Rishi Sunak during a call on Friday that Russia had lost "at least a brigade" trying to besiege and capture Avdiivka.

"Our soldiers stopped them and pushed them back, causing painful losses," Zelenskyy said. He added that he expected the attacks to continue and "Russia will continue to try to occupy the entire Donbas", referring to the eastern regions of Donetsk and Luhansk.

General Oleksandr Syrskyi, commander of Ukraine's ground forces and

architect of last year's successful counteroffensive, described the current conditions along the 600-mile front line as "difficult" and "challenging". His troops were also facing Russian attacks around Bakhmut, the city captured by Wagner troops in May after 10 months of relentless fighting, he told Ukrainian media.

Kirby noted that Russian forces had also stepped up attacks in the north-eastern towns of Lyman and Kupiansk, both of which had fallen under Russian control in the first weeks of the full-scale invasion before being retaken by Ukraine last autumn. In recent weeks, Russian artillery has pounded both towns, further reducing them to rubble.

Avdiivka had a prewar population of 30,000 people, including some 2,000 employees who worked at the city's coke factory. The factory is now closed and its employees evacuated. The city has been in Russia's crosshairs since the war in eastern Ukraine first broke out in 2014. Several civilians were killed by Russian artillery barrages in 2017 but Ukrainian forces did not cede ground.

Dubbed "the gateway to Donetsk" as it sits just five miles north-west of the regional capital, which was captured by Russia in 2014, Avdiivka has been crucial to Ukraine's efforts to keep pressure on Russia's supply lines in the area.

Positioned in a tight crescent around Avdiivka, Russian forces first attacked from the north-west near the village of Krasnohorivka and south-west near the villages of Sieverne and Opytne.

"Russian gains have been modest over the past two weeks and with high costs, but the problem is that Russia controls the flanks of the city," said Rob Lee, a senior fellow at the Foreign Policy Research Institute.

Particularly worrying is the fact the Russians have managed to narrow the gap allowing Ukrainian troops to enter and leave the city to just 7km. "Even further advances of one to two kilometres from the flanks could make it more difficult to resupply the city," Lee said.

A Ukrainian reserve officer who operates the analytical group Frontelligence Insight said Russian forces had been using air-dropped bombs to severely damage Avdiivka, including its civilian infrastructure.

Konrad Muzyka, director of Rochan Consulting, a Poland-based group that tracks the war, said Russia's overall objective in Avdiivka was to gain access to the M-04 highway and restore train traffic on the Yasinovata-Donetsk railway line that was severed in 2014. That could allow Russia another supply route for its forces further south. "Without a properly functioning logistic system, the Russian ability to sustain its forces in the Donetsk and Zaporizhzhia [regions] may face some hurdles during the upcoming winter," he added.

Some observers and analysts fear the situation in Avdiivka could turn into another Bakhmut — a gruelling, months-long battle that turned the city into a hellscape.

Zelenskyy and Ukraine's top military brass justified the decision to defend Bakhmut to the bitter end by arguing they managed to also force Russia to use up crucial munitions and tie up its best units. With Ukraine putting up a strong defence of Avdiivka, Russia will almost certainly need to pour in even more resources.

Kirby said the US expected more Russian assaults. "This is a dynamic conflict and we need to remember that Russia still maintains some offensive capability and may be able to achieve some tactical gains in the coming months."



'Our soldiers stopped them and pushed them back, causing painful losses'

War damage: a woman stands with her cat on the balcony of a partially destroyed building in Avdiivka. Below, a statue of a Soviet soldier remains intact after a Russian rocket strike

Viola Liberova/Libkos/Getty Images; Kostya Liberov

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ISRAELI-PALESTINIAN CONFLICT

IDF advance

Israeli forces push into Gaza as first hostage rescued

Soldier freed from captors amid 'systematic progress one step at a time'

JAMES SHOTTER AND GUY CHAZAN
JERUSALEM
MAI KHALED — GAZA

Israeli ground forces drove deeper into the Gaza Strip, rescuing a hostage held by Hamas, as the war threatened to escalate on multiple fronts.

The Israeli military said yesterday that it had deployed additional "infantry, armour, engineers and artillery" in Gaza and had killed dozens of Hamas militants in the territory, while Palestin-

ians said Israeli forces had reached the outskirts of Gaza City.

At a time of mounting concern about the fate of more than 250 hostages captured by Hamas, Israeli military and intelligence authorities said an Israeli soldier, Ori Megidish, had been freed during ground operations by the Israel Defense Forces.

At the start of a war cabinet meeting, Benjamin Netanyahu, Israeli prime minister, said the IDF was expanding its presence in Gaza "in measured, very powerful steps, making systematic progress one step at a time".

He added: "Calls for a ceasefire are a call for Israel to surrender to Hamas, to

surrender to terror, to surrender to barbarism. That will not happen."

Megidish is the first hostage to be rescued to date, although Hamas released four abductees last week. Hamas released a video of three other hostages in what Netanyahu described as an act of "brutal psychological propaganda". In the video, a woman identified as Danielle Aloni, a 44-year-old from the town of Yavneh, said Palestinian prisoners should be released by Israel to allow her and the captives to return home.

Netanyahu, who has been criticised by the families of some hostages, later said Israel was "doing everything to return the hostages and missing home".

The death was also confirmed of Shani Louk, a 22-year-old German-Israeli woman believed to have been abducted by Hamas.

The IDF said it was ratcheting up its activities in Gaza, although it declined to provide details of troop locations.

However, footage posted online appeared to show an Israeli tank and bulldozer on the outskirts of Gaza City on Salah al-Deen Road, the main inland

north-south axis in the territory. Bashar, a freelance cameraman travelling with the person who filmed the video, said the tank had shelled a private car in front of them as well as a "small bus".

The IDF says it has hit more than 600 targets in Gaza in recent days, including weapons depots. The UN's humanitarian arm said yesterday that some strikes over the weekend had been in the vicinity of hospitals. Israel has also severely limited supplies of electricity, water, fuel and food to the enclave, prompting aid agencies to warn of a burgeoning humanitarian catastrophe.

US secretary of state Antony Blinken

spoke to Qatari prime minister Mohammed bin Abdulrahman Al Thani yesterday about the humanitarian crisis in Gaza and efforts to release the hostages.

Diplomats are seeking to prevent the hostilities from spilling over into a broader regional conflict, with the US warning Iran and its proxies to stay out of the fighting.

But Israel's air force bombed "military infrastructure" in Syria overnight after rockets were launched from the country, and one of its jets targeted militants in the city of Jenin in the West Bank. Palestinian health ministry officials said four Palestinians had died.

See [The FT View/Opinion/Lex](#)

Dwindling resources

Enclave doctors operate without anaesthetics

MAI KHALED — KHAN YOUNIS
HEBA SALEH — CAIRO

Omar Ahmed was injured in an Israeli strike. The 25 year-old's treatment at the Nasser hospital in Khan Younis, southern Gaza, is the story of a medical system close to collapse.

During his five days on the ward, he has never had a moment without pain. His burns were cleaned without anaesthetic and he was left to recover with painkillers that "are not strong enough".

The overcrowded room he shares with five other serious burns patients has power cuts for long periods. Without cooling, the heat made him sweat, which he said inflamed his wounds.

His stay may be cut short. "The hospital asks people to leave when they are 60 or 70 per cent cured," said Ahmed, whose leg was also broken in a blast as he tried to flee northern Gaza. "I don't know what I would do if I had to go."

The 350-bed Nasser hospital in Khan

'We cannot deal with difficult cases or where there is no hope of saving a life'

Younis is no outlier. After three weeks of heavy Israeli bombardment, medical services in Gaza are on the brink. But exhausted staff are doing what they can with the fast-dwindling resources.

Israel has cut mains electricity to Gaza and the Nasser hospital is low on fuel for its generators. Medical supplies are also running out. Surgery is sometimes performed without routine anaesthesia, say doctors. The priority is to keep stocks in reserve for difficult cases.

"We have performed C-sections on pregnant women who were injured in the bombardment without anaesthesia and we have also had to clean up severe burns without it," said Nahhed Abou Taima, director of the Nasser hospital. "We are extremely short [of supplies]."

Taima fears that the fuel needed to keep the generators going is also running low. "We need between 200 and 300 litres every hour. We get what we can from petrol stations, but we can run out any minute," he said. The generators are also at risk of breaking down.

About 2.5mn people are packed into Gaza, living under what UN officials call disastrous humanitarian conditions. Ashraf al-Qudra, from the Hamas-run health ministry, said 12 hospitals and 32 medical facilities had been shut since the conflict started this month.

"The fact that hospitals remain open does not mean they are capable of offering services to the floods of injured and sick who go there," said al-Qudra.

Israel has also issued evacuation orders for some hospitals, including Dar al-Shifa in Gaza City, that are still running, claiming that the medical sites are used by Hamas as military staging posts.

Médecins Sans Frontières, the international medical charity, described the demands on an already overwhelmed hospital system as "impossible and dangerous". The International Federation of Red Cross and Red Crescent Societies said it was "deeply alarmed" by reports that medical teams at al-Quds hospital in Gaza City had been ordered to immediately evacuate.

"Evacuating patients, including those in intensive care, on life support and babies in incubators, is close to, if not impossible in the current situation," the IFRC said. "Our teams also report violent attacks and shelling close to the hospital, further endangering people."

More than 8,000 Palestinians have been killed by Israeli strikes on Gaza, the health ministry claims. Israel launched the retaliatory strikes after Hamas militants killed at least 1,400 Israeli civilians and soldiers on October 7, according to the government.

At the Nasser hospital, ambulances deliver the wounded to an emergency department so overwhelmed that doctors treat patients on the floor. Many are covered in dust and ashes after being pulled from bombed homes.

Adults carry in wounded children crying or shaking from shock. Families learn of the death of relatives. The injured scream with pain.

During Israel's heaviest night of bombing last Friday, communications were cut across the territory. Ezzeddin Mekheimer, an ambulance worker at Nasser hospital, said delays in reaching injured people on that night "definitely added" to the number of deaths.

"We just headed in the direction of smoke plumes or fires," he said. "Sometimes people who brought the wounded in cars told us where to go."

Ashraf al-Shanty, another paramedic, said nothing he had seen in past conflicts had been as intense. "We go to places that have been bombarded to find entire families killed or injured."

Hospital director Taima said they had had to squeeze in an extra 100 beds to cope. The surgery department has also been expanded. "Eighty per cent of our beds now are for surgery," he added. "There isn't a single empty bed."

The hospital has also had to expand its intensive care to help the severely injured. "Anyone who comes now with a heart attack has to be treated in an ordinary room without the necessary equipment," said Abd Rabbo al-Atrush, head of the intensive care unit.

"We cannot deal with difficult cases or where there is no hope of saving a life."

Military. Strategy



Hard-hitting: Israeli tanks and bulldozers take part in manoeuvres inside the Gaza Strip on Sunday — Evelyn Hockstein/Reuters

Tactics of caution and minimising losses guide Israel's ground offensive

Limited initial foray means troops can more easily be provided with air support

FT REPORTERS

Israel responded to Hamas's assault on October 7 with the biggest mobilisation in the nation's history, but when its tanks and troops finally entered Gaza at the weekend, it was not the full-scale invasion some had expected.

Current and former officials said the seemingly limited scope of Israel's initial incursion, which Prime Minister Benjamin Netanyahu has dubbed the "second stage" of Israel's war with Hamas, reflected a complex mix of factors. But above all, Israel wanted to maximise its firepower advantage over Hamas and minimise its own casualties, while attempting to avoid drawing other adversaries into the war.

On a tactical level, the smaller than expected footprint meant ground troops could more easily be provided with close air support; crucial cover for entering parts of northern Gaza where Hamas has spent years preparing defences, according to one person familiar with Israel's battle plans.

"We are not taking any chances," said Amir Avivi, former deputy commander of the Gaza Division of Israel's military. "When our soldiers are manoeuvring we are doing this with massive artillery, with 50 aeroplanes overhead destroying anything that moves."

Officials say the fighting in Gaza will be intense: Hamas has trained for urban combat and has built a network of tunnels, dubbed the Gaza Metro, which helps move fighters and weapons undetected. The militants also have an arsenal of anti-tank weapons and improvised explosive devices.

In a taste of battles to come, Israel's military on Sunday engaged with Hamas militants who emerged from a tunnel near the Erez border crossing.

"The only thing worse than combat in urban terrain is combat in the rubble of urban terrain. There are so many places where they can hide and carry out ambushes," said Eyal Hulata, who was head of Israel's National Security Council until earlier this year.

"When the Israeli military becomes static, they are more vulnerable. That's why you see them in slow but constant movement, [being] very careful in securing the places they are already in."

The Israel Defense Forces has been tight-lipped about the deployments for one of its most important operations in decades, but officials say the gradual build-up of forces aims to reduce the likelihood of Hizbollah, the Iran-backed Lebanese militants that fought with Israel in 2006, joining the conflict.

Committing fewer troops in Gaza would also mean manpower could be deployed more easily to the north if Hizbollah, which has been engaged in escalating cross-border skirmishes with Israeli forces, did enter the war, said a person familiar with Israel's plans.

"The messaging for the Israelis [on the land offensive] is very deliberate," said a western diplomat. "They have been worried that Hizbollah and Iran might see the land invasion as a trigger for some sort of escalation, that's why they have not called it a land invasion."

The limited initial incursion was also a reflection of Netanyahu's pledge to destroy Hamas and remove it from Gaza being too big to complete quickly, said Yaakov Amidror, a fellow at the Jewish Institute for National Security of America and ex-national security adviser.

"The goal is not a tactical one that we will achieve tomorrow," he said, adding that he expected the operation to last between six months and a year.

"What you are seeing is cautiousness on a tactical level — why should we lose more soldiers than necessary? — and an understanding that the goal is so big that it cannot be achieved in the next week."

Others think the scale of the initial foray is a sign that Israel is aiming for something less ambitious.

"It seems that their aims are short of completely eliminating Hamas from Gaza. It seems instead they are in the space of wanting to degrade both the military infrastructure and kill the leadership," said one western diplomat. "But they still have not really spelt out what the end objective is, maybe because they haven't really worked it out."

Israeli officials insist they will not be swayed by international pressure to rein in their armed forces before they have decisively defeated Hamas, whose militants killed more than 1,400 on October 7, the government has said. Ministers also add the initial incursions will raise pressure on Hamas to release the more than 230 hostages captured that day.

"In this war there is no 'diplomatic hourglass', but an operational clock and a human commitment for the return of the kidnapped," Benny Gantz, a mem-

ber of Israel's war cabinet, said on Saturday. "We will listen to our friends, but we will do what is right for us."

Others are less sure. Former prime minister Ehud Olmert, who oversaw major ground operations in Gaza and Lebanon, said Israel probably had less time than the war cabinet believes to realise its goals, given the images of destruction emanating from Gaza.

Israeli strikes have killed 8,005 in Gaza and injured more than 20,000, claim Palestinian officials. The UN has warned that Israel's decision to severely restrict supplies of electricity, fuel, water and goods to Gaza has brought it to the brink of a humanitarian collapse.

"The time is shorter than [the war cabinet] think," said Olmert. "Until now, [the US] gave us 'presents'. In future, they may give us orders."

Israel's initial moves into Gaza came near Beit Hanoun in the north of Gaza and Bureij in the centre. Analysts say the approach suggests Israel may try to slowly surround Gaza City, which Israeli officials claim is the base for much of Hamas's military infrastructure.

Amos Harel, a military correspondent and author of a book on the Israeli-Palestinian conflict, said Israeli forces had moved 3km to 4km inside Gaza, but were not yet engaged in urban combat. "The logic seems to be to apply pressure, force Hamas fighters out [of their tunnels] and then strike them," he said.

The person familiar with Israel's battle plans said that as of Sunday morning the resistance Israel had encountered had not been "major" and it was unclear why Hamas had not fired more anti-tank missiles at the IDF's armoured vehicles as they entered Gaza.

But others cautioned against reading too much into Hamas's response at this early stage, especially since Israel's intelligence misjudged the group's capabilities and intentions earlier this month.

"Everything that has happened since October 7 has been a huge surprise," pointed out Hulata.

"So I would be very careful in making assessments of what Hamas can and cannot do."

Reporting by James Shotter in Jerusalem, Neri Zilber and Mehul Srivastava in Tel Aviv, and Andrew England in London

Contracts & Tenders



Invitation to a Tender (ITT) for the Supply of Commissioning Cargo and Relevant Services at Alexandroupolis INGS for the construction of the Alexandroupolis Independent Natural Gas System (Alexandroupolis INGS) Project.

The Project is being developed by the Greek utility company GASTRADE S.A. and comprises an offshore floating, storage and regasification unit ("FSRU") for the reception, temporary storage and regasification of LNG, a spread mooring system and a system of a HP subsea and onshore gas transmission pipelines, through which natural gas will be delivered to the Greek Transmission System ("NNGTS") and onwards to the final consumers.

The FSRU will be located in the sea of Thrace, 17.6 km SW of the town of Alexandroupolis in NE Greece at an offshore distance of approximately 5.4 n.m. (10 km) from the nearest shore. For the Terminal to become operational, quantities of LNG must be injected into the Terminal and the NNGTS, to be used for the testing and commissioning activities. The Supplier will provide the Company with the Services of such activities.

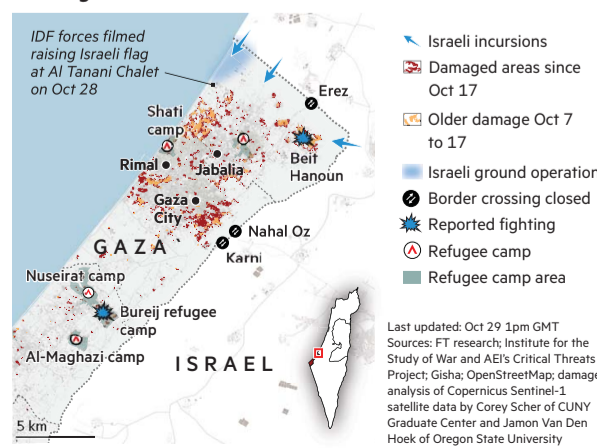
The Project is expected to be financed through own resources with co-financing from public funds. Public funds will be provided through the Greek Public Investment Programme (codes: 2021EE17510003 and 2021EE175100040, partly through national participation and partly through the European Regional Development Fund (ERDF), within the 2014-2020 programming period and under the Operational Programme "Competitiveness, Entrepreneurship and Innovation 2014-2020 (EPANEK)".

Commercial Operation Date for the Project is planned for Q1 2024.

Participants wishing to submit their proposals in this Tender are kindly requested to send an email to lyssarisidis@gastrade.gr and v.galiotou@gastrade.gr to the attention of Mr. Iraklis Lysarisidis in order to receive the Tender Documents.

