

U.S. NEWS

THE OUTLOOK | By Josh Zumbrun

Fiscal Plans Could Fuel Rate Surge

Two of the most powerful economic forces in Washington could be aligning in coming years to put considerable upward pressure on long-term interest rates.

President Donald Trump is flirting with tax and spending plans that could widen the budget deficit, just as the Fed considers plans to shrink its \$4.5 trillion portfolio of bond and other holdings. Larger deficits could mean that the supply of U.S. Treasury securities hitting the market rises just as demand for these securities diminishes with the Fed unwinding.

More supply and less demand tends to mean lower prices, and with bonds, lower prices mean higher yields and interest rates. "The bond market is about to get hit all at once," said Stephen Stanley, chief economist of Amherst Pierpoint Securities.

This would be a remarkable reversal.

The U.S. deficit exploded during the 2007-09 recession as tax receipts collapsed. In 2009, the deficit topped \$1 trillion for the first time in history. It began to narrow but remained over \$1 trillion from 2010 to 2012, as tax collections remained depressed from the era of high joblessness, and as President Barack Obama enacted an \$800 billion stimulus plan.

During that era of high deficits, demand soared world-wide for the safety of U.S. government bonds. The Treasury also had a big buyer for its debt in the form of the Fed, which began purchasing billions of dollars a month worth of Treasury securities in March 2009, under the program that became known as "quantitative easing," or QE.

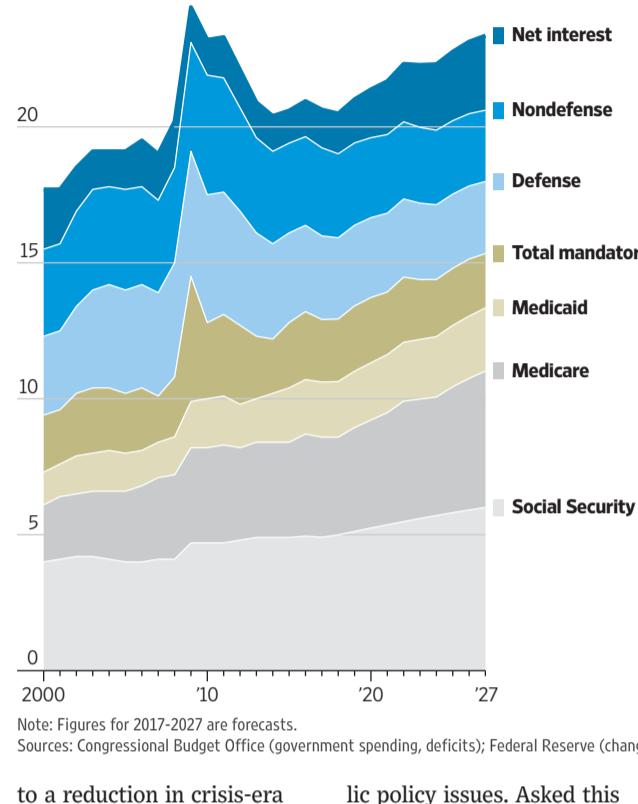
Though not intended to finance the deficit, the Fed's first QE program sucked in \$300 billion of Treasury debt. The second program, launched in 2010, added another \$600 billion. In the third round of QE, from 2012 to 2014, the Fed added \$800 billion more. Deficits eventually started narrowing, thanks

Rising Pressure

Increased deficits in coming years will coincide with the Fed's withdrawal from the market for Treasury bonds

Government spending is on the rise...

Spending as a share of GDP



Note: Figures for 2017-2027 are forecasts.

Sources: Congressional Budget Office (government spending, deficits); Federal Reserve (change in Fed's portfolio)

to a reduction in crisis-era spending and new caps on spending combined with rising tax revenue.

Now the tide is poised to turn.

The Congressional Budget Office projects deficits will reach \$1 trillion again by 2023 under current law. This owes largely to the baby boom generation hitting retirement en masse and claiming Social Security and Medicare benefits. Medicaid and Medicare spending are set to rise to 7.3% of gross domestic product over the next decade, from 5.8% now, according to CBO estimates. Social Security is set to rise to 6% of GDP from 5%. Mr. Trump has said he doesn't plan to alter these entitlements.

Some plans, such as for tax cuts, could widen deficits. The University of Chicago regularly polls leading academic economists on important pub-

lic policy issues. Asked this month if Mr. Trump's tax plan would pay for itself through higher economic growth, not one respondent thought that it would. Instead, it could force the Treasury to issue significantly more debt.

"Absent offsetting tax increases, it would be a fiscal disaster," said David Autor, a Massachusetts Institute of Technology economist.

One estimate from the Penn Wharton Budget Model, which calculates the effects of tax plans, projects the current version of Mr. Trump's tax plan would raise U.S. debt by 31% more than current policy.

This could all happen at precisely the moment the Fed is getting out of the market. Since its large-scale bond-buying program ended in 2014, the Federal Reserve has continued to buy new Treasury securities when its existing holdings mature.

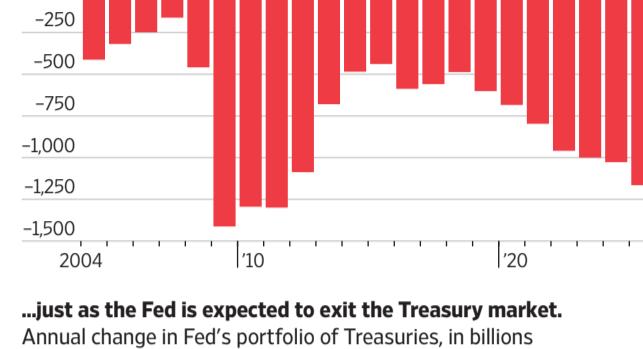
Yields on 10-year Treasury notes, at 2.35%, aren't far from historic lows, held down by a range of forces including low inflation and global demand for safe assets.

Most forecasters have long expected rates to rise, and been embarrassed by those forecasts when interest rates stayed stuck in a rut.

But the market risks becoming complacent about the idea that the old logic of low rates will last forever.

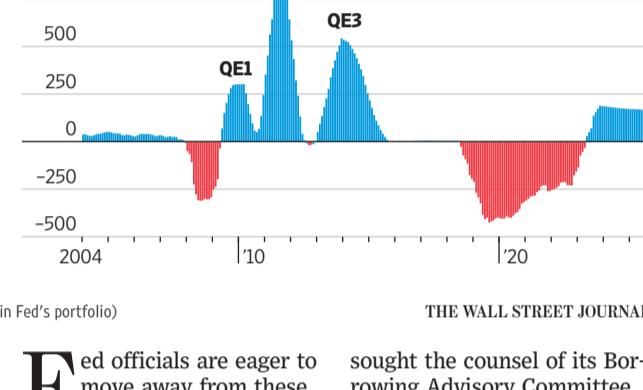
...the deficit is expected to quickly expand...

Annual deficit, in billions



...just as the Fed is expected to exit the Treasury market.

Annual change in Fed's portfolio of Treasuries, in billions



THE WALL STREET JOURNAL.

ECONOMIC CALENDAR

MONDAY: St. Louis Fed President James Bullard kicks off a busy week of **speeches by U.S. central-bank officials** with a talk in Florida on low interest rates. Other regional Fed bank presidents set to speak include Boston's Eric Rosengren, Dallas' Robert Kaplan and New York's William Dudley. Their appearances come after the central bank's policy-setting committee last week decided not to raise interest rates but signaled future increases.

WEDNESDAY: China's April **inflation data** (to be released Tuesday night U.S. time) are expected to show that the consumer-price index edged up last month around 1% year-to-year, compared with March's 0.9%, on higher nonfood prices and a low year-earlier base of comparison. The producer-price index is forecast to decelerate to around a 7% rise in April, from March's 7.6%, on declining commodity prices.

THURSDAY: The Bank of England is expected to hold its benchmark interest rate steady at 0.25%, ahead of a national election in the U.K. June 8 and talks with the European Union over Brexit. Some officials in recent months have signaled they are closer to voting for a rate increase to keep a lid on inflation, though a first-quarter economic slowdown will likely persuade a majority to stand pat.

FRIDAY: Economists expect official figures to show the German **economy** accelerated during the first quarter, outpacing the U.S., the U.K. and France with a 0.6% rise in gross domestic product compared with the prior quarter.

While a pickup in the eurozone's largest member should support European Central Bank efforts to raise inflation sustainably to its target, faster growth also is likely to strengthen the conviction of many Germans that interest rates are too low and the bond-buying program is unnecessary.

Economists will watch to see if **U.S. retail sales**, which fell for the second straight month in March, can align with recent indications of strong consumer optimism and hiring. Sales are expected to rise 0.5% from the prior month, according to a Wall Street Journal survey of economists. The Labor Department will also release **April consumer price** figures, which are expected to rise 0.2% from the prior month. Steady readings could give further ammunition to the Fed for rate increases.

Blaze Spreads in Southern Georgia



SKY HIGH: Firefighters along the Georgia-Florida line worked this weekend to contain a lightning-sparked fire that consumed thousands of acres in the Okefenokee National Wildlife Refuge.

BOSTON

Police Investigating Homicides of Doctors

Two engaged doctors found dead inside a South Boston penthouse most likely knew their killer, police said.

Police discovered the bodies of Dr. Lina Bolanos, 38, and Dr. Richard Field, 49, Friday night at the Macallen Building. Police haven't said how the couple were killed but believe the man suspected of their deaths knew them.

Police had gone to the building on a report of a man with a gun. Police Commissioner William B. Evans said the suspect opened fire when officers con-

fronted him at the door. He said police fired back and hit the man several times. Bampumim Teixeira, 30, of Chelsea, was hospitalized with non-life-threatening injuries; the officers weren't hurt.

Mr. Teixeira's arraignment is scheduled for Monday. It wasn't known if he had an attorney.

—Associated Press

COLORADO

Pipeline Safety In Focus After Accident

State records show Colorado has only three people assigned to check the safety of pipelines running from about 54,000 active oil and gas wells.

Lawmakers and regulators are weighing a comprehensive map of all flow lines.

—Associated Press

IPO

Continued from Page One

missing from the current IPO pipeline are some of the highest-profile private companies, such as Uber Technologies Inc. and Airbnb Inc., which aren't expected to come to market before 2018. Several investment bankers say there have been fewer bakes off than they'd expect given the favorable market conditions.

Shares of newly public companies are performing well, with this year's batch of IPOs trading 11% above their offering price on average through Friday's close, according to Dealogic. Last year's batch of IPOs have gained an average of 29%, Dealogic data shows.

The flurry of activity is a sign the new-issue market that's languished in recent years may be in the midst of a sustained rebound. Snap Inc. successfully debuted in March at a valuation of \$24 billion, far above the Snapchat parent's latest private funding round.

Although the shares have fallen from their highs, they still trade well above the price at which they were first offered to the public.

It's a change from much of last year and late 2015, when investors and corporate boards stepped back from the IPO market, wary that the stock market would value their companies at less than prior fundraising rounds.

That fear still permeates private-company boards, bankers, investors and analysts say. And together with cheap funding that's widely available for private companies, it helps explain why many richly valued startups and others aren't rushing to go public.

"The good news is we have an IPO market," said Matthew Sperling, a managing director who runs the equity advisory business at Rothschild & Co.

"But issuers and owners are looking at it with a measured level of enthusiasm."

Cloudera Inc. stoked those concerns last month when the big-data software startup debuted at a level far below its last private valuation of more than \$4 billion. Meanwhile, shares of Twilio Inc., a software company that went public last June, fell 27% last week on the back of soft first-quarter results. Still, the company remains valued at more than \$2 billion, well above its last private round.

So far the IPOs that have debuted "have been priced to sell, but once investors get a taste of success, the companies that come next don't have to offer quite as much of a discount," said Scott Sandell, a managing general partner at venture-capital firm New Enterprise Associates. He added that he expects a robust pipeline for IPOs in the balance of the year, but warned that some companies could still get scooped up by corporate buyers who are sitting on piles of cash and seeking new growth opportunities in a sluggish economy.

Indeed, some investors and underwriters say there's concern that the public markets are being used as a last resort. Some of the companies debuting have tried to sell themselves and failed. It's symptomatic of a decadeslong trend that's seen the total number of public companies in the U.S.

CORRECTIONS & AMPLIFICATIONS

The name of Gormley, a racehorse in the Kentucky Derby, was misspelled as Gormely in a Sports article on Saturday about how to pick the winner of the derby.

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

decline sharply as more entrepreneurs and others choose to avoid the increased disclosure and other perceived drawbacks of broad ownership.

One of the most closely watched private companies, shared-office-space provider WeWork Cos., is soon expected to close on a new round of private funding in excess of \$3 billion—more than any U.S.-listed IPO has raised this year and last, other than Snap. The investment will likely keep WeWork from tapping the public markets for more than a year, according to people familiar with its plans.

The likely path for Spotify AB, the music-streaming service last valued at \$8.5 billion, is yet another sign of the antipathy some companies have toward raising money in the public markets and the IPO process. Spotify is considering a so-called direct listing of its shares, in which—unlike in a typical IPO—the Swedish company wouldn't sell stock and raise capital or use underwriters. The Wall Street Journal has reported.

THE WALL STREET JOURNAL
(USPS 664-880)
(Eastern Edition ISSN 0099-9660)
(Central Edition ISSN 1092-0935)
(Western Edition ISSN 0193-2241)

Editorial and publication headquarters:
1211 Avenue of the Americas,
New York, NY 10036

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

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

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U.S. NEWS



Indiana University of Pennsylvania offers training to students and staff on how to use the overdose-reversal drug Naloxone.

Opioid Deaths Tax Colleges

Schools stock up on overdose-reversal medicine, distribute it to staff, even students

By MELISSA KORN
AND JON KAMP

Colleges around the U.S., spurred by fatal student overdoses and grieving families, are distributing lifesaving medication and adding on-campus recovery programs as the nation's opioid epidemic worsens.

Some 33,000 people in the U.S. died of opioid overdoses in 2015, according to the Centers for Disease Control and Prevention. College students are as likely as others to abuse the narcotics, according to a survey of 1,200 college-aged adults commissioned that same year by the Hazelden Betty Ford Institute for Recovery Advocacy and the Christie Foundation.

Federal law doesn't require colleges to report drug deaths unless they are deemed criminal. But fatal overdoses have been rising at schools nationwide, underscoring a harrowing reality for administrators: Like binge-drinking and marijuana, the opioid crisis is now entrenched on campus.

"Now, you couldn't possibly talk about drugs and alcohol without talking about opioids," said John Downey, dean of students at Queens University of Charlotte, a school of 2,300 in North Carolina where two students have died from overdoses in the past five years.

Last fall, three Washington State University students overdosed on opioids and died in Pullman, Wash.; a 25-year-old died from an overdose on the potent opioid fentanyl and heroin in a bathroom at Co-

Campuses Adopt Recovery Programs

When touring colleges a few years ago with her son, Aimee Manzoni-D'Arpino asked about sober dorms and recovery support meetings.

"They looked at me like I had 20 heads," she said, as few of the schools had such offerings to help students maintain their sobriety.

Ms. Manzoni-D'Arpino's son, Emmett Scannell, died of a heroin overdose April last year when he was a sophomore at Worcester State University.

The landscape has begun to change, as more schools establish campus-recovery programs, but treatment advocates say they should be as common as

Lumbus State Community College in Ohio; and a student died from a suspected overdose at State University of New York at Geneseo.

Substance-abuse experts say they believe many colleges haven't fully come to grips with the rising prevalence of opioids on campus.

"I still think that most administrations say, 'Oh no, that's not our campus. That's not our kids,'" said Tim Rabolt, a graduate student at George Washington University who is in long-term recovery after struggling with substances including pain pills in high school. He is a board member at the Association of Recovery in Higher Education.

Mr. Rabolt started his freshman year at GW in 2011, just four months into his recovery, and said he soon contemplated suicide. To fill what



Emmett Scannell

descript house with 28 beds, staff offices, and study and meditation space. Starting last summer, Ohio State's health-services center also began offering medication-assisted treatment to students with opioid addictions.

The school acknowledged that buy-in has been slow: Students haven't used the in-house medically assisted treatment yet, and just four of 14 rooms in the house are filled.

"There's no reason that any university should not have a collegiate recovery program," said Lori Holleran Steiker, a social-work professor at the University of Texas at Austin. Even at small schools, she said, the absence of anyone in recovery is "very unlikely."

—Melissa Korn
and Jon Kamp

he saw as a void, he helped create a student-based support program, and the university is now building its own recovery program. Peter Konwerski, dean of student affairs at GW, credits students for the push. "We heard them loud and clear," he said.

Scores more colleges and universities have or are creating similar recovery programs.

Schools are also distributing the anti-overdose drug naloxone to campus police and even students. **Adapt Pharma** Ltd. announced last month that it would offer 40,000 free doses of its branded version, called Narcan, to colleges nationwide. So far about 60 schools have reached out, according to company officials.

Idaho State University and Indiana University of Pennsylvania recently offered training for the overdose-reversal drug.

The University of Texas at Austin now stocks naloxone at the front desk of its residence halls.

Sometimes, it takes a death to galvanize schools.

The University of Rochester launched a two-year review of counseling, prevention and treatment programs after freshman Juliette Richard fatally overdosed in her dorm room in March 2014. The school added more drug counselors, and case managers.

Columbus State said it was already in the process of training campus police to administer naloxone when the student died there last fall.

A Washington State spokesman said the school has drug-risk education programs and good Samaritan policies for individuals in trouble. A spokesman for SUNY Geneseo said campus police have been carrying naloxone since 2014.

Some Clergy Wary After Curb Lifted

By IAN LOVETT

WASHINGTON—When President Donald Trump signed an executive order last week effectively lifting the ban on tax-exempt organizations, like churches, endorsing political candidates, a cheer went up from the clergy members assembled in the Rose Garden.

But not every preacher is rushing to join the political fray from the pulpit.

Clergy from a variety of faith traditions said that removing the threat of an Internal Revenue Service crackdown could create a different set of problems for houses of worship, with some worrying about the potential for the influence of political money on their congregations.

Some pastors, rabbis and imams fret that engaging politically could create fault lines in their congregations. They were wary that major donors might now, in some cases, expect them to endorse candidates or distribute literature in exchange for big gifts. And some said aligning with one political party or another would dilute the force of their

moral message.

"Practically speaking, churches with any diversity in the congregation need to stay away from this business—it's just dangerous to church fellowship," said Daniel Glaze, a pastor at River Road Church, a Cooperative Baptist Fellowship church in Richmond, Va.

The executive order doesn't eliminate the 1954 tax regulation, known as the Johnson Amendment, that prohibits tax-exempt organizations from endorsing political candidates.

Supporters of repealing the Johnson Amendment—long a goal of social conservatives—say that getting churches to engage more politically was never the point: It was about stopping government regulation of sermons.

"We are a free nation, and the people who are ministering should be able to speak freely what is in their hearts," Cyril Rayan, pastor of the Potter's Ministries, a nondenominational Christian church in San Jose, Calif., said.

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Trump Set to Nominate Slate of Federal Judges

BY BRENT KENDALL
AND MICHAEL C. BENDER

WASHINGTON—With Justice Neil Gorsuch now sitting on the Supreme Court, President Donald Trump is preparing to turn to the nomination of a slate of conservatives for judgeships to the lower federal courts.

Mr. Trump as soon as Monday will announce a batch of picks for 10 judicial posts, including five nominees for the powerful federal appeals courts, a person familiar with the matter said.

The picks will include five nominees for the powerful federal appeals courts.

While the appeals courts attract less public attention than the Supreme Court, judges who serve at that level play a significant role in shaping the law.

The high court only hears about 70 cases a year, meaning the federal appellate level is the final stop for the overwhelming majority of cases filed in the federal system.

Mr. Trump's new nominees will include two judges whom

he had placed on his Supreme Court shortlist during his presidential campaign, the person familiar with the matter said. He will nominate Michigan Supreme Court Justice Joan Larsen for a seat on the Sixth U.S. Circuit Court of Appeals in Cincinnati, and Minnesota Supreme Court Justice David Stras for a seat on the Eighth Circuit in St. Louis.

Both previously served as law clerks to conservative Supreme Court justices.

The other imminent appeals court nominees are Louisville, Ky., lawyer John K. Bush for the Sixth Circuit, University of Notre Dame law professor Amy Coney Barrett for the Chicago-based Seventh Circuit and Alabama lawyer Kevin Newsom to the Atlanta-based 11th Circuit, the person said.

Mr. Trump will also nominate four people to serve as judges at the federal district courts, and one for the U.S. Court of Federal Claims. District court nominees typically don't spark as much political wrangling because they serve at the trial level and aren't usually the final word on disputed areas of the law.

To date, the president has announced only one lower-court nominee: U.S. District Judge Amul Thapar for the Sixth Circuit appeals court.

Mr. Trump's list was reported by the New York Times.

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U.S. NEWS

Republicans Put Focus on Insurers

Trump administration cites problems in some states as health bill moves to Senate

BY LOUISE RADNOFSKY
AND MICHAEL C. BENDER

WASHINGTON—The White House is hoping to harness insurance-market woes in some states to help lift the GOP's health-care measure over hurdles in Congress, a strategy that reflects President Donald Trump's own high-stakes approach to deal-making.

With the House GOP health bill now before the Senate, White House aides say their job may become easier as health insurers in the next few weeks make final decisions about where to sell coverage next year and how to price it. Early signals have raised the prospect of no insurers offering coverage in parts of Iowa and Tennessee, and of premium surges in states such as Virginia and Maryland.

Democrats say Mr. Trump has stoked uncertainty that is to blame for many of the problems. Mr. Trump, for his part, has cited those problems as a reason to pass the GOP bill.

"Republican Senators will not let the American people down! ObamaCare premiums and deductibles are way up—it was a lie and it is dead!" Mr. Trump said Sunday on Twitter. Last week, he noted potential



President Trump speaks at the White House Thursday after House Republicans passed a health bill.

market disruptions in Iowa, writing, "It's time to fix this broken system!"

White House officials say that more bad news from states in the coming weeks could help them move the health-care bill across the finish line in the Senate, where statewide issues will come to the fore.

"It does encourage members to act," a senior White House official said.

The strategy carries risks. It isn't immediately clear whether Americans would blame the administration of former President Barack

Obama, or that of Mr. Trump, for market shocks. In addition, some GOP senators have specifically cited the insurance markets' fragility in the past as a reason to tread carefully.

Building a sense of urgency is a tactic Mr. Trump regularly leans on to make his political points. He justified a ban on Muslim immigration during the campaign by warning that more Sept. 11-style attacks were imminent, and he has warned the Islamic State terror group would infiltrate the country without a southern border wall.

A potential counterweight

to the administration pressure is a coming estimate from the Congressional Budget Office of the revised GOP health bill. The estimate of the first bill, in March, said that measure would increase the number of people without health insurance by 24 million by 2026, which contributed to its collapse. House Republican leaders moved their bill last week without the CBO "score" of the latest revisions, but some senators have said they would wait to see the new estimates before proceeding.

Democrats say the better

course is to shore up the Af-

fordable Care Act.

The federal government has set a late-June deadline for insurers to make decisions about which plans they will sell and how much they will charge next year. State and federal laws may delay the release of information in some parts of the country, so senators can expect a drumbeat of insurance-market snapshots between now and the fall.

Insurers have cited a combination of reasons for their decision to pull out of markets or raise rates. Most prominent among them: a sicker-than-expected group of enrollees under the ACA and the turbulent early years of implementation of the Democrats' law—but also, in some cases, a lack of conviction that the law would remain in place and make their risk-taking worthwhile.

Republicans control 52 Senate seats and can afford to lose no more than two to pass the health-care measure, assuming no Democrats back it.

White House aides have concluded they need to build stronger coalitions with lawmakers, including conservatives who had felt shut out of the early process, as well as business groups that could offset the opposition from groups representing insurers, hospitals, doctors and patients.

Senate leaders have indicated they plan to start from scratch with the health-care legislation that passed the House.

Yates Set To Testify On Russia Inquiries

BY DEL QUENTIN WILBER
AND BYRON TAU

WASHINGTON—Testimony from a former acting attorney general Monday could shed new light on the largely secretive investigations into Russia's alleged interference in the 2016 presidential election.

Sally Yates, a top Justice Department official in the Obama administration, was serving as President Donald Trump's acting attorney general when she told a White House official about conversations between former national security adviser Mike Flynn and a Russian diplomat.

Ms. Yates will be joined by James Clapper, former President Barack Obama's director of national intelligence, at a hearing before a Senate Judiciary subcommittee.

The Federal Bureau of Investigation is leading a probe into any collusion between the Trump campaign and Russian operatives. The House and Senate Intelligence Committees are also conducting inquiries. Russia has denied any election interference and Mr. Trump has rejected allegations that anyone connected to his campaign coordinated with Russian officials.

Political Ads Zero In on Health Care

BY NATALIE ANDREWS

The House vote approving a Republican overhaul of the Affordable Care Act is quickly becoming the focus of the emerging battle for control of Congress in next year's midterm elections, with groups on both sides of the health debate running ads that target GOP House members in political swing districts.

Some 23 House Republicans represent districts that Democratic presidential nominee Hillary Clinton carried last November, suggesting that those seats could be in play next year. Fourteen of those lawmakers voted for the House bill, while nine voted against it.

Several groups said they were starting ad buys in those districts.

The House Democrats' campaign arm, the Democratic Congressional Campaign Committee, said it had placed a radio and digital ad buy targeting Republicans in Clinton districts. Lawmakers targeted include Reps. David Valadao and Darrell Issa of California and Mike Coffman of Colorado.

Obama: ACA Vote a 'Profile in Courage'

Former President Barack Obama on Sunday night made his first public defense of his signature health-care law since House Republicans voted to repeal it, calling for members of Congress to display "political courage" to save the Affordable Care Act.

Speaking at the John F. Kennedy Presidential Library in Boston as he accepted the Profile in Courage award, Mr. Obama said Democrats who

voters there backed Republicans for Congress while favoring Mrs. Clinton by 15.6 percentage points, 7.5 points and nearly 9 points, respectively.

In addition, Save My Care, a coalition of health-care and liberal advocacy groups that opposes the GOP legislation, said it would launch an ad campaign attacking 24 Republicans who voted for the bill. Its ad notes that the House GOP health bill is opposed by

backed the law known as Obamacare in 2010 knew that it would "likely cost them their new seats and likely their political careers," yet voted for it.

"They did the hard thing," Mr. Obama said. "There was a profile in courage...Most of them did lose their seats, but they were true to what President Kennedy defined in his book as a congressional profile in courage."

After Mr. Obama signed the ACA in March 2010, the midterm elections that November wiped out Democrats at nearly all levels of government.

—Reid J. Epstein

the American Medical Association, the American Cancer Society and AARP, the seniors' lobby.

Eleven of the targeted lawmakers represent districts that Mrs. Clinton won.

Lawmakers in some swing districts will have cover from American Action Network, a center-right advocacy group, which plans to spend \$2 million in the next 10 days on ads "to help sell the legislation to

the American people," said executive director, Corry Bliss. The ads won't support Republicans who voted against the bill.

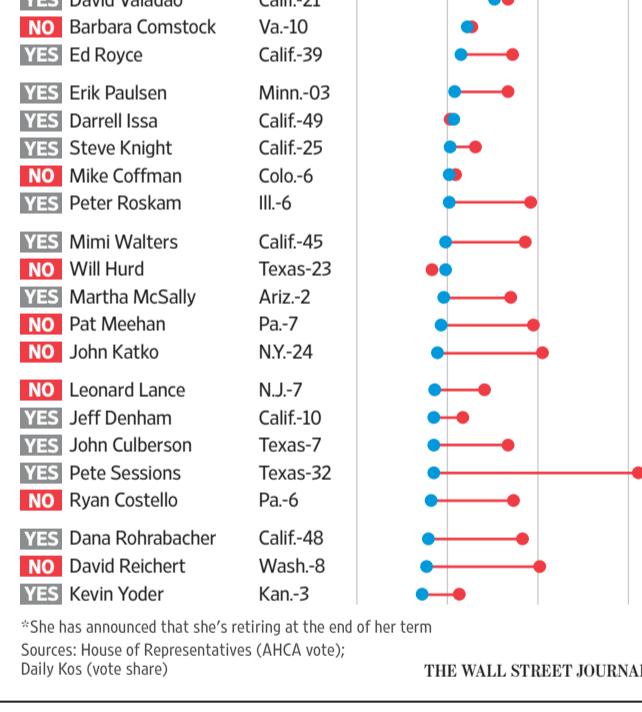
The House bill, which was approved Thursday and sent to the Senate, would replace most of the Affordable Care Act, the signature domestic legislation of President Barack Obama's tenure. It would end the requirement that most individuals buy health insurance and that larger employers offer it. The bill also would reduce projected Medicaid funding and replace the ACA's system of subsidies to help people buy insurance with a set of tax credits available to a larger set of people, but which would be less generous for most people who receive them under the current law.

Democrats need a net gain of 24 seats to reclaim a majority in the House. They will have to defend a number of vulnerable House seats of their own, among them 12 seats held by Democrats in districts that President Donald Trump won last year, in four cases by double-digit margins.

On the Target List

Twenty-three House Republicans represent districts that Democrat Hillary Clinton carried in November. Opponents are trying to make the GOP-backed American Health Care Act an issue in next year's midterm elections.

Districts that Clinton won



*She has announced that she's retiring at the end of her term.

Sources: House of Representatives (AHCA vote);

Daily Kos (vote share)

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Josh Hopkins, Houston Grand Opera; Nao Kusuzaki, Houston Ballet and Tamarie Cooper, Catastrophic Theatre

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President Donald Trump thanking Anthony Pratt for his pledge.

NATHAN EDWARDS/NEWS CORP AUSTRALIA



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WORLD NEWS

Pentagon Backs Added Spending on Asia

Military endorses plan floated by McCain that would boost U.S. presence in the region

By GORDON LUBOLD

WASHINGTON—The Pentagon has endorsed a plan to invest nearly \$8 billion to bulk up the U.S. presence in the Asia-Pacific region over the next five years by upgrading military infrastructure, conducting additional exercises and deploying more forces and ships.

The effort is seen by backers as one way to signal more strongly the U.S. commitment to the region as Washington confronts an increasingly tenuous situation on the Korean peninsula, its chief security concern in the area.

The Trump administration is still formulating its larger policy for Asia after essentially discarding former President Barack Obama's so-called Asia pivot, which was disparaged by critics as thin on resources and military muscle, and dropping U.S. support for the Trans-Pacific Partnership, a 12-nation trade deal.

Given President Donald Trump's recent overtures to Chinese President Xi Jinping, any plan to expand the U.S. military presence in Asia eventually may require steps to reassure Beijing that new military measures aren't directed at the Chinese. A spokesman for China's embassy in the U.S. didn't immediately respond to a request for comment.



South Korean and American soldiers watched a joint live-firing drill in Pocheon, 40 miles northeast of Seoul, on April 26.