Deadline for receipt of proposals is: 05/12/2023, 12:00 CET

Israel's ground offensive in Gaza so far



Last updated: Oct 29 1pm GMT
Sources: FT research; Institute for the Study of War and AEI's Critical Threats Project; Gisha; OpenStreetMap; damage analysis of Copernicus Sentinel-1 satellite data by Corey Scher of CUNY Graduate Center and Jamon Van Den Hoek of Oregon State University

Companies & Markets

Beijing stalls \$69bn tie-up of Broadcom and VMware

- Groups expect deal to close 'soon'
- US-China friction linked to impasse

BY FT REPORTERS

US chipmaker Broadcom and cloud software company VMware have delayed completion of their \$69bn merger, which had been scheduled to close yesterday, as they await approval from China.

The companies said they maintained their "expectation that Broadcom's acquisition of VMware would close soon, but in any event prior to the expiration of their merger agreement", which set a deadline of November 26.

Chinese regulators have considered holding up the deal, announced in May 2022, after the US tightened rules to block Chinese access to high-performance semiconductors.

'Never before has there been such uncertainty over the fate of such a large acquisition'

Broadcom and VMware did not mention China directly but said they expected to "close [the] transaction promptly following satisfaction of [a] remaining condition". China was not listed among the territories that have approved the deal, which include the EU, Japan, South Korea and the UK.

There was "no legal impediment to closing under US merger regulations", indicating that US antitrust authorities had not objected. That leaves China as the last big market from which Broadcom is yet to receive approval.

People close to the matter in China have said geopolitical friction between Washington and Beijing hung over the deal's approval.

Ahead of the deadline, both companies had proceeded as if closing was imminent. VMware shareholders last

Monday faced a deadline for deciding to take payment in Broadcom shares or cash of \$142.5 per share at closing, and about 96 per cent chose Broadcom shares.

These shareholders have in effect been unable to touch their shares since then and trading in VMware shares has dried up to a fraction of its regular volume.

Shares in Broadcom and VMware were broadly flat in early afternoon trading yesterday.

Mark Kelly, chief executive of MKP Advisors, an advisory company, said yesterday's statement was the "first public admission by the companies that they cannot close as planned".

He added: "Never before has there been such uncertainty over the fate of such a large acquisition so close to a supposed deadline for it to be closing."

The delay will leave investors hoping that a thaw in US-China relations could open a path to approval. Xi Jinping, Chinese president, is expected to meet Joe Biden, his US counterpart, in San Francisco next month for the Asia-Pacific Economic Cooperation summit.

China's State Administration for Market Regulation did not respond to requests for comment.

Moving forward without China's approval could be highly damaging for Broadcom. The San Jose group derives about a third of its revenue from shipments to China and lawyers say it could face fines of up to 10 per cent of revenues for closing without China's sign-off.

In 2018, Donald Trump, then US president, blocked Broadcom's \$142bn bid for Qualcomm, the chipmaker, citing national security concerns.

Reporting by Tim Bradshaw, Arash Masoudi and Maxine Kelly in London; Cheng Leng and Qianer Liu in Hong Kong; Ryan McMorro in San Francisco; and Ding Wenjie in Beijing

Return to sender Deutsche Bank to close almost half of Postbank's branch network



Deutsche says it will significantly improve Postbank's digital offering while closing branches — Schoeningh/Alamy Stock Photo

OLAF STORBECK — FRANKFURT

Deutsche Bank is preparing to axe almost half its Postbank branches as Germany's biggest lender embarks on a shake-up of the group's lacklustre retail operations.

Claudio de Sanctis, Deutsche's new head of private banking, said the lender planned to close as many as 250 of Postbank's 550 remaining branches over the next two years.

Postbank, which serves Germany's mass retail market, has been a problem for Deutsche since it took full control of the group in 2010. The decision to make deep cuts to the branch network comes as the bank tries to appease angry customers after a botched IT migration disrupted services over the summer.

De Sanctis insisted that Deutsche would significantly improve Postbank's digital offering. With 19mn customers, Deutsche is one of Ger-

many's largest retail banks but the business has historically been a drag on the overall group's performance.

While higher interest rates have recently helped the retail business, Deutsche has resolved to make changes. Its separate network of Deutsche-branded branches will also be scaled back, said de Sanctis, while declining to say how many would go.

Despite a deep-rooted habit of using cash in Germany, the country's dense network of branches has shrunk by 43 per cent over the past decade as customers move online. Lenders have closed more than 15,000 branches since 2013.

The drawn-out and messy migration of Postbank's 12mn customers to Deutsche's IT platform, which finished over the summer, has injected greater urgency into efforts to improve online banking.

Shortly after the migration was completed, thousands of Postbank

customers were locked out of their accounts and the bank's helplines were overwhelmed. Germany's financial watchdog BaFin rebuked the lender over the failures and has installed a special monitor to oversee how it fixes the issues.

"At the moment, we're dealing with a peak of problems that is going to be resolved by the end of the year," said de Sanctis, adding the bank had already made "significant progress".

De Sanctis previously ran Deutsche's wealth management business before being appointed to lead its retail operations earlier this year.

Many Postbank branches have long been unprofitable but Deutsche was unable to close them because of a long-term contract with postal service Deutsche Post DHL, which previously owned Postbank. Deutsche has renegotiated the contract with Deutsche Post DHL, which means it can cut the branch network by mid-2026.

BlackRock warns mining aversion will hit transition

HARRY DEMPSEY

BlackRock, the world's largest asset manager, has warned that investor reticence towards mining risks starving the sector of capital and stymying the energy transition by creating shortages of metals vital for green technologies.

Evy Hambro, global head of thematic and sector-based investing at the US group, said funding needed to flow into the industry to ensure an adequate supply of materials for products from wind turbines to electric cars as well as to upgrade power grids. "If people don't give this sector a chance, then the energy transition is going to be impeded by the scarcity of materials to build everything required," he said.

The mining sector remains unloved by investors despite record profits for many big companies last year, and despite expectations of a boom in demand for metals such as copper, iron and nickel to supply the technologies and infrastructure required to reduce the world's dependence on fossil fuels.

Valuation multiples for miners have been languishing, according to Hambro. BHP, Rio Tinto, Glencore, Anglo American and Vale have an average price to forward earnings ratio of 8.5 times versus 18.5 for the S&P 500, according to S&P Capital IQ and Refinitiv.

"The further you get away upstream from the renewable power companies, the lower the multiples go," said Hambro. "But you can't have the renewable power companies... without everything upstream of them. There's this massive gap in valuation."

Mining companies are often excluded from environmental, social and governance investment frameworks but the sector's contribution to decarbonising the global economy has been "overlooked", said Hambro, who co-manages the BlackRock World Mining Trust.

Many investors are still wary of the sector because of its inherently cyclical nature and since the industry squandered billions of dollars on ambitious projects and takeovers during the commodities boom to feed the rise of China during the 2000s.

The New York-based asset manager yesterday warned in a report that metals needed for the "monumental" shift from an economy based on fossil fuels to a green system had been vastly underestimated. "The demand for metals and materials is poised to surpass all prior estimates," it said.

Success of a Goldman alumnus highlights bank's talent challenges

INSIDE BUSINESS
FINANCE

Sujeet Indap



David Solomon started at Goldman Sachs in 1999, joining in his mid-30s from the scruffy Bear Stearns, as a partner in the junk bond group of the investment bank he now runs. Alan Waxman came to Goldman's 85 Broad Street headquarters a year earlier with an undergraduate degree from the University of Pennsylvania. Their career journeys since the late 1990s have developed in an intriguing way.

Waxman is the co-founder and chief executive of Sixth Street Partners, the private capital firm he launched in 2009 after his Goldman departure and that now manages more than \$70bn. Sixth Street just acquired GreenSky, a consumer lending business, from Goldman for a song, less than \$500mn.

The deal marked comprehensive retrenchment in Goldman's main street ambition — the bank had bought GreenSky for \$1.7bn at the closing price for the deal last year, in a move championed by Solomon himself.

Solomon's tenure can be characterised as rocky, at best. Turnover of staff at Goldman Sachs is common but the pace of senior departures in recent years has struck even jaded Wall Street hands as unusually brisk.

More generally, with the rise of private capital and Silicon Valley, the top brains in finance, whether young or

seasoned, have increasingly compelling options outside big banks, which are facing the unyielding demands of regulators, politicians, shareholders and the general public.

Shareholders of Goldman Sachs could fairly wonder if they would have preferred to have kept Waxman instead of Solomon. But the related question is: if someone had the obvious talent of Waxman, why would they want to ply their trade at Goldman Sachs for decades? Are the big banks then otherwise stuck with a pool of executives who simply could not get a better job elsewhere?

This may be a false dichotomy. Waxman starred in Goldman's famed special situations group that managed distressed debt and made complex loans. He left Goldman just as it became a bank holding company and before the introduction of the Volcker rules on proprietary trading — changes that tamped down on risky activities. Sixth Street itself then has benefited from growth in so-called shadow banking that happens outside the traditional banking regulatory oversight.

An executive at a big bank is probably better suited for somebody who is interested in taming complex organisations, managing risk diversification and gladdening disparate constituencies.

James Gorman of Morgan Stanley and Jane Fraser of Citigroup are former McKinsey management consultants. JPMorgan's Jamie Dimon got his start out of business school wheeling and dealing in regional banks as the apprentice of Sandy Weill.

One longtime Goldman executive now in private equity said being a

successful banker or trader was far different to being an effective manager, even if usually one could rise to a leadership post only by first being a respected producer. Solomon, as previous head of investment banking for Goldman, maintained its dominance in securities underwriting as well as mergers and acquisitions advisory.

"Alan could never run the 45,000 people at Goldman," said this person, who maintained he was a huge admirer of Waxman's accomplishments. "He is an investor first."

Waxman would probably not want to be, either, given that Sixth Street investment returns have made him a tycoon without any byzantine bureaucracy to master. The Sixth Street founder recently poached from Goldman a former close colleague, Julian Salisbury, who like Waxman, is a highly accomplished investor. Waxman declined to comment.

Goldman insiders dispute any talent deficit. One 30-year veteran said that its core trading and investment banking businesses were more profitable and dominant than ever. Moreover, the level of commercial and social prestige from carrying a Goldman business card remained unmatched by almost any other employer. This insider also noted wryly that there were plenty of Goldman veterans who had underwhelmed professionally after leaving the firm.

Still, among the important tasks of any chief executive is the allocation of shareholder capital. And in the GreenSky transaction, Waxman will almost certainly get the better of Solomon, though perhaps it will be of some comfort to Goldmanites that the Sixth Street founder is an alumnus of a bank that taught him much of what he knows.

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COMPANIES & MARKETS

Banks

HSBC sees end to China property woes

Chief says worst is over for stricken sector as lender announces \$3bn buyback

KAYE WIGGINS AND HUDSON LOCKETT
HONG KONG
STEPHEN MORRIS — LONDON

The chief executive of HSBC said he believed China's property sector has hit its lowest ebb and can begin to recover, even as banks take hundreds of millions of dollars in charges over their exposure to a crisis in the sector.

Speaking as the bank announced its third-quarter earnings, which included a \$500mn provision related to commercial property in mainland China, Noel

Quinn said Beijing's most dramatic actions to rein in excesses in the industry were over. "If you look at the policy correction that took place . . . they went very deep and hard over a short period of time," he said. "The sector itself has bottomed and it now has to recover from that new lower position."

"Does that mean that there aren't any further issues to emerge? No, there's always a risk of some developers having further problems," Quinn added.

China's real estate sector tipped into crisis two years ago when indebted developer Evergrande defaulted.

HSBC has twin bases in the UK and Hong Kong, which gives it closer ties to China than other western banks. It has

\$13.6bn in total exposure to commercial real estate in the country. Last week, HSBC's smaller rival Standard Chartered announced higher than expected charges, largely due to its China exposure, causing its shares to tumble.

Separately, HSBC yesterday announced a further \$3bn in share buybacks as it continued to benefit from higher global interest rates.

The London-listed lender reported pre-tax profit of \$7.7bn, less than the \$8.1bn analysts had estimated due to higher than expected costs, though still far greater than the \$3.2bn profits of a year earlier. The shares fell 2.3 per cent.

"We have had three consecutive quarters of strong financial performance,"

said Quinn, adding that the bank's "good broad-based growth" was "supported by the interest rate environment".

The latest buyback means HSBC has pledged to repurchase \$7bn of stock this year and paid three quarterly dividends of 10 cents a share. The returns to shareholders have addressed a key concern of its largest investor, Chinese insurer Ping An, which had been agitating for the group to break itself up.

Ping An suspended its campaign after other shareholders rejected its proposals at the bank's annual meeting in May.

HSBC, one of the world's largest banks with \$3tn of total assets and \$1.6tn of customer deposits, has been a big winner from higher interest rates, which

have helped it earn more on the difference between what it pays on deposits and what it charges to lend.

HSBC did make strategic concessions in the wake of Ping An's challenge, and is close to selling businesses in several countries on the periphery of its network. The \$10bn sale of its Canada unit to Royal Bank of Canada, and the disposal of its French retail business to US private equity group Cerberus, are both due to be completed early next year.

Andrew Coombs, Citi analyst, said the buyback was "encouraging", but noted expenses were set to rise more than expected because of tech investments and integration costs related to the rescue of Silicon Valley Bank UK in March.

Technology

Western Digital to split after ending merger talks with Kioxia

TIM BRADSHAW — LONDON

Western Digital has announced plans to split in two, more than a year after activist investor Elliott Management pushed the US data storage company to make such a move.

The \$14bn tech group said yesterday it would spin off its flash memory unit from its hard drive business. The announcement comes days after it emerged that Western Digital had abruptly abandoned long-running merger talks with Kioxia of Japan, formerly Toshiba's semiconductor unit, which is owned by a consortium led by Bain Capital.

South Korean chipmaker SK Hynix, another investor in the Kioxia consortium, said last week it opposed a merger with Western Digital, dealing a blow to Bain's ambitions to create a US-Japan memory chip champion.

Shares in Western Digital, which fell as much as 16 per cent on Thursday after news broke on its Kioxia talks, were up 8 per cent in early afternoon trading yesterday.

Silicon Valley-based Western Digital has spent more than a year conducting a strategic review after shareholder Elliott wrote to its board urging it to consider a split in May 2022. It reached a settlement with Elliott in June last year.

The plan to spin off the flash memory unit from the hard drive business will 'unlock significant value'

The group said its plan to form two independent public companies would "unlock significant value" for shareholders and "also provides strategic optionality for both businesses". The transaction is expected to be completed in the second half of 2024.

David Goeckeler, Western Digital's chief executive, said that spinning off its flash business was "the best executable alternative at this time", after evaluating "material opportunities for each of our businesses".

He added: "Given current constraints, it has become clear to the board in recent weeks that delivering a standalone separation is the right next step in the evolution of Western Digital."

The decision comes as trading conditions in the memory chip market begin to improve after a protracted downturn caused inventories to stockpile. Western Digital added yesterday that fiscal first-quarter sales fell 26 per cent year on year to \$2.75bn.

The hard drive business, which will retain its current name after the split, primarily serves cloud computing customers. Its NAND flash memory unit also sells to consumers, including via its SanDisk brand and by bundling its storage technology into laptops and smartphones.

Goeckeler, a former Cisco executive, created a separate business unit focused on each technology soon after he took over as chief in 2020. He has also sought to stabilise its finances by paying down debt, suspending its dividend, settling a longstanding tax dispute and, earlier this year, making job cuts.

Elliott said yesterday it supported the decision, which it described as a "value-accretive transaction that would enable both HDD and flash [businesses] to take full advantage of their industry leadership positions as storage demand normalises".

Additional reporting by Leo Lewis in Tokyo
See Lex

Automobiles. Sales outlook

Shine comes off electric cars for US consumers

Softer demand than expected prompts Ford, GM and Tesla to pause capacity growth plans

CLAIRE BUSHEY — CHICAGO

US carmakers are pausing plans to expand their electric vehicle manufacturing capacity, as consumers buy battery-powered cars and trucks at slower rates than expected.

Ford, General Motors and Tesla have pumped the brakes on expanding EV production capacity in recent weeks.

GM will delay building electrified versions of its Chevrolet Silverado and GMC Sierra pick-up trucks at a Michigan plant until 2025, instead of next year.

Tesla chief executive Elon Musk said his company was studying macroeconomic conditions "before we go full tilt" to open a factory in Mexico.

Ford, which recorded a \$1.3bn loss in its electric vehicle division in the third quarter, is waiting to invest about \$12bn to build out EV production capacity. That includes cutting some production of the Mustang Mach-E and delaying construction on one of two joint-venture battery plants planned in the state of Kentucky.

"The narrative has taken over that EVs aren't growing," Ford chief financial officer John Lawler said this week. "They're growing . . . It's just growing at a slower pace than the industry, and quite frankly we, expected."

Softer demand means Ford needed "less capacity in certain areas in the near term, and so we'll push out that investment until the time we need to put that capacity in place".

Tesla was founded as an EV company and has said that it wants to sell 20mn vehicles a year in 2030, a more than tenfold increase in output. GM plans to sell 1mn EVs a year by the end of 2025 and Ford has set a target of 600,000 in 2024.

Anxieties over electric vehicle manufacturing — which requires fewer workers than internal combustion cars — have featured in contract talks with the United Auto Workers trade union, which went on strike at Ford, GM and Stellantis last month and agreed a tentative deal with Ford this week.

A record 313,000 electric vehicles were sold in the US in the third quarter, according to data group Cox Automotive. Electric cars climbed to 7.9 per cent of industry sales in the third quarter, up from 6.1 per cent a year ago, Cox Automotive found.

Even so, the pace of growth is slowing. Year-on-year sales growth for the third quarters of 2021 and 2022 was about 75 per cent; this year the increase was a



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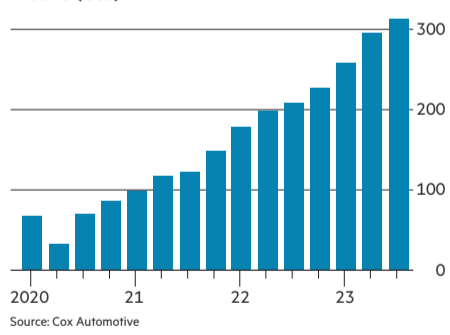
Tobias Schwarz/AFP

cooler 50 per cent, according to Kelley Blue Book, a research company owned by Cox Automotive.

EVs are lingering longer on dealership lots. Dealers are taking 88 days to sell their supply of electrified cars and trucks, compared with 39 days in October 2022, according to Cox. Petrol-powered vehicles are selling in 60 days.

Only a third of US consumers say the next car or truck they buy is likely to be electric, according to a survey from Yahoo Finance/Ipsos. The most common concerns were charging infrastructure, driving range, and the expense of EVs compared to cars with combustion engines.

Growth of US electric vehicle sales starts to slow
EVs sold ('000)



"It feels like the early adopters have adopted," said Fitch ratings analyst Steve Brown. "Now it's shifting to a point where it needs to get to a more mainstream consumer, and for a variety of reasons, it seems like mainstream consumers are more hesitant."

Pricing is a vital factor. The Biden administration's Inflation Reduction Act, which sought to stimulate domestic EV production, has narrowed the number of EVs eligible for a \$7,500 tax credit to models that meet thresholds for assembly and component sourcing in the US. The credit is meant to make the vehicles more affordable, and from next year buyers can receive it at the point of sale, rather than waiting to file their tax returns.

Electric vehicles have typically been more expensive than cars with traditional engines, but price cuts at Tesla earlier this year had "moved the market", according to Kelley Blue Book. The average transaction price of a new vehicle last month was \$47,900. The price for an electric vehicle averaged \$50,700, down 22 per cent on a year earlier.

Still, Musk said high interest rates were hurting demand for the company's cars as they swelled owners' monthly car payments. The company delivered fewer vehicles in the third quarter than Wall Street expected.

The roughly 50 electric models selling in the US — of which 14 qualify for the

'Early adopters have adopted. It's shifting to a point where it needs to get a more mainstream consumer'

full tax credit — were priced similarly, with no distinction between mainstream and luxury, car and truck, said Tyson Jominy, JD Power's vice-president of data and analytics. Roughly another 30 were scheduled to come to market next year.

"The market cannot absorb all these entries," Jominy said. There were "too many entries fighting for too few sales at that same price point".

GM chief executive Mary Barra said this week that "moderating the pace of our EV acceleration" would allow the company to maintain strong pricing.

But executives at Ford said they expected to see the premium commanded by EVs to fade. There was "tremendous" pricing pressure in electric vehicles, Lawler said, and "going forward, it's really a cost game in EVs".

It was not unusual for adoption of new technologies to plateau, and some states, such as Colorado, had recorded no slowdown, said Nick Nigro, founder of consultancy Atlas Public Policy.

Slowing sales nationally was "not an indicator that the market is struggling, but the industry is making clear that they need to see greater consumer demand in order to turn the spigots back on".

One industry expert echoed that point, declaring that demand for EVs was still good but that the supply was better.

Industrials

Tesla dip dims Panasonic battery outlook

DAVID KEOHANE — TOKYO
PETER CAMPBELL — LONDON

Panasonic, the Japanese electronics group, cut its full-year profit outlook at its battery unit by 15 per cent, blaming slower than expected sales of high-end electric vehicles at Tesla, one of its most important customers.

The downgrade by Panasonic, which lowered its full-year operating profit forecast for its battery unit to ¥115bn (\$771mn) from ¥135bn, was spurred by slowing demand in North America for Tesla EVs, which do not qualify for tax incentives under the Inflation Reduction Act.

"The IRA has a price ceiling up to \$80,000 and since the high-end models exceed that level, demand decreased," Hirokazu Umeda, Panasonic's chief financial officer, said yesterday.

Umeda said Panasonic had cut motor

battery production in Japan, where it produces the batteries for the more expensive Tesla models including the Model S and Model X, by 60 per cent compared with the first quarter as it tried to bring inventories to normal.

Tesla has also placed less emphasis on its flagship models, withdrawing them from right-hand drive markets such as the UK, in order to push its more affordable Model 3 and Model Y cars.

"We can expect some recovery. Still, we did not expect big growth like what we see in the US plant. So we'll be running the Japan factory based on that assumption," Umeda added.

The company also produces batteries for cheaper Teslas, which are benefiting from the IRA, at its Nevada factory. Panasonic is investing billions to build a plant in Kansas.

US President Joe Biden's IRA has led to a flurry of investments in US battery

manufacturing, but most new EVs made there do not yet qualify, either because they are too expensive or because their batteries are still imported.

The cuts by Panasonic follow other warnings about EV demand globally. Tesla, General Motors and Ford have slowed EV factory expansions as higher financing costs and weaker than expected economic growth in China and Europe reduce demand.

Last week, LG Energy Solution, the South Korean battery producer, echoed Tesla chief Elon Musk and warned EV sales were expected to weaken as a result of higher interest rates.

Earlier in the month, Tesla's third-quarter revenue fell short of Wall Street's reduced expectations and its core profit margins sagged, as planned factory shutdowns and price cuts dented the US electric car maker's performance.

Mining

ArcelorMittal to hand over its Kazakh assets

SYLVIA PFEIFER — LONDON

ArcelorMittal has agreed to transfer ownership of its operations in Kazakhstan to the government following several fatal accidents in recent years, including an underground coal mine fire at the weekend that killed at least 44 workers.

The world's second-largest steelmaker said it had been in talks with the government over the future of its subsidiary, ArcelorMittal Temirtau, for several months and had only recently signed a preliminary agreement to transfer ownership to the state. The company's operations in Kazakhstan span iron ore and coal mines, as well as a steel plant.

ArcelorMittal said 252 people were underground at the time of Saturday's fire at the Kostenko coal mine near Karaganda, south-east of the capital Astana. The fire is believed to have

been caused by a methane blast.

The company said yesterday that 44 workers were confirmed dead, with one miner still missing. It is the country's worst mining disaster for more than a decade.

Aditya Mittal, chief executive, said

Aditya Mittal: CEO says the group worked to improve safety before the latest deadly incident at the unit



that operating the mines had "involved inherently high safety risks owing to their complex geology, and this has led to a number of fatal accidents over the past two years".

"It is little consolation to say that the company expended considerable effort, further reinforced since 2020, in

improving the safety performance of the ArcelorMittal Temirtau operations," said Mittal.

The company, he added, had signed a "principle agreement" to transfer ownership last week before the fatal accident. ArcelorMittal yesterday declined to comment on the details of the agreement and whether or not it would be compensated for the assets.

The government has been pushing for nationalisation of the assets for some time. Kazakhstan's prime minister and president visited the site of the accident on Saturday where they confirmed they would be looking to complete the transaction as soon as possible.

ArcelorMittal has come under pressure over the safety of its Kazakh facilities several times in recent years. The group acquired the operations in 1995.

The steel plant at Temirtau produced 3.4mn tonnes of the metal last year.

COMPANIES & MARKETS

Wood's Ark funds seek to conquer Europe

ETF group is pushing into the region it sees as a 'tough nut to crack' as the once high-flying US business faces challenges

CHRIS FLOOD AND EMMA BOYDE

Armed with messianic conviction and social media savvy, Cathie Wood has built a lucrative career pitching disruptive companies to US retail investors.

But even the 67-year-old acknowledges that her quest to bring Ark Investment Management, the firm she set up in 2014 and that is headquartered in the Florida beachside town of St Petersburg, to Europe is a daunting one.

Europe is a "tough nut to crack," Wood told the Financial Times. "We knew, as an American company, that Europe and the UK is the most complicated region in the world. We need local talent and local leadership."

Wood has long harboured ambitions to break into the \$1.5tn European exchange traded fund market, but it was only last month that Ark took its first step with the acquisition of Rize ETF, a London-based company that manages more than \$450mn across 11 ETFs. Rize will be renamed Ark Invest Europe.

With ETFs built on such concepts as the future of food, Rize mimics the investment themes that attracted US retail investors to Ark and, at its peak in early 2021, turned it into a group with \$60bn in assets.

But for many incumbents in Europe's ETF industry that is where the similarities with the US market end.

"The US is one market with one currency, one language and one tax system," said Deborah Fuhr, founder of the ETFGI consultancy, drawing a contrast with the far more fragmented picture in Europe.

European countries are marked by their own distinct dynamics that are vital for a new entrant to understand, according to Howie Li, the head Legal & General Investment Management's \$15bn ETF arm.

None of which has stopped BlackRock, Vanguard, State Street and Invesco, the powerhouses in the \$7.5tn US market, from tapping demand in Europe for low-cost index-tracking funds. The US companies now go head-to-head with big European operators such as Amundi, DWS, an asset manager majority owned by Deutsche Bank, and UBS in their own backyard.

Ark's European ambitions are more modest and its outlay smaller. The group paid just £5.5mn for a 70 per cent stake in Rize, acquiring the business from AssetCo, an investment firm founded by Martin Gilbert, an asset management industry veteran.

AssetCo has admitted Rize's path to profitability has been "slower" than hoped. The group reported a £2.5mn pre-tax loss in the 12 months to September 2022. Wood believes she can turn that around. Roughly a quarter of the subscriptions to the research published by Ark on its website are from Europe, according to her. Ark's founder believes this is evidence of underlying demand from investors in the region.

"The top question we have [received] from investors is 'why can't we access



your strategies in Europe," said Wood. Ark specialises in actively managed ETFs, which aim to pick stocks rather than simply track an index.

Actively managed ETFs are a niche within the nascent European market. Assets in such funds hit \$28.4bn at the end of September after inflows of \$6bn in the first nine months of the year, according to ETFGI. That is up from \$2.8bn of inflows for the whole of 2022.

Ark is seeking regulatory approval to roll out European versions of its range of ETFs, spanning themes from artificial intelligence to

'We knew, as an American company, that Europe and the UK is the [world's] most complicated region'

genomics, before the end of the year. Simon Klein, global head of Xtrackers sales at DWS, Germany's largest asset manager, said that the continued appeal of thematic ETFs was attracting more providers in the US and Europe.

"Financial advisers and self-directed retail investors are finding thematic ETFs can provide them with access to ideas that cut across traditional sectors," said Klein.

Providers of such ETFs, including Ark, fill the fund with companies they say reflect the theme. Unlike mutual funds, the ETFs disclose all the companies they hold.

But even if European investors do want more exposure to groups promising disruption and innovation, that is no guarantee of success for Wood, according to analysts and industry executives.

Kenneth Lamont, a senior analyst at data provider Morningstar, said Ark's sales pitch was crafted for US millennial investors eager to take a punt on the next Tesla or Amazon.

The approach paid off for Ark in 2021 when sober financial analysis of company valuations was discarded.

But in Europe the growth of the ETF market has been driven by big institutional investors, with retail investors playing a far smaller role than in the US.

"You can't just pitch up from the US and expect it will work in Europe," said Lamont. The move into Europe "smacks a little bit of desperation".

Despite an improved performance during the past 12 months thanks to a resurgence in tech shares, Ark's performance over the past three years has been painful for investors. Seven of the eight funds in Ark's US-listed ETF range have recorded losses in the period.

Investors have pulled more than \$1.3bn from Ark's US listed ETFs this year, reducing the firm's overall assets to \$25bn, according to ETFGI.

Ark's funds have a negative rating from Morningstar, which cites concerns over performance, risk management and the outsized role of Wood, who is chief executive and chief investment officer. "Everything goes through Cathie Wood," said Lamont.

Wood has been characteristically defiant, using television appearances and social media to promote her credentials as an investor. "Ark's platform is full of Amazon-like names," Wood said in October, referring to companies that she claims have the same disruptive potential as the online retailer.

Alongside questions over whether her evangelism could misfire in Europe,

Wood and Ark will need to overcome several hurdles.

In many European countries, asset managers can pay financial advisers a commission to recommend an actively managed mutual fund. ETF providers do not pay any similar incentives, which has slowed their adoption in Europe.

ETF trading in Europe is conducted across multiple exchanges, dividing liquidity and increasing transaction

Chief executive Cathie Wood acknowledges that her quest to bring Ark Investment Management to Europe via its acquisition of Rize is a daunting one — Brendan McDermid/Reuters

costs. Meanwhile, distribution channels for selling ETFs also vary across the continent, which will require Ark's sales-force to win orders from a mix of fund supermarkets, banks, brokers, wealth managers and financial advisers, alongside individual retail investors.

Unlike in the US, ETFs do not offer tax advantages in Europe. Ark has recently highlighted to its US investors the expected capital gains tax write-offs given the losses its funds have accumulated.

Despite Europe presenting multiple challenges to Ark, MJ Lytle, co-founder of two European ETF businesses, said choosing to enter the region through an acquisition was a sensible move.

"The deal will allow Ark to leapfrog into Europe's ETF market without

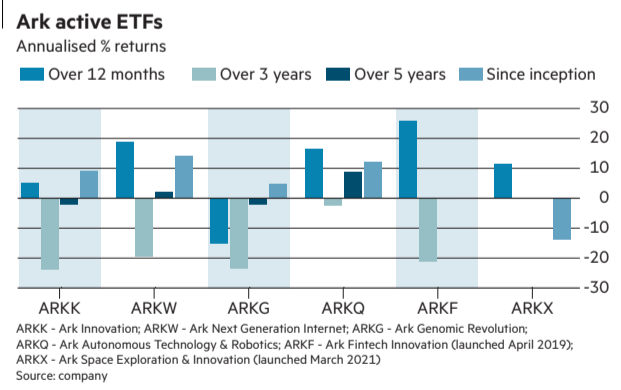
'The deal will allow Ark to leapfrog into Europe's ETF market without spending years trying to build'

spending years trying to build a meaningful presence from scratch," said Lytle, chief executive of Tabula Investment Management.

Since acquiring Rize, Ark has remained tight-lipped over which European countries it will target. In a sign of the dangers of expanding too quickly, Vanguard, the world's second-largest asset manager, has concentrated its push on the UK, Germany and Switzerland — a move that keeps its costs as low as possible.

Gilbert's decision to sell Rize two years after buying it points to the obstacles in breaking the dominance of the 10 performers who control more than 90 per cent of Europe's ETF market.

Amin Rajan, chief executive of the consultancy Create Research, cautioned that almost every small ETF manager had failed to gain critical mass in Europe, before adding that "if there is anyone that can, then it is Cathie Wood."



Financials

Insurance body to set up infrastructure vehicle

IAN SMITH — LONDON
KENZA BRYAN — NEW YORK

The Insurance Development Forum, a World Bank and UN-backed partnership of insurers and international bodies, plans to raise an infrastructure fund of hundreds of millions of dollars to help developing countries deal with the effects of climate change.

Speaking ahead of next month's COP28 climate summit in Dubai, IDF secretary-general Ekhosuehi Iyahen said the fund would seek to help countries already "feeling the brunt" of climate change.

"Many around the world are having to deal with the impact of climate change already," she said. "There is an urgency to deal with that." The objective was to fund "resilient and sustainable infrastructure in emerging and developing economies", she added.

Global efforts to combat climate

change have faced setbacks in recent months as some governments temper their transition plans and industry initiatives to collaborate on net zero policies have met political opposition.

Michel Liès, chair of the IDF's steering committee and of insurer Zurich, said the climate summit would be an opportunity to spread the message that it would be better to spend money on prevention measures, "instead of waiting for the catastrophe to happen, waiting for the terrible news on the TV".

He said it was considerably more efficient to spend money before a disaster than after and that the fund, backed by insurers, would be designed as an infrastructure debt fund and start off at a few hundred million dollars.

Liès said there was a need to bring "neutrality and objectivity" to the climate discussion, and that the industry could provide that via its expertise in

modelling and pricing risk. "The debate is becoming tense, which doesn't make the debate more efficient," he added.

The IDF, which was launched at the Paris climate summit in 2015, draws on a broad membership, from insurers, reinsurers and insurance brokers to regulators and international institutions such as the World Bank.

The chance of hitting the target of limiting the rise in global temperatures to 1.5C since pre-industrial times has dwindled, experts say, as greenhouse emissions continue to rise.

The question of how to fund adaptation to extreme weather events, including widespread changes to the way land and buildings can be used, has been drawing increasing attention. But talks on a so-called "loss and damage" fund to help poorer countries suffering from the effects of climate change came close to failing this month.

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COMPANIES & MARKETS

Fixed income. Inflation fight

'Range of uncertainties' faces Fed at rate-setting meeting



Bond yield surge and Gaza war cloud decision over whether to tighten monetary policy again

COLBY SMITH — WASHINGTON

Just days before US Federal Reserve officials hunkered down to prepare for this week's policy meeting, chair Jay Powell conceded that the central bank's already difficult job had become even trickier.

"A range of uncertainties, both old and new, complicate our task of balancing the risk of tightening monetary policy too much against the risk of tightening too little," the Fed chair told an event hosted by the Economic Club of New York.

Among the curveballs pitched at it are the deepening conflict in the Middle East that now looms over global oil markets, surging long-term interest rates, and stronger than expected economic data that has raised questions about how quickly inflation will moderate.

The Federal Open Market Committee is poised to keep its benchmark interest rate at a 22-year high of 5.25 per cent to 5.5 per cent when its two-day meeting ends tomorrow, extending the pause in its monetary tightening campaign that has been in place since it last raised rates in July.

That will give central bankers more time to assess not only the mixed signals about the US economy's health but also how the Fed's past rate rises and a recent tightening of credit conditions are influencing consumer and business demand.

Market participants broadly wager that these cross-currents mean the Fed is done with the rate-raising phase of its fight against inflation — and will now

shift the debate to how long rates should be kept at their current restrictive levels.

Officials themselves suggested this month that, with price pressures still percolating, it remained too early to rule out additional tightening, even as they insisted they would proceed carefully with policy decisions.

Powell and influential governors such as Christopher Waller have seemingly erected a high bar for additional tightening — suggesting recently that it would need fresh evidence that economic growth was not meaningfully slowing and that the disinflation process had either stalled or reversed.

But many economists argue that further tightening should not be ruled out altogether.

"Having recently faced high inflation, I think the Fed wants to err on the side of hawkish communication about the future until it has greater confidence that it has been addressed," said Kris Dawsey, head of economic research at DE Shaw.

From continued signs of resilient consumer spending to the possibility of

"spicier" inflation readings for the rest of the year, the data "could serve to reduce one's conviction that the economy is actually going to continue cooling and inflation is going to be moving back towards 2 per cent," he said.

Not only is a December rate rise a "very plausible outcome" without a more substantive let-up in inflation but, if economic conditions warrant further tightening, it could well mean more increases beyond that, Dawsey added.

As recently as September, officials projected that one more quarter-point notch higher in the fed funds rate would be necessary to deem the Fed's policy settings "sufficiently restrictive". They also forecast fewer cuts next year.

This embrace of a higher-for-longer policy approach helped to ignite a sharp sell-off in bonds that is seen both at the Fed and by others as doing some of the work for the central bank — by raising borrowing costs.

According to economists at Nomura, the surge in long-term yields is roughly equivalent to one or two quarter-point rate rises, which they said made it a "reasonable substitute" for the final

Tight spot: US Federal Reserve chair Jay Powell has seemingly erected a high bar for raising rates further

Gracie Jennings/
Washington Examiner/
Bloomberg

increase officials had pencilled in at their September meeting.

Julia Coronado, a former Fed economist who now runs MacroPolicy Perspectives, cautioned that such a substantive move higher in borrowing costs would soon bite.

"We are not in a world awash in stimulus and liquidity. We are in a world of extremely expensive money," she said.

Any remaining froth is going to get "killed by higher rates" and if officials "go too hard, then they might end up having to reverse course too fast", Coronado added.

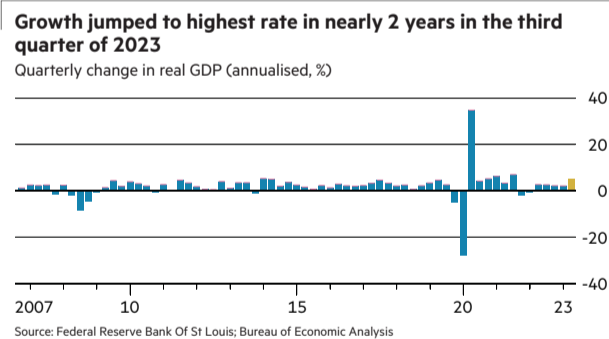
Former Fed governor Laurence Meyer — who expects the central bank to skip a December rate rise but is "reluctant" to say the Fed has finished tightening — added that next year's debate will be tricky, focusing more on the "duration" of higher rates than their level.