Department "supports in principle" Mr. McCain's proposal.

"The Asia-Pacific is a top priority for the United States, and the Department is committed to ensuring that U.S. forces are as capable and ready as possible to face the evolving challenges in the region," Cmdr. Ross said in a statement.

A former top Pentagon policy official in the Obama administration said the initiative could have value if it is used for a specific purpose and is part of a broader American policy in Asia.

"If used strategically, it can help stem the tide of the military challenges we face in the Pacific," Kelly Magsamen, who was an acting assistant secretary of defense for Asian and Pacific Affairs under Mr. Obama, said in an email. But it has to be tied to specific requirements for U.S. Pacific Command, she said. "It shouldn't just be a slush fund for PACOM."

Mr. Obama's Asia pivot, later termed a "rebalance," fell short of expectations, experts said.

Still, the effort produced visible changes. More than 1,200 Marines have been stationed on a rotating basis in Darwin, Australia, the U.S. began the deployment of Littoral Combat Ships to Singapore, and U.S. access to military bases in the Philippines was restored.

In the meantime, the deployment of a Thaad missile defense system to South Korea, years in the making, was completed days ago, according to U.S. and South Korean defense officials.

The proposal, dubbed the Asia-Pacific Stability Initiative, was first floated by Sen. John McCain (R., Ariz.) and has been embraced by other lawmakers and, in principle, by Defense Secretary Jim Mattis and the head of U.S. Pacific Command, Adm. Harry Harris. Proponents haven't developed details of the \$7.5 billion plan.

"This initiative could enhance U.S. military power through targeted funding to realign our force posture in the region, improve operationally

relevant infrastructure, fund additional exercises, pre-position equipment and build capacity with our allies and partners," Mr. McCain told Adm. Harris in an April hearing.

Dustin Walker, a spokesman to Mr. McCain, described the plan in an email as a way to make the American posture in the region more "forward-leaning, flexible, resilient and formidable."

Supporters liken the initiative to an Asia version of the European Reassurance Initia-

tive, or ERI, begun after Russia's 2014 intervention in Ukraine and funded at \$3.4 billion in this year's U.S. budget.

Backers have not spelled out how they plan to get funding. The Trump administration has asked for additional money for defense spending in the current fiscal year, and are seeking a \$54 billion increase for fiscal 2018.

U.S. officials and congressional staffers, citing the uncertainties of federal budget deliberations, said it is unclear

how much will be immediately available for the new Asia initiative. But they also point out that the spending would take place over five years.

Mr. Mattis has voiced support for the concept of the plan. "I don't understand all the details in Senator McCain's plan, but I support the themes that he outlined and the importance he assigned to that region," said Mr. Mattis during a recent congressional hearing.

Cmdr. Gary Ross, a Pentagon spokesman, said the Defense

KOREA

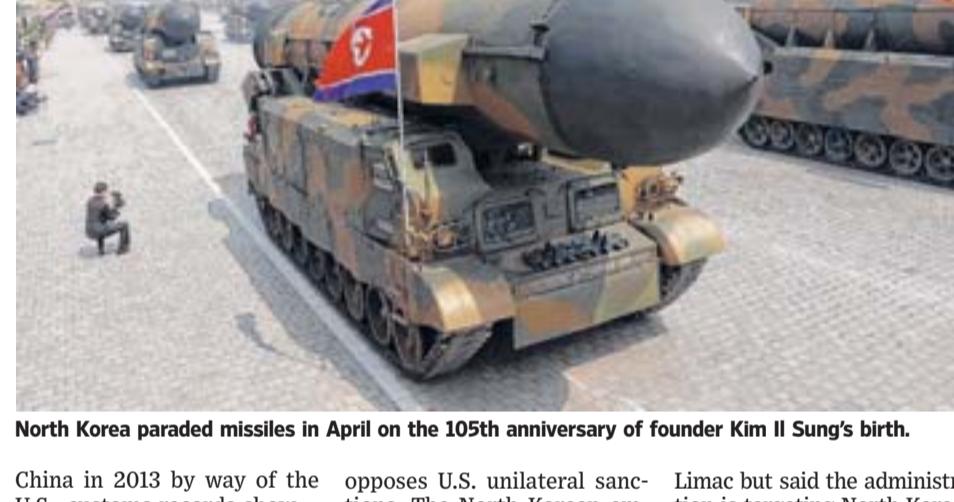
Continued from Page One
two of them based in China.

The scope of the Limac-Ryonbong joint venture and its current status are unclear. It was incorporated in North Korea, which doesn't disclose corporate records. The Ryonbong-Limac link was identified by Sayari Analytics, a financial-intelligence firm that works for banking and U.S. government clients and didn't publicize its findings.

Ryonbong couldn't be reached for comment. Limac said that the venture "never launched regular business activities" and that Limac has tried to dissolve it since 2009.

Still, Chinese corporate records show the joint venture maintained a registered office in China until this past February. And Limac's website said Limac and Ryonbong executives held talks in 2011 on advancing their partnership. Information about the venture disappeared from Limac's website after The Wall Street Journal inquired about it.

The Chinese company has a U.S. affiliate in Houston through which it seeks investment opportunities, according to the affiliate's chief executive. In another U.S. connection, Limac, which manufactures and trades nuclear-energy and other industrial machinery, imported Canadian nuclear-power equipment to



North Korea paraded missiles in April on the 105th anniversary of founder Kim Il Sung's birth.

China in 2013 by way of the U.S. customs records show.

U.S. legislation passed last year obliges the White House to sanction entities doing business with blacklisted North Korean entities or explain to Congress why it hasn't. The Limac-Ryonbong joint venture has been discussed inside the Trump administration, said people familiar with the matter.

Secretary of State Rex Tillerson said last week the U.S. has been "leaning hard into China" over North Korea.

China's commerce ministry, foreign ministry and government information office didn't respond to requests for comment. China has said in the past it complies fully with U.N. sanctions on North Korea but

opposes U.S. unilateral sanctions. The North Korean embassy in Beijing didn't respond to requests for comment.

Last September, the U.S. indicted a Chinese businesswoman on charges that she and her trading company, Dandong Hongxiang Industrial Development Co., helped blacklisted North Korean companies evade U.S. sanctions. China said in January she was under investigation. The businesswoman, Ma Xiaohong, couldn't be reached for comment, and her company didn't respond to comment requests. A Justice Department spokesman said Ms. Ma hasn't filed a plea and "is believed to be a fugitive."

A spokesman for the Treasury declined to comment on

Limac but said the administration is targeting North Korea's operations in China, and Ryonbong in particular.

Ryonbong is the trading arm of a committee in North Korea's ruling party that oversees its defense industry, according to U.S. officials.

Limac, the Chinese company, was founded in 1953. The industrial-machinery company's website said it expanded into mining in North Korea in 2006. Limac Chairman Wu Yan visited North Korea the next year with a team of mining specialists.

In 2008, a time when North Korea was engaged in international talks about potentially dismantling its nuclear program, China's commerce min-

istry approved the joint venture, a 20-year mining project in North Korea's Kangwon province. Mr. Wu became the joint venture's chairman and a Ryonbong executive his deputy, said Limac's website.

In 2013, the venture set up an office in the Chinese city of Dandong, on the North Korean border, appointing to lead it a North Korean who used the Chinese name Jin Zhezhu, according to Chinese public records.

The office's address is an apartment in a rundown block near the Yalu River that forms the border. Mr. Jin lived there for several years but left a few months ago, said the current occupant, neighbors and a former employee of the venture. Mr. Jin couldn't be reached for comment.

Limac said the venture never began regular operations because the North Koreans didn't comply with the contract.

Limac denied knowledge of a joint-venture office in Dandong and said staff members hadn't obtained North Korean visas since 2009. Fourteen Limac employees visited North Korea for a company-sponsored vacation in 2014, the website said. It is unclear whether they had visas.

The Dandong office had its registration revoked in February 2017 for failing to file its 2016 inspection paperwork, according to Chinese corporate registry officials.

—Chun Han Wong, Junya Qian and Jonathan Cheng contributed to this article.

Pyongyang Detains Fourth American

By JONATHAN CHENG

SEOUL—North Korea's state media said officials detained a U.S. citizen tied to a Christian-backed university in North Korea, two weeks after arresting one of his colleagues.

Saturday's arrest of Kim Hak-song for committing "hostile acts" brings the number of known U.S. citizens detained in North Korea to four, adding another twist to troubled relations between Washington and Pyongyang as the U.S. seeks to slow the North's nuclear and missile program.

According to Sunday's report by North Korea's official Korean Central News Agency, Mr. Kim works for the Pyongyang University of Science and Technology, a university founded in 2010 by James Kim, a Korean-American Christian businessman.

Two weeks ago, North Korea detained Tony Kim, a Korean-American accounting professor at PUST, as he was preparing to depart North Korea at Pyongyang's main international airport, citing "hostile acts."

PUST, while not officially Christian, hires largely Christian faculty and says on its website that "churches can support PUST through prayer and through spreading the news about this project among congregation members."

North Korea has arrested U.S. citizens doing Christian-related work in the country. Kenneth Bae, a Korean-American missionary, was sentenced to 12 years' hard labor for hostile acts and was freed after two years in November 2014.

In 2014, American Jeffery Fowle was detained and held for six months after leaving a Bible in a nightclub bathroom.

A spokesman for PUST's leadership confirmed Kim Hak-song's arrest on Saturday, just as he was about to leave North Korea after a visit of several weeks. The spokesman said Mr. Kim was at PUST to do agricultural work at an experimental farm operated by the university.

A U.S. State Department official said the government was aware of the reports of a U.S. citizen detained in North Korea, but declined further comment, citing privacy considerations.

"The security of U.S. citizens is one of the department's highest priorities," the official said.

—Paul Sonne in Washington contributed to this article.

Kushner Cos. Pushes Visas to Wealthy Chinese

By JAMES T. AREDDY

SHANGHAI—New York property developer Kushner Cos. ended talks with Beijing-based Anbang Insurance Group Co. over participation in a \$7.5 billion redevelopment of a Manhattan tower amid an outcry about possible conflicts of interest involving the Trump administration.

Mr. Kushner, who is married to President Donald Trump's daughter Ivanka, had been running the family-controlled Kushner business before last year's election. But to protect against potential conflicts he resigned from the business and sold his personal stake in some projects and assets to family members and others.

Blake Roberts, an attorney at WilmerHale, which provides personal counsel for Mr. Kushner, said his client "has no involvement in the operation of Kushner Cos. and divested his interests in the One Journal Square project by selling them to a family trust that he, his wife, and his children are not beneficiaries of, a mechanism suggested by the Office of Government Ethics. As

ASSOCIATED PRESS/OLIVER DOULIERY/CNP/ZUMA PRESS (RIGHT)



An event in Shanghai on Sunday, left, promoted investment in a development being built by Kushner Cos., owned by the family of Trump administration senior adviser Jared Kushner, right.

previously stated, he will recuse from particular matters concerning the EB-5 visa program."

At Shanghai's Four Seasons Hotel on Sunday, organizers barred media from the two-hour marketing event, which attendees said included a brief presentation by Ms. Meyer, a principal at Kushner Cos. Before the event, a woman staying in the hotel identified herself over the telephone as Ms. Meyer, but

hung up when a reporter for The Wall Street Journal identified himself.

Organizers tried to keep reporters from interviewing attendees, with a representative from QWOS Group, a local partner of Kushner Cos., telling one not to discuss details with reporters. Representatives of QWOS, an immigration-services provider, declined to comment.

Still, some attendees said the

project was well-timed, given Beijing is tightening foreign-exchange controls to make it tougher to move money out of the country, and that U.S. authorities may raise minimum-investment thresholds for the EB-5 program.

Attendees interviewed said they were aware of the Trump-Kushner ties, but it is unclear how they were factoring that into any investment decisions.

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THE FRENCH ELECTION

Win Slows Anti-EU Movement

Several emboldened nationalist parties have challenged the bloc's existence

BY VALENTINA POP

BRUSSELS—The election of Emmanuel Macron and his upstart pro-European party in France marks a significant pushback against nationalist parties that have challenged the existence of the European Union over the past year.

Euroskeptic movements, long on the fringe in Britain and a few other EU countries, began to spread over the past decade as financial and security crises hit the bloc.

In Greece and Italy, the financial austerity that followed the euro crisis stoked anti-EU sentiment, and then, many in ex-communist central and Eastern Europe bristled at the mass influx of migrants in 2015 and the perception that Brussels was forcing them to accept them.

The 2015 victory of the euroskeptic Law and Justice party in Poland, which until then had been governed by a staunchly Europhile government, marked the first recent success of an anti-EU party in one of the bloc's larger countries.

Austria's far-right Norbert Hofer added to the momentum by making it into the runoff of the presidential election



Anti-EU protesters demonstrated in Rome on March 25.

in May 2016, bringing for the first time the prospect of an EU head of state who had campaigned for a referendum on leaving the EU.

His pro-EU, Green opponent, Alexander Van Der Bellen, won by a razor-thin margin, but the vote was annulled because of irregularities and rerun in December. Mr. Van Der Bellen won again, by a larger margin.

His victory was barely noticed, however, because the EU

had by then sunk into a deeper existential crisis with the U.K.'s June 2016 vote to leave the bloc, a result that sent shock waves around the world.

November brought the election of U.S. President Donald Trump, who supported Brexit and predicted other countries would follow. Brexit and Mr. Trump's victory boosted euroskeptic parties across the continent, which expressed the hope that several elections in core coun-

Ebbing Euroskeptics

Emmanuel Macron's victory is seen as turning the tide of rising anti-EU parties.

French presidential election

May 2017	Emmanuel Macron	66% Pro-EU
	Marine Le Pen	34% Anti-EU

Dutch parliamentary election

March 2017	People's Party for Freedom and Democracy	21 Pro-EU
	Party for Freedom	13 Euro-skeptics

Austria presidential election

Dec. 2016	Alexander Van der Bellen	53 Pro-EU
	Norbert Hofer	47 Euro-skeptics

Italy constitutional referendum

Dec. 2016	YES	41 Pro-EU
	NO	59 Euro-skeptics

Brexit referendum

June 2016	Stay	48 Pro-EU
	Leave	52 Anti-EU

Polish parliamentary election

Oct. 2015	Citizens Platform	24 Pro-EU
	Law & Justice	38 Euro-skeptics

Sources: the countries' governments; staff reports

Trend (highlighted)

66% Pro-EU

34% Anti-EU

21 Pro-EU

13 Euro-skeptics

53 Pro-EU

47 Euro-skeptics

41 Pro-EU

59 Euro-skeptics

48 Pro-EU

52 Anti-EU

24 Pro-EU

38 Euro-skeptics

THE WALL STREET JOURNAL.

Victory Heartens Europe Leaders

BY VALENTINA POP

BRUSSELS—The success of pro-European Union candidate Emmanuel Macron in the French presidential election triggered immediate sighs of relief by EU leaders and expectations that his victory will strengthen the embattled bloc.

Mr. Macron's support for the EU was in stark contrast to his opponent, nationalist Marine Le Pen, an advocate for France's leaving the bloc and abandoning the euro. His victory is seen as an endorsement of the European project and comes after months of uncertainty about the future of the bloc following the U.K.'s decision to leave; the U.S. election of President Donald Trump, a critic of the EU; and the rise of nationalist politicians across the bloc.

EU leaders were quick to congratulate Mr. Macron.

German Chancellor Angela Merkel called Mr. Macron Sunday night and told him that "the French voters' decision was a clear commitment to Europe," said her spokesman, Steffen Seibert. Ms. Merkel's party, the Christian Democrats, won state elections Sunday in Schleswig-Holstein.

Former Italian Prime Minister Matteo Renzi congratulated his political role model on Twitter, saying "Macron's victory writes an extraordinary page of hope for France and for Europe." Mr. Renzi was elected Sunday as leader of Italy's center-left Democratic Party, bringing him back into play for national elections in early 2018. Belgian Prime Minister Charles Michel said Mr. Macron's victory represented "a clear rejection of a dangerous project of European withdrawal."

European Commission President Jean-Claude Juncker was the first top EU official to send congratulations to Mr. Macron, after having endorsed him ahead of the Sunday vote—an unusual move for an EU official. Mr. Juncker wrote that "the history of the EU is so closely linked to that of France that the public debate about France's place in Europe echoed far beyond your country."

"For my part, I am happy that the ideas that you defended, of a strong and progressive France which protects all its citizens are those which France will bring in the debate about the future of Europe," Mr. Juncker said.

Before the election, EU officials were privately warning that a victory for Ms. Le Pen would spell the end of the 27-country union. Mr. Macron's win solidifies pro-EU gains made in the Austrian presidential elections last year and in the Dutch election in March.

"It is a third and very important turning point," said a senior EU official.

The French president-elect, however, has called for significant overhauls aimed at getting the EU more involved in social policies.

Macron Makes a Quick Journey to Forefront

BY WILLIAM HOROBIN

In the space of three years, Emmanuel Macron, a 39-year-old pro-European newcomer to electoral politics, has climbed from a backstage role as a government technocrat to France's youngest-ever president.

Mr. Macron, a former investment banker, founded his own centrist party, En Marche, last year and espouses positions borrowed from the left and right.

As president, he says he will cut public spending and roll out sweeping pro-business measures to reduce taxes and make it easier for employers to hire and fire.

But Mr. Macron, who served as economy minister in the Socialist government of President François Hollande, also says he will open up unemployment benefits to more people and launch a €50 billion (\$55 billion) investment plan focused on clean energy.

Born to a family of medical doctors in the northern French town of Amiens, Mr. Macron met his future wife, Brigitte Trogneux, while he was in high school and she was his drama coach. He starred in a play organized by Ms. Trogneux, who is 20 years older than Mr. Macron, and they moved in together a couple of years later.

Mr. Macron gained entry to the halls of power after his acceptance into the École Nationale d'Administration, a



Emmanuel Macron greeted supporters after voting in Le Touquet, northern France, on Sunday.

highly selective school that counts numerous presidents among its alumni, including Mr. Hollande.

In 2012, Mr. Macron left his job at investment bank **Rothschild & Cie.** when Mr. Hollande brought him to the Élysée Palace as a senior adviser. He was promoted to economy minister in 2014, and pushed for economic overhauls that met resistance within the Socialist Party.

In February 2015, Mr. Hollande got those economic overhauls designed by Mr. Macron—and known as the "Macron Law"—past the lower

house of Parliament. Opposition from the president's own party was so fierce that Mr. Hollande invoked special constitutional powers to bypass the National Assembly, the first use of that maneuver in nearly a decade.

Angry lawmakers retaliated by subjecting Mr. Hollande's government to a no-confidence vote, which failed.

Mr. Macron quit the government last year to pursue his own presidential ambitions, leaving behind him a deeply divided and unpopular party that ultimately fell out of contention in this year's

presidential elections.

At the start of the year, polls showed Mr. Macron was trailing in the race for the top job. But when conservative candidate François Fillon was hit by allegations that relatives received state funds for work they didn't do, it opened the way for Mr. Macron. Mr. Fillon has denied wrongdoing.

In the first-round vote on April 23, Mr. Macron garnered the largest share, with 24%.

In the second round on Sunday, 66.1% of voters cast ballots for Mr. Macron, with Marine Le Pen taking 33.9%, according to final results.

The President-Elect, In His Own Words

May 3, to his opponent Marine Le Pen during a live televised debate: "[Islamist radicals] are seeking radicalization, division and civil war. You are falling into their trap. I will never go down that road."

May 1, in an interview with the British Broadcasting Corp.: "We have to face the situation, to listen to our people, and to listen to the fact that they are extremely angry today, impatient and the dysfunction of the [European Union] is no more sustainable."

April 17, at a rally in Paris: "Some candidates want us to become Cuba without the sun, or Venezuela without the oil."

Feb. 14, in Algiers, where he urged France to apologize for crimes committed in the Algerian war of independence: "Colonization is part of the history of France. It's a crime, a crime against humanity. It's truly barbaric."

January 2015, in an interview with financial daily Les Echos: "We need young French people who want to become billionaires. I'm not one of those people who is going to stigmatize big companies."

Hollande, the incumbent president, didn't run, and the candidate of his party captured just 6.4% of the first-round vote.

Mr. Hollande tapped Mr. Macron as a top aide in 2012 and later promoted him to economy minister. Those posts have given him insight into policy-making but have provided limited experience on the sort of parliamentary coalition-building needed to pass difficult legislation—or the type that will be needed to move ahead with his agenda.

Despite his defeat, Ms. Le Pen managed to pick up millions of supporters, breaking through a key political barrier of previous elections, when big majorities overwhelmingly rallied against the National Front, tainted by the xenophobia of her father, Jean-Marie Le Pen, who has faced criticism for anti-Semitic rhetoric.

The preliminary results show Ms. Le Pen nearly doubled the 17.8% of the vote her father won in 2002.

"The National Front is now very ingrained, so we have to live with it," said Xavier Nérond, a 51-year-old translator, who voted for Mr. Macron in Paris.

—Nick Kostov, Matthew Dalton and Noémie Bissière contributed to this article.

VOTE

Continued from Page One

Brexit, and the election of U.S. President Donald Trump.

"I know the divisions in our nation, which led some to vote for extremist parties. I respect them," Mr. Macron said in a somber address after the victory. "I will work to re-create the link between Europe and its peoples."

Still, the scale of Mr. Macron's victory provides a shot in the arm to the pro-EU establishment. He ran as a staunch defender of the bloc, positioning himself as a bulwark against Europe's nationalist wave. The strategy broke with parts of France's political mainstream that had been gravitating toward more populist positions.

The euro rose by around 0.2% to \$1.102 against the dollar after the results, taking the common currency to its highest level since the U.S. presidential election in November.

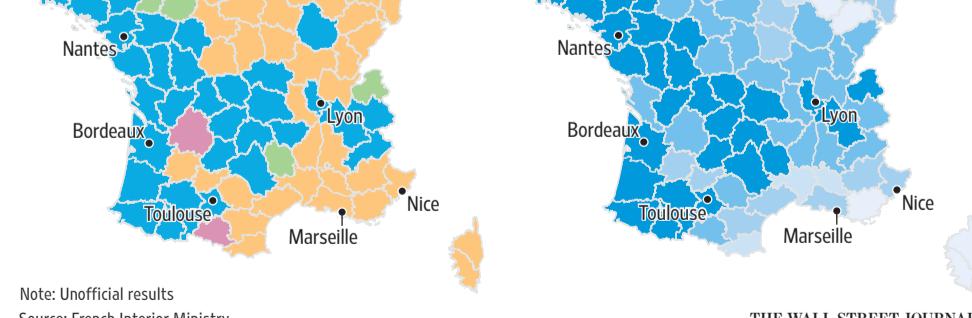
On Sunday evening, the soaring notes of Beethoven's Ninth Symphony, the EU's anthem, played as Mr. Macron entered the courtyard of the Louvre Museum to deliver his victory speech.

Shifting Support

Many departments that supported other candidates swung to Emmanuel Macron in the second round, handing the centrist a resounding victory over Marine Le Pen.

First-round winner

Macron Le Pen Fillion Mélenchon



Note: Unofficial results

Source: French Interior Ministry

nomic imbalances among wealthier Northern and poorer Southern members and develop a security apparatus able to protect the bloc from terror attacks and control a recent wave of migration.

For that to happen, he says, France needs to set an example among countries that have been slow to embrace economic restructuring by loosening

ing its own rigid labor market to become more competitive with stronger neighbors like Germany.

Those mammoth tasks fall to a relative newcomer to politics. Until now, Mr. Macron has never held elected office. He was trained in elite French academies to become a high-ranking civil servant, but switched to a career in invest-

THE FRENCH ELECTION

Macron at Odds With Trump, Putin

French President-elect Emmanuel Macron, a consummate internationalist, heads into office primed for clashes with two nationalist rivals on the world stage: U.S. President Donald Trump and Russian President Vladimir Putin.

By Matthew Dalton in Paris and Paul Sonne in Washington

From climate change to the war in Syria, international trade and the conflict in Ukraine, Mr. Macron has staked out positions at times at odds with the two leaders and clashed at a distance with both on the campaign trail.

Though he didn't offer a formal endorsement during the French campaign, Mr. Trump had cheered on Mr. Macron's vanquished rival, far-right nationalist Marine Le Pen, calling her "strongest on borders" and "the strongest on what's been going on in France."

"[Mr. Trump] should have a little more humility," Mr. Macron said in January, defending

the European Union from the U.S. president's criticisms. "Mr. Trump, never forget what you owe us, liberty, your existence. Mr. Trump look at your history, it's that of Lafayette, it's ours!"

Messrs. Trump and Macron are poised to meet for the first time in late May at the North Atlantic Treaty Organization summit in Belgium.

Mr. Macron takes control of one of the world's foremost military powers, a nuclear-armed state with a permanent seat on the U.N. Security Council. His convincing win against Ms. Le Pen amounts in part to a broad rejection of her foreign-policy program, which called for France to close its borders, withdraw from the EU and NATO, and align itself more closely with Russia.

Now, Mr. Macron has a mandate to pursue a foreign-policy program that largely maintains the status quo under current French President François Hollande. Despite that continuity, France's relationship with Russia in particular is at risk of deteriorating under Mr. Macron.

Ms. Le Pen's performance was a measure of the strength of anti-globalization sentiment in France, part of the swell of antiestablishment currents that fueled Donald Trump's election in the U.S. and Britain's referendum vote to leave the EU last year.

And it showed that the appeal of her pledge to lead a "patriotic revolution" to restore France's control of its borders and currency resonated with voters beyond the traditional strongholds of her once-fringe National Front.

Ms. Le Pen's duel with Mr. Macron—who says French people shouldn't fear globalization, but instead roll up their sleeves and embrace it—showed how France's traditional left-right divide has been replaced by a new split between globalists and nationalists, and pro- and anti-EU voters.

In the program of a computer conference held in the southern Russian city of Rostov-on-Don in 2014, the man said to have modified the documents was listed as an employee of the Russian internet firm Evrika. It isn't known whether he is still employed there.

No one in the Macron cam-

Le Pen Grows in Stature

BY DAVID GAUTHIER-VILLARS
AND WILLIAM HOROBIN

PARIS—Far-right nationalist Marine Le Pen suffered a stinging defeat at the hands of centrist Emmanuel Macron in the final round of France's presidential elections.

But her showing at the polls, combined with the disarray of mainstream Socialist and conservative parties, positions the vociferous critic of the European Union to take command of France's political opposition.

The 48-year-old Ms. Le Pen, who blames the EU and the euro for economic and security woes in France, won 33.9% of the vote, according to final results. That is more than the 21.3% she garnered in the first round, but significantly short of the 40% pollsters had predicted.

Speaking on Sunday night, Ms. Le Pen vowed to make her National Front the "the No. 1 opposition force" to Mr. Macron and said she would work to transform the party ahead of June legislative elections.

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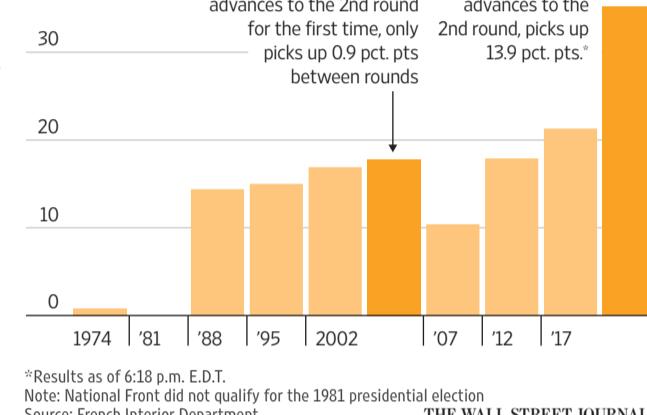
Building on her enlarged base, Ms. Le Pen could impose



Marine Le Pen at the polling station in Hénin-Beaumont, northern France, where she cast her vote.

Strengthening Front

National Front results, first (■) and second (■■) rounds



*Results as of 6:18 p.m. EDT.

Note: National Front did not qualify for the 1981 presidential election

Source: French Interior Department

THE WALL STREET JOURNAL.

posing to replace the euro with a new French franc risked alienating large swaths of voters, fearful a currency swap would hammer their savings.

In the last stretch of the campaign, Ms. Le Pen said she would take time to consult the population before making any decision on the euro if she were elected. But Ms. Maréchal-Le Pen said the move may have come too late.

"I think it was necessary to reassure French people," Ms. Maréchal-Le Pen told television Sunday evening.

Ms. Le Pen also needs to improve the National Front's ability to convert its support into legislative seats. Voters are due to cast ballots in parliamentary elections next month. The party now has just two affiliated members in the current 577-seat National Assembly.

"We need to organize ourselves differently," said Jean-Lin Lacapelle, a senior National Front official. "The National Front has seen its limits." National Front interim leader Steeve Briois said: "It's not a real defeat tonight. It's a semi-victory."

Russian 'Fingerprints'

BY THOMAS GROVE
AND MATTHEW DALTON

The digital fingerprints of a man with onetime ties to a Russian government-linked cybersecurity firm are on some of the files hacked from the political party of French election winner Emmanuel Macron, a cybersecurity expert said on Sunday.

The name of the employee appeared nine times as the last person to have modified some of the files that contain thousands of party emails and documents, said Selahaddin Karatas, CEO of the San Francisco-based cybersecurity company SAASPASS, who examined the metadata of some of the caches of hacked records.

No one in the Macron cam-

paign has accused Russia of involvement in the hacking, but an official in the French president's office who examined metadata of the hacked documents said Sunday that "it points directly to Russia."

After Mr. Macron's party En Marche, or On the Move, disclosed late Friday the hacking of its computer systems, Kremlin spokesman Dmitry Peskov denied Russian involvement.

In the program of a computer conference held in the southern Russian city of Rostov-on-Don in 2014, the man said to have modified the documents was listed as an employee of the Russian internet firm Evrika. It isn't known whether he is still employed there.

herself as the lead architect of a broader nationalist platform, opening her arms to both conservatives—who dislike Mr. Macron's liberal social ideas, and leftist politicians—who abhor the president-elect's pro-business agenda.

The Socialist and conservative parties were thrown in disarray after their respective candidates were ejected from

the presidential race in the April 23 first round.

To consolidate a role as opposition leader, Ms. Le Pen would need to quell rebellious party voices that have challenged her incendiary rhetoric against Europe in general, and the euro in particular.

Party members such as Marion Maréchal-Le Pen, Ms. Le Pen's niece, have said pro-

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Source: Nielsen, Live+SD, ad supported cable: FNC #1 for the month in M-S total day (6A-6A) now 10 months in a row with P2+ (July '16-April '17), FNC #1 for the month in M-S prime (8P-11P) 3 months in a row with P2+ (Feb '17-April '17), FNC #1 for the month in M-S total day (6A-6A) with P25-54 now 4 months in a row (Jan '17-April '17), FNC #1 Cable News Network for 184 straight months in M-S Total Day (6A-6A) and Prime (8P-11P) with P2+ (Jan '02-April '17). Subject to qualifications which will be made available upon request.