The task will be for Fed officials to calibrate the fed funds rate such that as the pace of consumer price growth moderates, the real, inflation-adjusted policy rate does not become prohibitively restrictive for the economy.

Jonathan Pingle, who used to work at the Fed and is now chief economist at UBS, said he expected the central bank to slash its main interest rate in March 2024.

This is earlier than traders in futures markets are betting — and then by the middle of next year to have reduced it by 0.75 percentage points as the economy tips into a recession.

"At the end of the day, it's really the data that's going to drive this," Pingle said. "They would like a slower economy and, if they get [that], then they are going to have to start thinking about how restrictive they really want to let policy get as inflation falls."



'We are not in a world awash in stimulus and liquidity. We are in a world of extremely expensive money'

Commodities

Wintershall chief Mehren cautions over European energy complacency

PATRICIA NILSSON — FRANKFURT

The chief executive of Wintershall Dea has warned of European "complacency" over energy security in the wake of the escalating war in Gaza as the German company continues to grapple with the loss of its Russian gasfields.

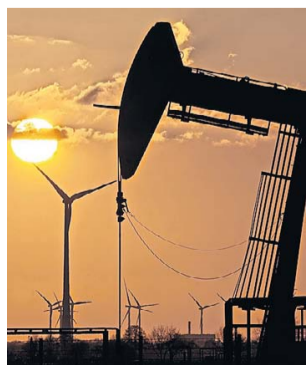
Mario Mehren yesterday said Europe faced a "fragile situation with multiple potential supply risks, including the current Middle East conflict," adding that policymakers and industry alike should be aware of "winter looming".

His comments came as Wintershall, which is majority owned by chemical group BASF, embarks on a cost-cutting programme after the Kremlin in January expropriated its joint ventures in Russia — which before the war made up half of its output — and confiscated €2bn from its bank accounts.

The loss of control over its Russian business prompted Wintershall to announce in January that it would exit the country, having been one of the last western oil and gas explorers to continue doing business there after the invasion of Ukraine.

The decision led to a €5.3bn write-down of its business as well as the deconsolidation of its Russian assets.

Wintershall said yesterday that it would complete the "legal separation" of its remaining energy exploration and production, carbon management and hydrogen businesses from its Russian assets — including its stake in the Nord Stream pipeline as well as its joint ven-



Wintershall has blamed lower oil and gas prices for recent losses

tures with Kremlin-controlled Gazprom — by mid-2024.

The company's oil and gas revenues in the first nine months of 2023 nearly halved compared with the same period last year, reaching €74bn.

In the quarter ending September, the company reported a net loss of €535mn compared with a €388mn profit in the same period last year.

Wintershall has in response to its crisis announced 500 job cuts — roughly a quarter of its workforce — as it will seek to save €200mn a year.

Aside from the loss of its Russian business, Wintershall blamed lower oil and gas prices as well as impairments worth €587mn, most of which came from its 10 per cent stake in an offshore gas project in the United Arab Emirates.

In January, BASF was forced to write down its stake in Wintershall by €6.5bn.

Even before the war, the chemicals group had been trying to divest Wintershall but faced opposition from minority shareholder LetterOne, the London-based investment company that was founded by two now-sanctioned Russian oligarchs, including Mikhail Fridman.

Equities

Surging mortgage rates throw rally in US housebuilder stocks into reverse

ALEXANDRA WHITE — NEW YORK

A powerful rally in the stocks of US homebuilders has gone into reverse as investors worry that a rapid rise in mortgage rates is starting to threaten demand for new houses.

Shares in DR Horton, Lennar and NVR have dropped more than 16 per cent since their peak in July. Those of PulteGroup, which surged 86 per cent in 2023 to August, are down a similar amount.

Rapid rises in mortgage rates had at first propelled homebuilder stocks, because they made current homeowners holding cheaper fixed-rate loans less willing to sell. Buyers sought out newly constructed houses as an alternative.

But higher rates are finally having an effect. Mortgage rates have risen sharply in recent months, rising from 6.48 per cent at the start of the year to a 23-year high of 7.79 per cent last week, according to Freddie Mac.

Homebuilders have said the recent jump had begun to price more homebuyers out of the market.

"At this point it's come down to a macro call," said John Lovallo, an analyst at UBS. "We've taken our estimates

down and our price targets down a bit, just in recognition of what's going on in the market with rates."

Single-family housing starts increased 8.6 per cent in September from a year ago but some economists said the recent increase in activity would be shortlived.

Homebuilder confidence this month dropped to its lowest level since January

'Builders won't have an incentive to break ground on new projects so long as demand remains subdued'

as higher rates drove some buyers away and raised construction costs, said the National Association of Home Builders.

"We don't think this bounce in housing activity will persist," said Oren Klachkin, financial market economist at Nationwide. "Builders won't have an incentive to break ground on new projects so long as demand remains subdued and we don't see a sustained turnaround until credit becomes less restrictive and affordability improves."

Commodities

Norsk Hydro warns China EVs threaten aluminium demand

HARRY DEMPSEY

A major European aluminium producer has warned that the increasing numbers of imported electric cars from China could have a big impact on regional demand.

Hilde Merete Aasheim, chief executive of Norsk Hydro, said the company was paying attention to this risk.

"The fear when it comes to [electric vehicles] is imports into Europe and the impact on European car manufacturers. There is quite a steep curve right now," she told the Financial Times in an interview.

"That is a threat that we are following; if European automakers start reducing their demand [for aluminium] because they are outcompeted," she said.

Her comments highlighted the ripple effects from growing Chinese EV imports for businesses in Europe from the car supply chain, including raw material producers.

Aluminium is used in electric cars for battery pack casings and other components to help cut weight and offset the heavy battery, allowing EVs to travel further on a single charge.

The average EV produced in Europe in 2022 contained 283kg of aluminium compared with 169kg for combustion

'The fear when it comes to EVs is imports into Europe and the impact on European manufacturers'

engines, according to a study commissioned by European Aluminium, a trade body.

In September, the EU announced plans for an anti-subsidy probe of Chinese EVs that it said was "distorting" the European market and "flooding" global markets.

China is building battery plants far beyond the levels needed to meet its own domestic demand, backed by regional subsidies and lending, and manufacturers are seeking to channel the excess supply into overseas markets.

European carmakers are responding to the threat in different ways. Stellantis, which owns brands including Peugeot and Jeep, said this week that it would invest €1.5bn in a 20 per cent stake in Chinese EV start-up Leapmotor in an attempt to profit from the influx of cheaper China-made EVs into Europe.

In the first seven months of 2023, China exported \$13.1bn of EVs to Europe compared with \$15.4bn in the whole of the previous year, according to Chinese customs data.

However, the majority of the vehicles are China-made versions of western brands such as Tesla.

The worries about aluminium demand in Europe come after the sector was hit by surging energy prices following Russia's invasion of Ukraine last year, which forced smelters including Hydro's Slovako smelter in Slovakia to close.

FT

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ft.com/markets

COMPANIES & MARKETS

The day in the markets

What you need to know

- Global stocks rise ahead of central bank meetings in the US, UK and Japan
- US government bonds weaken as Fed prepares for interest rate decision
- Oil slides after worries over wider conflict in Middle East ease

Global stock markets rose yesterday ahead of a series of central bank meetings and data releases that will guide investor sentiment on the outlook for interest rates.

Wall Street's benchmark S&P 500 rose 0.1 per cent and the tech-heavy Nasdaq Composite added 1.2 per cent by midday in New York.

The two indices last week entered "correction" territory, having dipped just over 10 per cent since their latest peaks in July.

Across the Atlantic, the region-wide Stoxx Europe 600 added 0.4 per cent, though it remains close to its lowest level this year.

London's FTSE 100 gained 0.9 per cent — while Frankfurt's Xetra Dax rose 0.1 per cent as domestic inflation fell to its lowest annual rate since June 2021.

Yesterday's moves come after a fortnight of steady declines for stocks on both sides of the Atlantic.

Companies with highly leveraged balance sheets and those exposed to a slowdown in consumer spending have been among the hardest hit — and are likely to be "disproportionately sensitive to [interest] rates remaining higher for longer", said analysts at JPMorgan.

Investors are also looking ahead to central bank meetings in the US, UK and Japan. The Fed tomorrow is expected to

Yen strengthens after reports of shift in Bank of Japan policy

¥ per \$ (inverted scale)



leave its benchmark interest rate at 5.25-5.5 per cent, a 22-year high.

Yields on benchmark 10-year Treasuries rose 5 basis points to 4.89 per cent, reflecting falling prices.

The yen meanwhile strengthened 0.3 per cent against the dollar to ¥148.83, its strongest level since October 10, ahead of the Bank of Japan's policy meeting today.

The move followed reports from the Nikkei newspaper that Japanese policymakers were considering letting the yields on 10-year government bonds push above 1 per cent.

That would mark a further relaxation of

the policy of buying government bonds to hold yields below a fixed level.

But analysts said traders were also looking to tomorrow's US Treasury's quarterly refunding update. The July report contributed to the violent repricing of US government debt in early autumn, which itself dented equity valuations.

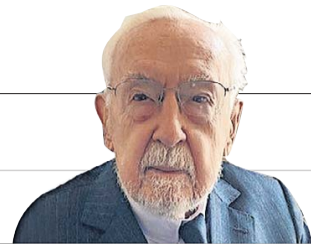
Oil fell as worries over the potential for Israel's ground offensive in the Gaza Strip to escalate into a wider conflict eased.

Global benchmark Brent crude slid 2.8 per cent to \$87.95 a barrel and US marker West Texas Intermediate fell 3.7 per cent to \$82.38 a barrel. **George Steer**

The EU needs to tackle its economic and fiscal slippage

Jacques de Larosière

Markets Insight



A sovereign currency represents the quintessence of the issuing country: the collective characteristics of the nation. The single currency of the EU, the euro, is far removed from this status. Rather than demonstrating unity, it is a continuing source of tension and dispute among the eurozone's constituents.

At a time when the European Central Bank needs to go further in "normalising" interest rates to counter persistent inflation, member states and the European Commission must demonstrate the will for corrective action. Unless new policies are forthcoming, a new euro crisis could erupt sooner or later.

The euro is the second global currency after the dollar. But this success cannot hide deep internal divisions. The reasons are manifold. There are as many budgetary policies as member states. Perceptions of the need to tackle inflation vary widely. Since the 1960s, the EU has become less guided by strong structural policies in areas such as industry, agriculture, energy competition. Instead, it has moved to a single market without community preferences, often overridden by powerful national trends.

Euro area growth has lagged behind that of the US. Since 1995, real US gross domestic product has increased more than 90 per cent, against the euro area's more than 50 per cent. Eliminating the risks of fluctuating exchange rates favours product specialisation. As a result, the euro has reinforced the more industrialised euro area members at the expense of those in industrial decline.

Macroeconomic divergence is further demonstrated by the so-called Target-2 imbalances that represent the national

central banks' intra-euro area claims and liabilities. Spain and Italy register liabilities of roughly 28 per cent of gross domestic product, while Germany has a net claim of about 26 per cent.

What can be done? One way forward would be to solve EU banking fragmentation. This would require harmonising national rules and overcoming host-country ringfencing practices. Steps are needed to drive forward capital market union. The same is true of the need for a safe European financial asset, held back by the absence of a common tax policy.

Another basic problem has been ultra-accommodative ECB monetary

The euro is the second global currency after the dollar. But this success cannot hide deep divisions

policies. These have disincentivised structural reforms, particularly in France and Italy. Near-zero interest rates have made public deficits easily financeable. The ECB's quantitative easing reduced problems caused by spreads in bond yields but heightened general indebtedness and the vulnerability of the financial system.

How should the ECB take into account the risks of financial fragmentation? To tackle inflation, it would be wise to start quantitative tightening to eliminate excess liquidity. Fears of rising European spreads must not dominate monetary decision-making. But sooner or later, structural spreads — reflecting accumulating fiscal and structural deficiencies — will reappear.

Member states must adjust their eco-

nomical and fiscal policies accordingly. The revision of the stability and growth pact must be ambitious and immediately effective to prevent an imminent euro crisis. There must be a gradual convergence of member states' budgetary policies. The Commission's proposed case-by-case framework seems a good approach. The pace of return to public debt below 60 per cent of GDP should be specifically adapted to each country.

The macroeconomic imbalance procedure must be respected within the framework of equal treatment and multilateral surveillance, either by the Commission or by an independent budgetary authority. Current account adjustments should concern countries with both structural deficits and surpluses. It is not possible or honest to expect the countries of the south indefinitely to reduce economic growth to rein in deficits to compensate for northern surpluses. A symmetrical adjustment mechanism is needed where surpluses are treated in the same way as deficits.

Europe's system of trying to manage monetary union without a credible economic stability mechanism is unsustainable. Policymakers, and the Commission, must assume responsibilities in respecting economic discipline. This requires independence, competence, vision and courage. At present we see fiscal, inflationary and economic slippage — and the danger that the countries of the north end up paying for the ensuing problems. It is time for Europe to take its destiny into its own hands.

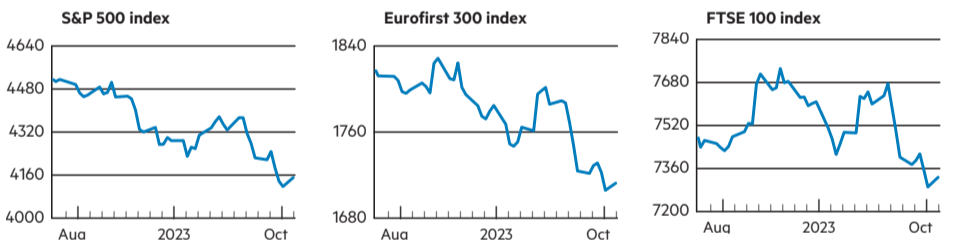
Jacques de Larosière is a former managing director of the IMF, former governor of the Banque de France and former president of the European Bank for Reconstruction and Development

Markets update

	US	Eurozone	Japan	UK	China	Brazil
Stocks	S&P 500	Eurofirst 300	Nikkei 225	FTSE100	Shanghai Comp	Bovespa
Level	4150.96	1712.50	30696.96	7327.39	3021.55	112812.73
% change on day	0.82	0.39	-0.95	0.50	0.12	-0.43
Currency	\$ index (DXY)	\$ per €	Yen per \$	\$ per £	Rmb per \$	Real per \$
Level	106.431	1.062	149.015	1.216	7.318	5.040
% change on day	-0.120	0.378	-0.394	0.165	0.015	1.813
Govt. bonds	10-year Treasury	10-year Bund	10-year JGB	10-year Gilt	10-year bond	10-year bond
Yield	4.894	2.820	0.892	4.727	2.715	11.491
Basis point change on day	3.950	-0.900	2.090	1.900	0.300	40.800
World index, Commods	FTSE All-World	Oil - Brent	Oil - WTI	Gold	Silver	Metals (LMEX)
Level	417.50	86.49	82.63	1982.90	22.76	3609.60
% change on day	0.46	-3.04	-3.40	0.40	-0.94	1.32

Yesterday's close apart from: Currencies = 16:00 GMT; S&P, Bovespa, All World, Oil = 17:00 GMT; Gold, Silver = London pm fix. Bond data supplied by Tullett Prebon.

Main equity markets



Biggest movers

	US	Eurozone	UK
Ups	Western Digital 5.88	B. Sabadell 3.81	Airtel Africa 4.64
	Abbvie 4.12	Erste Bank 3.46	St. James's Place 3.75
	Charter Communications 3.21	Sanofi 3.24	Pearson 2.94
	Verizon Communications 3.18	Saipem 3.17	Prudential 2.21
	Marketaxx 3.09	Dassault Systemes 2.96	M&G 2.18
Downs	On Semiconductor -18.22	Casino Guichard -10.57	Ocado -4.16
	Revvity -16.58	Infineon Tech -5.61	Hsbc Holdings -2.28
	Enphase Energy -6.76	Merck -4.69	Natwest -2.12
	Realty Income -6.30	Arcelormittal -4.25	Si -1.30
	NXP Semiconductors -5.96	A.p. Moller - Maersk B -2.23	Tesco -0.88

Prices taken at 17:00 GMT. Based on the constituents of the FTSE Eurofirst 300 Eurozone. All data provided by Morningstar unless otherwise noted.

Wall Street

Sinking to the bottom of the S&P 500 index was **On Semiconductor**, the chip supplier, which forecast revenue of \$1.95bn to \$2.05bn for this quarter — well below the \$2.2bn average that Wall Street was expecting.

Hassane El-Khoury chief executive, said On was "taking a very cautious approach as we are starting to see pockets of softness with tier 1 customers in Europe working through their inventory and increasing risk to automotive demand due to high interest rate".

On was joined by **Revvity** after Maxwell Krakowiak, its chief financial officer, said the diagnostics and life sciences group had seen a "noticeable step-down in demand from our pharma and biotech customers" during the third quarter, especially in September — adding that he expected "these headwinds to continue".

This was reflected in Revvity's revenue target of \$2.72bn to \$2.74bn for the full year, which missed the \$2.83bn that analysts had expected.

Rallying to the top of the blue-chip benchmark was **Western Digital**, the memory manufacturer, which posted forecast-beating results alongside plans to split its hard drive and flash businesses into independent public companies.

The announcement came just days after Western abandoned merger talks with Japan's Kioxia. **Ray Douglas**

Europe

New business buoyed **Munters**, the dehumidification and cooling specialist, which has secured an order worth \$137mn from an unnamed "leading data centre co-location operator in the US".

Deliveries were expected throughout 2025, said the Swedish group.

Erste, the Austrian lender, rose after a 61 per cent year-on-year jump in third-quarter net profit to €819.7mn — almost 6 per cent ahead of analysts' estimates.

Amsterdam-based **TomTom**, which makes navigation equipment, rallied on news that it would be returning more money to investors through a €50mn share buyback plan.

The scheme was aimed at reducing its share capital, repurchasing and cancelling about 7 per cent of its ordinary stock, it said. TomTom's shares are down around 19 per cent this year.

Swedish Orphan Biovitrum, the pharma group better known as Sobi, rose sharply on posting third-quarter results described as "very strong" by RBC Europe.

Revenues beat market estimates by 12 per cent and core profits 34 per cent, thanks to a robust performance from Gamifant, which treats HLH, a rare immune disease, and its first royalties on Beyfortus, a respiratory virus drug developed alongside AstraZeneca and Sanofi. **Ray Douglas**

London

Topping the FTSE 100 index was **Airtel Africa**, the Africa-focused telecoms group, which reported a 3.7 per cent rise in earnings before interest, tax, depreciation and amortisation for the half year — solidly ahead of the consensus estimate, noted Citi.