THE FRENCH ELECTION

Business Hails Election Outcome

By NICK KOSTOV

PARIS—The victory of Emmanuel Macron is a relief to French business executives who welcomed the election of a president they see as strongly business-friendly.

As economy minister under a Socialist president, the 39-year-old former investment banker said France needs young people who "want to become billionaires."

Mr. Macron believes the country should embrace the European Union and not fear globalization, vowing unpopu-

lar overhauls of labor laws to make France more competitive.

That kind of rhetoric made him an easy target for rivals who used his four years as a banker at **Rothschild & Cie**, to attack him with populist jabs as an agent of global finance. Voters, however, made clear they preferred those policies to those of his defeated opponent, Marine Le Pen, who pledged to pull France from the EU and the euro and close borders to immigrants and cheap imports, which she says hurt the French economy.

"Macron is indisputably

Mr. Macron says he would adjust, rather than abolish, France's wealth tax.

pro-business and the French generally don't like those who are pro-business," said Maurice Lévy, chief executive of advertising giant Publicis Groupe SA. "He knows that profitable businesses are the way to create jobs. He's dynamic and—as

long as he chooses the right team—he's going to provide France with a boost."

Among other things, Mr. Macron's economic plan centers on cuts to welfare spending and a €50 billion (\$55 billion) investment plan. Mr. Macron said the proposal would focus on renewable energy and training programs for young people and the unemployed, taking advantage of the low cost of government borrowing.

Mr. Macron's tax proposals also have a pro-business slant, with cuts to corporate tax and employers' social-security con-

tributions. But Mr. Macron said he wouldn't raise sales taxes and would adjust, rather than abolish, France's wealth tax.

The center-right candidate, François Fillon, who was eliminated in the first round, would have gone much further in shifting the tax burden to households from businesses and the wealthy.

"I voted for [Mr. Macron] because he has a program that's friendly to entrepreneurs," said Pierre Morsard, a 29-year-old who founded a company that makes films for corporations.

Euro Gains As Focus Turns to Growth

By MIKE BIRD

The euro hit a seven-month high against the dollar after Emmanuel Macron won the French presidency on Sunday, a victory that should continue to boost the currency as political concerns fade and investors focus on the eurozone's economic recovery.

The euro climbed to as high as \$1.1021 in the hours after voting closed, rising by around 0.3% from Friday's close. The common currency gave up most of its postelection gain in Asian trading on Monday. Asian stock markets rose early Monday, with Japan's Nikkei Stock Average up 1.5%, but it was also playing catch-up with other markets in the region, having been shut since Wednesday for public holidays.

Mr. Macron's win ends a series of votes in Europe that have spurred worries that the rise of populist politicians could threaten the euro. That helped prompt a long period of weakness for the single currency, even as the eurozone posted increasingly strong economic data that has outpaced the U.S. recently.

With the uncertainty lifting and the economy doing well, the European Central Bank is more likely to taper the massive stimulus program that has helped keep pressure on the euro.

Mr. Macron, a pro-European Union former banker, won 66.1% of the vote. "Populism hasn't gone away, but for now it's been pushed onto the back burner," said Jane Foley, senior foreign exchange strategist at Rabobank. "It's going to be more economics and less politics for the next six, eight, nine months," she said, predicting the euro will end the year at around \$1.10.

CAPITAL ACCOUNT | By Greg Ip

Win Offers Reprieve for Common Currency



Emmanuel Macron should thank the euro. While there were a lot of things French voters didn't like about Marine Le Pen, leader of the National Front, perhaps foremost was her promise to ditch the common currency and bring back the franc, with the implicit threat of inflation and devaluation.

Yet there is an irony to this. While Ms. Le Pen never offered a plausible path out of the euro and the European Union, her critique of both was sound. The rigidity of the euro coupled with strict budget rules enforced by Brussels impose one-size-fits-all macroeconomic policy on every country in the union no matter how divergent its circumstances. That planted the seeds of the latest crisis and could create the conditions for another.

The eurozone today remains fragile, like a building constructed on an earthquake fault line. Ms. Le Pen's solution, to simply tear it down, was brutal. But it was no less logical than the sta-

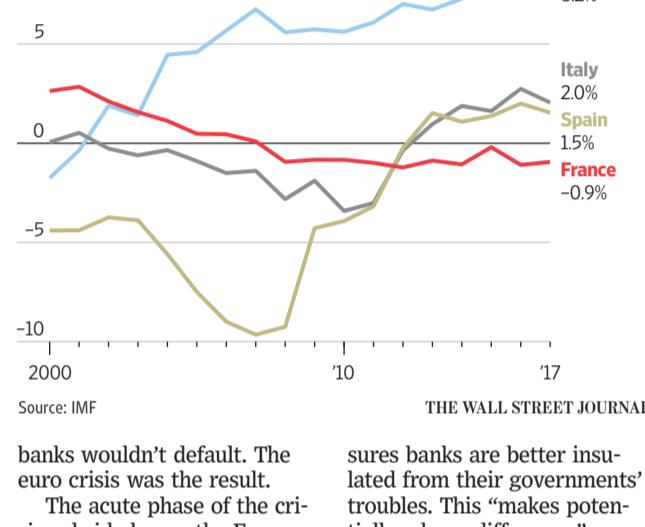
tus quo, which amounts to hoping another earthquake doesn't happen. Mr. Macron's plan is to reinforce it against future earthquakes by deepening its governance and economic ties. Yet that risks inflaming the grievances that sustain nationalist movements like Ms. Le Pen's.

The low inflation and steady growth of the euro's early years masked growing imbalances. Until 2000, French and German labor costs largely tracked each other. But with the introduction of the euro and German labor market reforms, French costs began to rise much more sharply, and those in Spain, Italy, Portugal and Greece even more so. The result was a large and growing trade imbalance in Germany's favor, which its neighbors couldn't cure through the usual mechanism, devaluation.

The public and private debts taken on to finance those trade deficits proved unsupportable, yet member countries' central banks could no longer act as lender of last resort to guarantee that governments and their biggest

Receding Trade Imbalances

Current account balances as a share of GDP



banks wouldn't default. The euro crisis was the result.

The acute phase of the crisis subsided once the European Central Bank decided it would act as lender of last resort to its members.

A €500 billion (\$550 billion) European Stability Mechanism now exists to bail out indebted governments and banks, and a more independent regionwide bank supervisory system en-

sures banks are better insulated from their governments' troubles. This "makes potentially a huge difference," says Nicolas Veron, an expert on the eurozone at Bruegel, a Brussels-based think tank.

But flaws will persist: the failure of the eurozone's underlying economies to converge and their inability to calibrate macroeconomic policy to those divergent needs.

Germany's unemployment and government debt are much lower than its neighbors' now, raising the prospect that in a few years time interest rates will have to rise to contain German inflation when its neighbors are poorly positioned to afford it.

Mr. Macron would address the euro's flaws by deepening its governance and creating a common budget. He will try to complete the work he began under President François Hollande: injecting more flexibility into France's labor market.

But labor reform remains deeply unpopular in France. In an interview with Foreign Affairs last year Ms. Le Pen blamed French unemployment on "completely free trade, which puts us in an unfair competition with countries that engage in social and environmental dumping, leaving us with no means of protecting ourselves and our strategic companies." Mr. Macron has five years to overhaul the labor market and the EU. If he fails, voters at the next election may find Ms. Le Pen's siren song irresistible.

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EUROPE

Disunited

Countries' fortunes have diverged in recent years under the euro.

Cumulative change in GDP since 1Q 2006



Source: Eurostat

Unemployment rate, seasonally adjusted



Source: Eurostat

Hollande failed: in shaking up a sluggish French economy. Economists say France needs to overhaul its heavily regulated labor market. The price if Mr. Macron were to fail, many policy makers across the EU fear, could well be victory in the 2022 presidential elections for Ms. Le Pen, a far-right, anti-EU nationalist.

German Foreign Minister Sigmar Gabriel, who recently stepped down as leader of the center-left Social Democrats, has welcomed Mr. Macron's call to reform the eurozone.

But his party, the junior partner in Ms. Merkel's governing coalition in Berlin, is deeply ambivalent about putting more of German taxpayers' money at Europe's disposal. Ms. Merkel's conservative Christian Democrats are even less eager.

Aware of the prevailing skepticism, Mr. Macron made his pitch to Germany in a speech at Berlin's Humboldt University in January. His language was diplomatic, but the subtext was clear: Germany's huge trade surpluses and fixation on fiscal austerity have hurt growth and support for the EU elsewhere in the continent.

Offering a "New Deal," Mr. Macron suggested France needed to win Germany's trust through overhauls to meet eurozone fiscal rules—and that Germany should accept that it can't sustain economic growth if other nations in the euro are struggling. "The euro is incomplete and cannot last without major reforms," he said.

ADAM BERRY/GETTY IMAGES

German Chancellor Angela Merkel in April

said former European Central Bank director Jörg Asmussen.

"If Macron can show that he is able to shape change in Europe, that would also help him domestically."

Last week, Mr. Asmussen joined with numerous, mainly left-of-center German politicians, economists and other public figures in a public call for Berlin to engage with Mr. Macron and not rebuff his ideas. The strength of anti-EU voter sentiment in France partly reflects the perception that Germany dominates Europe, their joint statement said.

The prevailing view in Chancellor Merkel's government, however, is that more steps toward a federal Europe would inflame anti-EU populism, rather than counter it.

Yet Berlin is also keen for Mr. Macron to succeed where outgoing President François

HOW INTUIT GETS A BETTER VIEW OF THEIR CUSTOMERS.

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WORLD NEWS

Nigerian Militants Free 82 Chibok Girls

Some Boko Haram suspects are released, but government says no ransom was paid

BY JOE PARKINSON
AND GBENGA AKINGBULE

ABUJA, Nigeria—Eighty-two of the nearly 300 Chibok schoolgirls seized three years ago by Boko Haram were freed in exchange for detained members of the jihadist group, the biggest breakthrough in the effort to recover the insurgency's most-famous captives.

Dozens of the women—dressed in brightly colored dresses given to them by Nigerian authorities upon their release—were escorted to Abuja by soldiers on Sunday for an audience with President Muhammadu Buhari before being reunited with their families. Media access was restricted, but images of the girls screened on state television showed some looking tired and confused by the attention after their lengthy captivity.

"This evening, I received 82 of our daughters, who have just regained their freedom after three years in Boko Haram captivity," Mr. Buhari said.

The fate of the girls—whose April 2014 kidnapping from the government school in the town of Chibok kindled the #BringBackOurGirls campaign—fixed global attention on the rampage of the Boko Haram insurgency across swaths of northern Nigeria. Then-first lady Michelle Obama tweeted a picture of herself holding a placard with the #BringBackOurGirls appeal. Mr. Buhari,



Nigerian President Muhammadu Buhari on Sunday met in Abuja with some of the 82 Chibok girls recently released by Boko Haram.

didn't live long enough to see their daughters go free.

For the families of those that remain, the news of the 82 girls was met with joy but also trepidation. Some captive girls have been forced into marriage, some raped, some enlisted as child soldiers. One escaped with a baby daughter born in captivity.

"This is very, very exciting news. For us, for the parents, for the Chibok community," said Bukky Shonibare, a founding member of the Bring Back Our Girls group, in Abuja. Emmanuel Yakubu, father to one of the kidnapped girls, traveled to Abuja from Chibok on Sunday morning in anticipation of the release.

"I don't know whether or not my daughter, Dorcas, is among the released girls. But whatever be the outcome, as a parent, I'm very happy at this huge number of released girls after three years in captivity," he said. It was unclear whether the daughter was among those released.

Nigeria's military, along with forces from Cameroon and Chad and the help of Western powers including the U.S. and France, has been gaining back territory from Boko Haram.

An internal battle for control between Abu Musab al-Barnawi, declared by Islamic State to be the group's new leader, and longtime Boko Haram leader Abubakar Shekau—has also slowed the group, which under Mr. Shekau pledged allegiance to Islamic State last year.

Signs that the militants were ready to talk had been building for several months.

elected in 2015, pledged to defeat the Islamic State-affiliated group and free the girls, the highest profile of the estimated 30,000 people the group has taken hostage.

The news was a boost for the embattled president, who has made hefty territorial gains against the insurgency since his 2015 election but struggled with illness and growing discontent amid Nigeria's worst economic recession in decades.

Hours later, the presidency confirmed he would return to

London Sunday night for an undisclosed period of medical treatment. The president, who returned from extended leave in March, has in recent weeks missed three cabinet meetings and looked increasingly drawn, prompting growing concerns over his ability to govern.

"He decided to tarry a bit, due to the arrival of 82 Chibok girls who arrived [in] Abuja earlier in the day. The president wishes to assure all Nigerians that there is no cause for worry," the presidency said.

The freeing of the girls this weekend, brokered by the Inter-

"The timing of the release is not coincidental. Buhari has been facing criticism within his own camp about his capacity to rule amid speculation over his health," said Gillian Parker, a Lagos-based analyst at Control Risks Group, a risk consultancy. "Buhari's second leave of absence this year will contribute even further to conjecture he is seriously unwell. This weekend's news is unlikely to be enough of a distraction from an ailing president."

Sunday's release means 113 of the 276 kidnapped girls remain missing. Some relatives

national Committee of the Red Cross and the Swiss government, follows the release of 21 of the Chibok girls in October after talks with the militants.

The presidency on Sunday said "some Boko Haram suspects held by authorities," were released, but offered no further detail. One official with knowledge of the rescue operation said the girls were released near the town of Banki close to the border with Cameroon.

Sunday's release means 113 of the 276 kidnapped girls remain missing. Some relatives

Islamic State Leader In Afghanistan Killed

BY JESSICA DONATI

KABUL—The U.S. military on Sunday said its forces killed Sheikh Abdul Hasib, Islamic State's leader in Afghanistan, in a joint raid with Afghan soldiers in the eastern Nangarhar province.

A combined force of U.S. Army Rangers and Afghan Special Forces—who were dropped into the Mohmand Valley near the border with Pakistan by helicopter—carried out the operation on the night of April 26 in which a number of the extremist group's top commanders also were killed, according to a U.S. military statement.

The U.S. military has since said it is investigating whether the two U.S. soldiers who died in the operation were killed by friendly fire.

"This successful joint operation is another important step in our relentless campaign," said General John Nicholson, the top commander of U.S. forces in Afghanistan. "This is the second ISIS-K emir we have killed in nine months, along with dozens of their leaders and hundreds of their fighters."

The operation took place in the same area where the U.S. military dropped one of the largest non-nuclear bombs in its

arsenal, nicknamed the "Mother of All Bombs," on an Islamic State tunnel-and-cave complex.

In the weeks leading up to the blast, U.S. and Afghan forces killed more than a dozen Islamic State fighters, driving the militants out of villages that had been occupied for years into the mountains, according to Afghan special forces.

Residents there were returning home for the first time in years to inspect the damage. Locals interviewed by The Wall Street Journal during the visit to the area were supportive of the strike and hoped for compensation after years of hardship.

The Islamic State Khorasan, as the Afghan affiliate is known, emerged in Afghanistan in late 2014, as most coalition troops were withdrawing from the country. The group established a foothold in the east and has been working to win pockets of support in other parts of the country.

The U.S. military said Islamic State's Afghan leader was responsible for a recent attack on a military hospital in Kabul that killed more than 100 people.

Islamic State's presence in the area has shrunk in the weeks since U.S. and Afghan forces have pressed an offensive into its eastern stronghold.



Construction work took place at the Israeli settlement of Ramot in the West Bank in January.

Israel Presses Trump on Vows

BY JAY SOLOMON

NEW YORK—President Donald Trump came under increased pressure from the Israeli government to follow through on foreign-policy pledges he made during the campaign, including moving the U.S. Embassy to Jerusalem, days before he embarks on his trip to the Middle East.

Israeli Prime Minister Benjamin Netanyahu welcomed Mr. Trump's election, following eight years of butting heads with former President

Barack Obama on issues including Israel's building in disputed territories.

But Mr. Trump's pledge this month to resume Mideast diplomacy has unnerved members of Mr. Netanyahu's cabinet, many of whom spoke at a conference on Sunday in New York. The U.S. leader is scheduled to visit Saudi Arabia, Israel and Europe beginning on May 19.

Some of Mr. Netanyahu's top aides questioned the nature of the Mideast peace process, which for decades has sought to establish an independent

Palestinian state on lands in the West Bank and Gaza Strip. They sharply criticized the leadership of Palestinian Authority President Mahmoud Abbas, whom Mr. Trump welcomed to the White House last week.

Another, more pressing issue, is the status of the U.S. Embassy in Israel. Both Israel and the Palestinians claim Jerusalem as the capital of their states, making its status among the most contentious issues in the peace process. White House officials recently have said the status of the embassy is still under review.

China's exports rose for a second straight month in April, as external demand for goods from the world's second-largest economy continued to show improved strength.

Exports increased 8% in April from a year earlier, following growth of 16.4% in March, the General Administration of Customs said Monday. The value of shipments overseas had been forecast to grow by 10% according to economists polled by The Wall Street Journal.

—Grace Zhu

HAMAS Islamist Movement Names New Leader

Hamas named Ismail Haniyeh as head of the Islamist movement's political arm, replacing Khaled Meshaal, who steps down after a decade in power.

Hamas dropped a call for Israel's destruction and accepted the notion of a Palestinian state based on Israeli borders before the 1967 Arab-Israeli war. The group said it would continue not to recognize Israel's right to exist and would eventually seek to control all of historic Palestine, making up Israeli territory, the West Bank and Gaza.

—Rory Jones

PRINT

Continued from Page One

Lords spokeswoman says. Rancor over the worth of that difference has pitted traditionalists against modernists.

"It's a great shame," says Mr. Gray, a Conservative lawmaker for 20 years. He resigned in protest from the Administration Committee, a panel that advises on parliamentary operations, after it voted 3-to-2 for paper in October. "This is destroying a piece of culture, history and tradition for no particular reason."

Paper does the job just as well, says Martyn Day, a Scottish National Party lawmaker on the panel who voted against parchment. "Vellum, to me, is just a waste of money."

Vellum is unquestionably more durable, says Professor Timothy Barrett, a University of Iowa expert on European paper. But well-made paper stored somewhere cool with low humidity, he says, will survive for centuries, if not

millennia.

Britain's House of Lords switched to paper in 1999 with no reported untoward effects. Laws and resolutions of the U.S. government were printed on parchment until 1920, says Jane Fitzgerald, a National Archives archivist. Since then, they have gone on paper.

The antivellum movement is part of a broader modernist trend that Mr. Gray says is upsetting. He was irritated this year when the House of Commons clerks cast aside their wigs, ending a 300-year custom. That came on top of House Speaker John Bercow's dropping the traditional court dress to wear a suit, tie and gown.

"All these things, one by one, are disappearing," Mr. Gray says. "At the moment, there seems to be an awful rush toward modernization."

Parliament still adheres to some archaic traditions. Members don't use one another's names in the chamber, instead referring to "the honorable member" or "right honorable." When the speaker is elected,

lawmakers drag him to his chair by parts of his suit and his hair.

The vellum dispute comes as Parliament prepares to transfer 19,000 pieces of European Union law onto Britain's books to pave the way for an exit from the EU. This process, to avoid a legal vacuum once the U.K. leaves the bloc, would have been a bonanza for Paul Wright, manager of vellum manufacturer William Cowley, which supplies Parliament.

Mr. Wright says the Magna Carta, which in 1215 established the English-speaking world's rule of law, has remained pristine because it is printed on vellum. Paper lasts for 350 years under normal conditions, compared with vellum's 5,000 years, he says. The Dead Sea Scrolls, he points out, were parchment and remained preserved in a cave for more than 2,000 years.

"The Brexit documentation will be as important in 800 years' time as the Magna Carta is today," says Mr. Wright, whose family-owned company uses a secret process passed down over generations and supplies vellum for special documents around the world.

Parchment, unlike paper, is fire-resistant and difficult to tear, says Matthew Collins, a University of York archaeologist.

Vellum production goes back thousands of years. Craftspersons soak calfskin in lime for weeks, making it easier to scrape off fat and fur. They wash and stretch it onto a wooden frame, dry it and scrape it with a curved knife.

Documents in both materials are "readable and perfectly usable as records," says Adrian Brown, director of the parliamentary archives, which occupy 12 floors of dark rooms with records dating to 1497.

The House of Lords spokeswoman says the House of Commons's switching to paper would save at least £80,000 (\$103,000) a year. Mr. Wright



Inside a workshop at William Cowley, a vellum manufacturer.

puts it at £26,000 a year.

In April 2016, the House of Commons voted to override a House of Lords recommendation to stop using vellum. Six months later, the Administration Committee advised against that vote. A parliamentary commission ratified the paper decision in January but agreed to print the covers of future acts on vellum.

It's "nonsense" that vellum won't be used, said U.K. Defense Secretary Michael Fallon, adding that efforts were under way to overturn the committee vote. Mr. Fallon, who has a 1662 vellum document from diarist Samuel Pepys, says paper isn't an adequate substitute. "We're not admitting defeat."

Calligrapher Patricia Lovett says losing a beloved tradition to save money makes no sense. "We send the queen in a coach drawn by horses in a crown to open Parliament," she says. "If you put a bottom line on everything, as accountants would do, she'd go to Parliament in a taxi in an ordinary frock."

FROM PAGE ONE

PRINT

Continued from Page One

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GREATER NEW YORK

ATF Agents Help Police Fight Crime

BY ZOLAN KANNO-YOUNGS
AND CORINNE RAMEY

A vest and ballistic shield labeled "ATF Police" are stashed in a corner of the Bronx field office of the Bureau of Alcohol, Tobacco, Firearms and Explosives.

The "police" label is for when federal agents go to suspects' homes to make arrests, said special agent Andrew Boss. "It's because people don't know what ATF is."

While the federal agency's local policing role may not be well known, law-enforcement officials say the agency is changing how some local crimes are investigated and prosecuted. Its agents are nearly always paired with New York Police Department detectives, and officials from both agencies say this relationship has improved in recent years.

When the ATF is involved, defendants are typically prosecuted under federal laws and are therefore more likely to cooperate with law-enforcement officials in bringing cases against other defendants, experts say.

"There's nothing scarier for a defendant than to be dragged

cused on the kind of criminal offenses that fall within jurisdiction of local agencies," said Chelsea Parsons, vice president for guns and crime policy at the Center for American Progress, a left-leaning think tank.

Some lawmakers have called for eliminating the agency, pointing to management problems and scandals involving some of its agents. ATF officials say they have made changes to ensure this no longer happens.

In the New York City area, ATF cases have included commercial robberies, gun trafficking and gang raids. Recent efforts included investigating an explosion in Central Park that severely injured a teenager and a takedown of more than 120 gang members in the Bronx.

In the Bronx office, ATF agents work side by side with NYPD officials, who are given federal law enforcement training. One room, dubbed the vault, holds hundreds of guns and other evidence, ranging from a guitar case used to conceal firearms to a small cannon a Brooklyn motorcycle gang used in a video intended to threaten its rivals.

NYPD Lt. Keith Smith said his detectives who work with ATF contribute local policing knowledge. He said working with ATF allows access to federal wiretaps and other surveillance tools, in addition to more time to build cases.

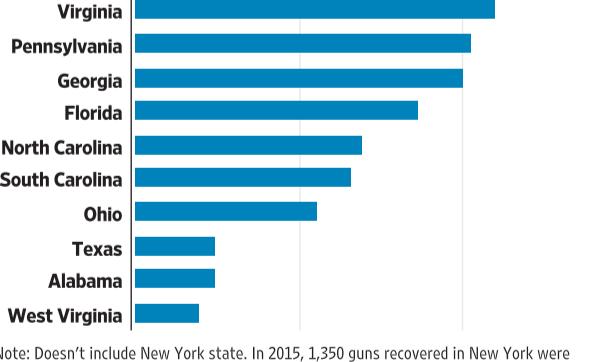
Resulting cases, particularly ones where a gun is used to commit a violent crime or drug trafficking offense, carry a "big hammer" when charged in federal court, said special agent in charge Ashan M. Benedict. Defendants convicted of federal crimes are often sent to prisons outside of New York. And they often do more time in prison because of mandatory sentencing guidelines for many federal crimes.

"To break the back of gangs, you cannot send them to Rikers or state prison," said former NYPD Commissioner William Bratton. "They're just going to be around the homies. You have to ship them out to Utah."

Critics said locking up defendants far from their families doesn't result in long-term public safety. "The 'ship off, lock and throw away the key' mentality has never worked and only leads to broken families, broken lives and broken communities," said Tina Luongo, an attorney at public-defender organization the Legal Aid Society.

Out-of-State Guns

The top 10 states where guns recovered by law enforcement in New York in 2015 were originally purchased.



Note: Doesn't include New York state. In 2015, 1,350 guns recovered in New York were originally purchased within the state.

Source: Bureau of Alcohol, Tobacco, Firearms and Explosives

THE WALL STREET JOURNAL.

For Judges, Drinking Is All in a Day's Work

BY CHARLES PASSY

New Yorkers may enjoy indulging in a glass of wine or two. But how about sipping your way through about 100 different bottles in a single day?

That was the challenge the 18 judges at the New York International Wine Competition faced Sunday. And it was one they met with a certain spunk, savvy and sense of humor.

As Christopher Struck, a judge who works as a sommelier at Manhattan's Union Square Cafe, declared

of a Cabernet Sauvignon from California that he said had almost an antiseptic quality: "It tastes like a doctor's office."

The seven-year-old annual competition, held at the 3 West Club in Midtown, has grown considerably, says founder Adam Levy, a computer-security specialist who turned his passion for all things alcoholic—he also runs beer and spirits competitions—into nearly a second full-time job.

The first year the wine event was held, about 300 bottles were submitted for consid-

eration; this year there were 800. Mr. Levy says he barely can keep up with all the entries, which come from wineries throughout the U.S. and Europe, in addition to Australia and South Africa.

Entrants pay a fee for each bottle, starting at \$85. In turn, they get graded by the judges, typically wine professionals who work in restaurants or stores, on a scale that ranges from the top double gold to "no medal."

Wineries often use good ratings in their marketing.

Cyclists Take a Spin Through the City



READY TO ROLL: Tens of thousands massed at the start of the Five Boro Bike Tour on Sunday before heading out on a 40-mile ride.

More New Yorkers Go on Defense

BY THOMAS MACMILLAN

In a Manhattan elementary school auditorium, self-defense instructor Gabriella Belfiglio led a dozen students through a review of techniques. "Practice your voice," she said. "Let go! Front kick! Foot stomp!"

The students shouted along with Ms. Belfiglio, slamming their heels to the ground in unison to crush the insteps of imaginary attackers.

Following a divisive presidential campaign characterized at times by racially charged rhetoric, more New Yorkers have been signing up for self-defense and hate-crime intervention classes similar to the one recently held at P.S. 11 in Chelsea at the request of school parents, according to anti-violence and martial arts instructors.

The recent trend indicates New Yorkers' willingness to take matters into their own hands amid an increase in hate crimes in the city. New York Police Department statistics show that these crimes have nearly doubled this year, with a total of 171 between Jan. 1 and April 23, compared with 88 during the same period last year.

Not everyone thinks self-defense and hate-crime intervention training is the correct response. Stephen Davis, a spokesman for the NYPD, urged New Yorkers to focus on "self-awareness" first, and the Anti-Defamation League said the best thing to do is call the police.

Last month's training at P.S. 11 was led by instructors from the Center for Anti-Violence Education, an organization that teaches self-defense, violence prevention, and conflict de-escalation tactics.

Tracy Hobson, executive director of the center, said the New York City-based group has seen a 400% increase in requests for training compared with last year. She said the center offered 59 workshops between January and March this year, up from four in the same period last year.

Requests for training mostly have come from organizations representing Muslims, LGBT groups, immigrant populations and women, she said.

Patrick Lockton, head of the Krav Maga Institute in New York City, which teaches an Israeli system of combat designed for the street, said he has a waiting list of six months.

Gabrielle Rubin, who teaches a self-defense course

called Female Awareness in Manhattan, said attendance at her sessions has doubled in the last three months.

"It's kind of like drawing a line in the sand," said Nancy Chinhair, a parent at P.S. 11 who organized the recent training.

As she left the P.S. 11 auditorium, Tatiana Sierota, a dog groomer from Brazil who lives in New York, said she took the class because an immigrant friend, also from Brazil, complained that she had been harassed on the street, and told to go back to her country.

"Right now we live in crazy times," Ms. Sierota said. "I want to defend people."

—Zolan Kanno-Youngs contributed to this article.



Carol Scott teaches skills such as how to defuse altercations in a workshop organized by the Center for Anti-Violence Education.



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BRONX

Onetime Rail Station Gets on a New Track

Developers are revamping a former railway station in the Bronx in a bid to attract more dining diversity to the neighborhood.

Urban revitalization adviser and developer Majora Carter is teaming up with Slayton Ventures to restore a building that sits at the gateway of the Hunts Point community. The partners envision creating a hip, affordable dining spot, possibly a food-hall operation with numerous vendors offering various options, Ms. Carter said.

"Variety is something we don't have," Ms. Carter said. "We know dollars leave our community because we don't have the kind of quality that speaks to people of diverse economic profiles."

ABS Partners Real Estate LLC is marketing the \$2 million project to revitalize the property, an early 20th-century building designed by Woolworth Building architect Cass Gilbert.

Situated near a subway station, the building's location promises a lot of foot traffic, said Joe Italiaander, an associate at ABS Partners. Despite the large residential and commercial population in the area, the neighborhood lacks food options, he said.

The developers are in the process of selecting architects, and plan to install a new facade and roof, as well as bathrooms and kitchens. Work is expected to begin this summer and be completed in the fall.

Neighborhoods to the south of Hunts Point have created buzz recently because of residential projects under way, and brokers are hoping to draw attention north, where commercial and residential projects also are rising. The 4,500-square-foot building, with its high-arched reinforced-concrete ceilings and distinct dormers provide an attractive venue, Ms. Carter said.

The building once served as a railway station, but later was discontinued. Ms. Carter said she remembers her father, a Pullman porter, was able to disembark from the train close to the discontinued station building and walk to their home nearby. Amtrak, the owner, later leased out the building for retail.

Ms. Carter's company, Majora Carter Group LLC, secured a permanent easement agreement from Amtrak for \$1.

MANHATTAN

Developers Picked for Far West Side Project

The New York City Economic Development Corp. has tapped a development team to transform a far West Side parking lot into a mixed-use tower with affordable housing, offices and dormitories.

Radson Development and Kingspoint Heights Development were selected for their proposal to build a project with an all-affordable-housing component, a feature for which the community board and the New York City Council member representing the increasingly pricey area strongly advocated. The proposed tower, which is just shy of 500 feet, will rise near West 39th Street at 495 11th Ave., now occupied by a New York Police Department parking lot.