Airtel, which has been hit by the recent devaluation of the Nigerian naira, lifted its guidance — forecasting an "improved" margin for the full year against a "focus on margin resilience" stated in July.

Airtel was joined by **Pearson** near the head of the blue-chip benchmark. The education publisher lifted guidance for adjusted operating profit by £20mn to £570mn-£575mn for the full year.

Andy Bird, outgoing chief executive, flagged strong momentum in Vue, its computer-based test system and its English-language learning products.

Near the tail-end of the FTSE 100 was **HSBC**, the Asia-focused lender, which posted a pre-tax profit of \$7.7bn for the third quarter, missing the company-compiled estimates of \$8.1bn.

Heading the FTSE 250 mid-cap index was **Ascential**, a descendent of Emap, the media group, which announced it was selling its digital commerce business and trend-spotting service WGSN for a combined enterprise value of £1.4bn — slightly ahead of Citi's sum-of-the-parts valuation. **Ray Douglas**

FT FINANCIAL TIMES

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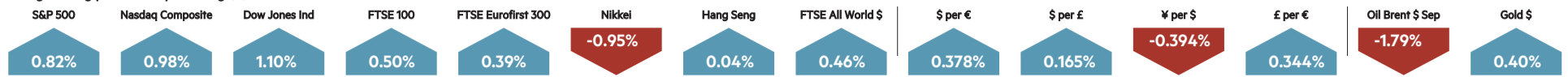
Discover the best way to make the most of this buzzing city at ft.com/globetrotter/milan

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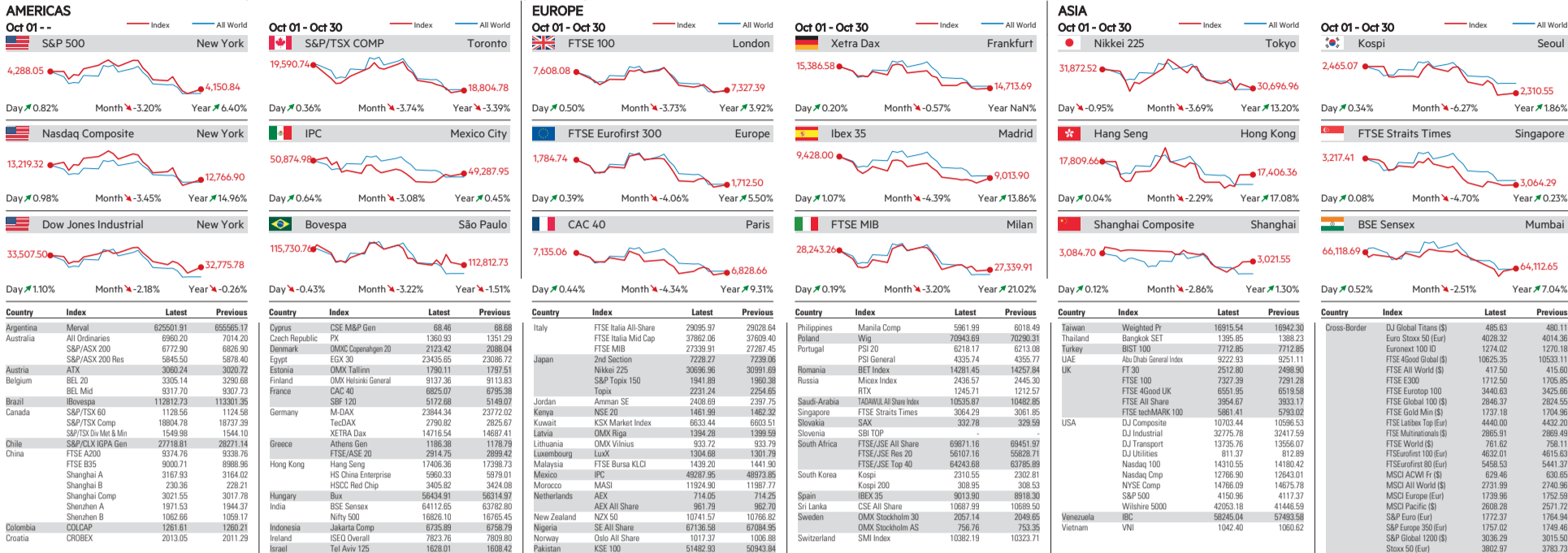
MARKET DATA

WORLD MARKETS AT A GLANCE

Change during previous day's trading (%)



Stock Market movements over last 30 days, with the FTSE All-World in the same currency as a comparison



(c) Unavailable. 1 Correction. Subject to official reconciliation. For more index coverage please see www.ft.com/worldindices. A fuller version of this table is available on the FT.com research data archive.

STOCK MARKET: BIGGEST MOVERS

Region	Stock	Close	Day's % Change	Region	Stock	Close	Day's % Change	Region	Stock	Close	Day's % Change			
AMERICA	ACTIVE STOCKS			LONDON	ACTIVE STOCKS			EURO MARKETS	ACTIVE STOCKS					
	Netflix	122.2	16.92		7.57	Shell Holdings	2781.0		287.00	-13.50	Richto Gx	234.0	251.95	3.71
	Meta Platforms	463.3	30.143		7.40	Unilever	139.5		3862.50	4.50	Novartis N	283.6	88.07	0.91
	Amazon.com	45.3	13.91		4.19	Bovipar	135.0		5276.70	-3.80	Indetex	254.0	33.07	0.42
	Apple	36.3	16.91		1.89	Arista America Tobacco	127.5		2449.50	46.50	Stellantis	244.1	17.04	-0.28

Region	Stock	Close	Day's % Change	Region	Stock	Close	Day's % Change	Region	Stock	Close	Day's % Change	
UK MARKET WINNERS AND LOSERS	FTSE 100			Winners				Losers				
	Smith (D)	287.0	6.1	12.1	Delta Infrastructure	44.80	21.9	30.9	Standard Chartered	240.0	-13.5	-1.2
	Antofagasta	1389.00	5.6	-10.7	Plus500 Ltd	1425.00	9.0	-21.0	Experian	2435.00	-8.4	-14.0
	Fresnillo	554.00	5.5	-38.4	Trainline	260.00	7.1	-6.1	Roche	1315.50	5.4	-6.8
	Banque	1315.50	5.4	-6.8	Fidelity China Special Situations	227.00	5.1	-14.2	Glencore	451.00	4.4	-28.4

Based on last week's performance. FTSE at suspension.

CURRENCIES

Currency	DOLLAR			EURO			POUND			Currency	DOLLAR			EURO			POUND		
	Closing	Mid	Change	Closing	Mid	Change	Closing	Mid	Change		Closing	Mid	Change	Closing	Mid	Change	Closing	Mid	Change
Oct 30																			
Argentina	350.023	0.053	371.714	1.4760	425.4784	0.4523	Indonesia	15890.000	16874.4758	11.5529	19315.1616	-43.1491	Polish Zloty	4.1954	-0.0238	4.4553	5.0997	-0.0243	Three Month

Rates are derived from WM Reuters Spot Rates and Morningstar's (unless in date of production). Some values are rounded. Currency re-denominated by 1000. The exchange rates printed in this table are also available at www.ft.com/marketsdata.

FTSE ACTUARIES SHARE INDICES

Index	DOLLAR			EURO			POUND			Index	DOLLAR			EURO			POUND		
	Closing	Mid	Change	Closing	Mid	Change	Closing	Mid	Change		Closing	Mid	Change	Closing	Mid	Change	Closing	Mid	Change
Oct 30																			
FTSE 100	7227.39	0.00	6537.70	7291.28	7354.57	7047.67	3.95	2.00	25.77	2567.71	7786.23								

Produced in conjunction with the Institute and Faculty of Actuaries

FTSE 30 INDEX

Index	Oct 30	Oct 27	Oct 26	Oct 25	Oct 24	Yr Ago	High	Low	Yr to date percentage change
FT 30	2512.80	2498.90	2520.40	2521.60	2536.60	0.00	2695.30	2454.10	0.00

FTSE 30 constituents and recent 2521.1/2514.2/2522.8/2525.6/2512.5/2516.2/2527.7/2498.3

FTSE GLOBAL EQUITY SERIES

Region	Index	Oct 30	Oct 27	Oct 26	Oct 25	Oct 24	Yr Ago	High	Low	Yr to date percentage change
Global	FTSE Global All Cap	2512.80	2498.90	2520.40	2521.60	2536.60	0.00	2695.30	2454.10	0.00

The FTSE Global Equity Series, launched in 2003, contains the FTSE Global Small Cap Index and broader FTSE Global All Cap Index (large/mid/small cap) as well as the enhanced FTSE All-World Index Series (large cap) please see www.ft.com/research/indices/ftse-global-equity-series. The trade names FTSE Global Equity Series and FTSE Global All Cap Index are registered trademarks and the patented and patent-pending proprietary intellectual property of Research Affiliates, LLC US Patent Nos. 7,620,571, 7,747,502, 7,778,905, 7,792,715, Patent Pending. UK: US-2006-0148945-A1, US-2007-055598-A1, US-2008-028416-A1, US-2010-0036342-A1, WO 2005/078922, WO 2007/078399-A2, WO 2008/118972, EP 1723352, and HK1091110. "EDHEC" is a trade mark of EDHEC Business School SA of January 2006. FTSE is classified as sector indices in the Industrial Classification Benchmark - please see www.ftse.com/ftse. For constituent changes and other information about FTSE, please see www.ftse.com. © FTSE International Limited. 2013. All rights reserved. "FTSE" is a trade mark of the London Stock Exchange Group companies and is used by FTSE International Limited under licence.

UK STOCK MARKET TRADING DATA

Index	Oct 30	Oct 27	Oct 26	Oct 25	Oct 24	Yr Ago	High	Low	Yr to date percentage change
Order Book Turnover (m)	70.44	87.99	87.89	44.23	100.00	18.22			

All data provided by Morningstar unless otherwise noted. All elements listed are indicative and believed accurate at the time of publication. No offer is made by Morningstar or the FT. The FT does not warrant or guarantee that the information is reliable or complete. The FT does not accept responsibility for any loss arising from the reliance on or use of the listed information. For all queries e-mail ft.reader.enquiries@morningstar.com

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Figures in £m. Earnings shown basic. Figures in light text are for corresponding period year earlier. For more information on dividend payments visit www.ft.com/marketsdata

Figuring price, production, when issued. Annual report/prospectus available at www.ft.com/ft

For a full explanation of the other symbols please refer to London Share Service notes.

MARKET DATA

FT500: THE WORLD'S LARGEST COMPANIES

Table with multiple columns for various countries (Australia, Brazil, Canada, China, France, Germany, Hong Kong, India, Israel, Italy, Japan, Mexico, Netherlands, New Zealand, Norway, South Korea, South Africa, Sweden, Switzerland, Taiwan, Thailand, United Arab Emirates, United Kingdom, USA, Vietnam) and rows listing company names, price, and daily change.

FT 500: TOP 20

Table listing the top 20 FT 500 companies with columns for company name, price, and daily change.

FT 500: BOTTOM 20

Table listing the bottom 20 FT 500 companies with columns for company name, price, and daily change.

BONDS: HIGH YIELD & EMERGING MARKET

Table showing bond market data for high yield and emerging markets, including ratings, bid prices, and yields.

BONDS: GLOBAL INVESTMENT GRADE

Table showing global investment grade bond market data, including ratings, bid prices, and yields.

INTEREST RATES: OFFICIAL

Table of official interest rates for various countries and currencies.

BOND INDICES

Table of bond indices for different regions and asset classes.

VOLATILITY INDICES

Table of volatility indices for various markets.

GILTS: UK CASH MARKET

Table of UK gilt cash market data, including yields and prices.

INTEREST RATES: MARKET

Table of market interest rates for various currencies and instruments.

CREDIT INDICES

Table of credit indices for various countries and sectors.

BONDS: BENCHMARK GOVERNMENT

Table of benchmark government bond data for various countries.

GILTS: UK FTSE ACTUARIES INDICES

Table of UK FTSE actuarial indices for various durations.

COMMODITIES

Table of commodity prices for various goods like oil, gas, and metals.

BONDS: INDEX-LINKED

Table of index-linked bond data, including prices and yields.

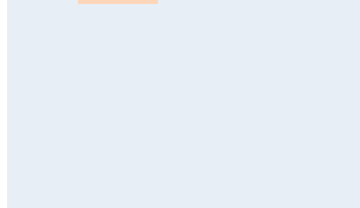
BONDS: TEN YEAR GOVT SPREADS

Table of ten-year government bond spreads for various countries.

COMMODITIES: INFLATION 5%

Table of inflation 5% data for various countries and periods.

FT FINANCIAL TIMES



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Sources: FT PRIMEX, ICE/EURIBOR, CBOT, ICE Liffe, VIX, LME Futures, CHE, LME/London Metal Exchange. *Latest prices 5 unless otherwise stated.



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Barbican, London

London Philharmonic Orchestra
Royal Festival Hall, London

Richard Fairman

It is a good thing Shostakovich's music has not fallen foul of the widespread shunning of Russian culture, as performers such as Anna Netrebko and Valery Gergiev have. Where would orchestras be without his giant symphonies to pull in the crowds? They cannot play Mahler every day.

Two of his biggest symphonies turned up on consecutive days over the weekend. The Symphony No 10 and the less frequently performed No 8 are both ambitious musical testimonies from the period when Shostakovich was under intense pressure from the communist regime under Stalin.

The 10th, which had its premiere only months after Stalin's death, formed the main work in a typically adventurous BBC Symphony Orchestra concert. The increasingly fraught, or triumphant, repetitions of Shostakovich's musical monogram, the notes DSCCH, clearly have a coded meaning, but what? The limitations of how far the arts, and composers in particular, can speak out under a dictatorship are relevant again in the current political climate.

This symphony is a fail-safe work in performance and David Afkham led the BBC Symphony Orchestra in an adequately played account that was well dramatised, stinting neither in volume nor intensity.

No BBC concert is without several good reasons for attending. This programme opened with Messiaen's *Les Offrandes oubliées*, not often performed, an early work that has at its centre an unusually extrovert showpiece for the orchestra.

In between came the first UK performance of Outi Tarkiainen's *Milky Ways*, a concerto for cor anglais, which was a joint commission by the BBC and orchestras in Finland and San Francisco. The composer says the music describes the milky "cradle of life" of a young infant, though its slow-moving

sense of space and time may rather suggest the other kind of Milky Way. Nicholas Daniel was the expert soloist, charting the infant's emergence into the world through music that is atmospheric but on the static side. ★★☆☆☆ barbican.org.uk

At the Royal Festival Hall, the London Philharmonic Orchestra and principal guest conductor Karina Canellakis paired Shostakovich with Beethoven in a programme of two halves. The Beethoven opened with a nicely sprung performance of the overture to his ballet *The Creatures of Prometheus*.

That genial style continued in his Piano Concerto No 2, played with exceptional gentleness by Jonathan Biss. An instrument of Beethoven's time could barely have sustained the time-stopping hush that Biss brought to the slow movement, but a modern concert grand can, and an appreciative audience held its breath. Soloist and conductor sounded



Nicholas Daniel performs 'Milky Ways' on cor anglais

in complete accord and the result was a performance of very distinct character.

Shostakovich's Symphony No 8, given its first performance in 1943, is more discursive than the tautly argued 10th, but its widescreen cinematic scope is just as vivid. The work can arguably take a more biting, raw kind of attack, but Canellakis made sure that this wartime symphony had trenchant power and a palpable sense of the overwhelming forces that crush individual freedoms. It was also well played by a London Philharmonic Orchestra on full alert.

★★★★☆ southbankcentre.co.uk



The LPO's Karina Canellakis was one of two conductors tackling Shostakovich over the weekend
EPA-EFE/EVERETT



James Francies on stage at Ronnie Scott's
Monika S Jakubowska

JAZZ

James Francies
Ronnie Scott's, London
★★★★☆

Mike Hobart

The opening carousel of watery keyboard, whiny synth, acoustic grand and crunchy synthesised bass was both foretaste and summary of an intense, jittery set. Pianist/keyboardist James Francies, at this point unaccompanied, played them all, sometimes in combination, sometimes separately. Mists of

sound floated on lush piano chords, ripples of piano alternated with sprays of synth bass and harsh Moog came with sounds that plunged to the depths.

The tune, "Open Water", was new, and an impressionist root seemed clear. But Francies's core aesthetic combines hip-hop and modern jazz. This was made clear when drummer Damion Reid entered with staggered rolls and a backbeat whack. Guitarist Mike Moreno soon followed, confirming the move with an etched melody and a round, punchy sound.

As the piece unfolded, Moreno spun tight investigative lines while Francies was magisterial on acoustic grand. But

the main point of interest was the shifting-sands dialogue between soloist and drums and a sense of "What will come next?", particularly as Francies multi-tasked on keyboards and synth bass.

The American's piano technique sends notes flying over his own full chordal support and, locked into Reid's drum urgency, focused the crowd. But the episode dropped in volume and, lacking underpinning power in the bass, fell just short of excellent. Francies's solution was a dazzling multi-instrumental display of sonic layers, unison lines played at ferocious speed and internal duets in which each hand seemed to have a mind of its own.

The rest of the set featured music from Francies's two Blue Note albums. Like label-mate Robert Glasper, Francies combines hip-hop's sparse harmonies and set-piece rhythms with modern jazz flow, and flies off at tangents at the drop of a hat. Both tonight's accompanists were also Glasper regulars and supported Francies's trains of thought with ease. Reid's skewed metronomic backbeats were a force of nature, and his round-the-kit bravado was impressively locked in. Moreno, who played on both CDs, delivered controlled fluency and melodic appeal. Head-nodding grooves were dotted round the set.

But it was Francies who imposed his stamp, shifting tension and mood. He set up the edgy hip-hop groove of "713" with a firework display of chirrupy synth, ruminative piano and swapped lines. Moreno introduced "Dark Purple" with gorgeous strums and lines and delivered a probing solo that hovered above ballad tempo.

The evening finished with Rodgers and Hammerstein's "My Favorite Things", a jazz standard famously covered by John Coltrane, and now the standout track on *Purest Form*, Francies's most recent release. Up-tempo, riff-driven and sinuously changing shape, extra notes added tension while drums fired up passion underneath. It was an uplifting end to a tightly argued set that, until then, had intrigued as much as it had engaged.

ronniescotts.co.uk

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16 November 2023 | 11am GMT | Webinar

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Swirling sound of violence and passion

OPERA

L'amore dei tre re
La Scala, Milan
★★★★☆

James Imam

Maestros from La Scala's pantheon of conductors have made *L'amore dei tre re* ("The Love of the Three Kings") what it is: Italo Montemezzi's best-known opera. Tullio Serafin led the work's premiere at the Milan house in 1913, winning the local audience's favour, while the towering Victor de Sabata conducted a production two decades later. No pressure on Pinchas Steinberg, then, the Israeli conductor who was leading the first staging of the work in 70 years at the temple to Italian opera.

A violent and sensual tale of passion and adultery in a generic medieval Italy, *L'amore dei tre re* was once a staple of many theatres – not least the New York Met, where conductor Arturo Toscanini, another La Scala legend, exported the work a year after the premiere. Today, the opera is largely forgotten. That did not stop curious opera-lovers in Milan turning up in droves last weekend on a near sell-out opening night.