"To get a 100% affordable-housing project on a city-owned site is huge for this district," said New York City Councilman Corey Johnson. "The area has become a lot more expensive and there is not enough affordable housing being produced."

The joint venture was selected for its proposal to build 234 affordable apartments, 200,000 square feet of office space, 80,000 square feet of dorms, a 12,000-square-foot grocery store and amenities including a gym and food court, according to the city and developers.

The proposal also would provide a new parking facility for the police department. The commercial space would subsidize the affordable housing.

The development is just north of the Javits Center and not far from the office and residential towers rising in the Hudson Yards District. Many of the other projects in the area are catering to the high-end sector, said Daniel Rad, a principal at Radson Development.

The development companies, both of which have experience in the affordable sector, wanted to work on a project with 100% affordable housing that would help maintain a mixed-income environment that is traditional to the neighborhood, Mr. Rad said.

The development will have to go through the city's zoning process. Developers hope to break ground in the fall of 2019 and complete the project in the winter of 2022.

—Keiko Morris

Landlord Freebies Are on the Rise

By KEIKO MORRIS

Manhattan office landlords are boosting their use of sweeteners such as free rent and remodeling cash to entice tenants to rent space, according to brokers and market reports.

The average value of free-rent periods and landlord payments for remodeling top-tier office space, known as concessions, hit \$173 a square foot in the first quarter in Midtown, up 3.3% from a year earlier and about 2½ times its level a decade ago, according to research by real-estate services firm Savills Studley.

Competition from new office space, especially on the far West Side and downtown, and a long-term trend of tenants packing more people into less square feet are forcing landlords' hands, brokers said. A bevy of new projects opening soon are adding to landlords' stress.

"They are well aware of a whole bunch of space the market knows is available but is not yet in the [vacancy] statistics," said Matthew Barlow, a Savills Studley executive vice president and director. "Landlords are trying to get ahead of those headlines and rent as much space as they can."

A few years ago, owners of office buildings were offering rent abatements between five to seven months, and tenant-improvement contributions of \$60 to \$70 a square foot, brokers and real-estate executives said. Today, brokers said, tenants get offers of anywhere from 12 to 15 months of free rent and landlord contributions reaching \$85 to more than \$100 a square foot.

In the first quarter, the average tenant-improvement allowance for Midtown's top-end office space was \$87.39 a square foot, with a rent abatement period of 10.25 months, according to Savills Studley.

While concessions have been climbing since the last recession, brokers and analysts caution the increased incentives aren't viewed as a sign of im-



PETER RYAN
pending doom in the office market. Historically low interest rates, for example, make the concessions more affordable than in past real estate cycles.

"Higher concessions are not always a sign of a weak market," said Tristan Ashby, director of New York research for JLL. "As long as interest rates are low, owners would rather offer larger concessions today for higher face rents going forward."

Among those most aggressive with tenant concessions have been landlords interested in preserving or boosting rent levels to maintain or increase the building's value, brokers and real-estate executives said. These owners can negotiate higher rents with tenants, offering to cover a significant portion of construction costs and sometimes even taking on the complex task of managing an office buildout. They can make their return when they refinance, recapitalize or sell their properties.

Long Island Tops City Office Design

Companies building out their office interiors spend more in the suburbs of Long Island than businesses outfitting offices in San Francisco and New York City, according to a report for real-estate services firm JLL.

Although both coastal cities recorded higher overall costs to fit out offices, the average out-of-pocket expense for companies on Long Island was \$196.18 a square foot, more than \$17 higher than the amount spent by tenants in

Companies are hewing to the conservative approach they adopted after the financial crisis. "No one wanted to spend capital," said Paul Myers, executive vice president at real estate services firm CBRE

New York City, JLL reported.

Rising construction costs are partly to blame, but landlords offering bigger incentives to lure tenants in pricier markets such as New York City is the main reason, researchers said.

Long Island's proximity to New York City translates into construction costs that are slightly less than those in the city, but Long Island tenants received an average of \$35 a square foot in tenant improvement allowances, compared with \$65 in New York City, the report said. "New York rents are a lot higher, so in order to entice tenants to pay those kinds of rents, those landlords tend to offer

Group Inc. "We've never 100% gotten away from that mode, so landlords have to give large work letters to keep up with construction costs."

The rise in landlord concessions for office tenants isn't distributed evenly throughout Manhattan's submarkets and often depends on the type of building and its owners' investing goals.

One of New York's biggest landlords, SL Green Realty Corp., said it was holding the line on tenant concessions in the first quarter, averaging

higher concession packages," said Tristan Ashby, director of New York research for JLL.

A labor shortage in the construction industry has plagued the U.S. and led to higher costs, as demand for those services has increased, said Mason Mularoni, a senior research analyst at JLL. Many construction workers left the industry during the last recession, he said.

Moreover, the preferred office design requires higher-end finishes. "The polished concrete floors and the industrial look that people are going for, some of that is more expensive than the more traditional offices," Mr. Ashby said.

—Keiko Morris

\$20 a square foot in improvement contributions for renewal deals and about \$63 a square foot for new deals, the company's chief executive said in a conference call last month.

Rising concessions in the broader market have had less of an effect in the small-tenant market, said Brian Steinwurtzel, co-chief executive of Newmark Holdings, which caters to small businesses. Many older buildings geared toward smaller tenants have been converted to residential uses, reducing competition for Newmark.

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LIFE & ARTS

BURNING QUESTION

By Heidi Mitchell

Can Soda Soothe Your Stomach?

FOR MANY PEOPLE who grew up in the 1970s, mom had a quick remedy for an upset stomach: a few sips of soda. Those little bubbles and hit of sugar were said to alleviate the queasy feeling that comes from eating a massive meal or not-too-fresh fish. Is there any science to back up this claim? One expert, Alexandra Gutierrez, a gastroenterologist at Washington University in St. Louis, explains how the stomach "feels" upset and the historic significance of the kola bean.

Gut Check

Humans don't have pain receptors in their gastrointestinal (GI) tract. "The only thing your stomach, intestines and colon feel are distention," says Dr. Gutierrez, who specializes in inflammatory bowel disease. The stomach should only hold about 8 oz. of food at one time—though it has the ability to distend to carry a full gallon. After gulping down a meatball sub, most people become over-full and bloated, which feels like pain or queasiness. A meal high in fat also decreases motility, further enhancing that stuffed, nauseous sensation. "If you eat bad or poorly prepared food with toxic bacteria in it, your body will eject it one way or another. But if you overeat, you'll likely have gas and distention, which can feel awful," says Dr. Gutierrez.

The only way to eradicate that feeling is to get the food out of the stomach and into intestinal tract through chemical breakdown and physical movement of the food.

Mom's No-So-Scientific Cure

There is no medical evidence to suggest that drinking a carbonated soda will calm the stomach, says the medical school professor, but the power of persuasion can be strong. Plus, there is anthropological lore buried in the age-old remedy: Coca-Cola was originally made with real kola berries, which some African cultures would chew during celebrations where big meals were served.

"The berries are naturally caffeinated, and caffeine activates the GI tract," says Dr. Gutierrez. These days colas no longer use kola beans, and there are other ways to get GI-tract-jumpstarting caffeine, such as coffee," says Dr. Gutierrez. There may also be an upside to the effervescence: as those tiny bubbles pop, they may encourage motility by triggering the GI tract to move into high gear. Still, she says, the nausea-relieving benefits might be offset by the high volume of sugar in a typical soda.

Nature's Cures

The feeling of an upset stomach can also be caused by bacteria-induced inflammation that might be triggered by various medications, and there are natural anti-inflammatories.

Turmeric or saffron can be boiled and drunk as a tea to help bring down distension. Fresh ginger sliced into water or club soda should also soothe the stomach. Ginger ale typically doesn't contain real ginger, though.



EXHIBITS

The Olympics of the Art World

The Venice Biennale is steering clear of politics this year and exploring light themes

BY KELLY CROW

THE VENICE BIENNALE is trying to lighten up. Organizers of the century-old exhibition of contemporary art, which opens to the public May 13, encouraged artists in its main show to steer clear of geopolitical conflict and focus instead on playful themes—joy, fear, color, time and sexual freedom.

The tenor of the exhibition, which takes place in pavilions and piazzas all over town, is largely determined by the biennial's sprawling main show, "Viva Arte Viva." This roundup of 120 new and established artists was picked by the biennial's artistic director Christine Macel, a former Centre Pompidou curator. Her two predecessors focused on folksy, self-taught artists and political artists from marginalized regions—but Ms. Macel's choices suggest she's projecting a playful tone. She has organized her galleries like a book, with artists' stories unfolding in rooms under headings like "The Pavilion of Time and Infinity."

"In a world full of conflicts and shocks, art bears witness to the most precious part of what makes us human," she said in a statement, adding that she hopes to hold up the rollicking world of the artist's imagination as an antidote to geopolitical ills.

Rising stars this year include Julian Charriere, a Swiss artist based in Berlin whose



one-ton coconut cannon for the recent Antarctic Biennale was confiscated by German police. His last project in Venice caused a stir because it involved dousing the city's pigeons in brightly colored powder. This time, he is showing a more sober piece, "Future Fossil Spaces," a room of so-called ruins he's built using striated bricks carved

'Lake Valley,' left, is an example of work by Rachel Rose, whose work will appear at the Venice Biennale. 'The Mountain,' below, by Moataz Nasr, also will be exhibited at the biennial.

from the world's largest salt flat in Bolivia's Andes mountains.

Another up-and-comer is Rachel Rose, a New York artist whose haunting video work from 2015, "Everything and More," was inspired by an interview with astronaut David Wolf. Organizers asked Ms. Rose to keep her Venice piece a secret until the biennial opens, said her gallery Pilar Corrias.

Edi Rama, an artist whose day job is prime minister of Albania, is more forthcoming about his contribution: a 62-foot-long sheet of wallpaper he's designed using colorful doodles he first drew on scratchpads and copies of government documents. Mr. Rama, a former art professor who taught art star Anri Sala, said he often draws during phone calls at work because he finds it "calming." "My drawings only became art after they left my office," he said, "so to show them in Venice is a dream."

Along with giving younger artists their breakout moment, Venice gives curators a chance to validate older artists who may have been overlooked. Expect a reassessment of Irma Blank, an artist born in Germany.

Please see VENICE page A14

FROM TOP: GIULIO SQUILLACIOTTI; RACHEL ROSE/PILAR CORRIAS GALLERY, LONDON; MOATAZ NASR/GALLERIA CONTINUA

HEALTH

TREE THERAPY? 'FOREST BATHERS' SAY IT HELPS



BY SURYATAPA BHATTACHARYA

Shinano, Japan

ON A TREK THROUGH a snowy western mountain range, a forest guide points to a grove of evergreen Japanese red cedar trees, and hikers gather around to take deep breaths.

They call themselves forest bathers, part of a growing movement that believes immersing oneself in nature and in the chemicals plants and trees emit has unexpected medical benefits. The trip is part of their orientation as new employees of a maker of power devices.

"Even if you can't smell them, they are there," the guide, Kazuhiko Kouriki, says of phytoncides, or chemicals emitted by some plants to protect themselves

from insects and germs. Studies suggest that taking in the air around certain kinds of trees lowers stress and increases focus, Mr. Kouriki says.

The research isn't definitive, but from Japan to Hollywood, forest bathers swear by the therapeutic effects of trees. Justin Bieber is a fan, posting photos of himself on Instagram enjoying nature. Gwyneth Paltrow recommended it in her newsletter, and some resorts in the U.S. have started to offer forest-bathing programs.

Japan's government has spent millions of dollars promoting forest bathing, a term translated from the Japanese *shinrin-yoku*, and it funds research into the possible benefits. Some 62 forests and wooded paths have passed a gauntlet of tests to be designated

Please see FORESTS page A15

Kazuhiko Kouriki, in green jacket, led hikers, left to right, Tsubasa Funanami, Shota Igarashi and Tomoya Oya on a forest-bathing trek last month in Japan.

LIFE & ARTS

VENICE

Continued from page A13
many in 1934 who now lives in Italy and is known for transcribing entire books and newspapers into slender script that's unreadable—a gesture that turns language into line. Her dealer Alison Jacques said Ms. Blank will show some of her earliest pieces from the late 1960s. Sam Gilliam, a Washington-based painter, is also making a return appearance 45 years after he became the second African-American artist to show in the biennial. This time, his dealer Kurt Mueller said Mr. Gilliam is making a "spectacular" new painting that nods to his earlier Color Field breakthroughs.

In addition to the main show, 85 nations are participating with their own shows around town, including first-timers Nigeria and the tiny Pacific island of Kiribati. Malta is back after a 17-year hiatus. Dozens of art foundations, museums and private collectors are also arranging separate exhibits citywide—a collective effort that is expected to draw 300,000 people to Venice over the next seven months, organizers say. Exhibitions run through Nov. 26.

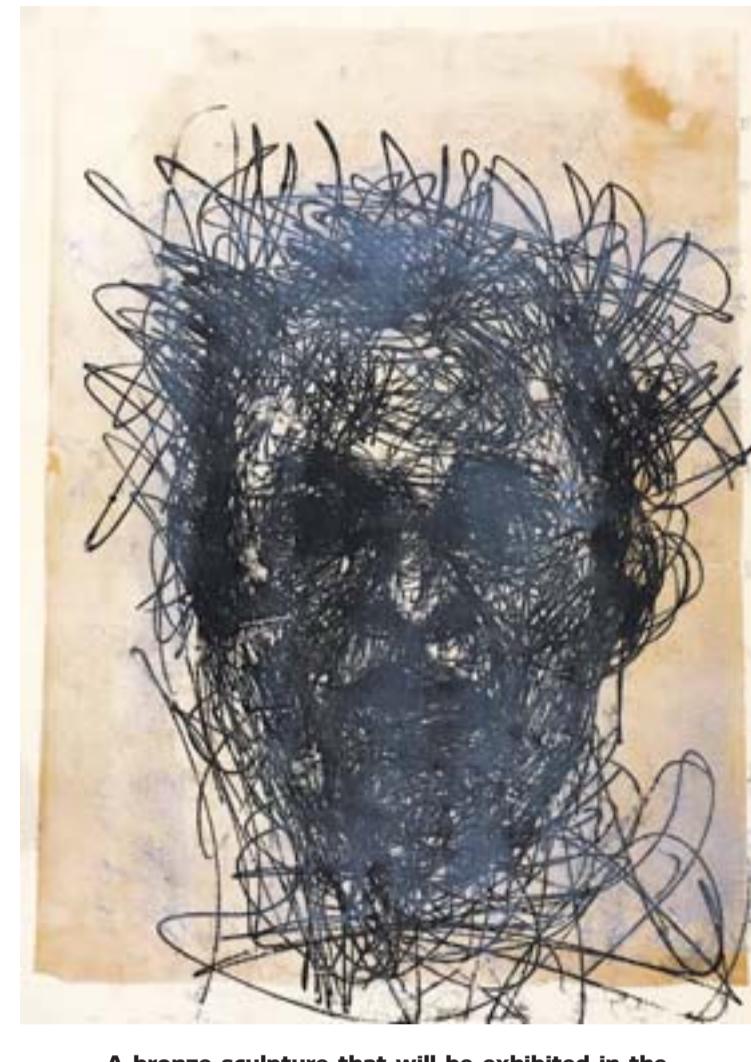
The national pavilions will feature plenty of social critique. Tunisia enlisted a German company known for making most of the world's encoded security papers to design an imitation travel document. Curator Lina Lazaar said Tunisian migrants who had previously been unable to secure their own visas to Italy intend to hand out 100,000 of these "freesas" at kiosks citywide. "Because of Venice, we were able to get them in," Ms. Lazaar said.

James Lee Byars' 65-foot-tall "Golden Tower" structure will also go up along the Grand Canal near the Accademia museum; it was gilded by the same Italian firm that gold-leaved Versailles, and Byars' dealer Gordon Veneklasen said, "It's meant to remind us that art can transform humanity."

Here are some other national highlights.

U.S.A.

Los Angeles artist Mark Bradford is already a museum mainstay, but that doesn't mean he took a casual approach to representing the U.S.



A bronze sculpture that will be exhibited in the Canadian pavilion by Geoffrey Farmer, right. 'Untitled' by Admire Kamudzengerere, above.

"The significance of Venice rises up over you like Atlantis in the ocean," Mr. Bradford said. His response: "I started swimming." Pavilion curator Christopher Bedford said the artist, who is known for sanding and layering found paper into abstracts, "wrung himself out" for the occasion with new sculptures like "Spoiled Foot." This red, cellular blob will be suspended from the ceiling in a way that forces viewers to inch around it, an uneasy scenario that Mr. Bradford said matches his current sentiments about his country.

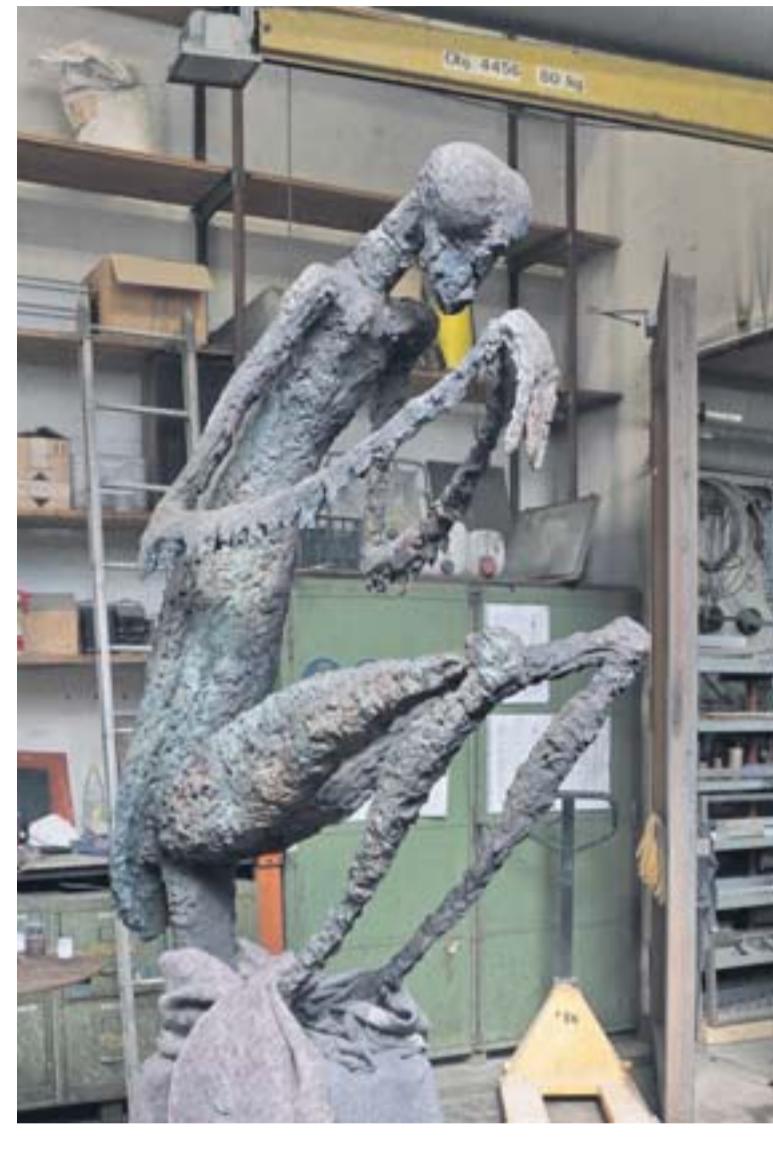
CANADA

Canadian artist Geoffrey Farmer is known for attaching paper cutouts of people and places that fascinate him onto spindly wooden sticks

and arranging the multitudes into a sort of sprouted, visual encyclopedia. But for Venice, he wanted to "shift to something new," so he teamed up with a Swiss foundry to help him turn the Canadian pavilion into a "fountain," he said. Mr. Farmer's new bronze sculptures still delve into dense histories: This time he reveals a traumatic secret involving his grandfather.

POLAND

When Los Angeles-based artist Sharon Lockhart went to Poland eight years ago for a show, she fell hard for its people and has since traveled back nearly two dozen times to make films and mentor teenagers she befriended at a home for young women in Rudzienko called the Youth Center for Socio-



Therapy. For Venice, she said she enlisted 47 girls from the center to comb through back issues of "Little Review," a popular children's weekly that ran in Poland in the 1920s and 1930s. The girls picked 29 issues to be translated into English, and Ms. Lockhart will distribute them, once a week, at the Polish pavilion. (She and the girls are writing and editing their own new issue of the "Little Review.")

ZIMBABWE

Zimbabwe's artists are gaining major traction among collectors in Africa and beyond right now. They are holding a group show of works by modern master sculptor Sylvestre Mubayi and young upstarts like architect Dana Whabira and painters Charles Bhebhe and Admire

Kamudzengerere. Mr. Kamudzengerere produced a series of expressive portraits printed on Harare phone book pages in a nod to a belief that people too often get reduced to numbers and statistics.

EGYPT

Egyptian artist Moataz Nasr has carted dirt and bricks from home to build an immersive backdrop for his latest multi-screen video installation, "The Mountain," which chronicles the day—and night—of a fictional Egyptian village. As the hours tick by, its residents appear to grow increasingly suspicious, but the reason seems unclear. His dealer Mario Cristiani said Mr. Nasr wanted to show "fear from a poetic point of view."

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LIFE & ARTS

EXHIBITION REVIEW

At the Birth of Anthropology

BY EDWARD ROTHSTEIN

Cambridge, Mass.

AMONG THE innovations that Chicago's 1893 World's Columbian Exposition left behind are Cracker Jack, the Ferris Wheel, and American anthropology. The last is only a bit of an exaggeration, since as we learn at a striking new exhibition at Harvard's Peabody Museum of Archaeology & Ethnology, the scholar who oversaw the fair's anthropology pavilion, sent out expeditions to collect artifacts, and gathered its "live exhibits" was the man who turned the Peabody into a major collecting and teaching institution for anthropology—its second director, Frederic W. Putnam.

Anthropology was a joint creation of museum and fair. Typically both offer spectacular displays, though one is meant to be enduring and disciplined, the other evanescent and enticing. Both also left their mark on the nascent field. That is one theme of "All the World Is Here: Harvard's Peabody Museum and the Invention of American Anthropology," which the Peabody is mounting for its 150th anniversary. The exhibition is a nuanced tribute to the museum, to the 1893 fair, and to a discipline whose origins are still riven by political debate.

The key figure is Putnam, Peabody's curator from 1874 to 1909. The first professor of anthropology ("ethnology") at Harvard, he developed the anthropology program at the American Museum of Natural History in New York and was instrumental at Chicago's Field Museum of Natural History and the University of California at Berkeley. His assistant in Chicago was Franz Boas, who later developed cultural anthropology. They treated the fair as the museum's popular counterpart.

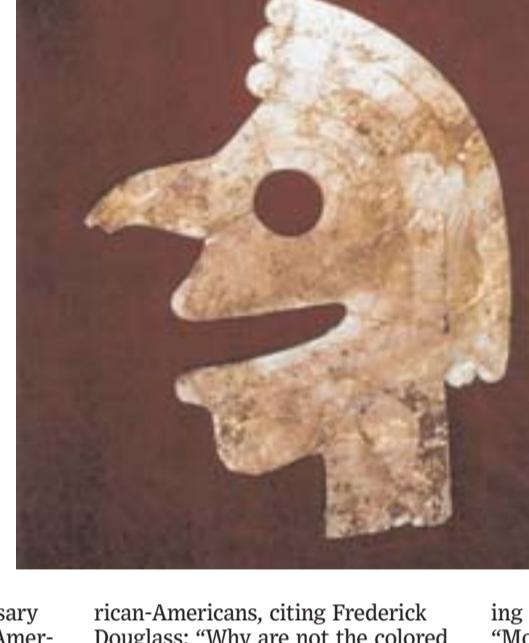
This exhibition cites Otis T. Mason in 1893, curator of the Smithsonian's Bureau of American Ethnology: "The World's Columbian Exposition was one vast anthropo-



Clockwise from above: Haida Effigy Pipe c. 1840; Innu sealskin hold-all; Hopewell face effigy, 200 B.C.-A.D. 400

logical revelation. Not all mankind were there, but either in person or pictures their representatives were." The exposition cost \$46 million (\$1.2 billion today) with some 65,000 wide-ranging exhibits. Open for just six months, it attracted 27 million visitors. Those visitors became aware of anthropology through the displays on the Midway Plaisance. They must have also associated the new discipline with their own superiority, because that attitude was implicit.

There's the rub. The birth of anthropology was accompanied by condescension toward the cultures studied. Putnam exhibited Inuit and American Indian cultures at the exposition, which was celebrating the 400th anniversary of Columbus's "discovery" of America, partly because they showed what might have been without European influence. And we see here calipers and measurement tools like those shown at the fair as instruments of "physical anthropology," a discipline associated with racial differentiation. Another display points out the fair's crude treatment of Af-



rican-Americans, citing Frederick Douglass: "Why are not the colored people, who constitute so large an element of the American population, and who have contributed so large a share to American greatness, more visibly present?"

Condescension was also mixed in with what the exhibition calls "exoticism, eroticism, and commercialism" in the "live" displays. A

book on a touch-screen—"Portrait Types of the Midway Plaisance"—describes cultural "types" that veer into stereotypes.

Such was 1893 anthropology. But had any non-Western culture ever attempted a comparable survey? Had any examined human variation, doing it as much justice as knowledge then allowed? This was a great achievement too often dismissed by politically charged contemporary judgments. Finding a balance is not easy; condescension always is.

In about 3,500 square feet, the exhibition finds that balance. The overall impact is clear as we survey the museum's early decades: A discipline was being born. Putnam studied the "Mound Builders" of the Midwest, cultures that created enormous earthworks still not fully understood. He preserved Ohio's "Serpent Mound," convincing donors to buy its 60 acres and deed them to Ohio in 1890, creating the nation's first state park. Putnam also sponsored Robert Peary on an expedition to Greenland, where a dog



sledge on display was used. And in 1890, the museum sent its first expedition to the Maya ruins in the Copan Valley of Honduras. Some plaster casts here are more detailed than the eroding originals.

The fair's spirit also peeks through. Here is P.T. Barnum's 1842 "Feejee mermaid"—a foot-long fish body with a human head. It is made of papier-mâché—ready for examination by some future cultural anthropologist.

All the World Is Here: Harvard's Peabody Museum & the Invention of American Anthropology

Peabody Museum of Archaeology & Ethnology,

Mr. Rothstein is the Journal's Critic at Large.

FORESTS

Continued from page A13
therapeutic by the Forest Therapy Society, a Tokyo-based nonprofit.

Local authorities sometimes organize checkups by medical doctors under a canopy of cedars, while companies send new employees into the woods for a therapeutic stroll ahead of the grinding workload new hires here face.

"At any company, people feel stress and we thought perhaps we could keep our new recruits better and longer if we gave them the opportunity to learn what stress is and how to cope with it," says Chieko Uchiyama, a personnel manager at TDK-Lambda, the TDK Corp. unit that organized the recent mountain trip.

Scientists studying forest bathing focus on the compounds trees emit. They reason that if swallowing certain plants can have medicinal effects—aspirin, for example, is derived from a substance in willow bark—breathing in the compounds may similarly be therapeutic.

A study published last year by Qing Li of Nippon Medical School in Tokyo had a group of 19 middle-aged men walk through an urban area in Tokyo and, a week later, take a forest walk. The men had higher levels of a fat-burning hormone after the walk in the forest.

Earlier studies, including one published in 2008 in the Journal of Biological Regulators and Homeostatic Agents, analyzed findings of forest bathing from 13 female nurses between ages 25 and 43. It showed exposure to phytoncides increased the activity of antimicrobial proteins released by killer cells of the immune system. That could have implications for research into anticancer proteins, Dr. Li says, although little follow-up has been done. In 2018, he will embark on a multiyear study to measure the effect of forest bathing on high blood pressure and mild depression.

"My goal is to get it listed as therapy, so it can be prescribed," Dr. Li says.

For his studies, he has struggled to recruit subjects who are willing to travel several hours from Tokyo and have their blood taken after some time in the mountains. Local volunteers take regular walks in the forest or have some exposure, so the results "are not as dramatic," he says.

Some believe forest bathing was imported to Japan from Europe and adopted by the government in the 1980s, while others trace the practice to Japan's native Shinto religion, which advocates communing with nature.

In Yoshifumi Miyazaki's office at the environmental-science department of Chiba University near Tokyo, a photo shows him speaking with the Crown Prince Naruhito and Princess Masako. The heir to the Japanese throne and his wife stopped by the university



last year for a presentation on the physiological effects of flowers, forests and trees, in particular the *hinoki*, a Japanese cypress.

For more than a decade, Dr. Miyazaki has studied measures like heart-rate and cortisol levels to determine whether breathing in compounds from *hinoki* oil can affect stress. His most recent research looks at how to reduce stress in wheelchair-bound seniors in need of rehabilitation so they can do physical therapy better.

He says he wants to re-create the outdoors for people too old or sick to venture out. "It will be a way to raise the quality of life," says Dr. Miyazaki, whose business card is printed on a sliver of *hinoki*.

Back in the mountains, Tsubasa Funanami, a 22-year-old TDK-Lambda new employee, looks up at the 60-foot-tall trees and



JEREMY SOUTER FOR THE WALL STREET JOURNAL

Tomoya Oya, top, took a nap during last month's forest-bathing session; his colleague **Shota Igarashi** listened to underwater sounds.

takes several deep breaths. Before the trip, he had questioned whether there was much point in forest bathing, but now he stares at the cluster of cedars and smiles.

Mr. Kouriki, the guide, then leads the forest bathers to the shore of Lake Nojiri. He pulls out a stethoscope and invites the trekkers to take turns listening to underwater sound. Mr. Funanami places the stethoscope's chestpiece against a rock submerged in the lake and listens. "I've never been there but it sounds like space," he says. Moments later, seated on a rock and staring out at the lake, he adds: "I feel like time is flowing slower than usual."

—Chieko Tsuneoka contributed to this article.



PROVINCIAL LIFE

LÉON AUGUSTIN LHERMITTE



Gifted artist. Time-honored subject. Phenomenal realism. Widely considered to be one of the most important 19th-century French Realist painters, Lhermitte presents the viewer with this masterfully composed ode to rural life. With its loosely rendered landscape and stunning pastel palette, this work is exemplary of the legendary artist's peerless and highly refined style. Original oil on canvas. Signed "L Lhermitte" (lower right) Canvas: 25 5/8" h x 20 1/4" w; Frame: 37" h x 31 5/8" w; #30-6346

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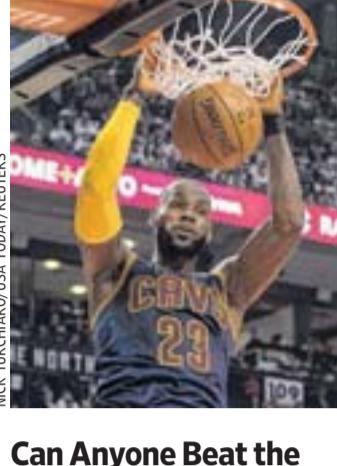
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SPORTS

HEARD ON THE FIELD



Can Anyone Beat the Warriors and Cavaliers?