Montemezzi's score weds influences of Wagner and Debussy with the full-throated lyricism of Italian verismo. Making his La Scala debut, Steinberg, who has conducted the work half-a-dozen times, drew playing that was so assured and nuanced it felt as if the opera had never left the repertory. His swirling evocation of transmuting harmonies brought another reference to mind: the incense-laced aural plumes of the Russian composer Alexander Scriabin.

The libretto, adapted by Sem Benelli from his eponymous play, tells of a blind king, Archibaldo, who kills Fiora, the wife of his son Manfredo, after proving she is having an affair with Avito, another prince. Montemezzi does much of the legwork of delineating the compact tragedy (it ran at just over two hours at La Scala, interval included) with heralding offstage trumpets, obsessively driving ostinatos and impassioned melodies. Steinberg blended vividly differentiated textures as if drawing them into the light from a dreamlike fog.

Alex Ollé's new staging provides little of inherent interest and, as a result, few distractions from the music. The singers, wearing black contemporary garb, with white for Fiora, move on a shadowy, mainly bare stage. Fiora and Avito fondle on a four-poster bed, while an imposing staircase that leads to a suspended platform represents the princess's tower. Hundreds of

metal chains draped on to the stage represent her sense of imprisonment by her regal pursuers.

Replacing an indisposed Günther Groissböck, bass Evgeny Stavinsky portrayed a rage-consuming Archibaldo in a dark, booming voice. The moment when the king's anger bubbles over, driving him to strangle his daughter-in-law, was thrillingly dramatic, casting a deadly silence over the auditorium.

Chiara Isotton, the La Scala Academy graduate whose career is taking off, was a passionate Fiora sung with a rich yet slender voice. She strikingly contrasted burning desire for her lover with skin-crawling contempt for her husband.

Tenor Giorgio Berrugi offered volcanic magnetism as the heroic Avito, while Roman Burdenko won sympathy as the opera's secondary victim, Manfredo. But, fine singing aside, this was Steinberg's night.

To November 12, teatroallascala.org



Evgeny Stavinsky, standing, with Roman Burdenko and Chiara Isotton in 'L'amore dei tre re' — Brescia/Amisano

FT BIG READ. MEDICAL SCIENCE

Emerging research is challenging the belief that new cases of the condition will rise exponentially as people live longer – with evidence that the absolute risk is lower than it was a generation ago.

By Sarah Neville

Stuart Lambie remembers the moment about five years ago when Alzheimer's disease started to rob him of his father. As the illness tightened its grip, the "true gentleman", who saw wartime service in the Royal Navy and later ran a successful business, became verbally aggressive towards the wife he had adored.

Lambie, who had never so much as heard his dad Ian swear before, says such behaviour would have disgusted the man his father used to be. "Well it wasn't the same person, it was the disease," he adds.

Dementia, with its capacity to alter and extinguish personality, rivals or even exceeds cancer in the panoply of our most feared conditions.

Determined to avoid his father's fate, Lambie, who is 64, has taken up running, eats a Mediterranean diet and is learning to play the piano – "my anti-dementia intellectual activity".

Yet beyond the wrenching personal experiences and the bleak numbers that have made dementia a priority for health systems around the world, global data on instances of new cases of dementia offers a shaft of hope.

Despite the widely held belief that dementia will rise exponentially as populations age, experts believe that, in the developed world at least, the prospects of avoiding dementia are stronger than they were a generation ago.

A study published in 2020, which drew together multiple pieces of research to track the health of almost 50,000 over-65s, showed that incidence rates of dementia in Europe and North America had dropped 13 per cent per decade over the past 25 years – a decline that was consistent across all the studies.

For Albert Hofman, who chairs the department of epidemiology at the Harvard TH Chan School of Public Health, the research shows "the absolute risk [of developing dementia] is lower now" than it was 30 years ago.

Early signs that the same phenomenon may be emerging in Japan, one of the world's most aged populations, suggest that the downward trend is becoming more widespread.

Hofman acknowledges that the idea of a diminishing burden from dementia may seem at odds with the vast numbers still contracting the disease. An analysis based on the Global Burden of Disease database, one of the most authoritative surveys of its kind, estimated that the number of people with dementia would increase from 57.4mn cases globally in 2019 to 152.8mn cases in 2050. However, even here there were signs that when population ageing was taken into account, prevalence would remain stable rather than surging.

While emphasising that the reasons for the reduction are not yet fully understood, Hofman believes better cardiovascular health is likely to be a significant factor. "In North America and in western Europe, there has been for 50 years now an enormous emphasis on preventing cardiovascular diseases . . . that led to heart attacks and strokes," he says. At least a third of the population over 50 now takes pills to control high blood pressure, he adds, and the use of statins, a group of medicines that reduce cholesterol, has risen.

Adding weight to this hypothesis, studies suggest that the reduction in dementia incidence rates has been greater in men, on whom efforts to reduce cardiovascular risk factors were largely focused in the 1970s and 1980s, an era when women were wrongly thought to be less susceptible.

But the downward trend initially took even experienced researchers by surprise. Carol Brayne, professor of public health medicine at the University of Cambridge – and the lead investigator for one of the longest established dementia studies, the Cognitive Function and Ageing Studies – was "staggered" when she first found evidence of the falling incidence. "I really thought [the trajectory of] dementia couldn't be changed because I thought it was so closely linked to ageing," she adds.

Now that theory is being reconsidered. The findings predate the availability of any medical treatments for the condition, so Brayne's hypothesis is that reducing incidence requires "optimising neurological function" throughout the course of a person's life by improving brain and physical health.

Hofman says that preventing dementia in practice may mean postponing it long enough that people can live their lives without feeling its effects. "For individuals it means . . . you die from something else," he says.

'An inconvenient truth'

One of the most powerful insights scientists have gained in recent years is the importance of better vascular health, how effectively your body carries blood to and from the heart, in the fight against dementia.



Why is there an unexpected decline in dementia?

The dementia field has come to appreciate that vascular pathology may contribute to Alzheimer's dementia, and not only to vascular dementia'

This may play a role not only in protecting against vascular dementia, the diagnosis given to up to 30 per cent of those who contract the condition, but in helping to ward off the development of symptomatic Alzheimer's disease, which appears to result from the accumulation of two toxic proteins, tau and amyloid beta, in the brain.

Francine Grodstein, professor of internal medicine at the Rush Alzheimer's Disease Center in the US, who led a study to investigate how brain ageing differed in participants over decades, says: "The dementia field has come to appreciate that vascular pathology may contribute to Alzheimer's dementia and not only to vascular dementia."

Worse vascular health is strongly related to development of clinical Alzheimer's dementia, she says.

Grodstein's study, published earlier this year, made a notable discovery. While signs of vascular disease in the brain appeared to have decreased over time, the extent of the distinctive markers of Alzheimer's in the brain stayed the same. This led the team to hypothesise that "any decrease in clinical Alzheimer's dementia might be due in part to better cardiovascular health and in part to increased resilience to [the causes of] Alzheimer's", such as amyloid plaque, rather than to a decrease in Alzheimer's pathology itself.

Chengxuan Qiu of the Aging Research Center at the Karolinska Institutet in Sweden, who led a 2013 study of older people in Stockholm that was one of the first to show a reduction in incidence of dementia, suggests the finding offers hope that the disease may be less intrac-

table than previously thought. "Even if we are not able to do so much about tau or amyloid, we can do something to promote the vascular health of the brain and that will also help to prevent, or to delay, the onset of symptoms," he says.

Other researchers believe the implications could be profound for the way the condition is viewed and approached. Jonathan Schott, professor of neurology at UCL's Dementia Research Centre, believes Grodstein's work is a key part of a collection of "different pieces of evidence that have been coming together for some time" to suggest that it is possible to substantially reduce the risk of developing dementia by improving health, perhaps particularly in mid-life.

As well as better vascular health, there is another factor that researchers believe has played a role in reducing incidence rates. Those whose brains remain nimble and active seem better able to tolerate the deterioration of dementia without any obvious loss of faculties, known as "cognitive reserve".

It is frequently associated with the length of time someone stays in formal education. Using brain samples, Cambridge's Brayne and her team "found that the higher the level of education, in terms of years of exposure, the less likely you were to express dementia".

The finding has split opinion among scientists: are those who are better educated simply able to cope with their symptoms for longer – or does education itself have a protective effect?

Securing definitive answers to such questions is proving difficult. As researchers seek to discover more about how durable the trend of reduced

incidence is likely to be, what lies behind it and how it might be sustained, they face a perennial struggle to raise the necessary funding for the laborious work of running big population studies.

One scientist argues the field is dominated by "the juggernaut" of biomedical research aimed at discovering the silver bullet drugs that will cure, or at least ameliorate, different forms of the disease – with a massive payday in prospect for any company that succeeds.

"There is pretty well no money being invested in epidemiological studies of dementia in the population at the moment," says Brayne, compared to the billions of pounds going into drug discovery and mechanistic research.

Her own work and that of her colleagues has uncovered what she wryly dubs "an inconvenient truth" – that the cobruts drug companies are using to study new medicines are far from representative of those diagnosed with dementia as a whole.

Rather than dividing neatly into the different forms the illness can take – vascular, Alzheimer's or Lewy Body, the second most common type – post-mortem brain analysis conducted by CFAS researchers showed most cases combined elements of the different versions. In contrast, participants involved in the trials for the new Alzheimer's drugs tended to have "the rarer, purer forms" of the disease, Brayne adds.

As a result, any findings about the efficacy of a new medicine may not translate to a wider population.

Another complicating factor is age. Test subjects were often a decade younger than 84, the average age at

Stuart Lambie and his late father. Lambie has taken up running, a Mediterranean diet and is learning to play the piano as a way to stave off Alzheimer's disease

Andrew Fox/FT

which the disease develops. Such studies could miss the extent to which older people were able to tolerate significant levels of amyloid plaque – a major signifier of Alzheimer's – without showing symptoms, she warns.

"We know that most dementia occurs in the oldest old with all that mixed pathology," adds Brayne. "If you're only detecting and targeting one protein, which we know can be tolerated in the brains of older people, you'd potentially be overmedicating massively."

Global outlook

At the moment, the fall in dementia incidence rates is an exclusively rich-world phenomenon. However, Harvard's Hofman says big population studies, which generate the most authoritative insights, are under way in Brazil, Nigeria and South Africa, adding: "I have hope we will see the same pattern."

Changes are already evident in Japan, where a study of over-65s in the town of Hisayama, which has been running since 1985, found the proportion with dementia fell from 18 per cent in 2012 to 12 per cent a decade later. The team will not complete a full analysis of the most recent data until next year, but Professor Toshiharu Ninomiya, lead investigator, says this evidence of reduced prevalence and also a reduction in mortality from the disease suggested that incidence, too, was likely to have fallen.

Cases would continue to grow, he forecasts, but at a much slower rate. Whereas in 2010 he had estimated that there would be 8mn cases of dementia in the Japanese population by 2050, he now believes a more accurate figure is likely to be 5mn.

Ninomiya says the Hisayama study has helped to encourage focus on education and awareness and better management of lifestyle diseases that is now spreading throughout Japan. "People say it is very difficult to prevent dementia but I think our new data . . . shows the possibility of [doing that]," he adds.

Whether the downward trajectory will endure remains unclear. The advent of processed food and sedentary lifestyles since the middle of the last century, including a startling rise in obesity in the past 40 years, means some in current generations lead less healthy lives than their parents or grandparents.

Brayne's most recent CFAS study from 2010 to 2014 found the fall in dementia occurrence was significantly less in deprived areas, underlining the impossibility of divorcing the disease from "social determinants", such as decent housing and nutrition.

Dr Susan Mitchell, head of policy at Alzheimer's Research UK, the charity, says: "I can only hypothesise about this, but given what we know about other changes that have been happening, with increased prevalence of diabetes, of obesity, [which are] risk factors for dementia, we may see the incidence rates start to increase in the future."

A study published last week provides some statistical ballast for such concerns. The research, published in The Lancet Public Health, indicated that dementia incidence decreased in England and Wales by 28.8 per cent between 2002 and 2008, but increased again by 25.2 per cent between 2008 and 2016.

Eric Brunner, one of the researchers on the study, says while there is a possibility their findings are part of a natural fluctuation in cases, "we're pretty confident that the uptick seems to be real" – although it would now need to be replicated in other countries. The role of social factors, as well as the massive rise in obesity and type two diabetes, was supported by the study's finding that the biggest rise in new cases had been in those with the least education, he adds.

A combination of preventive measures and new drugs to treat the disease have the potential to change the outlook for dementia more completely than would have seemed possible back in the 1990s, researchers believe.

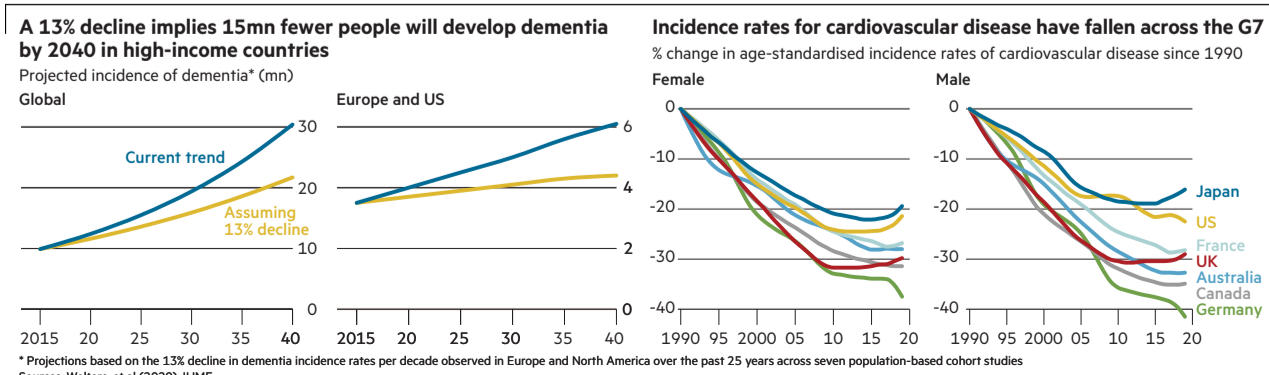
Hofman at Harvard welcomes the fact that thousands of scientists around the world are focused on finding ways to limit the dreaded effects of dementia, once considered a "silent epidemic".

There is still a long way to go. The veteran researcher, who has been working in the field for four decades, points to the estimate that about one in three cases could be averted through better heart and brain health, a percentage that is "not bad" but could be better.

From health systems traditionally focused on treating rather than preventing disease, a shift in funding and focus may be needed, he suggests. "In the UK, in the US, in western Europe there has not been very much except for lip service on prevention. And really, we need dedicated strategies for that."

Hofman is not a believer in silver bullets. But in a field where breakthroughs have often proved elusive, he is allowing himself some cautious optimism: "Overall, there is reason for hope."

Data research by Amy Borrett



The FT View



FINANCIAL TIMES

"Without fear and without favour"

ft.com/opinion

The catastrophe unfolding in Gaza

Israel must stop the bombing, and allow more aid into the besieged strip

Each day for the past three weeks the reports coming out of besieged Gaza have become ever more grim. Bodies piled in pick-up trucks. Children being pulled from rubble. Residential districts flattened. Thousands killed. About 1mn people forced from their homes.

Then there are the crippling shortages of food, water, and fuel needed to power desalination plants and generators. Basic services, poor even before Israel mounted its retaliatory offensive on Gaza in the wake of Hamas's October 7 attack, have collapsed. It will only get worse. Israeli tanks rumbled into the strip under the cover of a ferocious aerial bombardment on Friday night as prime minister Benjamin Netanyahu declared that a new, expansive phase of the war had begun.

Israel, a country born into conflict and with a deep sense of vulnerability, has every right to defend its citizens and respond to the Islamist militant group's assault. More than 1,400 people were killed, making it the deadliest attack on Israeli soil since the state was founded. Hamas committed atrocities. Women, children and the elderly were among the dead. More than 230 people, including civilians, were taken hostage.

But Israel's collective punishment of the 2.3mn people trapped in Gaza — almost half of them children — must stop. More than 8,000 people — including more than 3,000 children — have already been killed in Israel's three-week bombardment of the strip, according to Palestinian health officials.

US President Joe Biden said last week he had "no confidence in the number that the Palestinians are using" for the dead. But in past Israel-Hamas conflicts, when the dust settled and UN agencies did their own tallies, no huge discrepancies appeared with those put out by

Gaza's health officials. Rather than quibble about numbers, Biden's focus should be on pressuring Israel to protect civilians and respect the rules of war. The scale of devastation in the strip is plain for all to see. UN officials have expressed alarm about "the clear violations of international humanitarian law" taking place in Gaza. Israel has laid siege to Gaza and has instructed half the population to move south away from the enclave's north. It accuses Hamas of using civilians as human shields.

Now Israel has ordered the evacuation of schools and hospitals in the north where tens of thousands have sought sanctuary. The Israel Defense Forces estimates there are still 300,000-400,000 people in the north — the focus of the ground offensive. All the while, Israel has allowed only a trickle of aid into Gaza — about 131 trucks compared to the 500 that entered daily before October 7.

In the background, violence is escalating in the occupied West Bank, where

It is time for a humanitarian ceasefire to ease the suffering of Palestinians and cool regional tensions. Hamas has to release all hostages

more than 100 Palestinians have been killed, some by security forces and others by Jewish settlers. With tensions soaring across the region and beyond, diplomats fear a broader conflict could erupt.

It is time for a humanitarian ceasefire. That would ease the suffering of Palestinians and cool regional tensions. Hamas must release all hostages.

Israel's allies must press Netanyahu's government to allow more aid into Gaza and to lift its siege. They must also steer Israel towards a more plausible plan to negate the threat posed by Hamas — one that does not drive Israel and the region into the abyss.

Hamas struck a catastrophic blow against Israel on October 7. Israel must now avoid falling into the trap of enabling the militants — who count every Palestinian victim as a martyr to their cause — to capitalise on that. The greater the suffering of Palestinian civilians, the more likely it is that Israel will lose support in the west, while further enraging the Arab and Muslim worlds.

Email: letters.editor@ft.com

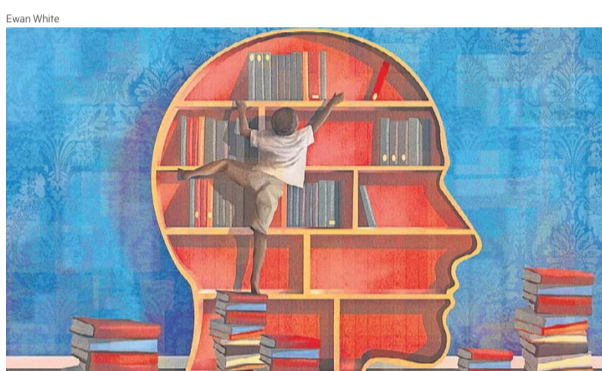
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Opinion Society

Should we tell our children fairy tales about race?



Stephen Bush

The Romans were a lot like us in many ways. They had organised religion, working drains and dentistry. But what they didn't have was black people. Certainly, there were many Romans with dark skin, and the Roman empire had many encounters with other nations and empires ruled by people we would now class as "black". But our definition of blackness is something invented gradually over the course of the modern era.

Unlike other modern inventions, however, there is a healthy cottage industry that likes to extend the concept backwards through time. In the UK, a new children's book, *Brilliant Black British History*, defines both Quintus Lollius Urbicus, one of Britain's Roman governors, and Septimius Severus, the Roman emperor whose

What is the right mixture of deceit and openness to prepare the very young for the big wide world?

campaign to conquer what is now Scotland was cut short by his own death, as "Black Britons".

In historical terms, of course, this is pure fiction. Severus was born in Africa and is depicted with dark skin in contemporary work, but he was no more "black" in the sense we understand it today than growing up near a Roman road makes me a centurion. He was not a Briton and, having come here as a conqueror, would have found the term insulting.

But of course, *Brilliant Black British History* is not really a history book, just as the surprisingly engaging hit Christian cartoon series *Veggie Tales* is not really biblical education. These are actually morality plays for concerned parents to read to small children to prepare them for adult life. So too are the whole gamut of what you might call "Feelgood Tales for Liberal Tots": the Little People, Big Dreams series, which wants to teach kids that they can do anything and be anything. This features heavily sanitised stories about the likes of Coco Chanel (heavy on the entrepreneurship and the stylish outfits, light on the Nazism and the cocaine) and Jean-Michel Basquiat (much is made of the art and his sexual openness, less of his early death and heroin habit).

Even *Veggie Tales* is frowned upon by some ultraorthodox Christians for implying that talking vegetables can enter the Kingdom of Heaven, a privilege extended only to humans. But it is not, I think, particularly helpful, to criticise *Brilliant Black British History* because it is flatly contradicted by Olivette Otele's marvellous *African Europeans: An Untold History*, or to find *Veggie Tales* wanting because it falls short of what the Bible actually says.

These are texts designed to point children towards these books when they get older. As such, they grapple with the same challenges that parents and schools have to reckon with across a whole swath of issues, from race to religion to sexual health to politics: what is the right mixture of deceit and openness to prepare small children for the big wide world?

The exact consequences of telling children about Coco Chanel and leaving out her Vichy collaboration are hard to measure, but we have better data available about what children think when it comes to race. As Marguerite Wright explains in her brilliant book *I'm Chocolate, You're Vanilla*, which draws on her experience of working with American children, preschoolers have little intuitive grasp of race. Asked what colour she was by Wright, one of her subjects replied first that she was "blue", and then "red". Another said she looked the same as another child because they went to school together.

Indeed, small children, even in an ultra race-conscious society like the US, have a more healthy attitude towards race than adults. When they begin to grasp that they are neither red nor blue, they reach for more accurate labels like "peach" or "chocolate". It is only as they get older that they reach for adult categories and begin to repeat adult stereotypes.

Children's open and liberal attitudes about race will inevitably collide painfully with the society they live in. Some will experience racism, others will perpetrate it and some will do both. But in preparing them for all this, it is not necessarily helpful to say Severus was black or British. It's also, to put it mildly, optimistic to end as *Brilliant Black British History* does by saying "one day, racism will be over".

What the book is meant to do is to arm young black children with the ability to say "no, I'm part of this country too, and have been for a long time", just as a kids' history of Coco Chanel is meant to encourage young readers to think they can be both stylish and successful at business. Fairy tales work, as anyone who has spent any time around a small child will tell you. Recounting them in preparation for adult life is fine — provided that you remember they are only fairy tales.

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Letters

EU approach to landing slots will not foster airline competition

The EU proposals to tighten rules for airline mergers (Interview, October 17) seek to "ensure slots are allocated to rivals on routes with competition concerns". A lesson I learnt after 20 years in the aviation sector is that it is the wrong framework to use when evaluating airline mergers and joint business.

Instead of slot releases specific to routes with competition concerns, it is better to ask for slots that can be used on any route. Otherwise, the slot

release will provide little meaningful competition. We saw this effect when the EU required British Airways-American Airlines to release slots on the London-Philadelphia route when approving their joint business. BA has a hub at Heathrow and AA at Philadelphia, and the hub-flow traffic to BA-AA makes it very hard for competition; Delta tried and failed.

A better option would have been to release slots for any route, allowing perhaps Virgin to add flights to San

Francisco or Boston. This would have reduced the increased grip of BA at Heathrow via the joint business.

Merger candidates KLM and SAS compete on Amsterdam-Copenhagen. Slots should be released at both airports, allowing competitors to add flights anywhere, to Madrid or Athens or New York.

I am pro-consolidation in Europe. It is a fragmented market full of lossmaking airlines that are often just sustained on public funds. The

example to follow is the US, where six lossmaking airlines merged into three profitable mega-airlines that compete aggressively with each other. This has enabled them to invest in product and expand networks. The difference is that there are almost no slots in the US; anybody can compete anywhere.

We need more runway capacity to open more slots, but that's another story.

Abigail Perez
Edinburgh, UK

Why carbon offsets are no answer to the climate crisis

Burning fossil fuels causes near permanent changes to our planet's atmosphere. In "Carbon-neutral claims for latest Apple devices under close scrutiny in Europe" (Report, October 26), Kenza Bryan's article on Apple's claim that its newest generation of Apple Watch is "carbon neutral" does a great job of highlighting a fundamental weakness that lies at the heart of the global offsets market — not just one company's offsets.

Truly undoing the harms caused by burning fossil fuels requires safely storing carbon dioxide out of the atmosphere for millenia. That's because the fossil carbon we burn lingers in the atmosphere for tens of thousands of years. Like an overflowing bathtub, we're adding carbon dioxide to the atmosphere faster than it can be removed, resulting in rising global temperatures.

Carbon offsets, especially those related to planting trees, typically store carbon for a few decades.

While Apple's carbon neutral claim is almost certainly misleading to consumers, it's important to emphasise



that the physical inconsistency between the lifetime of offsets and the lifetime of carbon dioxide is a much broader problem — and explains why the EU is so keen to rein in claims of "carbon neutrality" in general.

Grayson Badgley
Research Scientist, CarbonPlan
San Francisco, CA, US

This library books returns policy deserves attention

One alternative to library fines, which Soumaya Keynes mentions briefly in her column "Are library fines reaching their denouement?" (Opinion, October 20), is to temporarily block further withdrawals for borrowers who return their books late. This policy deserves greater attention.

I used to live in Andalusia in Spain, where library users are blocked from borrowing anything for one day, for each day a book is overdue. It proved far more effective than the threat of a fine.

I think it works like this: the people who return library books late are precisely the same people who want to be able to borrow them at will, then keep them lying around only to return them late again. In other words, we book lovers are a selfish bunch.

The thought of being prevented from borrowing whatever I liked, whenever I liked, saw me running to return my books, and sorely ruing the two or three days I was repeatedly deprived of my rights.

Alasdair Gillon
Edinburgh, UK

Your story about piano removals struck a chord

I read with interest Pilita Clark's article on expenses claims, including what she says may be the apocryphal story of a journalist who shipped a grand piano from Africa (Business Life, October 23).

Back in 1969, I shipped my wife's Blüthner, which came from Carlisle, Cumbria, all the way to Tripoli, Libya. Occidental, my employers, met the costs. Those were good days to be working in the oil industry.

Robert David Barnfather
London TW10, UK

Correction

● Blackstone is not an investor in the Swedish battery maker Northvolt as wrongly stated in an article on October 24.

OPINION ON FT.COM

Revisiting the CABastrophe's risk factor disclosures

Shares in the Africa-focused fintech firm have been in free fall, writes Craig Coben
www.ft.com/alphaville

OUTLOOK

AMERICA

Citizens deciding how to spend public cash is a useful experiment



by Patti Waldmeir

The diseased state of US democracy was never more in evidence than during the unseemly struggle to find a Speaker

for the House of Representatives. Ordinary Americans are fed up with political paralysis, so some are trying to fix democracy from the ground up.

Several US cities — including New York, Seattle, and the small town of Evanston, Illinois, where I live, — are experimenting with "participatory budgeting", a form of direct democracy that lets citizens decide how some public money is spent. Pioneered in Brazil in 1989, it has been tried around the world, including the UK.

It's a "school for democracy", according to Vincent Russell, who helped introduce participatory budgeting to Greensboro, North Carolina almost a decade ago. "We only need to look outside our window to see the ways our current political system does not work for everyday people," he says, adding "even if it's just a little, it can shift people's perspective on the role of government and what it can achieve".

But earlier this year Greensboro gave up on the process. It failed, said Russell, partly because city leaders resisted it. It's also in decline in Brazil, where it started. And research done by the city of Burnsville, Minnesota, on projects around the US, found that, on average, only 1.3 per cent of locals participated in such polls.

That didn't deter Evanston from inviting me and my neighbours to

vote last month on how to spend \$5mn in American Rescue Plan funds. Turnout was a whopping 8.4 per cent.

Jimmy Hill, 74, cast his vote at the local community centre, where an unattended cardboard box invited him to "Vote Here". "I've lived in Evanston for 55 years and I'm a taxpayer but I feel like I'm not really involved in what happens," Hill told me. "This makes me feel more engaged in the political process".

I voted for seven projects, including a mobile dental bus (for those whose state medical insurance isn't accepted by local dentists), an entrepreneurship mentoring programme run by an African-American single mother, and a senior transport subsidy. They all lost. Winners included mental health first aid training, affordable refugee housing and small business grants.

Evanston, which I often joke is more leftwing than several communist countries I have lived in, faced no apparent pushback to giving anyone aged 14 and over — whether registered voters or not — the chance to spend so much federal money. Not so the Midwest city of Cleveland, where the mayor and city council presidents fervently oppose a proposal on next week's ballot that would designate two per cent of the city's general fund (\$14mn at current levels) to a permanent People's Budget.

"This will be devastating," Cleveland City Council President Blaine Griffin, a Democrat, told me. Opponents say the process, run by a steering committee, will create a "shadow government with

unelected, inexperienced and unaccountable people spending millions of dollars". It could lead to cuts in services and staff but Griffin says it's hard to fight: "when you put people and democracy in the same sentence, people think it's a good thing".

Molly Martin, lead organiser for People's Budget Cleveland, a campaign group, told me "one of the beauties of PB is that it's training everyday citizens to ask smart questions".

But an editorial in the local newspaper argues that the city "already has a participatory budgeting process. It's called City Council. Any citizen who wants to participate in how the city spends its money is free to run for council, attend council meetings, and of course, vote". In Evanston, the same city email that announced the result of our PB vote also invited me to public hearings to influence the main city budget.

But Gary Hytrek, who is involved in a California scheme, says "PB is less about voting than about learning to 'do' democracy. Discussing how money is spent and the needs of communities is more important than the physical act of voting". He believes we have to start with civic engagement "to break through the partisan divide at national level". Maybe it's time we went right back to brass tacks on democracy in our own neighbourhoods. I've given up thinking anything can be done to cure Congress.

The writer is a contributing columnist, based in Chicago

Opinion

We might be surprised by our reactions to generative AI

TECHNOLOGY

Elaine Moore



model Gemini while Microsoft will be selling its AI-assistant Copilot. We could find ourselves surrounded by prompts offering to summarise meetings, write emails and fill in spreadsheets.

No one knows how the public will react. Governments fret about catastrophe. Yesterday, Joe Biden issued regulations requiring AI companies to notify the government if they are developing models that pose a security risk. The UK's eye-catching AI summit at Bletchley Park this week is likely to examine everything that could go wrong, from enabling fraud to facilitating attacks. But these sorts of outcomes will not occur immediately, if at all. Nor will the dreaded job losses. What will happen first is a shift in our own behaviour.

Most discussion about generative AI focuses on the ways it can help users. Little time is spent thinking about the impact on recipients. But computer-generated words carry less weight. At a recent debate on AI in Hong Kong, one speaker revealed that what she was reading had been generated by a chatbot. The words sounded convincing, but her revelation stripped them of meaning. My attention instantly wavered.

The turning point could be 2024. Plans are in motion to knit generative AI into our everyday lives, particularly at work. Google is about to release its AI

My guess is that you will react the same way if you know that what you are reading or hearing was not made by another person. It could also change the way we interact online. Once you realise there is no one at the other end of a message, there is no need to type out complete sentences. What matters are key words. Courtesies become unnecessary too. Even when sending a message

Much depends on whether we will have fail-safe ways to know what has been generated by a human

to a real person, the knowledge that they are using generative AI to parse that message and extract information means there is no need for niceties. Communication could be pared back to a brusque exchange of facts.

If you are an optimist, you may believe that this will make us all more productive. It could make real-world interactions more precious too. Fussy formalities may not be missed. Much

depends on whether we will have fail-safe ways to know what has been generated by AI and what has not. Without clear watermarks, I think trust will falter.

Not everyone agrees with me. The people I know who already use generative AI (mostly friends who work in tech in San Francisco) say that drafting the prompts necessary for creating the right content means there is still human-to-human involvement.

Some tech companies believe we will not interact with AI-generated text any differently than we already do with each other. Meta is planning to roll out more AI chatbots with their own Instagram and Facebook accounts. Mark Zuckerberg expects AI experiences to become a meaningful part of all of Meta's apps, with creators across social media able to create their own AI versions that can interact with fans, create content and, in time, interact with one another. It will be, he says, "almost a new kind of medium and art form".

"Art form" is a dubious description. Low-effort monetisation scheme for busy creators might be more accurate. But what sort of interactions with fans

does Meta expect? The comments on videos produced for an early version of this idea, featuring videos of dancer Charli D'Amelio on an AI account called Coco, are variations of "I don't get it" and "this is scary".

All new technology goes through a life cycle. AI is in the research and development spending stage. If it reaches the next phase, we can expect mass deployment. If that happens, the scale of AI's impact is being compared to the industrial revolution.

Our own reactions could come as a surprise to us. There was a mini-trend this summer in which people aped the mannerisms of computer-generated non-player characters, or NPCs, in their videos. The jerky movements and blank expressions of creators like Pinkydoll and Nicole Hoff make them look like digital avatars.

Many of us will accept the help that AI offers. Some of us will reject it. Other attitudes may be more peculiar. Instead of trying to distinguish what is and is not real, we might instead opt to blur the lines.

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Forget dieselgate – 'tyregate' is a bigger emissions scandal

Nick Molden

at lettuce and you are eating tyres. Your diet may still be vegetarian, but not as green as you think.

We know this from a recent study that traced how a particular chemical was drawn up through the roots and into the leaves of a lettuce plant as it grew. This chemical is overwhelmingly found in vehicle tyres.

As we drive, our tyres wear down and release invisible particles that we inhale and ultimately ingest. Strikingly, the rate of release of these particles is almost 2,000 times greater than the mass of particles from a modern exhaust pipe. It looks likely, then, that these apparently mundane yet economically vital and technically sophisticated products are a source of pollution that will make Dieselgate – the exhaust emissions cheating scandal of 2015 – look minor. The difference? No rules are being broken, yet current US and EU polices promoting battery electric vehicles through subsidies are set to make the problem worse.

Tyres work hard. They are the only points of contact between a vehicle – which often weighs more than two tonnes – and the road. Those on battery vehicles, which often weigh an extra half tonne compared with conventional vehicles, are usually even bigger and wider to compensate. Add to that the sharper acceleration potential of battery vehicles, and you have a recipe for up to 20 per cent higher tyre emissions.

Very soon, if not already, the total tyre emissions from all vehicles in the US will exceed exhaust mass emissions. By the time sales of new internal combustion

Rubber particles are released at a rate almost 2,000 times greater than particles from an exhaust

engine vehicles are banned in 2035, tyre emissions will be many times higher. We shouldn't stop electrification, but we should recognise that battery vehicles are far from emission free. Car weight matters when it comes to the climate.

When we think of products of strategic national significance, we rarely consider tyres. Without them, though, economies would hardly function. Cement kilns are powered by burning tyres as cheap fuel. Asphalt roads contain pieces of them to reduce noise. Clever tyre formulations can deliver lower rolling resistance to vehicles, giving a carbon dioxide emissions benefit to the manufacturer. Even football pitches often rely on ground up old tyres. With their use, however, come adverse environmental impacts, such as deforestation in Asia, the deaths of salmon as a result of ingesting road run-off and lives lost to cancer from football pitch fumes.

Leading players in the tyre industry are already working to mitigate these effects, in advance of looming regulation. Modifying the ingredients and formulas for tyre-making can reduce the potential toxicity of particles released, although this puts the price up. When those tyres are worn out, drivers often replace them with the cheapest option. Therefore, the electrification of cars must come hand in hand with the regulation of replacement tyres.

European authorities are racing to develop the "Euro 7" regulation, part of which seeks to reduce tyre emissions on all vehicles by limiting the rate of rubber loss through abrasion, based on a standardised test. The flaw in the European approach, however, is that it only focuses on reducing the rubber mass shed by tyres, with little consideration for how to control the quality of replacement tyres, and of the chemical composition. The price of lower wear may be greater toxicity.

Tyres are all around and inside us – yet none carry an ingredients list. If there is any doubt about their potential damage, consider the Chinese subjects of a recent peer-reviewed scientific study, who had their urine tested. An average of 709 nanograms of the very same tyre preservative found in the lettuce were passed per person daily. That may seem a tiny amount, but zero nanograms would be preferable, given what we know about the toxic effects in fish. To avoid our decarbonisation mission backfiring, we must take the tyres problem seriously.

The writer is CEO of Emissions Analytics

The threat of a wider war in the Middle East

GLOBAL AFFAIRS

Gideon Rachman



puts it: "All the countries involved have thresholds that, if crossed, will make them believe they have to act. But nobody really knows what the other side's threshold is."

Over the weekend, Iran issued a clear threat that its own threshold is getting closer. Ebrahim Raisi, the country's president, took to X (formerly Twitter) to state that Israel's actions in Gaza have "crossed the red lines, and this may force everyone to take action." He added: "Washington asks us to not do anything, but they keep giving widespread support to Israel."

So how could escalation play out? One indication came last week, when the US bombed Iran-backed militias in Syria. Washington said that it was responding to attacks on US forces in Iraq and Syria, carried out by Iranian proxies. If those attacks continue, and American troops are killed, the next US response will be even fiercer.

The role of Hizbollah, the Iran-backed militant group based in Lebanon, is crucial. If Hizbollah steps up its attacks on Israel, it has enough precision-guided missiles in its armoury to essentially force most of the civilian population of Israel into bomb shelters.

Benjamin Netanyahu, Israel's prime minister, has threatened Lebanon with "devastation", if Israel is attacked from its territory. But if Hizbollah is in danger of destruction, Iran could send in troops from the Islamic Revolutionary Guard Corps to fight alongside its ally. At that point, Israel might decide to strike the IRGC in Iran, as well as in Lebanon.