The NBA playoffs have only proven what anyone who watches basketball already suspected: The Cleveland Cavaliers are better than they were this season, the Golden State Warriors are better than they were last season, and the two best teams in the league are bound to play each other again in the Finals.

The second round of the NBA postseason is like a juice cleanse. It lasts several weeks, follows something a little too indulgent and precedes something a lot more exciting. It appears increasingly likely that will be the most exciting outcome imaginable: a third consecutive showdown between teams that are still undefeated. That's right. The Warriors and Cavaliers are now 15-0 in the playoffs.

The Warriors won 73 games last year—so all they did this season was get better. They only won 67 games, but win-loss record isn't always the most useful measure of quality in today's NBA. Golden State outscored its opponents by an outrageous 12.1 points per 100 possessions, more than its 11.6 margin last year, with an offense that was even more efficient. Stephen Curry (pictured) and Klay Thompson can still shoot, and now they have Kevin Durant.

The Cavs have LeBron James, whose dominant performance in the playoffs makes it seem like he treats the entire regular season like an 82-game calisthenics session.

The reigning NBA champs were honored by skepticism when the postseason began. They had fallen back to second place in the East in large part because moths played better defense. Cleveland's defense, in fact, was the worst of any playoff team.

But it has become clear that the Cavs' regular-season performance wasn't indicative of future results. They swept the Indiana Pacers in the first round and then dusted off their brooms Sunday to sweep the Toronto Raptors, too.

Cleveland has demoralized teams that dared to think the East was there for the taking and reminded the rest of the NBA that only two teams really matter—and those teams still haven't lost in the playoffs.

—Ben Cohen

LaVar Ball and the NBA's Daddy Issues

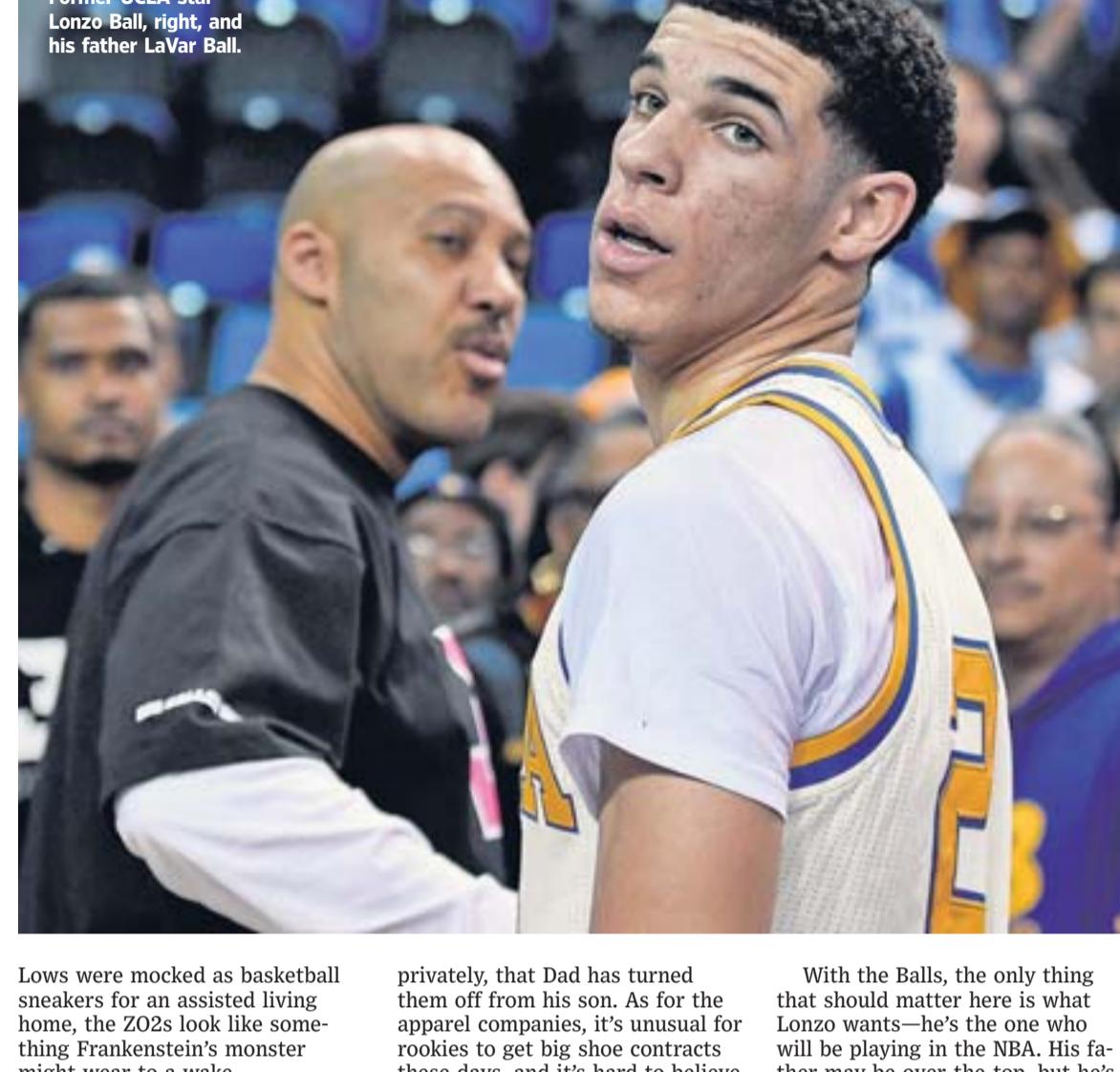
An over-the-top sports father has basketball on edge. What does his talented son really want?

By now, you've probably heard about LaVar Ball, the father of Lonzo Ball, the talented and recently departed UCLA college-basketball star who is considered a certain NBA lottery pick this June. Over the last several months, Ball père has whirled himself into a one-man media tornado as a spokesperson for his point-guard son and the entire Ball brood. Let's just go over the LaVarlights: Ball claimed 19-year-old Lonzo, who has precisely zero minutes of professional basketball experience, is already a superior player to reigning back-to-back NBA Most Valuable Player Steph Curry; he told USA Today that, in his own playing prime, he (LaVar—not Lonzo) would have crushed Michael Jordan in a one-on-one contest; he picked a bizarre fight with LeBron James over who would prove to be the better basketball dad (Besides Lonzo, Ball has two other hoops-playing sons, LiAngelo and LaMelo, both in high school; James's kids are, uh, 12 and 9). LaVar also appeared as a celebrated guest on sports TV asylums like FS1's "Undisputed" and ESPN's "First Take," where he...well, he fit in perfectly.

The rest of the sports media, it seems, is amid a prolonged and contradictory concern spasm over LaVar Ball, doing that time-honored maneuver in which it blasts someone for craving attention—while lavishing him with more attention. (The college-basketball shouter Dick Vitale recently named Ball to his "All-Wacko Team," which, though I love me some Dickie V., is like having Cap'n Crunch blast your breakfast as unhealthy.) The consensus anxiety is that LaVar's unfiltered talk is damaging Lonzo's potential as a player and a business—that Dad is turning off sponsors, and perhaps even teams. That belief peaked a couple of weeks back with an ESPN report that apparel companies Nike, Adidas and Under Armour passed on signing Lonzo—reportedly because LaVar insisted, among other demands, that the companies enter a licensing agreement with LaVar's own, existing apparel line, Big Baller Brand, which currently makes hats, T-shirts and other casual wear that Turtle would have worn a decade ago on "Entourage."

If you thought the shoe mafia's public rebuke would shame LaVar Ball, think again. Late last week, he grandly announced the upcoming release of Lonzo's own shoe, the ZO2 Prime. Black with gold highlights, low cut, and absent of any noticeable footwear innovation, it is mostly an aesthetic challenger to reigning shoe Ishtar, Curry's Under Armour Chef 2 Lows. If the bland, white Chef 2

Former UCLA star Lonzo Ball, right, and his father LaVar Ball.



Lows were mocked as basketball sneakers for an assisted living home, the ZO2s look like something Frankenstein's monster might wear to a wake.

Oh there's also this: a pair of ZO2s cost \$495. Did I mention this is a pair of basketball sneakers named for a player who has yet to play in the NBA? Predictably, social media set upon the ZO2 Prime like a fresh carcass, mocking LaVar's hubris, the shoe's design and its spectacular price. Shaquille O'Neal scolded LaVar for price gouging young consumers. "Real Big Baller Brands don't overcharge kids for shoes," the NBA Hall of Famer wrote on Twitter. When Golden State Warriors interim coach Mike Brown was asked if he'd buy a pair of \$500 sneakers for his children, he burst into a fit of gleeful laughter. None of this seemed to bother LaVar, who tweeted "if you can't afford the ZO2s, you're NOT a BIG BALLER."

On and on it will go, presumably at least until Lonzo is picked early in the NBA Draft on June 22—in the tastiest scenario, to Ball's hometown team, the Lakers. Will The LaVar Show impact where Lonzo's picked? Probably not. Both ESPN and the New York Daily News sniffed around; neither found a GM who indicated, even

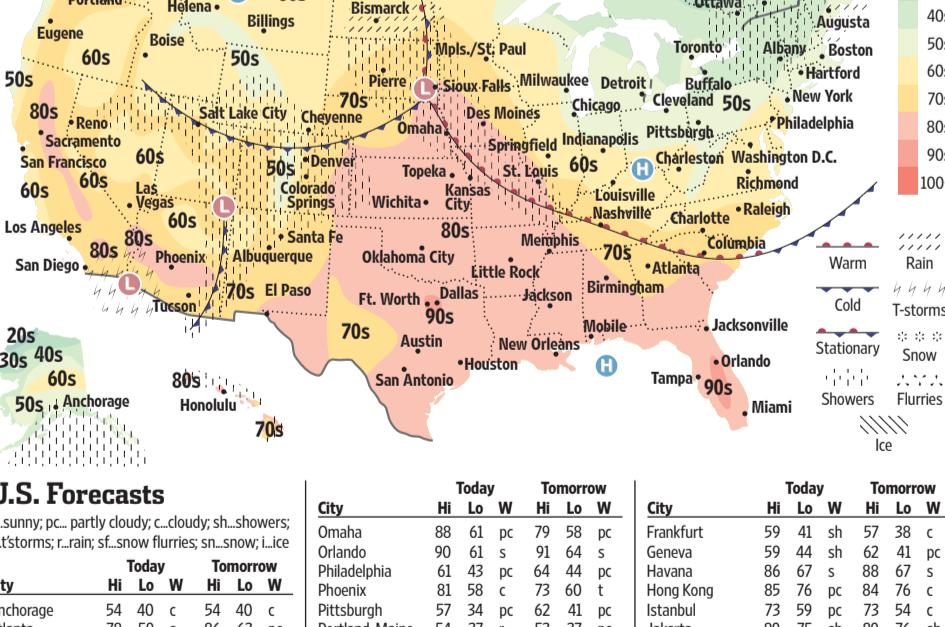
privately, that Dad has turned them off from his son. As for the apparel companies, it's unusual for rookies to get big shoe contracts these days, and it's hard to believe that if Lonzo matures into a star, they won't come running back.

Also: allow me a moment to roll my eyes at the suggestion of the sneaker companies seizing the moral high ground here. While LaVar's approach sounds absurd, is it really a sin to want to hard-line or disrupt Nike or Adidas? As the former NBA player turned Chinese star and apparel maker Stephon Marbury told the Undefeated, creating his own brand equity is exactly what Ball *should* be doing. Let's not ignore that apparel companies are attention-seeking disrupters themselves, whether it's seeding amateur leagues with sponsorships, or dressing college teams like Marvel characters. Didn't Nike just spend the other night trying to shatter the 2-hour barrier in marathon running with a brand-tastic spectacle featuring an automobile test track, pace rabbits, and, of course, new show tech, a stunt that shook up the distance running establishment—and turned out to be brilliantly riveting? There's no need to be holy about an industry that itself is relentless about flouting convention.

With the Balls, the only thing that should matter here is what Lonzo wants—he's the one who will be playing in the NBA. His father may be over-the-top, but he's far from the first tough negotiator for his athlete son; have we all forgotten how Archie Manning maneuvered Eli Manning out of San Diego, or Jack Elway kept John out of Baltimore? It is indeed possible there will come a time when Lonzo will ask LaVar to step aside—perhaps, within a season or two, Big Baller will be mothballed and Lonzo will be in the comfortable fold of a legacy brand, selling basketball sneakers reasonably priced at...\$175. Until then, Lonzo seems content to stick with family.

As for the rest of us, there's a simple option: stop paying attention. Yes, I realize that's a rich thing to say in a newspaper column. But one thing that LaVar Ball—the 21st Century Sports Parent we deserve—knows is that outrageousness is today's strongest currency. His ascension is simply the latest reminder that the modern media culture — no matter how much it claims to dislike it—will happily give a platform and power to a mouth that says ridiculous, indefensible things. That's not a Dad problem. That's ours.

Weather



U.S. Forecasts

S=sunny; pc=partly cloudy; c=cloudy; sh=showers; t=tstorms; r=rain; sf=snow flurries; sn=snow; l=ice

Today Hi Lo W Tomorrow Hi Lo W

City	Today	Hi	Lo	W	Tomorrow	Hi	Lo	W
Anchorage	54	40	c	54	40	c		
Atlanta	78	59	s	86	63	pc		
Austin	85	66	pc	84	68	t		
Baltimore	61	40	pc	65	43	c		
Boise	69	46	pc	74	48	s		
Boston	54	41	c	52	41	pc		
Burlington	47	36	sh	52	37	r		
Charlotte	73	53	s	79	58	pc		
Chicago	57	40	s	57	42	sh		
Cleveland	53	39	s	58	41	pc		
Dallas	90	66	s	84	67	pc		
Denver	74	48	t	65	45	t		
Detroit	57	35	s	60	41	pc		
Honolulu	84	72	sh	85	73	pc		
Houston	83	67	pc	83	68	pc		
Indianapolis	61	47	s	60	50	t		
Kansas City	84	63	s	84	63	s		
Las Vegas	78	61	pc	75	58	t		
Little Rock	84	59	s	84	61	s		
Los Angeles	72	56	pc	69	60	pc		
Miami	87	70	s	87	71	s		
Milwaukee	52	39	s	57	43	pc		
Minneapolis	70	52	pc	68	51	c		
Nashville	77	60	pc	86	63	s		
New Orleans	82	62	s	81	62	s		
New York City	59	46	pc	61	46	pc		
Oklahoma City	87	60	s	82	64	pc		

International

Today Hi Lo W Tomorrow Hi Lo W

City	Today	Hi	Lo	W	Tomorrow	Hi	Lo	W
Amsterdam	58	40	pc	54	40	c		
Athens	80	61	s	79	62	pc		
Baghdad	98	67	s	101	72	s		
Bangkok	93	80	t	93	80	t		
Beijing	89	55	c	88	57	c		
Berlin	51	31	sh	48	39	c		
Brussels	54	37	pc	56	37	c		
Buenos Aires	70	49	r	67	46	pc		
Dubai	103	86	pc	101	84	pc		
Dublin	53	42	s	54	37	pc		
Edinburgh	54	38	s	60	41	pc		

The WSJ Daily Crossword | Edited by Mike Shenk



HMMS... | By Kevin Christian & Andrea Carla Michaels

Across		
1 Insurance company employee	29 Easter event	51 Big Bend National Park setting
9 Desert of southern California	31 Boxing's "Greatest"	52 California's Santa ___ winds
15 Spot for sandcastle builders	32 Beer ingredient	53 Place to wipe your feet
16 Old kingdom of Spain	33 Like some vaccines	54 Flying start?
17 Clobbered	36 Hamlet's "To be or not to be" addressee	55 Conundrum
18 College-area local	38 Won, for one	58 Choir member's need
19 Three on a sundial	40 Bombard	63 Funny Wright
20 "How stupid of me!"	42 Indian attire	64 Get used to gradually
21 Tree with toothed leaves	43 Sgt. for example	65 Real-life model for Citizen Kane
22 Played pitifully	44 Remote power, often	66 Ivy anchors Down
23 "The Sun Also Rises" writer	48 Figurative dish for the shamed	1 Fire remnant
26	50	2 Justice Dept. agency
		3 Tight spot

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

4 Money-making org.	37 Paving chunk
5 Arab chieftain	38 Robustly healthy
6 Spelling of "Beverly Hills, 90210"	39 Hosp. areas
7 Before, to a poet	40 Honorees of a day in May
8 Most embarrassed, perhaps	42 Wriggle like a rattle
9 "Chances Are" crooner Johnny	45 Concrete component
10 Gold, in Granada	46 Org. involved with massive cleanups
11 Teeth holder	47 Burrowing rodent
12 Vice president before Ford	48 Unpleasant to the ear
13 Unveiling exclamation	49 Bring together
14 Foe	50 Title character of Tyler Perry films
21 "Kill Bill" star	51 Fundamental principle
23 Former Iranian ruler	54 "I ___ Proud" ("The Mikado" song)
24 Bell-shaped flower	56 Device used to zap commercials
25 Japanese cartoon genre	57 CBS exec Moonves
26 Partner's share, at times	59 Eight-time NBA All-Star Ming
27 Model Campbell	60 Factor of every prime
28 Greek street food	61 Mel who played for the Giants for over 20 years
30 "2001" computer	62 Bout enders, briefly
32 Titanium or tungsten	
34 Building wing	
35 Activewear fabric	

Previous Puzzle's Solution

CUPS ARASHI MOPS
ORAL LORNA ANAT
MARYWILSON NAPA
INA IKEA GUISES
NIBBLES ERASES
GULL PARASITE
SMEAR ORLON SEN
BETWEENUS
IRAGEESE SUMOS
RESCINDS VANE
ASTONE CRESTED
QUASAR GAOL TBA
WRIT ILLBUYTHAT
AGRA FAULT EASE
REEL EPEES DUES

The contest answer is PRIVATE. The central answer BETWEEN US is a clue to look for letters appearing between U and S in the grid, either Across or Down. The seven such letters in top-to-bottom order spell the contest answer.

OPINION

How Deadheads Sped Ahead

By Andy Kessler

Forty years ago Monday the Grateful Dead played in upstate New York at Cornell University's Barton Hall. Memorialized as "5-8-77" on a million cassette tapes, it is considered their best, a legendary show, the band's Holy Grail. A good friend ran the concert commission and assigned me, a lowly freshman, to turn on the house lights when the show ended. Things have changed over the past 40 years, but it took time to make out what was illuminated that night.

The Grateful Dead began playing in 1965 as the Warlocks, right before the flower-power era they ushered in. Their opening gig was a Wednesday night at a pizza joint named Magoo's in downtown Menlo Park, Calif. I'd be surprised if more than 20 people showed up, but they still planted seeds of what you'll recognize as modern innovation in the heart of what is now Silicon Valley.

Eventually a vast army of fans known as Deadheads arose. Though not me, as I didn't look good in tie-dye. Deadheads were nonconformists but amazing trendsetters. As they trucked into the show, I noticed many clumsily hobbling on crutches. It wasn't until the concert started that the audience turned these

crutches into makeshift microphone stands, rising high above the crowd to tape the performance. Most of the band's more than 2,000 shows were pirated. From this emerged a peer-to-peer network: bootleg cassettes passed between fans, an early sharing economy.

Networks were a powerful thing, but the recording technology was rudimentary. When a cassette was duplicated, the sound of the tape

Forty years later, be grateful to the band, which helped pioneer the sharing economy.

moving over the playback head would end up on the recorded copy as an annoying hiss. The further from the original, the worse the hiss. I used to walk into friends' rooms and snark, "Is this Cow Palace '74? Man, the hiss player was really on that night." I haven't changed much since then.

The Grateful Dead could have put a stop to it all, frisking concertgoers as they entered, but the band accepted piracy. A viral marketing campaign started. Free music lured new fans, who practically toured with the band and bought tickets,

shirts and posters. They then made more cassettes, enchanting even more fans. This is the power of free that Facebook and Google have since perfected. Also, I'm pretty sure the band's fans invented virtual reality. I heard many at shows say they could see things that weren't really there.

Deadheads taught the world to embrace the weird and eccentric. Just ask basketball legend Bill Walton, who claims to have seen more than 850 shows. There's even a fake news story that 5-8-77 never happened and is simply a CIA mind-control experiment.

In 1977, no one knew where the world was heading. Gas shortages and crushing inflation were around the corner. I was in my room building a "home-brew computer" (definitely not a way to get dates). I carefully soldered a board with 64 slots for 1-kilobit memory chips, a whopping 8 kilobytes—barely enough for a half a second of audio recording, if MP3 had existed at the time. The trick then, as now, was to look into the future and see things that don't yet exist. We're grateful cassette tapes are dead.

Another important lesson is that things peak. Cornell was the Dead's greatest show but that also means they were never that good again. Mr. Kessler writes on technology and markets for the Journal.

They didn't disappear, but time went on. You can't avoid it. Eras, trends, companies, people—they all peak. But memories should not fade away.

The real surprise on 5-8-77 came after I turned on the house lights—and got booted. Revelers streamed outside to see a fresh blanket of snow covering the campus. In May! You can imagine the reaction from those practicing better living through chemicals. Things change slowly, a long strange trip, until they change quickly, and when you least expect it.

Deadheads never did live in communes and practice free love, except maybe on weekends. They changed. In fact, they went on to build the world we live in today: Steve Jobs, Larry Page, Bill Clinton, Tony Blair and—wait for it—Steve Bannon. It happened quickly. It was only in 1984 that the ex-Eagle Don Henley "saw a Deadhead sticker on a Cadillac."

These days it's hard to tell who the nonconformists are. Everyone seems to be. There's a finer and finer line between eccentric and establishment. Who will see and create the next future? And turn smartphones into the cassettes of yesteryear?

BOOKSHELF | By Robert W. Merry

History's Portrait Gallery

The American Spirit

By David McCullough

(Simon & Schuster, 176 pages, \$25)

Delivering a speech in 2005 at Michigan's Hillsdale College, David McCullough waxed eloquent on one of his favorite topics: the significance of the past and the imperative for any society to understand its own historical legacy as a means of understanding its soul. There's no great secret to teaching history or making it interesting, Mr. McCullough said, noting that fellow historian Barbara Tuchman once explained it in two words: "Tell stories."

It is fitting that Mr. McCullough should summon this Tuchman quote, since he is one of the great historical

storytellers of his generation. His many books have enlightened masses of readers since the first one, on the 1889 Johnstown Flood, appeared in 1968. Hardly does he deliver a speech without extolling the mystical magic of America's story and the compelling men and women who created it. At Hillsdale he also quoted his late friend Daniel Boorstin, the longtime Librarian of Congress, who once said that trying to plan for the future without a sense of the past was "like trying to plant cut flowers." Added

Mr. McCullough: "We're raising a lot of cut flowers and trying to plant them."

This digression can be found in "The American Spirit," a collection of 15 speeches given around the country between 1989 and 2016. With no overarching theme, the book amounts to a pleasing melange of observations, admonitions, homilies, and celebrations of events and figures from the American past.

And, yes, stories. Mr. McCullough makes his points largely through profiles of consequential people. There are his favorites among the luminaries—the Adams family, Harry Truman, Sen. Charles Sumner, Theodore Roosevelt. Typical of his cold-eyed assessment is his characterization of Truman as "neither brilliant nor eloquent" but, more significantly, "courageous and principled." The "invisible something he brought to the office," Mr. McCullough explains, "was character."

But he also summons less well-known figures: Simon Willard, the clockmaker who painstakingly constructed the elaborate timepiece standing over the Capitol Building's Statuary Hall, where the House met when Willard's handiwork was placed there around 1837; Benjamin Rush, the brilliant physician, professor, delegate to the Continental Congress and, notes Mr. McCullough, "vociferous champion of abstinence from hard or spirituous liquors—but then no one's perfect"; and Manasseh Cutler, a minister and physician at the dawn of the republic who was also a leading visionary of America's westward expansion.

Chester Arthur was well-meaning, well-tailored and ineffective. Truman was neither brilliant nor eloquent but courageous and principled.

What stands out in these portraits is how utterly devoid they are of the cynicism that infuses so much of contemporary culture. Mr. McCullough certainly turns no blind eye to the vicissitudes of human nature. While extolling the "brave and eloquent words" uttered in the halls of Congress, he acknowledges that "some of the worst of human motivations have been plainly on display" there, as well as "no shortage of self-serving blather."

But fundamentally Mr. McCullough loves the American story and its most illustrious characters. He feels no need for raised eyebrows, for example, in profiling the crusty House speaker "Uncle Joe" Cannon of Danville, Ill., who stood athwart all calls for reform early in the 20th century. "Everything is all right out west and around Danville," declared Cannon. "The country don't need any legislation." Mr. McCullough even finds positive things to say about Chester Arthur, who reached the White House in 1881 at the death of James Garfield and left hardly a mark upon the nation—"not one of our best-known presidents," says Mr. McCullough, but "unquestionably one of the tallest and best-tailored, a solid, well-meaning chief executive all-in-all, and the first ever to walk over the Brooklyn Bridge."

A recurrent theme in "The American Spirit" is the folly of judging the figures of history by latter-day standards. As Mr. McCullough admonished students of Dickinson College in 1998, "let us not look down on anyone from the past for not having the benefit of what we know." Indeed, the more he has learned of America's founding generation, he says, "the larger [those figures] become, the more one wonders what we've lost, or are in grave danger of losing."

Though not a social critic by temperament or vocation, Mr. McCullough reveals in his more recent speeches that he is not entirely enamored of some of the country's political and cultural trends. He decries the spectacle of historical ignorance among the young. "Innumerable studies have been made and there's no denying it," he writes, recounting a conversation with a young woman who was astonished to learn that all the original 13 colonies were on the East Coast. He once taught class at an Ivy League university in which no one could identify George Marshall. One precocious student wondered if perhaps he had something to do with the Marshall Plan.

Mr. McCullough seems no less pessimistic about the state of American textbooks—"dreary, done by committee, often hilariously politically correct." And he can't help comparing a stirring John Adams pronouncement with more recent attitudes. "We can't guarantee success [in the American Revolution]," Adams wrote to his wife, Abigail, "but we can do something better. We can deserve it." Observes Mr. McCullough: "Think how different that is from the attitude today when all that matters for far too many is success. . . . However you betray or claw or cheat is immaterial."

But generally Mr. McCullough's speeches are exultations of America and its resilience. Speaking near Schenectady, N.Y., in 1994, as America struggled to define itself in the post-Cold War world, he described the country as "oddly at sea. . . . The old certainties don't serve any longer." But take heart, he said: "I think we will find our course." Valuable encouragement then, even more needed today.

Mr. Merry is editor of the *American Conservative*. His latest book, "President McKinley: Architect of the American Century," will appear in September from Simon & Schuster.



AMERICAS
By Mary Anastasia O'Grady

part of a 2016 "peace" deal crafted in Havana, he promised that it meant an end to the group's terrorism and criminality.

It's not turning out that way. Instead the Santos-FARC agreement appears to have legalized the group's thuggery. Among the more alarming aspects of the so-called peace process is the failure of the drug-trafficking rebels to turn in their arms. Neither the United Nations, which is charged with independent verification of the weapons surrender, nor the Santos government seems concerned about the FARC's noncompliance.

Colombia's democracy is being stolen right out from under the nation's nose thanks to an agreement that is as silly and naive as the one Barack Obama made with Iran. Donald Trump may not be able to stop this crime. But he doesn't have to underwrite it. Last week the undemocratic Mr. Santos tweeted that the new U.S. budget includes \$450 million to support his FARC deal. This despite the free rein it gives the country's

largest drug cartel. Colombians turned down the FARC agreement in a national plebiscite in October. They did so because they reject key elements of the deal including amnesty for war criminals and drug traffickers, the legalization of FARC leaders as politicians, the designation of unelected seats in Congress for FARC representatives, and putting the Colombian army on the same judicial plane as terrorists.

Mr. Santos refused to accept his defeat. Rather than withdraw the agreement as he had promised to do if he lost, he made cosmetic changes to it. Then he used his majority in Congress to declare it law and to enshrine it above the constitution.

We may never know if Mr. Santos actually believed that the guerrillas were ready to abandon their barbarism and learn to eat with knives and forks. It may be that his personal ambition for international recognition as the progenitor of a FARC deal clouded his judgment. In either case he has unleashed a monster that now threatens to devour the democracy.

The latest proof that Mr. Santos was snookered by FARC is the discovery last week of another cache of FARC arms that were supposed to be handed in. Hidden weapons are like cockroaches. If you discover one, you can be sure there are many others unseen.

On Wednesday the Colom-

bian army found 16 FARC rifles and 39 grenades near the border of the departments of Meta and Guaviare. The army said that the weapons had been used for extortion and to attack government teams eradicating coca. Last month another find in the same area included one M16, six magazines and 1,300 rounds of ammunition.

The group promised to disarm, but it keeps getting caught with hidden weapons.

On April 20 the minister of defense announced the discovery of a FARC weapons cache in Putumayo. It included 54 rifles, six machine guns, three grenade launchers, 100 kilos of explosives, 200 land mines and 3,600 detonators. Two weeks earlier, the minister said, authorities had found 600 mortar grenades in Tumaco, in the department of Nariño.

As if to show who's in charge, FARC leader Iván Márquez took to Twitter to characterize the discovery of the FARC weapons in Putumayo as an "assault," complaining that it violated the agreement. In fact, according to the deal the FARC was supposed to provide the government with the coordinates of all its stored weapons by Dec. 11, 2016. By Feb. 1, all explo-

sive-material caches were to be destroyed. Now that it has been caught lying, FARC says it needs more time to abide by the agreement.

Hidden FARC weapons in Colombia are not likely to be the only problem. Writing in Colombia's Semana magazine on April 22, former Colombian vice minister of justice Miguel Ceballos Arévalo noted that the governor of the Venezuelan state of Amazonas claims that there are 4,000 FARC rebels in his territory. Mr. Ceballos Arévalo observed: "If there are 4,000 FARC in Venezuela, there are also 4,000 arms," since presumably every guerrilla has a weapon.

The deal also calls for the FARC to return thousands of child soldiers, whose average recruitment age has been estimated at less than 13. Yet this has not happened and no FARC leader is held accountable, though enlisting underage boys and girls is an international crime against humanity. As if to further prove its unrepentant attitude, the FARC kidnapped a United Nations worker in the department of Guaviare last week.

If this is how the FARC behaves during its reconciliation honeymoon with the Colombian people, it's not hard to imagine what the country will look like after a few years of a well-armed, well-funded, drug-trafficking FARC in politics.

Write to O'Grady@wsj.com.

By Jim Sollisch

Five years ago, I gave my friend Joanne the gift of my left kidney. There are consequences to giving away an organ at 53. One is that I now have a better jump shot.

For many years I took ibuprofen by the handful—four at a time, often three times a day. I play basketball and tennis, and in the years before I gave away my kidney, I was constantly sore and stiff. The ibuprofen kept me playing. But ibuprofen is processed by the kidneys, and overuse can damage kidney function.

When you offer to donate a kidney, you get a physical as comprehensive as an astronaut's. They make you wear a blood-pressure monitor for 24 hours. They send contrast dye into your kidneys. They take 11 vials of blood. They measure your glomerular filtration rate, or GFR, which is your kidney's blood-cleansing capacity. They take images of your other organs. You get a psych evaluation. But before all those tests, they interview you about your medical history.

Any diabetes in your family? No. Cancer of the kidneys or liver? No. What prescription drugs do you take? None. How about over-the-counter drugs? Some ibuprofen. How often? Most days. How much? Ten or 12.

The nephrology resident doing the interview put down his glasses and said, "That's a boatload of ibuprofen. Your kidneys may be compromised."

Before, I didn't know my body and masked pain with ibuprofen.

He was wrong. My GFR turned out to be 93%. (Normal is 90% or above.)

After I was approved, the head of the transplant unit at the Cleveland Clinic said to me, "If you do not promise to stop taking ibuprofen, I will cancel this thing. You're going to have one kidney—and taking ibuprofen with one kidney is dangerous."

Funny, I didn't have to give up alcohol (processed by the

liver) or other drugs I might need in the future (also processed by the liver). I just had to give up ibuprofen. I didn't have to think long. "Of course," I said.

Six weeks after surgery, I returned to basketball and tennis. I didn't miss my kidney, but I sure missed my ibuprofen. I was sore as hell every time I played. After a year or so, I went to see an orthopedist. Turns out my hip was shot. Bone on bone. He said it had probably been bad for years. Hidden by massive doses of ibuprofen. So I traded a kidney for a new hip.

The new hip required rehab. The first thing the physical therapist said to me was, "You have the hamstring flexibility of a 92-year-old"—and he meant my good leg. Over the next year, I got to know my hip flexors and my core. I learned to really stretch. Soon I was doing weight training while balancing on a half ball.

I started waking up pain-free the mornings after I played basketball. That hadn't happened in 25 years. I marveled at how my body worked.

Here at the upper edge of middle age, after years of taking my body for granted, I was in awe of how it could still renew itself.

My kidney grew in strength and did the work of two. My hamstrings became pliant again. And my jump shot got better. I was more aware of my body than I had been since adolescence. I lost 20 pounds. I began to celebrate every minute on the basketball court. At times I am overcome with a sense of gratitude so profound, I stop at midcourt and take an extra breath.

I have learned that there is a spirituality in the physical, that God can reveal himself between the lines of a court, and that when the systems in your body pump and work, they do so in harmony with nature.

People say if you love something, you should set it free. When I set a part of me free, I learned to love what was left behind.

Mr. Sollisch is a partner at Marcus Thomas, a Cleveland advertising agency.

Giving a Kidney Fixed My Jump Shot

By Jim Sollisch

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OPINION

REVIEW & OUTLOOK

Europe's French Reprieve

French voters chose a centrist reformer over the nationalist right on Sunday by electing Emmanuel Macron as their next President. The question now is whether Mr. Macron can deliver on his promise to reform France's sclerotic economy and diminish the Islamist terror threat.

Mr. Macron's decisive victory is as much a rejection of the far-right National Front as an endorsement of his platform. Despite Marine Le Pen's yearslong effort to whitewash her party's reputation for anti-Semitism and Vichy nostalgia, the keys to the Élysée Palace proved as elusive to her as they did to her father, Jean-Marie, in 2002's presidential runoff against Jacques Chirac.

Mr. Macron deserves credit for his initiative. The 39-year-old former investment banker quit the incumbent Socialists to launch his independent centrist movement, En Marche! His outsider status and optimistic vision proved attractive to voters fed up with traditional political parties. He offered a clear if modest reform alternative, with proposals to shrink the bureaucracy, cut corporate taxes and modify the job-killing 35-hour workweek.

He was also lucky. The center-right Republican nominee François Fillon, a self-proclaimed Thatcherite, was felled by allegations of nepotism. Independent, hard-left firebrand Jean-Luc Mélenchon divided the socialist vote. In the runoff Mr. Macron was the default choice of voters who wanted to block the National Front.

This means President Macron will have a fragile mandate and a narrow window to press his agenda. France needs radical reform of a government that in 2015 took 57% of national GDP and an economy with a jobless rate that is still 10% eight years after the financial crisis.

Yet political failure is the recent French norm. Successive Presidents have failed to undo the 1999 35-hour-workweek law amid militant union protests. Mr. Mélenchon and his "Unbowed France" movement are promising chaos if Mr. Macron dares to advance what the socialist calls "neoliberalism." Mr. Macron's best bet is to go big and abolish the 35-hour workweek as Mr. Fillon promised, rather than seek marginal fixes and pay the political price anyway. The same goes for cutting the corporate tax rate to 25% from 33.3%, especially as

the U.S. heads toward a 20% rate.

Mr. Macron's ability to push reform will depend on the strength of the parliamentary coalition he can assemble. If En Marche! fails to win a majority in June's parliamentary vote, he should hope the Republicans do. One way to set the tone for the June vote would be to invite Republican

heavyweights to join the Macron cabinet.

The new President will also need help on national security, which was his weakest pitch to voters. While he committed to increasing capacity at the security agencies, Ms. Le Pen's vows to fight radical Islam and toughen border controls appealed to voters who witnessed massacres across the country.

The toughest challenge is the self-isolation of too many of France's six million Muslim citizens. French voters understood that Ms. Le Pen's immigration crackdowns would do little to stop self-radicalization among native French Muslims. But Mr. Macron can help by speaking frankly about the threat and encouraging Muslims to see integration as a two-way street.

* * *

Mr. Macron is a French sort of Atlanticist, which means he's wary of looking too pro-American. He accused the West of "constantly" escalating the Ukraine conflict, described Moscow as a "partner" and warned that the U.S. shouldn't "dictate" French foreign policy, as if the latter ever happens. But perhaps the weekend dump of documents from his campaign, which bore the hallmarks of a Russian cyber operation, will open his eyes to the Kremlin threat.

As for European Union elites, the temptation will be to view the Macron triumph as vindication of the status quo, given Ms. Le Pen's vow to leave the EU and ditch the euro. It is at most a reprieve. Ms. Le Pen improved on her father's performance 15 years ago, she and Mr. Mélenchon drew broad support among the young, and France's mainstream parties were repudiated. The EU project is far from secure unless it can provide more economic opportunity and better security, and show more respect for voters who resent dictates from Brussels.

The French center held, barely. If Mr. Macron fails to deliver faster growth, France may not be so lucky the next time.

Your Friends in Public School

A California appellate court has unanimously rejected an attempt by the Anaheim Elementary School District to throw out a petition by parents to convert a failing school into a charter using the state's parent trigger law. The district wasted two years and hundreds of thousands of dollars fighting parents. Can the parents sue for damages?

California's 2010 parent trigger law allows a majority of parents whose kids attend a failing school to catalyze reforms. In January 2015, Palm Lane Elementary School parents with the help of the law's author Gloria Romero and education activist Alfonso Flores filed a petition with the school district. The teachers' union abetted by district officials then used dirty tricks to thwart parents, including accusations of bribery. When intimidation failed, district officials tried to reject the petition on technical points, every one of which was dismissed by the appellate court.

The district claimed Palm Lane didn't qualify as failing because California had obtained a waiver from the U.S. Department of Educa-

tion that exempted schools from Adequate Yearly Progress benchmarks for the 2013-2014 school year. Yet Palm Lane had failed to meet those benchmarks for nine of the prior 10 years.

The appellate court affirmed the findings of Orange County Superior Court judge Andrew Banks who in July 2015 ruled in favor of the

parents on all counts and blasted the district for being "unreasonable, arbitrary, capricious and unfair." The school district appealed.

Maybe district officials were hoping that parents, who were represented pro bono by Kirkland & Ellis, would drop the case once their kids moved to middle school. But in the two years that the case has sat on appeal, the district and parents have racked up more legal expenses. And students have continued to be deprived of a quality education.

The appellate court ordered the district to cover the parents' legal fees, but that won't make up for the lost education. The district will merely pass on the costs to state and local taxpayers including Palm Lane parents who own homes in the district. The outrage is that this disgrace generates no outrage.

Tax Rates and Professional Losers

The New York Islanders recently rebuffed Connecticut Governor Dannel Malloy, who tried to convince the NHL team to move to Hartford in exchange for a fancy arena and other enticements. Maybe he should try something novel like a big tax cut, because a new study shows how teams in tax havens have a competitive advantage in attracting players.

Erik Hembre, an economist at the University of Illinois-Chicago, looked at the question: Do tax rates affect a team's performance? He analyzed data in professional football, basketball, baseball and hockey between 1977 and 2014. Since the mid-1990s, he writes, "a ten percentage point increase in income tax rates is associated with between a 1.9-3.0 percentage point decrease in winning percentage."

Here's why: Professional athletes are taxed at the highest marginal rate. The average NBA player earned more than \$4.8 million in 2013 and the average was \$2.3 in the NFL, so athletes who play for the Minnesota Vikings earn less after taxes than do Dallas Cowboys.

The NBA and NFL impose caps on team salaries, but teams do compete for free agents, and high tax rates make some franchises less attractive to some players. Mr. Hembre found that states with hefty taxes also tend to rely more on players who are drafted, and politicians like Mr. Malloy must envy a league's power to force people to remain in a state.

The effect appears strongest in the NBA,

A new study says high taxes could cost your team a championship.

"where moving from a high-tax state to a low-tax state has a similar effect on winning as upgrading a bench player to an All-Star." An NBA team that fled Minnesota (top rate: 9.85%) for Florida (0%) could expect to win an additional 4.5 games a season, Mr. Hembre found. The connection is smaller in baseball, as the MLB doesn't impose salary caps on

free agents (though teams pay a "competitive balance tax" to the league on salaries above a certain level). This allows, say, the Orioles to compensate players for the misfortune of paying taxes in Baltimore and Maryland.

Mr. Hembre couches his results with the usual academic modesty, and he controlled his data for a franchise's age, local populations and other factors that may influence a team's performance. He also crunched the numbers for college basketball, where players are unpaid and should not be sensitive to tax climates. He found no similar performance connection in college basketball.

Players make free-agent decisions for many reasons, and New York or Los Angeles can offer attractions and endorsement deals that offset their horrendous tax rates. But no one should be surprised that professional athletes respond to incentives like individuals in any industry. Perhaps this evidence will tempt governors and state lawmakers to cut rates now that they know that, along with a growing economy, they might end up with better sports teams and happier fans, also known as voters.

REVIEW & OUTLOOK

Europe's French Reprieve

Macron beats Le Pen, but without growth the extremes will be back.

the U.S. heads toward a 20% rate. Mr. Macron's ability to push reform will depend on the strength of the parliamentary coalition he can assemble. If En Marche! fails to win a majority in June's parliamentary vote, he should hope the Republicans do. One way to set the tone for the June vote would be to invite Republican

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LETTERS TO THE EDITOR

Trump, Monuments and the National Interest

Regarding your editorial "Trump's Monumental Task" (April 28): How is it a land grab when federal land is transferred from one status to another? Why is the Journal so enamored of extracting oil, gas, copper and vanadium? If maintained in a national monument they will be there for future potential use 50, 100 even 250 years down the road, when all the rich mineral or petroleum sites have been exploited and the cost and environmental damage from extracting low-grade sources will be so much higher.

Once these resources are extracted they are gone, often forever. Why do you assume the citizens of Utah should have more say on how national land is used than the citizens of Illinois? This is, after all, federal land, not state land, not private property. For years ranchers have overgrazed federal lands while paying minimal grazing fees on land that belongs to all of us, not just to the ranchers. When it comes to protecting ecosystems, we have learned that larger is better than small and is much more effective. Future generations 50 and 100 years from now are going to say:

"What were they thinking in 2017 when they extracted the resources, cut the forests, fished out the oceans and burned all the petroleum?" We all should be lobbying for more and larger national monuments and parks.

CURTIS KROCK

Champaign, Ill.

The Journal egregiously conflates the economic value of our public lands

with extractive resource development, as if the explosion in the recreational use of the public lands had never occurred. The U.S. Forest Service hosts around 200 million recreationists annually, generating an estimated \$100 billion every year.

Since the early 1990s, the annual timber cut on public lands has declined sharply due to the domestic timber industry's migration to more productive private tree farms in the southeastern U.S. states. Because only 3% of the U.S. annual timber harvest takes place on public lands, it is absurd to blame public land-use restrictions for the current state of the U.S. timber industry. The same is true for grazing. Meat produced from public-land forage accounts for 2% of national meat production. Granted, oil and gas revenues from public-land leases remain a major source of federal revenue, but most of these leases don't concern lands affected by the Antiquities Act.

BURKE W. GRIGGS
Topeka, Kan.

President Harry Truman warned us about unscrupulous special interests: "We have to remain constantly vigilant to prevent raids by those who would selfishly exploit our common heritage for their private gain. Such raids on our natural resources are not examples of enterprise and initiative. They are attempts to take from all the people just for the benefit of a few."

GREG LENNES
Las Cruces, N.M.

Puerto Rico Is Approaching a Steep Precipice

Regarding Mary Anastasia O'Grady's "Puerto Rico's Broken Promise" (Americas, May 1): Puerto Rico is facing a dire future. At this stage that bleak prospect isn't only a consequence of decisions made by politicians. More relevant are the actions taken by the members of the Financial Oversight and Management Board, and other people who should know better, who are letting their ideologies and prejudices dictate their behavior instead of a sober reading of the available evidence.

The government of Puerto Rico is facing a liquidity crisis, but it is not insolvent. The logical solution to lack of liquidity is a reasonable reduction in cash outflows together with the use of temporary financing. The board, however, closed the door to any form of short-term financing, requiring the government to solve the problem solely by reducing disbursements. As such, the board is forcing a liquidity crisis to become

an insolvency crisis. As part of that process, it is unnecessarily imposing significant losses on the bondholders, who remain the only potential providers of financing for temporary cash needs and for the future investments that the Island so desperately needs.

To provide those investment needs, the board is counting on several projects that it hopes can be developed as public-private partnerships. Unfortunately, most of these projects aren't feasible under that development model, so they will remain unexecuted. As a result, Puerto Rico, strapped for cash and devoid of any urgently needed investment, will see its economy plummet to levels never experienced by regions free of wars or natural disasters.

It is time for the board to reconsider its present course of action.

PROF. CARLOS A. COLÓN DE ARMAS
University of Puerto Rico
San Juan, Puerto Rico

Struggling Against Education, Responsibility

Regarding your editorial "Middlebury Struggle Session" (April 25): The solution is promoting debate through a quick kick to the hornet's nest—expel a small group of students who have clearly committed expulsion-worthy acts, wait for the predictable upwelling of righteous indignation over the suppression of the students' "free speech" (which is the phrase these kids use to describe their physical violence) and then simply return home. Job done.

The megaphone chants of "don't suppress our fundamental right to free speech for suppressing others' fundamental right to free speech" lack a certain *je ne sais quoi* persuasive coherence. PC culture come again, but administrators should earn at least a semester off while they work their way out of that paper bag.

ROBERT F. MACINNIS, PH.D.

New York

minded students have mutated the study of the humanities from free inquiry into something closer to the brainwashing sessions inflicted on American POWs during the Korean War.

EDWARD GRIMES
Springfield, Va.

I suggest that rather than imposing "disciplinary sanctions" against those who participated in the student melee opposing Charles Murray's invitation to speak on campus, and thereby effectively being rendered "voiceless," Middlebury College should instead proudly include that "symbolic speech action" (sic) in the students' official college record and diploma honors, either as an elective-subject achievement or as display of outstanding extracurricular activity. Let those students add that honor to their curriculum vitae as a demonstration of the kind of leadership skills and management abilities that can both win luster for the institution and enable its graduates to get a job and earn a living after graduation.

As the chief executive of a Boston-based labor analytics firm put it: "Go study feminist anthropology but make sure you're picking up some skills on the periphery so that you can get a job when you graduate."

HERB CAPLAN
Chicago

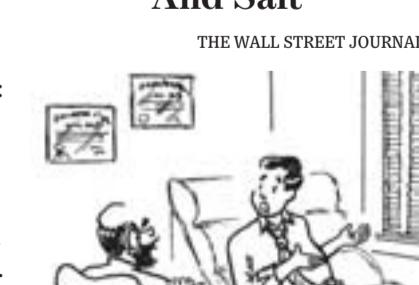
Symbolic Arrest, Real Cost

Regarding the April 28 "Notable & Quotable: Protests" from the Berkeley, Calif., Police Department website: What does a "symbolic arrest" entail for the parties involved? Symbolic DAs, judges, court records and other public expenses? Not to mention the valuable time of the arresting officer. You'd think that the highly taxed citizens of California would like to know.

JIM LANGE

Roanoke, Texas

Letters intended for publication should be addressed to: The Editor, 1211 Avenue of the Americas, New York, NY 10036, or emailed to wsj.ltrs@wsj.com. Please include your city and state. All letters are subject to editing, and unpublished letters can be neither acknowledged nor returned.



"In a world of 'froms' and 'tos', I always seem to be a 'cc'."

OPINION

Trump's Tax Plan Would Spur Growth

By Edward P. Lazear

President Trump's tax plan leaves many details undefined, but there is plenty to evaluate. The administration claims its proposed changes would encourage growth and make the tax system more efficient. History suggests they will.

Less certain is the claim that the tax cuts will pay for themselves. Although budget concerns should always be paramount when cutting taxes, revenue neutrality does little to guarantee that this—or any—administration will exercise fiscal responsibility.

By moving toward a consumption levy, it could generate a GDP gain of between 2.5% and 4.5%.

Most economists favor moving away from taxing capital and toward taxing consumption through value-added or sales taxes. Taxing capital squelches growth because capital is mobile and can cross borders in search of the highest risk-adjusted, after-tax return. Economists in both parties have scored the effects of eliminating capital taxation in favor of a pure consumption tax. Estimates range from a 5% to 9% total increase in gross domestic product.

There are a number of ways to move toward a consumption tax and reduce taxes on capital without instituting a national sales tax or VAT.

One is to lower tax rates on corporate profits and "pass-through" income, as the president proposes. Another is to permit full expensing—to let companies deduct the entire cost of investments immediately.

Expensing creates a positive incentive for corporations because they receive the tax benefit only when they invest in themselves. A Treasury Department analysis done while I was chairman of the Council of Economic Advisers showed that a given dollar of tax cuts through expensing is more powerful than rate cuts in the short run by about a factor of four.

Rate cuts, on the other hand, benefit new and old capital alike and confer tax benefits on companies that have invested in the past. This saves companies money, but provides no direct incentive for new investment. In the long run, the distinction between expensing and rate cutting disappears because all capital is new capital and so is taxed at the lower rate.

Tax-rate cuts on pass-through income will have additional growth effects, but the administration hasn't released enough details to score them. Separating capital income from wage income may add some complexity, but that's not a new problem. Defining income and profit is not straightforward. Tax accountants already struggle to determine true costs, including business owners' implicit wages.

State and local taxes would no longer be deductible under Mr. Trump's plan. Much has been said about the cross-subsidization of high-tax states such as New York and California by



ASSOCIATED PRESS

Economic adviser Gary Cohn and Treasury Secretary Steven Mnuchin introduce the Trump tax plan, April 26.

low-tax states such as Florida and Texas. Removing this deduction would mean that overall federal personal income-tax rates can be lower and generate the same revenue. Beyond that, there is a subtle and positive growth effect of eliminating state tax deductions.

The deductibility of state taxes provides incentives to raise overall taxes at the state level. Californians and New Yorkers bear only part of the cost of their tax increases; the rest is passed on to other states' taxpayers through the deduction. This leads state governments to overtax their citizens, resulting in economic distortions and reduced overall growth.

Tax cuts enacted through the Senate's budget-reconciliation process

must sunset after 10 years, although this may not be the roadblock to lasting reform that it seems. Recall that the Bush tax cuts of 2001 had the same sunset provisions, but most are still in effect. Congress renewed them in 2010 and again—apart from those on the highest earners' rates—in 2012.

The Trump administration's plan may get the economy about halfway to a pure consumption tax. That could generate a GDP gain of between 2.5% and 4.5%. In 2016, the Congressional Budget Office estimated that corporate income-tax payments were \$415 billion, or about 12% of federal tax receipts. Rate cuts that spurred 4% growth would generate total tax revenues of about \$120 billion—assuming no other tax reductions—which is not quite enough to offset

the loss of income to the government. Cutting individual income taxes makes the revenue-neutrality task more difficult because personal tax-rate cuts do not generate the same growth effect as rate cuts on capital.

The net effect of the proposed corporate tax cuts would be to increase the deficit by about 0.5% of GDP. This is significant, but revenue neutrality should not be the standard by which a tax plan is judged. Even revenue-neutral tax changes do not solve our budgetary problems. The CBO projects growing deficits, exceeding 7% of GDP annually, in two decades. Unless we are willing to accept major tax increases in the future—most likely through the introduction of a VAT—we will need to reduce government spending significantly to narrow the gap. This means re-examining entitlements, particularly Medicare, Medicaid and other health programs. Even a revenue-neutral tax reform plan would not come close to achieving fiscal responsibility.

The strongest argument in favor of the Trump administration's plan is that it moves in the right direction on capital taxation and will achieve growth. Because there is a direct connection among GDP growth, productivity growth and wage growth, the Trump proposals will help raise incomes and thereby benefit Americans overall.

Mr. Lazear, who was chairman of the President's Council of Economic Advisers from 2006-09, is a professor at Stanford University's Graduate School of Business and a Hoover Institution fellow.

Remake the Paris Climate Deal to Promote U.S. Energy

By Kevin Cramer

President Trump will soon decide whether to withdraw the U.S. from the Paris Agreement on climate change. His top advisers are huddling Tuesday, likely for a final time, to consider the decision, which has been promised by the end of the month. I endorsed Mr. Trump last April because I believed in his America First agenda, and I advised him on energy policies during the campaign.

I was wary of Paris and used to favor pulling out, but I've changed my mind for two reasons. First, in future climate talks the U.S. will benefit from having Mr. Trump, an experienced negotiator, at the table. Second, the Trump administration can legally scrap President Obama's emission-reduction pledge without leaving the Paris agreement.

It is abundantly clear that the agreement, which is and will remain legally nonbinding, does not prohibit lowering the American pledge. In a May 1 memo, Sierra Club lawyer Steve Herz wrote that "it would be

extremely difficult to prevail" in any lawsuit arguing that the U.S. was bound by its pledge, or by the agreement itself.

Thus any renegotiation would be the easiest deal Mr. Trump has ever made: He would simply submit a new pledge. Then if somehow the U.S. was blocked from changing its commitment, Washington could simply leave the Paris agreement that same day.

Regardless, EPA Administrator Scott Pruitt would be able to rescind the woefully constructed Clean Power Plan and other harmful Obama-era regulations, since they all preceded the climate deal reached in Paris in December 2015. Those regulations and the Paris agreement are legally unrelated.

There has been spirited debate among House Republicans on the best move to make. Several of my colleagues on the House Energy and Commerce Committee—including conservatives from energy-rich states such as Oklahoma, Missouri and Pennsylvania—agree that the smart strategy is to try to work out a more beneficial deal for the U.S. under the Paris agreement rather

than walk away and let China and others take over the discussions. Eight of my fellow Republicans joined me in signing a letter to President Trump laying out specific conditions that would turn Paris into a good deal:

First, revise the U.S. pledge so it doesn't harm the economy and comes to reflect America First energy policies.

A place at the table would let Trump counter Chinese predation and European unrealism.

Second, cease Washington's transfers to the Green Climate Fund, and ensure the existing money isn't spent on wasteful projects.

Third, negotiate through the Paris Agreement to defend American interests, particularly by advancing technology for clean coal and pushing for increased investment and a better regulatory environment—all

of which will create more foreign markets for American clean coal technology.

Mr. Obama's Paris pledge was a bad deal, as Mr. Trump explained forcefully during the campaign. But the situation has changed. The new White House can replace those harmful policies with an America First energy vision, and a Paris pledge and negotiations that reflect it.

What could Paris become with President Trump and his negotiators at the table? Energy Secretary Rick Perry has already aggressively touted the virtues of nuclear and clean coal at a recent Group of Seven energy meeting. That view faces stiff opposition from some of America's allies in Europe, who will work hard to promote a radical and unrealistic all-renewables vision for global energy policy. The U.S. needs to take them on in every available forum, Paris included.

Since Paris went into force, many nations in Eastern Europe and the Mediterranean have built clean coal plans into their Paris pledges. The White House can build on these pragmatic approaches, using Paris

to help the U.S. energy industry and American workers. If Washington were to up and leave, Beijing would fill the leadership vacuum. It isn't wise to cede that ground.

Neither America nor the world can afford a European energy future, with skyrocketing prices, or a Chinese energy future, with bureaucratic control and unfair dumping of state-subsidized resources.

If Mr. Trump can fix Paris, it will be an example of the emerging Trump Doctrine. He would manage to get international credit for staying in the talks and ensuring they aren't led by China, while at the same time protecting America's economy.

Voters elected Donald Trump because they trusted him to drive hard bargains and help America start winning again. I trust that President Trump can negotiate the Paris Agreement into a good deal and deliver yet another win—for North Dakotans and American workers everywhere.

Mr. Cramer, a Republican, represents North Dakota in the U.S. House.

How a Gawker-Affiliated Website Made ESPN Politically Correct

By Jason Whitlock

ESPN has recently faced public scrutiny beyond its control, an experience that has humbled the cable giant. Late last month the company cut ties with 100 employees, many of them front-facing television talent. The layoffs sparked a deluge of media coverage examining ESPN's decline and future. The consensus opinion blamed the network's woes on overly expensive live-sports contracts and subscriber losses attributed to cable "cord-cutting."

That's accurate but incomplete. What has truly impeded ESPN from overcoming its financial mistakes and inability to adapt to technological advances? The decadelong culture war ESPN lost to Deadspin, a snarky, politically progressive sports blog launched by Gawker's Nick Denton in 2005.

While the mainstream media has failed to document the extent of

Deadspin's rout of ESPN, I haven't. I worked at ESPN twice, BD and AD. Before Deadspin (2001-06) and After Deadspin (2013-15).

The Mark Shapiro era defined my initial stint at the network. Mr. Shapiro—a youthful, abrasive, risk-taking senior vice president in charge of programming and production—conceived much of the programming that defines the network to this day. He invented "Pardon the Interruption" and "Around the Horn." He also paired Stephen A. Smith and Skip Bayless, televised "Mike and Mike" and "The World Series of Poker," hired Colin Cowherd, and landed ESPN's NBA pack-

age. "Mark built a culture at ESPN," said former ESPN executive Jim Cohen in an interview. "It's always easy to do the predictable. If the predictable doesn't work, no one is going to question you, because it's what you were supposed to do. A lot of people in that newsroom laughed out loud

when we started 'PTI.' They said it had no chance at succeeding."

Mr. Cohen added that since Mr. Shapiro left the network, no one has had the guts to take similar risks. But was it a lack of guts or a lack of opportunity?

Deadspin significantly elevated the price of implementing change at ESPN. The often-caustic blog mastered search-engine optimization and Twitter's ability to gin up faux outrage. Its writers trolled ESPN talent and executives, getting plenty of attention along the way. The site particularly delighted in exposing alleged sexual malfeasance among ESPN employees.

In 2007 Deadspin editor Will Leitch posted a story suggesting popular anchor Stuart Scott attempted to arrange an assignation with a woman at a Super Bowl party. Scott, who died in 2015, was married at the time, and the story was based solely on a Deadspin correspondent looking over Scott's shoulder and seeing a text that read: "Lemme know."

In 2009 Deadspin editor A.J. Daulerio—angered that ESPN PR misled him about "Baseball Tonight" analyst Steve Phillips's dismissal over an affair with an intern—published a string of unconfirmed rumors about sexual misconduct among ESPN employees. A 2011

Deadspin post alleging lewd conduct by a top ESPN executive while seated next to sideline reporter Erin Andrews justifiably spread fear throughout the channel's leadership.

On the plus side, Deadspin's exposure helped end ESPN's sexually charged frat-house atmosphere. But it also extinguished the network's

Deadspin ended the sports network's frat-boy culture, but also infused it with a deadening ideology.

risk-taking culture and infused it with strict obedience to progressive political correctness.

During ESPN's presentation to advertisers last year, Deadspin's Kevin Draper wrote a post that all but declared the blog's victory over the media giant. In the piece, "ESPN's Vision of Its Future Is Good for Sports Fans, for Now" the writer celebrated the network's firing of Curt Schilling and the "targeting" of non-white and female viewers.

"The old-school viewers were put in a corner and not appreciated with all these other changes," veteran ESPN anchor Linda Cohn said during

an April radio interview when asked if ESPN's liberal bent hurt the network. "If anyone wants to ignore that fact, then they're blind."

Rather than sue Mr. Denton's bullying internet pirates into submission the way tech billionaire Peter Thiel did, ESPN chose to acquiesce and adopt progressive ideology and diversity as groundbreaking business innovations. ESPN is the exact network Deadspin desired. It's diverse on its surface, progressive in its point of view, and more concerned with spinning media narratives than with the quality of its product.

The channel has become too handcuffed by politics to protect its most experienced and loyal employees. It's a massive symbol of everything that fueled Donald Trump's bid for the presidency.

ESPN NFL reporter Ed Werder, one of the most prominent faces among the layoffs last month, said in a podcast that he heard quality of work would not be a consideration when employees were let go. He lamented that "it seemed to me that quality work should be the only consideration." Not in this America, the one ruled by social-media perception and dismissive of the real world.

Mr. Whitlock is a co-host of "Speak for Yourself" on Fox Sports 1.

Notable & Quotable: Bias Against Squirrels

*From the abstract of a paper published April 13 in the academic journal *Gender, Place and Culture*:*

Eastern fox squirrels (*Sciurus niger*), reddish-brown tree squirrels native to the eastern and southeastern United States, were introduced to and now thrive in suburban/urban California. . . . 'Easties,' as they are colloquially referred to in the popular press, are willing to feed on trash

and have an 'appetite for everything.' Given that the shift in tree squirrel demographics is a relatively recent phenomenon, this case presents a unique opportunity to question and re-theorize the ontological given of 'otherness' that manifests, in part, through a politics whereby animal food choices ['come] to stand in for both compliance and resistance to the dominant forces in [human] culture'. I, therefore, juxtapose

feminist posthumanist theories and feminist food studies scholarship to demonstrate how eastern fox squirrels are subjected to gendered, racialized, and speciesist thinking in the popular news media as a result of their feeding/eating practices, their unique and unfixed spatial arrangements in the greater Los Angeles region, and the western, modernist human frame through which humans interpret these actions.