Other Iranian proxies around the region would also probably respond to a war involving Hizbollah, by stepping up their attacks on Israeli and American targets. Iran might also finally act on its occasional threats to close the Strait of Hormuz, through which much of the world's oil flows – perhaps by mining the strait. That would send the global economy into a tailspin and also directly threaten Saudi Arabia.

The US Navy would attempt to reopen the strait. But that might lead Iran and its proxies to hit back. The US has troops and facilities all over the region that could be targeted – including in Bahrain, the United Arab Emirates, Qatar, Syria and Iraq.

One Iran-backed force that the Americans are watching with particular

All sides believe there are certain events that it would be very dangerous for them not to respond to

concern are the Houthis in Yemen – who were targeted in a brutal war with Saudi Arabia. Houthi forces fired rockets towards Israel last week. They have also hit Saudi oil facilities in the past. A few precision missiles could destroy the desalination plants that supply water to the Saudi capital, Riyadh.

A conflict that unfolded in this way would be a disaster for every one of the participants – and they all know it. It could happen nonetheless because all sides also believe that there are certain events that it would be very dangerous for them not to respond to.

Israel has invaded Gaza, without a credible exit plan, because it feels it must "restore deterrence". Iran believes that it has to show that its "axis of resistance" is supporting the Palestinians. America believes that it must respond forcefully to any attacks on its troops.

Not everybody in the region is panicking. In Riyadh last week, I found some well-placed Saudis asserting confidently that this was just another

crisis in a historically unstable region. The kingdom's ambitious modernisation agenda – Vision 2030 – remained on track, they insisted.

But the business-as-usual crowd in Riyadh are burying their heads in the sand. Crown Prince Mohammed bin Salman, the country's de facto ruler, is very worried about the risk of a regional war. MBS's strategy, says one confidant, is to "put pressure on the Americans to put pressure on the Israelis". The Americans, for their part, hope that MBS, Qatar and even China can persuade Iran of the dangers of escalation and the need for restraint.

This crisis has already led to an unprecedented conversation between MBS and the president of Iran. Like the Russian and German emperors before the first world war, the Iranian and Saudi leaders were willing to talk to each other – in a bid to avoid a catastrophic war. It did not work in 1914. Let us hope this time is different.

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What the ubiquitous syringe tells us about US supply chains

Willy Shih

Connecticut, one of the last two large-scale syringe factories left in America, raised some important questions about the scale of that challenge.

In the US, we use about 10mn syringes a day – two out of every three medical procedures involve one. Hospitals, pharmacies and doctors' offices use them for everything from intravenous injection of drugs, to intensive care unit infusion of critical drugs, to the maintenance of catheters. Their quality and precision are critical to patient safety, yet they are amazingly inexpensive, typically selling for about 15 cents each.

In 1954, BD supplied disposable glass syringes for Jonas Salk's first polio vaccine trial and supported the subsequent vaccination campaign.

The Canaan factory, which started operations in 1961, was a big supplier for H1N1 flu shots and, of course, for Covid vaccine shots. It has about 400 employees who produce more than 2bn medical devices a year, which means over 5mn units per employee per year. Each syringe is individually packaged,

sterilised and then boxed in quantities of 100 or more.

I was told that the output of the factory fills between four and seven 53-foot semi-trailers a day, depending on size mix (with 1mn units in each trailer). Eighty per cent are shipped all over the US and the rest exported. The factory is highly automated, and it runs around the clock, so there are not that many people on the floor.

Most end users in hospitals and medical facilities don't know where the product came from

I draw two conclusions from these observations. First, that labour costs are not an issue because worker productivity is so high. And second, that capital costs are low because most of the equipment is fully depreciated, except for a relatively new electron beam sterilisation system.

So why do these domestically produced syringes cost slightly more than the ones made in China?

Material costs, mainly the polypropylene plastic for the syringe body or the polyisoprene (a synthetic rubber) stopper that is part of the plunger, represent more than half the manufacturing cost. These are made from resins derived from oil, and right now oil is cheaper for Chinese manufacturers because they can buy it from Russia.

The BD factory had its Food and Drug Administration inspection in mid-September. A quick search of the FDA website for a few Chinese manufacturers importing into the US indicated no inspections since 2018, well before the pandemic.

Among the reasons one would want to inspect the factories is to ensure consistent product quality and avoid safety issues from over- or under-infusion of drugs due to size variations (this is especially critical in paediatric and neonatal patient populations). One would also want inspections to check drug stability and potency shifts if

pre-filled and unqualified materials were used in manufacture.

The other challenge with syringes is that because they and similar items are sold to medical product distributors and may pass through several layers before reaching the medical professional who ultimately uses them, most of these end users in hospitals and medical facilities don't know where the product came from. And they have too many other immediate things to worry about instead of where it was made or whether they will be able to get it in the next crisis.

But, for a matter of just pennies per syringe, the US seems to be going down a path towards losing its last large-scale domestic syringe manufacturing capacity. I recently received my Covid booster and flu shots, and I would have happily paid a nickel or a dime more for domestically produced syringes to make sure I could get them in the next pandemic.

The writer is a professor of management practice in business administration at Harvard Business School

Lex.

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Israeli gas: pipe themes

The conflict in Israel threatens much in the region and beyond. Rising tensions and security concerns also have potential repercussions on the country's ambitions to grow its natural gas exports.

In the space of little more than a decade, Israel has become a significant gas producer and regional exporter. It produced almost 22bn cubic metres of gas last year from its giant Leviathan and Tamar fields, of which, 9 bcm were piped to Egypt and Jordan. Chevron is a major shareholder in both fields.

Israel's NewMed Energy owns 45 per cent of Leviathan, while Abu Dhabi's Mubadala owns 22 per cent of Tamar. News that the Israeli government awarded a further 12 exploration licences over the weekend, to operators including Italy's Eni and BP, underscores its growth ambitions.

The immediate consequence of the conflict has been a shut-in of the Tamar field. This has caused exports to Egypt to dwindle, which is a serious problem for Israel's much more populous neighbour.

The cut in Israeli imports comes amid falling domestic production in Egypt. It was down 10 per cent in the first eight months of the year, according to Greg Molnar at the International Energy Agency. The country experienced power cuts during the summer. Last winter, Egypt managed to export 4.5 bcm of gas. Without a resumption of Israeli imports, it will struggle to do so again.

Israel has the potential to grow its natural gas production, perhaps by 15 bcm by 2026, through the ramp-up and development of existing fields. New exploration — such as that envisaged by the recently awarded licences — could add resources.

While not huge by international standards, Israel's gas resources have regional and geopolitical importance. For instance, it is a potentially attractive source of — non-Russian — gas for Europe. New export routes, including an LNG terminal in Israeli waters, or a pipeline to Europe, have accordingly been floated, although the latter could need to overcome costly technical challenges.

Yet, for Israel's budding gas sector, time is of the essence. The US and

Qatar are rushing to increase LNG supply capacity. More of this fuel is widely forecast for the middle of the decade. Should the conflict slow the pace of investment, the country risks missing its moment.

McDonald's: bun fun

American consumers are an economic paradox. Interest rates are at a 22-year high, inflation remains elevated and any pandemic-related personal savings are depleted. Yet they continue to spend freely, helping to propel the economy to a blistering pace of growth in the third quarter.

Their resilience was on display in McDonald's earnings yesterday. The world's largest fast-food chain served up a 14 per cent increase in third-quarter revenues. Operating income grew 16 per cent. Within this, US same-store sales expanded 8.1 per cent as consumers were willing to pay more for burgers, fries and shakes.

Not everyone is flush with cash. McDonald's warned of a slowdown among lower-income customers. It said foot traffic in the US suffered a "slight dip" during the quarter. The chain noted fewer visits from customers with annual incomes of \$45,000 or below across the fast-food industry.

But investors need not worry. McDonald's size and scale means it can cope. Chief among them is its "barbell" pricing strategy, promoting traffic-driving deals on low-priced menu items alongside new, pricier offerings. The chain aims to capture diners from both ends of the income spectrum.

McDonald's shares are down about 12 per cent from the record highs of June. That has knocked its valuation as well. It trades on about 22 times forward earnings, compared with its three-year average of about 25 times.

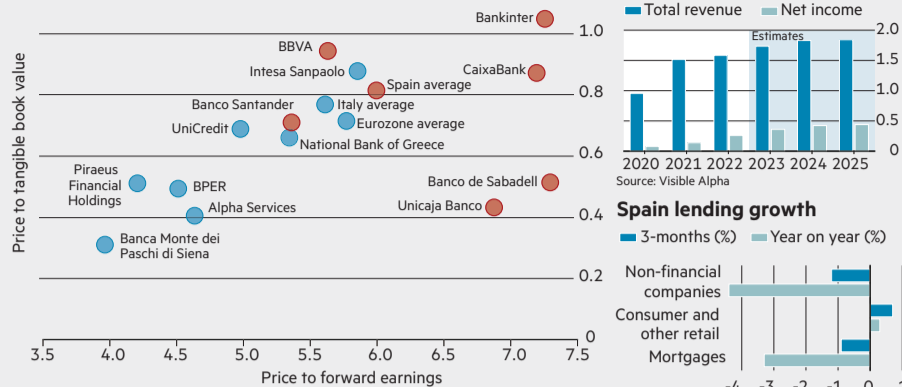
Burger King owner Restaurant Brands International and KFC owner Yum Brands trade at about 20 and 22 times, respectively. Given McDonald's strong digital offerings, size and brand, the stock deserves a premium.

Nevertheless, it must maintain a delicate balancing act. Profitability could fall if it leans too much on value items, worse if it prompts other chains to lower prices as well. For now, McDonald's sits in an inflation sweet

Unicaja: retail therapy

More bad loans are depressing price to book valuations of some Spanish banks. Higher interest rates mean lending volumes are now shrinking but should also mean profit growth continues into 2024.

European bank valuations



FT graphic Source: Citi

Belt tightening and deleveraging are increasingly the norm for Spanish consumers. This is rational given interest rates at 20-year highs.

But a 55 per cent decline in new mortgage lending still surprised Unicaja shareholders yesterday.

The shares dipped as much as 5 per cent in response. That was despite a 35 per cent rise in third-quarter net profits that beat market forecasts.

Spanish bank shares have outrun most European peers this year. One reason: yields on their lending books track the central bank's interest rates. Geared towards mortgages, Unicaja is benefiting — average loan yields rose 50 basis points over the quarter to 3.09 per cent. Meanwhile, Spanish banks have

spot. Demand is robust and consumers seem relatively insensitive to price changes. A happy meal for shareholders.

Frasers/Missguided: label stable

Recycling is in fashion. That applies to brands as well as clothes. Many famous-but-faded names have an afterlife, long after the collapse of the original business. That explains what has become a lively trade in intellectual property.

Yesterday, Chinese-founded Shein made its first purchase of a UK brand when it bought the IP and trademarks of teen fast-fashion group Missguided. The seller, Mike Ashley's Frasers, had

only slowly passed on higher rates to their depositors. Deposit costs at Unicaja rose just 10bp into the third quarter to 0.47 per cent, one of the lowest pass-through rates in the sector.

Even without further rate rises, net interest income should grow next year, boosting profits.

Investors are ambivalent. Unicaja shares are stuck at a steep discount to book value, partly due to a low 6 per cent return on equity. Yet they trade on a relatively high price/earnings ratio for European banks.

That leaves chief executive Isidro Rubiales Gil with a dilemma. Unicaja's common equity tier one ratio was 14.2 per cent in the third quarter, well above an established 12.5 per cent target. He should have about €500mn

of spare capital, almost a fifth of market capitalisation. He can pay this to shareholders, buy some to improve the returns on capital.

Buying back shares at a 60 per cent discount to tangible book value makes sense but could also lift its seven times price/forward earnings ratio. This tops the range for European banks.

Balance sheet repair offers a better use. Foreclosed real estate assets valued at a net book value of €500mn linger from past downturns. Their disposal, covered by excess capital, should shrink capital.

Better returns on capital and a higher valuation should follow. That promise should support the shares.

business out of administration offers opportunities to cut overheads while integrating any operations.

FTSE 100-listed Next illustrates a variation on this theme. Its flurry of acquisitions of brands including Cath Kidston and Made.com is a logical extension of providing its online services to third-party labels.

Frasers has plenty of form buying up legacy brands. Given that, its sale of Missguided might seem odd. Yet it could bolster the investment case for the shares which trade on a price/earnings ratio of 11 times, according to Shore Capital's Eleonora Dani.

Frasers could collaborate with Shein. A deal might allow Shein customers to use Fraser's stores for returns, and open Ashley's business up to a gaggle of new customers.

Western Digital: thanks for the memory

Elliott Management declared 18 months ago that Western Digital could be worth \$100 per share or more by the end of 2023. To meet that target, the tech company has to more than double its share price in the next two months.

This is not likely. But yesterday Western Digital announced that it would follow Elliott's advice and separate its hard disc drive and flash memory segments into listed companies. The decision comes as a long-rumoured tie-up with Japan's Kioxia to create a fortified, east-west NAND memory chip colossus collapsed last week when Western Digital walked away from discussions.

Elliott's thesis is that Western's 2016 acquisition of SanDisk for \$19bn proved confusing to investors. Today, Western's total enterprise value is roughly \$20bn. With the Kioxia tie-up apparently dead, the question is whether some other transaction is in the works. Otherwise, Western Digital needs some other means to achieve the sum-of-the-parts valuation Elliott cobbled together.

Western Digital's struggles look stark next to those of Seagate Technology, the HDD leader. Seagate's enterprise value to trailing annual revenue ratio is approaching 3 times. Western Digital trades at under 2 times. In the past five years, Western Digital shares are down more than 15 per cent while Seagate has rallied more than half.

Elliott has pointed out that by simply applying roughly the Seagate market multiple to the Western hard disc business, the remaining implied worth of the flash business is only a few billion dollars, too low. Back in 2022, it said that it was willing to invest a \$1bn in the flash segment at as much as a \$20bn valuation.

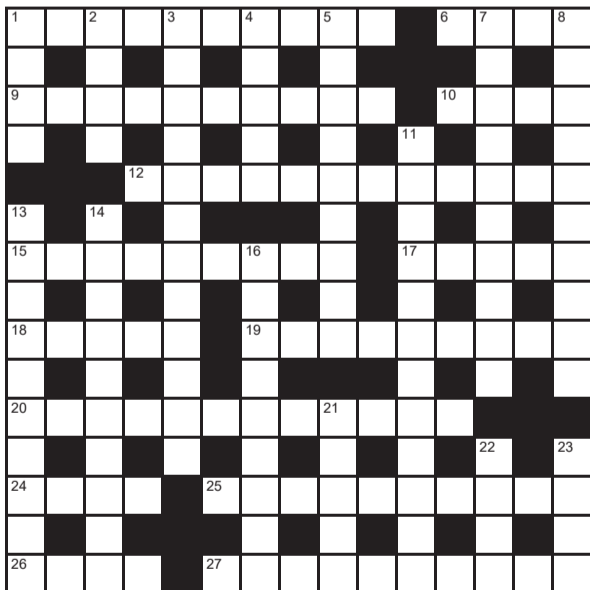
In the end, Elliott and Apollo Global Management teamed up earlier this year to buy \$900mn of convertible preferred stock in Western Digital. This pays a juicy 6.25 per cent dividend. It also converts into company stock at just under \$48. Forget \$100, this is the threshold Elliott will be focused on.

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NIKKEI Asia The voice of the Asian century

CROSSWORD

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ACROSS

- Certain cheats — zany characters with musical instruments (4,6)
- Pole left over, a bit short (4)
- Publications not mainly in the pink! (10)
- Necklace is light, not hard (4)
- Professional criterion apt to be flexible (12)
- Hospitality old writer Henry established by river (4,5)
- Very foolish person by Great North Road (5)
- Rebel with hesitation in river? (5)
- Hesitant princess starting operatic cycle (9)
- I repeatedly get romance wrong — I cannot square the circle! (12)
- Skilful learner taken on board by former President (4)
- Very bad adult, one with common sense, very bad (10)
- Yen to be in specialist fighting unit in States (4)
- Sweet chap, me, 24, roughly (5,5)

DOWN

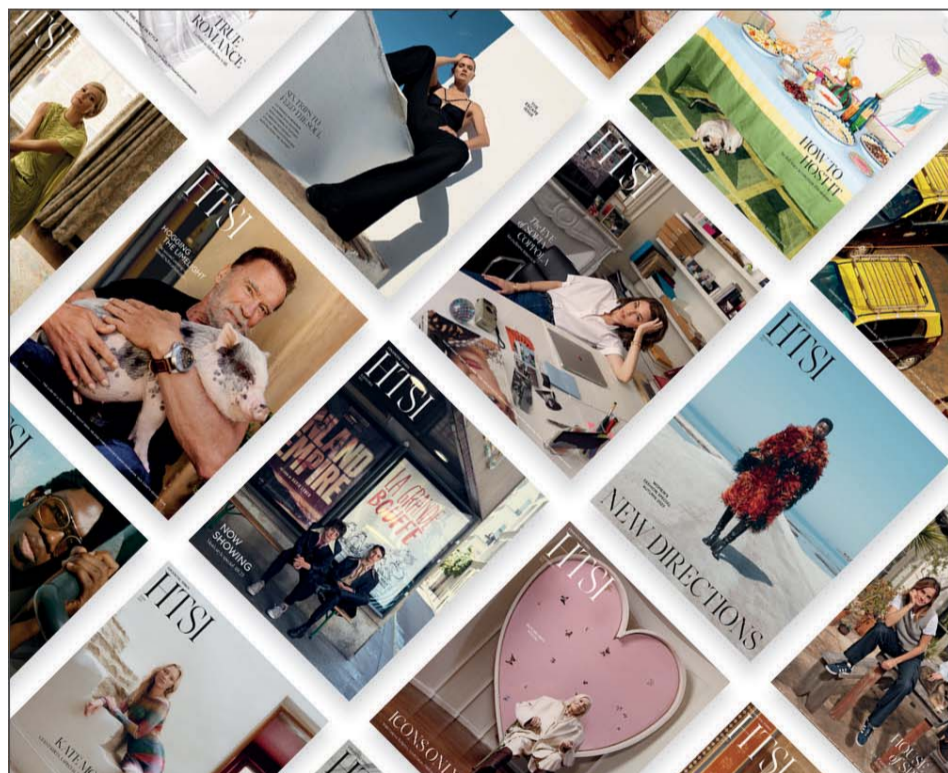
- Jargon philosopher's spoken (4)
- Lines of angry exchanges? (4)
- Senior cop rushed, full of emotion (12)
- Jelly with a flavour that's inadequate (5)
- Appropriate as some expert in entertainment (9)
- Forecast offered by professional theologian regarded as heretic (10)
- My daughter is entertained by funny singer in studio productions (10)
- Slam Blairite involved in two-sided negotiations (12)
- New signora excited certain natives (10)
- Upset tot a yeller? I'll bring a drink round (3,7)
- Maybe propping up team that is bottom? (9)
- Officer in charge is a pain (5)
- Hospital hooter making a beastly noise? (4)
- Like one area, an area very large (4)

JOTTER PAD

Solution 17,561



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