Nicholas Abplanalp, Paige Adkins, Adreanna Albert, Alexandra Alexander, Chad Allen, Callie Ammons, Brandon Anders, Curtis Anderson, Aristotle-Jefferson Aquinde, Hannah Arkie, Elizabeth Arthur, Susan Bachraty, Rebecca Badger, Paul Barker, Dylan Barnes, Katelynn Beall, Richard Becerra, Brittanee Becker, Stephanie Bedortha, Stefanie Bell, Melissa Beminio, Kimberly Benson, Carolyn Beougher, Amanda Bernal, Rachael Bialcak, Sarah Bintory, Elizabeth Bohn, Elainne Bojorquez, Emily Bourne, Raymond Bowles, Andrea Braham, Ada Braswell, Naomi Brown, Carly Brunatti, Katherine Bullington, Amber Burg, Micaela Campagna, Brittany Carpenter, Jasmine Catolico, Nicholas Cirello, Chantel Clynick, Kaleen Coker, Caryssa Condon, Briana Coons, Danielle Courtney, Mark Cris Crisostomo, Amber Cruz, Markelle Cullom-Herbison, Brandon Dasher, Arin Davis, Danielle Davis, Zachary Davis, Kelli Dean, Aimee Denkers, Rebekah Dentino, Travis DeRossett, Symphany Desimone, Rebecca Devereaux, Abigail Devito, Julia Dickinson, Felice Dominguez, Christina Downard, Clara Dunseith, Sarah Ehmann, Danielle Elledge, Brittani Elliott, John Ellis, Rebecca England, Tyler Epp, Jana Erikson, Alyssa Fagan, Justin Farias, Tara Farrell, Kristen Ferrara, Brandon Fisher, Laura Fobes, Brooke Force, Amanda Foreman, Heather Frankeny, Ashley Gent, Nicholas Gomez, Alyssia Gonzalez, Amanda Gonzalez, Jessica Gray, Tania Gutierrez, Victor Gutierrez, Dallas Halsey, Devin Hammill, Michelle Haney, Sunny Harrison, Stephanie Hartman, Rodney Hartwig, Michael Healy, Leah Heinzmann, LeeAnn Hennessy, Mary Hicks, Casey Hirsch, Elisa Hoeks, Hunter Holcomb, Mary Holcomb, Charleigh Hollas, Kimberly Holliman, Courtney Holzhauer, Julianne Horning, Krystle Hushagen, Emily Huskisson, Stefanie Hutson, Bailey Ingegniero, Christina Jackson, Andrea Johnson, Caitlyn Johnson, Belmina Kec, Robert Kennedy, D'Anna Klassen, Hannah Kleiman, Stephanie Korb, Kristina Kreis, Melissa Krueger, Deanna Kuhn, Francesca Kunkel, Lauren Kuripko, Amanda Kutina, Allison Kutz, Mitchell LaCombe, Brittany Lomaide, David Langston, Christian Larin, Kelsey Laubie, Robert Lawrence, Taylor Lee, Nancy Little, Joseph Lopez, Mason Lopez, Nicole Lund, Jennifer Lundin, Heriberto Madrigal, Jessica Manca, Mikaela Mariner, Michelle Marroquin, Shannon Mason, Kathleen McCandless, Elizabeth McCarthy, Shanhan McClure, Tyler McCrea, Brandy McIntosh, Rachel McMahon, Ryan McNulty, Dannielle Megyeri, Cassandra Mendez, Kaitlin Mendez, Stephanie Mendoza, Joseph Meyers, Holly Miller, Breann Miller, Corrie Milster, Susana Mojica, Kimberly Moloney, Melissa Montgomery, Eric Morzelowsky, Christina Mooney, Jaclyn Moyer, Paulina Munoz, Ashley Murphy, Morgan Muse, Alexander Nunes, Rachel Obermiller, Timothy Odaniel, Sherise Onaka, Natalie Paape, Alexandra Papazian, Natalia Pappas, Heather Peebles, Brynn Perez, Candice Fatima Perez, Kristen Pilcher, Stephanie Polmateer, Karol Pomplin, Tre Powers, Julia Pritchard, Rebecca Puckett, Deanna Pusatier, Elizabeth Quintero, Nathan Ragusa, Keeana Reed, Donald Reid, Carly Richter, Serena Rico, Stacie Rihl, Joseph Rodriguez, Kara-Linda Roe, Samantha Rogers, Meg Ross, Geena Ruby, Victor Ruiz, Christel Salas, Danielle Samu, Rinad Sanchez, Analiese Sanchez, Amanda Sanders, China Schauer, Sam Schmidt, Emily Schorr, Rebecca Schott, Blair Schwisow, Troy Scott, Jessika Searles, Amie Shapiro, Serena Sheehan, Lisa Shell, Amber Short, Henry Siddoway, Stephanie Silva, Ryan Sipko, Jennifer Smith, Stephanie Smith, Taylor Souza, Tomi Stapleton, Alexie Stordal, Abigail Stover, Jasmine Tapales, Carmel Thomas, Felicia Thompson, Ashley Tomlinson, Brennan Townsend, Christen Tranchito, Christian Turnage, Cassidy Valencia, Tara Vallimont, Elisa Vazquez, Christine Viduya, Gabrielle Villa, Amanda Villalobos, Irma Villanueva, Anthony Viola, Catherine Voss, John Votel, Jennifer Walczak, Joanna Wang, Amanda Weilbacher, Tamara Weitzel, Rachel Werner, Christina Whitley, Kristin Whonsetler, Blake Williams, Jessica Williams, Sydney Willis, Marissa Wilson, Jawanna Wimberly, Tai Winn, Stephanie Wolsic, Casey Wombough, Allison Wood, Crystal Younger, Victoria Zemla, Krystle Ziegler

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CEO

Continued from the prior page
former financial assistant and current chief executive of the Pampered Chef, a Berkshire subsidiary.

When Tad Montross announced his retirement from Gen Re last year Gen Re said his successor would report to Ajit Jain, who runs Berkshire Hathaway Reinsurance Group, and not to Mr. Buffett as Mr. Montross had. One month later it announced the new CEO would be Kara Raiguel.

Berkshire's board routinely discusses succession at the top but also at the subsidiary level, with a focus on how to maintain Berkshire's culture, said board member Ron Olson, a partner at Munger, Tolles & Olson LLP, at a conference Thursday in Omaha.

Most new managers are hired from within the subsidiaries, he said, a model that has been successful.

One such example is Eric Schnur, who started reporting to Mr. Buffett as chief executive of Lubrizol in January, replacing the retiring James Hambrick. He has worked at the company since he was a student.

"I know the product lines, the customers. I know a lot of the challenges," he said in an interview. "It's clear to me what we need to do" to expand the business.

Many Berkshire managers spent part of last week networking with each other in Omaha, sharing experiences and ideas on shared challenges.

Other recent Berkshire subsidiary CEO turnovers include Cathy Baron Tamraz, who retired as CEO of press-release distributor Business Wire Inc., and was succeeded by Geff Scott. At MiTek, Mark Thom took over as CEO while former CEO Tom Manenti became executive chairman and continues to report to Mr. Buffett.

In December, Melissa Burgess-Taylor took the helm at Fruit of the Loom Inc. after Rick Medlin died at age 68. In April, Texas-based Star Furniture said Chief Executive Bill Kimbrell had resigned and a successor wasn't announced. A spokesman didn't provide an immediate comment.

Starting in June, RC Willey Home Furnishings Chief Executive Scott Hymas is planning to take a three-year religious leave, during which the company's president will be in charge of the Utah furniture chain while Mr. Hymas will take more of a board role, he said.

Berkshire declined to say whether that was a complete list of CEO transitions since 2016's annual meeting.

Mr. Buffett sends CEOs a letter every two years reminding them of the company's values and asking them to recommend in writing who their successors should be, he said in his 2010 shareholder letter.

Mr. Buffett also occasionally replaces top executives. In 2012, he wrote a letter to ousted Benjamin Moore & Co. CEO Denis Abrams explaining his decision to fire him based on "a differing view about distribution channels and brand strategy."

said. But shareholders would benefit too, especially due to lower taxes on Berkshire's investment gains.

Mr. Buffett, a longtime Democrat, supported Hillary Clinton in the presidential campaign but has said Berkshire's long-term performance won't depend on who is president.

Mr. Buffett and Berkshire's vice chairman, Charles Munger, answered questions from shareholders, analysts and journalists for hours on Saturday in Omaha, Neb. Tens of thousands of Berkshire fans traveled from around the world to hear Messrs. Buffett and Munger speak and to shop at Berkshire businesses, including See's Candies, Fruit of the Loom and Dairy Queen.

The enthusiastic crowd, many of whom stood outside for hours to get prime seats inside the arena, responded to Messrs. Buffett and Munger's familiar stories and jokes with laughter and applause.

The two men touched on everything from the effect of accounting policies on Berkshire's balance sheet to their regret at not investing in Amazon.com Inc. or Alphabet Inc.'s Google.

—Nicole Friedman,

Erik Holm

BUSINESS & FINANCE

Investors Await Disney TV Update

By BEN FRITZ

Walt Disney Co. investors will be paying more attention than ever to the media company's huge but challenged television business as the company reports fiscal second-quarter financial results Tuesday.

The future of Disney's TV division, particularly ESPN, has been the focus of anxious Wall Street analysts since its growth started slowing two years ago amid subscription declines for pay-cable packages. Wariness is even higher now, though, after a top executive at Time Warner Inc. last week warned about an advertising slowdown and after the biggest-ever first-quarter decline in pay-TV subscriptions.

Investors will want to know whether the many deals Disney has signed with low-price "slim" internet TV bundles like **You-Tube TV** are ameliorating subscriber declines. They also will be looking for an update on the "over-the-top" digital ESPN product Disney has said it would launch by the end of the year.

The company's theme-parks unit is also likely to get attention as the first anniversary of Shanghai Disney Resort approaches in June. Investors will want an update on the park's performance—particularly whether it is on track to meet its goals of 10 million visitors and break-even financial results.

Wall Street may also want to set expectations for the new "Avatar"-themed land opening at the Animal Kingdom park at Walt Disney World in Orlando, Fla., this month and whether it could help maintain growth in the domestic parks business, which has been on a tear recently.

After a monster fiscal



ESPN's growth started slowing two years ago amid subscription declines for pay-cable packages.

2016, Wall Street has been expecting a comparatively slow 2017 from Disney's film business. It is releasing only eight films, compared with 13 the prior year—two of which were on behalf of partner DreamWorks, under a deal that has expired—and 11 in the next.

But with March's "Beauty and the Beast" grossing \$1.1 billion-plus and "Guardians of the Galaxy Vol. 2" on its way to a total nearly that big, declines at the studio could be quite minor after all. Investors will want to

know what impact "Beauty" is having on the movie studio and consumer products this year before contemplating what looks like a few blockbuster years to come, with an accelerating pace of Marvel and "Star Wars" films as well as a "Frozen" sequel.

Tuesday will be the first earnings call since Chief Executive Robert Iger in March extended his contract for another year, to July 2019. Though Mr. Iger has previously been tight-lipped on earnings calls about the

search for a successor, analysts may nonetheless ask about progress in figuring out who will be running the world's biggest media conglomerate in two years.

Disney is expected to report net income of \$1.41 a share for the quarter, according to the consensus of analysts surveyed by Thomson Reuters, compared with \$1.30 a share a year earlier. Revenue is expected to be \$13.45 billion, up from \$12.97 billion a year ago. Disney doesn't provide earnings guidance.



'Guardians' opened to a strong \$145 million in the U.S. and Canada.

Estimated Box-Office Figures, Through Sunday

FILM	DISTRIBUTOR	SALES, IN MILLIONS		
		WEEKEND*	CUMULATIVE	% CHANGE
1. Guardians of the Galaxy Vol. 2	Disney	\$145	\$145	—
2. Fate of the Furious	Universal	\$8.5	\$207.1	-57%
3. The Boss Baby	Twentieth Century Fox	\$6.2	\$156.7	-34%
4. How to Be a Latin Lover	Lions Gate	\$5.3	\$20.7	-57%
5. Beauty and the Beast	Disney	\$4.9	\$487.6	-28%

*Friday, Saturday and Sunday Source: comScore

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04-IB17 1069

Berkshire Looks to Benefit From Tax Cut

BUSINESS NEWS

VW Again Says It Is on Cusp of U.S. Turnaround

BY WILLIAM BOSTON

WOLFSBURG, Germany—**Volkswagen AG** says its unprofitable U.S. operation is about to turn a corner and start cashing in on the world's most valuable car market.

But the company has been down this road before.

Herbert Diess, a former **BMW AG** executive who runs Volkswagen's namesake brand, is banking on a new fleet of sport-utility vehicles and a new generation of electric cars targeting **Tesla Inc.** on its home turf to improve VW's fortunes in America.

"The U.S. is too big a market for us to be a niche player," Mr. Diess told report-

ers on Friday, adding that VW expected to break even in the U.S. market by 2020, for the first time in years.

The brand banks on a new fleet of SUVs and a new generation of electric cars.

ers on Friday, adding that VW expected to break even in the U.S. market by 2020, for the first time in years.

VW's push to gain market share in the U.S. comes as the company is gradually emerging from its diesel emissions-cheating scandal. In 2015, Volkswagen admitted to rigging millions of diesel vehicles to cheat on emissions tests.

Nearly half a million cars were affected in the U.S., plunging the VW brand into a crisis.

VW's U.S. sales rose 10% in the three months to the end of March from a year earlier, after the launch of its Atlas and Tiguan SUVs. Mr. Diess said VW plans to launch two new models in the U.S. market every year, targeting sedans in 2018 and two more SUVs in

both 2019 and 2020. In 2020, Volkswagen will also begin production of its new family of pure electric vehicles. The first, a sedan, will go into production in Zwickau, eastern Germany, followed by new assembly facilities in China and the U.S.

"We have almost returned to precrisis levels within just 1½ years," Mr. Diess said. "And this is all without the diesel model, which we have completely withdrawn from the U.S. market."

The Volkswagen group, whose lineup includes VW, Porsche, Audi, Bentley and Lamborghini, is the world's biggest auto maker by sales. But the VW brand's share of U.S. auto sales was just 1.9% at the end of April, according to data compiled by Motor Intelligence. Including the Audi and Porsche brands, the market share was 3.6%.

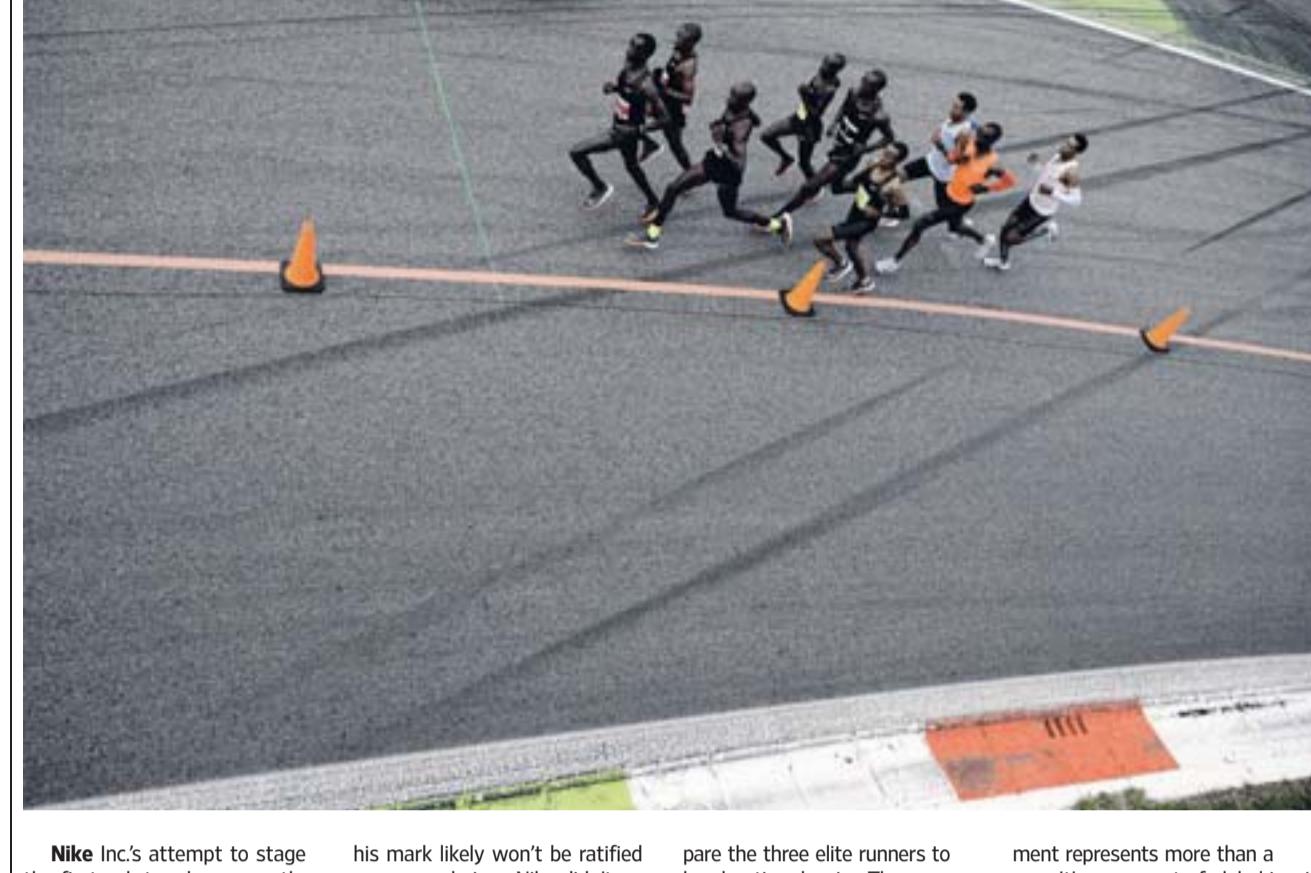
This isn't the first time a senior VW executive has pledged to achieve market share in the U.S. that is more in line with its status as the leading manufacturer in Europe and China.

Martin Winterkorn, who resigned as chief executive in the wake of the diesel crisis, predicted in 2014 that VW would sell a million vehicles a year in the U.S. by 2018. The VW brand sold 322,948 vehicles in the U.S. last year, down 7.6% from the previous year.

But that goal always seemed out of reach to the company's top management in the U.S. Until recently, VW lacked products tailored for the U.S. market, especially SUVs, and development decisions moved slowly at the headquarters in Germany.

Mr. Diess, acknowledging that VW is far from its U.S. goal, declined to give volume targets.

Nike Was Just Off Its Time in Marketing Race



LUCA BRUNO/ASSOCIATED PRESS

Nike Inc.'s attempt to stage the first sub-two-hour marathon fell just short Saturday, a rare marketing miss for the world's largest sportswear maker.

Eliud Kipchoge, the reigning Olympic marathon champion, finished the company-controlled race in two hours, 25 seconds—more than two minutes better than the current world best. Still,

his mark likely won't be ratified as a record since Nike didn't obey regulations on pacing and hydrating. Two other runners, Lelisa Desisa of Ethiopia and Zersenay Tadesse of Eritrea, fell out of contention early.

Nike invested years of research in the project, dubbed Breaking 2, an effort to engineer technically sophisticated footwear and pre-

pare the three elite runners to break a time barrier. The race was staged on a Formula One race-track in Monza, Italy, and Nike flew in dozens of world-class runners to set the pace.

Nike didn't respond to questions regarding whether it will continue the project. Chief Executive Mark Parker, who attended the marathon, said "this achieve-

ment represents more than a race. It's a moment of global inspiration that will encourage every athlete, in every community, to push the limits of their potential."

Breaking the two-hour marathon has become something of an arms race among top sportswear companies, with rival **Adidas AG** working on a similar project.

—Sara Germano

Hiring Picks Up at Logistics Firms

BY JENNIFER SMITH

Businesses tied to e-commerce fulfillment resumed hiring at a rapid clip in April, bolstering payrolls to meet changes in the consumer economy.

Parcel carriers and delivery firms, which had scaled back hiring in March, added 3,200 courier and messenger positions last month, the U.S. Bureau of Labor Statistics said in its April jobs report. The warehousing and storage sector, which includes sprawling fulfillment

centers that process online orders, added 2,500 jobs, accelerating from just 300 job additions in March.

The growth in sectors tied to online consumers came as hiring at other shipping operators more tied to industrial business was mostly flat.

Trucking companies followed two strong months of hiring by cutting payrolls by 100, and railroads slashed 500 jobs despite improved freight shipping volumes last month.

Trucking companies have

reported largely tepid earnings in the first quarter of this year, with uneven demand and overcapacity making it tough for carriers to raise the prices they charge shippers.

The hiring at courier and logistics companies was part of a robust national report. Overall nonfarm payrolls rose by 211,000 jobs in April and unemployment declined to 4.4%, potentially priming the economy for strong expansion in the second quarter.

Whether that growth pro-

duces more shipping demand is an open question, however. Goods-producing industries contributed only about 10% of the new jobs in April and factory hiring slowed, as U.S. manufacturing activity eased for the second month in a row.

The transportation and warehouse sector overall added 3,500 jobs last month, with declining payrolls at transit and ground passenger transportation operations undercutting gains at cargo-focused businesses.

Trump's Policies Stir Change At Indian Outsourcing Firms

BY NEWLEY PURNELL

NEW DELHI—As President Donald Trump tightens restrictions on immigration, Indian outsourcers are applying for fewer U.S. work visas, bringing employees home and trying to automate much of what they do.

Mr. Trump last month said he wants to alter rules for accepting high-skilled foreign workers under the H-1B visa program, which he said is a victim of "widespread abuse," signing an executive order calling for a governmentwide review aimed at stricter immigration enforcement and closing loopholes that undermine his "Buy American" initiatives.

The visas should be granted to the "most-skilled and highest-paid applicants," he said. Indian outsourcing companies are the largest employers of H-1B holders, while U.S. technology companies such as **Microsoft Corp.** and **Alphabet Inc.**'s Google also use the visas but usually to recruit employees with rare skills that attract higher wages.

Indian companies that send tens of thousands of workers to the U.S. annually applied for fewer visas this year "due to the fear and uncertainty surrounding the Trump administration's stance on immigration," said Shanon Stevenson, who works with large Indian information-technology firms as an immigration attorney for Fisher & Phillips, an Atlanta-based law firm.

Some of the firms, which she declined to name, are sending home Indian recruits who are already in America.

The number of H-1B applications fell 16% this year, the first drop in five years. About 85,000 of the visas are allotted each year by U.S. Citizenship and Immigration Services, with many going to Indians in lotteries triggered by overwhelming demand. The visas are good for three years and can be extended, meaning likely over half a million H-1B holders are in the U.S., according to analysts' estimates.



Infosys employees at the firm's headquarters in Bangalore, India.

Meanwhile the volume of applications from U.S. tech companies appears to be holding steady, immigration attorneys said.

In an example of how Indian firms are reacting to potential immigration changes, **Infosys Ltd.**, India's second-largest outsourcing firm by sales, on Tuesday said it is opening a new development center in Indiana in August where it hopes to create some 2,000 jobs for Americans by 2021.

Some Indian firms see opportunities from immigration restrictions. If Indian workers are forced to return home, outsourcing firms "are not going to be able to go out and suddenly replace all those people," so the tech work will be forced offshore to India, said Anand Mahindra, chairman of Tech Mahindra Ltd., one of India's largest IT companies.

"It is a chance for Indian software companies to change the model," which has depended on sending armies of Indians to America, he said. While Indian outsourcers say they can't find the talent they need with the right skills in the U.S., some analysts say they aren't really trying to do so, driven instead by a desire

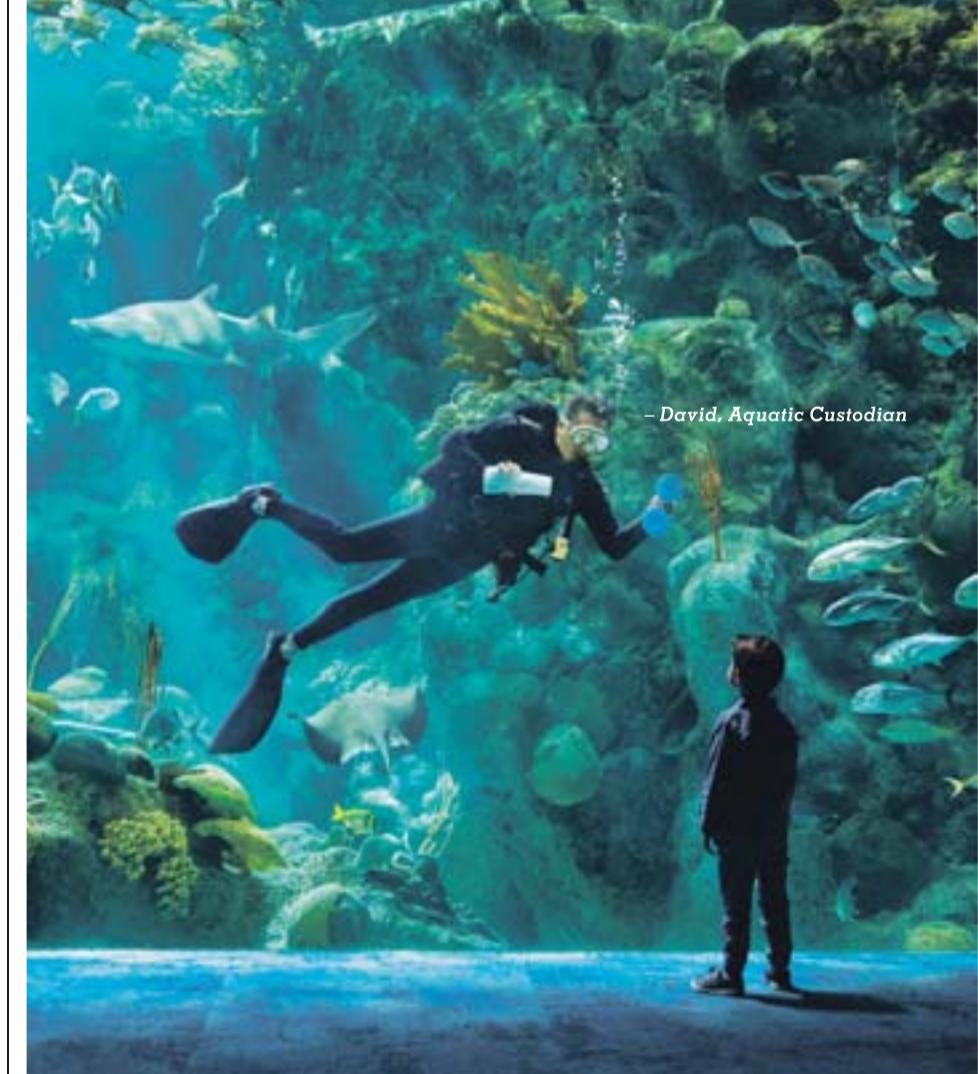
to pay lower wages, and that new restrictions could force them to hire more Americans.

The trend toward doing more offshore and through automation has been emerging slowly in recent years but is accelerating thanks to Mr. Trump's stance, analysts say.

The White House singled out India's two largest IT firms by sales, **Tata Consultancy Services Ltd.** and Infosys, along with Teaneck, N.J.-based **Cognizant Technology Solutions Corp.**—which has most of its employees in India—last month as potential targets of the crackdown.

The companies pay their employees wages that are well below average levels in the U.S. and flood the government with applications to "get the lion's share of visas," said a senior administration official last month in a press briefing.

TCS and Infosys declined to comment on their plans to deal with more onerous visa regulations. A Cognizant spokesman cited comments Friday from company President Rajeev Mehta, who said on a call with analysts that the company is applying for fewer H-1B visas and aiming to ramp up hiring in the U.S.



—David, Aquatic Custodian

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TECHNOLOGY

WSJ.com/Tech

A Quantum Leap for Computers Looms

VW, IBM and others prepare technologies to solve new classes of problems quickly

BY SARA CASTELLANOS

Quantum mechanics has fascinated, confounded and even alarmed scientists for nearly a century with the notion that particles can exist in two states at once and communicate with each other across vast distances.

CIO JOURNAL The underlying science that Albert Einstein famously called "spooky" could soon become one of modern computing's core tenets.

Computers that utilize quantum mechanics are moving beyond pure scientific research and edging toward the commercial sector, with companies such as Volkswagen AG beginning to harness their unprecedented power to solve complex problems in nanoseconds.

"This technology is not futuristic," said Martin Hofmann, Volkswagen chief information officer, who oversees information technology for the group's 12 brands including Audi, Porsche and Bentley. "It's a question of years until it's commercialized, and investing right now in the technology is a big competitive advantage."

Companies including D-Wave Systems Inc. and Inter-



Companies have started to make use of quantum computing, such as this D-Wave 2000Q System.

national Business Machines Corp. have been pioneering quantum computing, and experts say that within five years the technology could be powerful enough to solve new classes of problems that are

currently beyond the grasp of even supercomputers.

While traditional computers use binary digits, or bits, which can either be 0s or 1s, quantum computers use quantum binary digits, or qubits,

which represent and store information in both 0s and 1s simultaneously. This means the computers have the potential to sort through a vast number of possibilities within a fraction of a second to come up

with a probable solution.

Volkswagen put that speed to use for a recent traffic-optimization project. Working on a \$15 million D-Wave quantum computer over the cloud, a team of five in-house data scientists took GPS data from 10,000 taxis in Beijing and simulated specific routes that would allow each car to travel from downtown Beijing to the nearest airport, about 30 kilometers away, in the fastest time possible without creating a traffic jam.

After six months and several attempts, Dr. Hofmann and his team in March came up with an algorithm for the computer that optimized the routes for each taxi within a fraction of a second. A normal computer would have taken about 45 minutes to complete the same task, he said.

Dr. Hofmann's next project is a navigation-based mobile app for drivers in Barcelona that will harness the power of quantum computing and machine learning, a part of artificial intelligence, to predict traffic jams and immediately send alternate routes. The first iteration is expected to make its debut by year-end, though Dr. Hofmann declined to go into more detail about the project. "If our project succeeds and in six to eight years the technology is where it should be, then traffic jams won't happen anymore," he said.

IBM has also developed a cloud-based quantum comput-

ing service, which became available in March for commercial business use. A similar service for individual experiments was launched last year. Executives say that in less than five years IBM's system could begin solving a range of computations for businesses related to chemistry and supply-chain optimizations. Those could include the ability to simulate significantly more molecular interactions within the human body than is now possible with traditional computers, which could accelerate new drug discoveries, said Bob Picciano, senior vice president of IBM Cognitive Systems.

But commercializing the technology is a complex task. Qubits can't yet maintain their quantum mechanical state for more than a fraction of a second, said Dario Gil, vice president for science and solutions for IBM Research. They are delicate, easily disrupted by changes in temperature, noise or frequency. The number of qubits created by companies to date remains relatively small, meaning experiments are currently limited to a narrow swath of information. There also isn't yet a programming language for quantum computing like there is for classical computing.

"This is phenomenally difficult from a tech perspective from every aspect," including materials, devices, theory and error correction, Dr. Gil said.

Maven Gig that uses human drivers.

But even if Uber can keep up in terms of autonomous-vehicle technology—or find more willing partners in the established auto industry—there is a much larger problem looming ahead.

The companies that will profit from the transportation-as-a-service revolution will depend on an incredibly costly infrastructure—one that doesn't yet exist. Someone has to buy and maintain all the autonomous vehicles, enough to replace all of the cars driven (and usually owned) by Uber and Lyft drivers, not to mention many of the cars driven by you, me and countless others, too.

To date, Uber's model has been built on it not owning vehicles.

Uber does own its prototype self-driving vehicles, but declined to comment on the extent to which its future would depend on owning vehicles.

Auto makers have a great deal of experience working with the complex web of dealers, financing companies and fleet managers—even car-rental agencies—that

Up until now, Uber's model has been built on it not owning vehicles.

could potentially be repurposed to manage millions of self-driving vehicles.

Owing to all these factors, Uber, Lyft and their imitators will eventually cease to exist as stand-alone companies, either going out of business or being acquired by car makers, says Sam Abuelsamid, a senior analyst with Navigant research who specializes in mobility.

"It's a lot easier for an auto manufacturer to replicate what Uber or Lyft or Gett has done than it is for an Uber or Lyft to get into either manufacturing or even just buying vehicles and having to maintain them," he adds.

A spokesman for Lyft says that it will someday operate its own fleet of self-driving vehicles, but it isn't clear whether it will own them or its auto-maker partners—for example, GM—will.

The future of transportation—cheaper, cleaner, less congested—could be great for consumers. It will also open up new sources of revenue for technology companies, the arms dealers of the autonomous-vehicle war. As for Uber, the company faces a difficult choice: Either figure out a way to buy or at least manage an enormous fleet (possibly by going public to foot the bill), or face annihilation by others who will.

GE, Rivals Turn to Europe For Push Into 3-D Printing

BY DANIEL MICHAELS

TURIN, Italy—For **General Electric** Co. and its rivals expanding their manufacturing operations using 3-D printing, Europe is emerging as a dominant source of the latest technologies.

GE is placing Germany's **Concept Laser** GmbH and Sweden's **Arcam** AB, which the U.S. industrial giant bought in November for a combined \$1.5 billion, at the core of a new business unit it is spinning out of GE Aviation. Arcam and Concept already are working closely on printed airplane-engine parts with European aviation-component makers that GE bought over the past decade. GE is investing about \$100 million to expand Concept's headquarters and plans to double its staff of 200 by next year.

Last month GE said it would open in Munich the first of several marketing centers it

plans world-wide dedicated to the new technology, known formally as metal additive manufacturing, in a nod to the European companies' outsize role in the technique's development. The new hands-on demonstration facility, which will have as many as 10 operational 3-D printers from the two companies, will be built next to GE's existing research center at a cost of roughly \$10 million.

Concept, Arcam and other European companies that GE bought over recent years "bring great technologies that were developed independently here," said Riccardo Procacci, a GE veteran previously with the conglomerate's oil-and-gas division. He is now chief executive of plane-part maker Avio Aero, near Milan, which GE bought in 2013. One of Avio's specialties is 3-D metal printing, thanks to a decade of work with Arcam.

GE is considering European locations for the head-

quarters of its new GE Additive division, now being created. Executives have said they want to generate \$1 billion in revenue from 3-D printing by 2020, up from \$300 million today.

An early mover into 3-D printing, GE is aggressively expanding its operations in part because rivals are getting more active. **Siemens** AG of Germany last year bought British additive-manufacturer Materials Solutions Ltd. for an undisclosed amount and opened a 3-D printing facility in Sweden. Siemens has focused on parts for gas turbines, an industry in which it competes with GE.

Siemens declined to comment for this article.

Meanwhile, **United Technologies** Corp.'s Pratt & Whitney, which competes with GE in airplane engines, is expanding its use of 3-D printing for making quick prototypes to accelerate engine development.



Uber owns self-driving vehicles, such as this one in Pittsburgh.

JARED WICKERHAM/ASSOCIATED PRESS

MIMS

Continued from page B1
technology stole the technology from Waymo, where he previously worked. If Uber loses, its self-driving technology program could be shut down under trade-secret laws.

Uber declined to comment on the suit. Attorneys haven't disputed the allegation that the employee stole files, but they have denied that Uber knew of, possessed or used those files.

As the two spar, Big Auto is dialing up the competition. Last week Cambridge, Mass.-based automotive software company nuTonomy Inc. announced a partnership with Peugeot, while Samsung Electronics Co. got together with Hyundai Motor Co. General Motors Co. is committed to rolling out self-driving vehicles as part of a ride-sharing service, says a company spokesman.

All of this is part of what auto makers and ride-hailing companies anticipate will be a larger transition to "transportation-as-a-service"—potentially the end of widespread vehicle ownership in developed countries. Sub-

scribing to such a service for all of a person's transportation needs within a typical American city could cost anywhere from 10% to 25% what an average consumer now spends on owning, maintaining and insuring a vehicle, says Tony Seba, co-founder of technology think tank RethinkX.

This disruption hinges on the arrival of dependable autonomous vehicles. It isn't at all clear when they will get here. Tesla's Elon Musk said last week that one of his vehicles will be ready in two years; Uber plans to have its autonomous vehicle available somewhere around 2021.

Uber seems well positioned to take advantage of this disruption. Not only is it working on its own technology, but David Richter, vice president of strategic initiatives at Uber, says that auto makers will benefit from first putting their own self-driving vehicles into service in an existing network—yes, like Uber's.

Daimler AG, maker of Mercedes-Benz, is betting on Uber: It plans to manufacture self-driving cars for Uber's network. GM has bet on Lyft Inc., and is building a complement to Uber called

CABLE

Continued from page B1

Verizon.

The cable companies will also likely explore working closer together to gain scale in wireless and digital advertising as a result of the partnership, another person familiar with the matter said.

Rivals AT&T and Verizon have openly discussed their interest in making a bigger play there, as juggernauts Google Inc. and Facebook Inc. are sucking up the majority of dig-

ital ad dollars. Comcast and Charter already collaborate in local cable ad sales.

Comcast and Charter will each still only offer wireless service to customers within their respective cable footprints—not nationwide, the person said. However, their mobile plans' coverage will be nationwide.

The deal is likely to be announced on Monday, people familiar with the matter said.

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United States Bankruptcy Court
Southern District of Florida
Miami Division
Case No. 17-14711-LMI
In re Grandparents.com, Inc. and Grand Card
LLC (collectively, "Debtors")
NOTICE IS HEREBY GIVEN that pursuant to the Bid
Procedures Order (ECF No. 84) entered on May 3, 2017,
the auction of the Debtors' assets, including the domain
name www.grandparents.com shall take place on June
5, 2017 at 10:00 a.m. (Eastern) (the "Auction Date") at
the office of Akerman LLP, Three Brickell City Centre,
98 Southeast 7th Street, Miami, Florida 33131. All
parties wishing to take part in this process and submit
a bid for the assets must do so in accordance with
the Bid Procedures Order or before May 31, 2017 at 5:00
p.m. (Eastern) (the "Bid Deadline"). The minimum bid
has been set at \$2,000.00 and a deposit of \$20,000
is required. Interested bidders should contact Steven
R. White at (312) 209-5092 or steven.white@akr.com
to obtain (i) a copy of the Bid Procedures Order,
(ii) the bid package, and (iii) instructions for access to
due diligence on the Debtors' assets. A Sale Hearing to
approve the sale of Debtors' assets to the successful
bidder will take place on June 5, 2017 at 2:45 p.m.
(Eastern) (the "Sale Hearing") before the Honorable
Laurel M. Iloff located at the C. Clyde Atkins U.S.
Courthouse, 301 N. Miami Ave., Courtroom 8, Miami,
Florida 33121.

THE WALL STREET JOURNAL

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CLOSED-END FUNDS

Listed are the 300 largest closed-end funds as measured by assets. Closed-end funds sell a limited number of shares and invest the proceeds in securities. Unlike open-end funds, closed-ends generally do not buy their shares back from investors. Who wins? To calculate NAV, fund managers can set a mark each day. **a**-The NAV and market price are ex dividend. **b**-The NAV is fully diluted. **c**-NAV is as of Thursday's close. **d**-NAV is as of Wednesday's close. **e**-NAV assumes rights offering is fully subscribed. **f**-Rights offering in process. **g**-Rights offering announced. **h**-Lipper data has been adjusted for rights offering. **i**-Rights offering has expired, but Lipper data not yet adjusted. **j**-NAV as of previous day. **k**-Offer in process. **v**-NAV is converted at the commercial rate. **w**-Convertible Note-NAV (notional value). **x**-NAV assumes that the instrument is in Canadian dollars. **y**-NAV assumes that the information is not available or not applicable. **NS** signifies fund not in existence of entire period. **12-month yield** is computed by dividing income dividends paid (during the previous twelve months) for periods ending at month-end or during the previous fifty-two weeks for periods ending at any time other than month-end) by the latest month-end market price adjusted for capital gains distributions.

Source: Lipper

Friday, May 5, 2017

Fund (SYM)	NAV	Prem	Ttl
	Close	/Disc	Ret
General Equity Funds			
Adams Divers Equity Fd ADX	16.77	14.19	-15.4 21.9
Boulder Growth & Income BIF	11.45	9.47	-17.3 24.4
Central Securities CET	29.57	24.70	-16.5 33.8
Coh Stepr Opprty Fd COF	13.79	13.03	-5.2 27.5
Cornerstone Strategic CLM	14.33	12.52	+2.5 28.7
EtnVnc TaxAdvDiv EVT	22.43	21.94	-2.2 17.4
Gabelli Dividend & Incm GDV	23.06	21.52	-6.7 24.6
Gabelli Equity Trust GAB	6.21	6.12	-1.2 24.1
Gen American Investors GAM	40.70	34.27	-15.8 23.7
Hnck John TaxAdv HTD	26.23	25.66	-2.2 12.5
Liberty All-Star Equity USA	6.45	5.55	-14.0 24.9
Royce Micro-Cap RMT	9.77	8.65	-11.5 25.0
Royce Value Trust RVT	16.37	14.63	-10.4 34.5
Source Capital SOR	43.03	38.41	-10.7 8.8
Tri-Continental TY	27.39	23.85	-12.9 24.5
Specialized Equity Funds			
Adams Natural Rscs Fd PEO	22.24	19.20	-13.7 8.7
AlnnGln Nfj DivInterest NFI	14.58	13.13	-9.9 17.6
AlpnGblPrProp AWP	6.87	5.94	-13.5 17.3
ASA Gold & Prec Metals ASA	12.94	11.73	-9.4 8.4
BikRk Enh Cap Inc CHI	15.88	14.87	-6.4 19.4

Fund (SYM)	NAV	Prem	Ttl
	Close	/Disc	Ret
52 wk			
BikRk Engy Res Tr BGR	14.72	13.62	-7.5 7.7
BlackRock Global Eq Div Tr BDJ	9.41	8.72	-7.3 23.2
BlackRock Health Sci BME	34.28	35.41	+3.3 7.1
Neubger Berman PlmPm NML	10.66	9.74	-8.6 39.9
Neubgr Brm Rst Sec Fd NRO	5.82	5.24	-10.0 6.6
Nuveen Dow 30 Dynamic DIAX	17.17	16.10	-6.2 22.3
Nuveen Diversified Div AOD	12.87	12.16	-5.5 20.2
Nuveen Engy Pfd Fd JMF	13.22	13.12	-0.8 25.4
NuVDAQ100 Dyn Ovr QQX	21.24	21.42	+0.8 30.2
Nuveen Real Est Incm Fd JRS	11.34	11.25	-0.8 10.2
NuS&P 500 Dyn Overwtr SPX	15.30	NA	22.2
Nuveen Engy MLP Fd CEM	16.58	NA	24.2
ClearBridge Amer Engy CBA	9.48	NA	32.5
ClearBridge Engy MLP Opp EMO	13.23	NA	19.9
ClearBridge MLP TR CTR	13.36	NA	23.2
Cohen & Steers Incm Fd CTB	24.57	22.94	-6.6 24.9
C&S MLP Incm & Engy Opp MIE	12.17	11.18	-8.1 31.5
Cohen & Steers Qual Inc RQI	13.35	12.76	-4.4 9.3
CohnStrs PfdIncm RNP	22.28	20.02	-10.1 12.9
Cohen & Steers TR RPT	13.33	12.56	-5.8 2.5
CLSlgm PreTech Fd STK	20.69	22.96	+11.0 55.0
Divers Real Asset Incm Fd DRA	19.16	17.36	-9.4 12.9
Duff & Phelps DNP	8.97	10.96	+11.1 15.6
Eaton Vance Engy IncIn EIO	12.47	12.33	-5.9 14.0
Eaton Vance Engy Incll EOS	14.94	14.32	-4.1 19.6
Eaton Vance Engy Incll ETJ	10.05	9.27	-7.8 7.5
EtnVnc TaxMgt Buy-Wrt ETB	15.92	16.53	+3.8 10.4
Eaton Vance Buy-Wrt Opp ETV	14.45	15.54	+7.5 12.7
Eaton Vance Tax-Mng Div ETY	18.11	11.26	-4.7 19.7
Eaton Vance Tax-Mngd Opp ETW	11.36	11.35	-0.1 22.3
EtnVnc TaxMngdEnginc EXG	9.42	8.95	-5.0 14.4
Fiduciary/Clymr Opp Fd FMD	14.73	15.24	+3.5 34.7
FT Energy Inc & Growth Fd FEN	25.25	26.37	+4.4 22.2
FstTrEnhEqtnCnd FFA	16.05	14.74	-8.2 23.6
First Tr Enfr Infr Fd FEI	19.71	18.63	-5.5 24.2
First Tr MLP & Engy Incm FEI	15.49	15.89	+2.6 21.9
Gabelli Utility Tr GUT	5.49	6.74	+2.8 12.8
Gabelli Utility Tr GUT	5.49	6.74	+2.8 12.8
GTC Strategic Income Fnd TIS	5.43	NA	8.0
Virtus Global Dividend ZTR	12.74	12.36	-3.0 18.4
Convertible Sec's. Funds			
AdvtClymrFd AVK	17.27	16.26	-5.8 28.0
AllianzGI Conv & Incm NCV	6.74	7.03	+4.3 34.6
AllianzGI Conv & Incm II NCZ	6.04	6.18	+2.3 36.2

Fund (SYM)	NAV	Prem	Ttl
	Close	/Disc	Ret
52 wk			
Kayne Andrs Midstr Engy KMF	16.67	15.43	-7.4 37.3
Macquarie Gbl Infrastrct MGU	27.00	23.67	-12.3 23.2
Neuberger Berman PlmPm NML	10.66	9.74	-8.6 39.9
Neubgr Brm Rst Sec Fd NRO	5.82	5.24	-10.0 6.6
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NuVDAQ100 Dyn Ovr QQX	21.24	21.42	+0.8 30.2
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Eaton Vance Engy Incll ETJ	10.05	9.27	-7.8 7.5
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Eaton Vance Tax-Mng Div ETY	18.11	11.26	-4.7 19.7
Eaton Vance Tax-Mngd Opp ETW	11.36	11.35	-0.1 22.3
EtnVnc TaxMngdEnginc EXG	9.42	8.95	-5.0 14.4
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FstTrEnhEqtnCnd FFA	16.05	14.74	-8.2 23.6
First Tr Enfr Infr Fd FEI	19.71	18.63	-5.5 24.2
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GTC Strategic Income Fnd TIS	5.43	NA	8.0
Virtus Global Dividend ZTR	12.74	12.36	-3.0 18.4
Investment Grade Bond Funds			
AllianzGI Equity & Conv NIE	21.98	19.80	-9.9 19.9
Calamos Conv Hlncd Fd CHY	11.75	11.67	-0.7 27.7
Calamos CHI	11.15	11.17	+0.2 29.3
World Equity Funds			

MARKETS & FINANCE

DEALPOLITIK | Ronald Barusch

Arconic's Board Spat Is Lesson for Investors

 Proxy fights over director elections frequently involve a bit of bait and

switch. In the war of words over corporate strategy, activists and the company exchange highly charged accusations and firm positions on corporate strategy. But shareholders are really asked to vote on something very different: which "independent director" nominees should be installed to make their own judgments on how to manage corporate affairs.

Shareholders deserve better information when they're asked to make this decision. And with a bit of self-help, they have the power to get it.

The sometimes bizarre and frequently nasty fight currently going on between activist Elliott Management Corp. and Arconic Inc. over which four (of five) "independent" directors should be elected is a good example.

Elliott has big ideas about what is wrong with Arconic and how to fix it. But of course shareholders aren't voting on those plans. Since they are independent, Elliott's nominees aren't committed to any program. The hedge fund says it has "no arrangements or understandings" with its



LUKE SHARRETT/BLOOMBERG NEWS

Activist Elliott Management has big ideas about what is wrong with Arconic and how to fix it.

nominees other than an agreement to compensate them for being its nominees. Elliott says the "nominees, subject to their fiduciary duties as directors, will seek to work with the other members of the Board to position Arconic to maximize shareholder value."

The nominees are up against Arconic's four independent director candidates, who presumably plan to do

the same thing. What's more, Arconic recently offered to include two of the Elliott directors on its slate.

So is this just a fight over which nominees have the better resume? Hardly.

Arconic claims that Elliott "is looking for a degree of control and micro-management over the Company." Elliott says the company has made it clear it doesn't have

plans to change its strategy. The company responds that regardless of who wins there will be "new perspectives" on the board.

But if both slates are truly independent, how can shareholders really know what they're voting for? Shareholders probably expect that if they choose Elliott's slate, the new directors will be inclined to implement the El-

liott platform. But they do not have any assurance of how the nominees would proceed. For example, just last year the company elected three directors suggested by Elliott. And in this year's proxy fight they are supporting the management nominees against Elliott.

What are the nominees' personal, detailed views about Arconic's business and strategy? Shareholders know very little about that. It's safe to assume they have some sympathy for the platform of the entity that nominated them. But unless the nominees have specific plans themselves, they aren't required to reveal more.

The rules permit Elliott and the company to do all the fighting, with individual nominees being almost bystanders. (Institutional shareholders probably get some opportunity to talk to nominees privately, but you can be sure they are going to be well scripted and not reveal anything meaningful since that could trigger new disclosure.)

So, as is so often the case, it's a war fought by surrogates. Shareholders' information about the real decision-makers is largely limited to their resumes and the identity of their escort to the party. It's not a great

deal for investors.

Here is how shareholders could easily get a better take on the nominees themselves: Institutional shareholders could refuse to vote for (and proxy advisory firms refuse to recommend) any slate whose members do not appear at multiple public forums in which large shareholders and analysts have the opportunity to question those nominees in detail. That would allow shareholders to have some sense of how the nominees would approach the issues beyond the heated rhetoric of the primary protagonists.

And I would suggest going one step further. Shareholders should insist that any nominees who want their vote participate in independently moderated debates with the opposing nominees over the issues.

That would give shareholders a better window into how the directors will act in the real-world setting of a board meeting. And, just maybe, an open dialogue between competing board slates on substantive issues might cool some of the heated rhetoric of proxy fights.

Mr. Barusch is a retired M&A lawyer who writes about deal making for The Wall Street Journal.

China's Currency Reserves Climbed Again in April

BEIJING—China's foreign-exchange reserves rose for the third straight month in April, edging up on the back of a less-bullish U.S. dollar and Chinese government controls on money moving offshore, economists said.

The foreign-currency reserves increased by \$20.45 billion from the previous month to \$3.03 trillion, according to data released by the People's

Bank of China on Sunday. Economists surveyed by The Wall Street Journal had expected an \$11 billion rise following March's \$3.96 billion increase.

Some economists attributed April's increase to a dollar that lost some ground after President Donald Trump said the U.S. currency "is getting too strong."

The value of other currencies in China's reserve

hoard—including the euro, the British pound and Japan's yen—played a significant role in the rise, said Yan Ling, an economist with China Merchants Securities.

Also contributing to the reserve accumulation are the tight controls on capital outflows that the central bank began ratcheting up late last year to defend a weakening yuan, some economists said. Policy

makers have been pushing harder on that lever instead of burning through the foreign-exchange stockpile to prop up the yuan, the economists said.

"The Chinese central bank no longer cares that much about the level of the exchange rate. Rather, they now care more about the basic stability of the foreign-exchange reserve," said Zhou Hao, an economist with Commerzbank AG.

The reserves dipped below the \$3 trillion level in January. Foreign-exchange regulators at the time played down the significance of falling below that mark, saying that Beijing's war chest was still ample and could provide sufficient support for the yuan when needed.

China has burned through nearly \$1 trillion of its foreign-exchange hoard since its peak in early 2014.

Xia Le, an economist with BBVA, said the stepped-up capital controls are constraining outflows and leading to a change in expectations among some Chinese companies that had thought the yuan would weaken further in the short term. That is likely to keep China's balance of international payments "in a stable phase" in the months ahead, he said.

—Pei Li



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EQUITIES

THE TICKER | Market events coming this week

Monday

Earnings expected*

Estimate/Year Ago(\$)

EOG Resources

0.15/(0.83)

Intl Flavors & Fragrances

1.51/1.47

Marriott Intl

0.91/0.87

Newell Brands

0.29/0.40

Sysco

0.51/0.46

Tyson Foods

1.02/1.07

Tuesday

Short-selling reports

Ratio, days of trading volume of current position, at April 13

NYSE

5

Nasdaq

4.6

Wholesale inventories

Feb., previous up 0.4%

Mar., expected down 0.1%

Earnings expected*

Estimate/Year Ago(\$)

Allergen

3.31/3.04

Duke Energy

1.03/1.13

Electronic Arts **0.75/0.50**

Nvidia **0.66/0.33**

Priceline **8.82/10.54**

Walt Disney **1.41/1.36**

Hologic **0.46/0.47**

Mylan **0.92/0.76**

Symantec **0.28/0.22**

Twenty-First Century Fox **0.48/0.47**

Vulcan Materials **0.21/0.26**

Wednesday

Mort. bankers indexes

Purch., previous up 4%

Refin., previous down 5%

EIA status report

Previous change in stocks in millions of barrels

Crude oil down 0.9

Gasoline up 0.2

Distillates down 0.6

Initial jobless claims

Previous 238,000

Expected 244,000

Thursday

EIA report: natural gas

Previous change in stocks in billions of cubic feet

up 67

Import price index

Mar., previous down 0.2%

Apr., expected down 0.1%

Producer price index

All items March down 0.1%

April, expected up 0.2%

Core, Mar. 0.0%

April, expected up 0.2%

U. Mich. consumer index

April, final 97.0

May, prelim. 97.0

Retail sales

Mar., prev. down 0.2%

Apr., exp. up 0.5%

Earnings expected*

Estimate/Year Ago(\$)

Coty **0.12/0.09**

Earnings expected*

Estimate/Year Ago(\$)

CA **0.49/0.60**

Kohl's **0.29/0.31**

Retail sales ex autos

Mar., prev. 0.0%

Apr., exp. up 0.5%

Friday

Business inventories

Feb., prev. up 0.3%

March, exp. up 0.1%

Consumer price index

All items March down 0.3%

April, expected up 0.2%

Core, Mar. down 0.1%

April, expected up 0.2%

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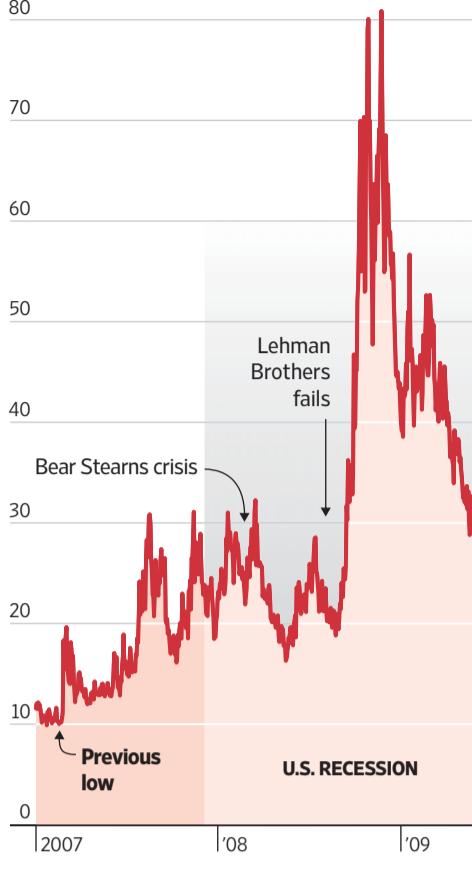
Apr., exp. up 0.5%

Earnings expected*

Estimate/Year Ago(\$)

CA **0.49/0.60**

MARKETS



THE DAILY SHOT | By Lev Borodovsky and Gunjan Banerji

Volatility Dries Up

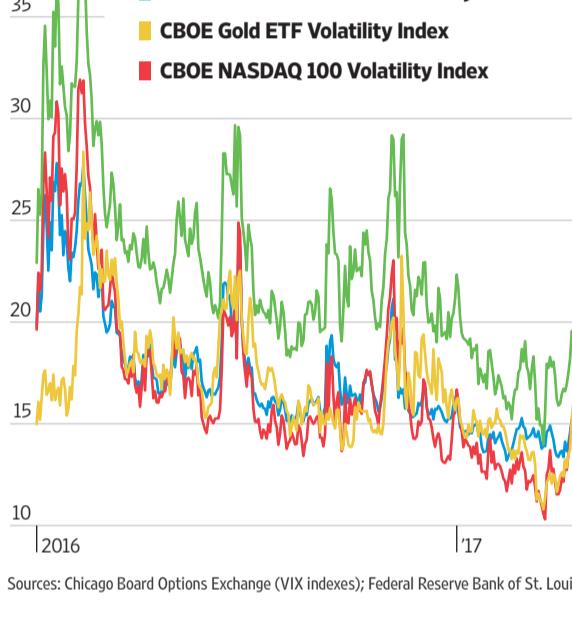
Wall Street is growing alarmed at the sharp decline in volatility indexes that measure expected price swings across markets, a shift that some executives term scary because it suggests investors have grown as complacent as they were just before the financial crisis.

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The CBOE Volatility Index, a measure of expected price swings, recently hit its lowest since 2007.



Declining volatility is being broadly replicated in other markets.



The decline in volatility is one aspect of declining financial market stress, along with high stock and bond prices and narrow credit spreads.

St. Louis Fed Financial Stress Index



Short interest in the VXX exchange-traded product has risen sharply in 2017, highlighting a popular and so far successful bet that market turbulence will remain low: VXX is down 43% this year.

Daily short interest



Sources: Chicago Board Options Exchange (VIX indexes); Federal Reserve Bank of St. Louis (stress index); S3 Partners (short interest)

THE WALL STREET JOURNAL.

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FINANCIAL ANALYSIS & COMMENTARY

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China Puts Squeeze on Life Insurers

In China, lucrative bets are usually followed by a regulatory clampdown. So it was only a matter of time before China's acquisitive and unlisted life insurers started feeling the pain.

A broader regulatory shake-up in recent weeks has Chinese investors edging away from investments that look primed for attention. Talk of controlling "cross-sector and cross-market" risks in the financial sector is ramping up in the state-backed media. Last week, for instance, stocks of companies related to **Anbang Insurance Group**, such as developers Financial Street Holdings and Gemdale—the insurer had an over-14% stake in each as of September—fell on local-media reports of regulatory violations and on how Anbang was funding its bets.

Anbang was once a high-flying unlisted insurer vacuuming up premiums and recycling them into investments. More recently, it has been humbled by Beijing's strictures. One measure of the change: Anbang Life has seen premium growth go negative after regulators cracked down on their wealth-management investment-type products, which they sold largely through banks. It has dropped the fantastically high interest rates promised on its insurance-cum-investment products to 4% from 6% a year ago. Policyholder deposits fell 54% year-to-year in January.

These cash flows were typically used to finance the insurer's other activities, including large-stake buyouts in property developers.

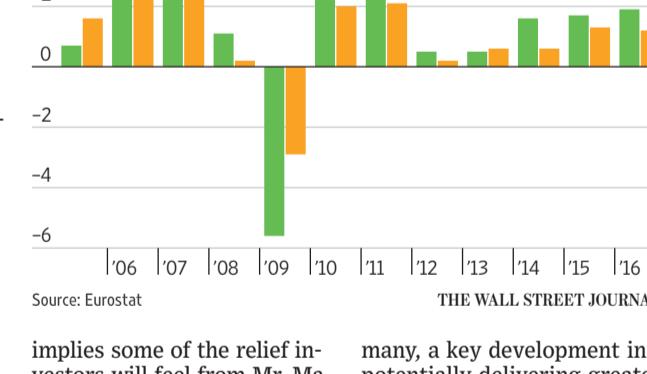
China let its insurance industry go wild. The cleanup has just begun.

—Anjani Trivedi

After Macron's Win, What's Next?

Second Fiddle

Annual change in real gross domestic product



THE WALL STREET JOURNAL.

Source: Eurostat

implies some of the relief investors will feel from Mr. Macron's win has already been priced in. Markets have been further buoyed by the relative strength and resilience of eurozone economic data.

How could Mr. Macron's election keep the momentum going for European markets? A focus will be on whether he renews the relationship between France and Ger-

fiscal union remain on the drawing board.

An important part of that will be Mr. Macron's ability to overhaul France, boosting growth that has lagged behind that of Germany in recent years; to have the two biggest economies in the eurozone moving in tandem will be a powerful force. Vital tasks include making labor markets more flexible to lower French unemployment from 10%, as well as reducing public spending.

Another litmus test for progress will be Greece. A renewed Franco-German axis could perhaps find some way to agree on a restructuring of Greece's debt.

The election of Mr. Macron is a step forward for Europe—but in a system with so many moving parts, it is a necessary, not a sufficient condition for progress. Still, combined with a recovery in corporate profits and decent economic data, the pro-European story has the upper hand.

—Richard Barley

OVERHEARD

On the spectrum of awful to great, one might place being beaten up near one end and getting a free trip to San Francisco on the other.

In reality, though, **United Airlines** wound up paying undisclosed settlements to passengers who experienced both.

The case of the bloodied doctor David Dao, dragged off a flight, is well-known and forced Chief Executive **Oscar Munoz** to spend two days groveling to Congress this past week.

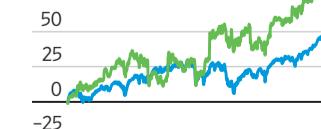
The latter episode led to a settlement because the passenger, who only speaks French, was supposed to fly from Newark to Paris instead. The airline made a last-minute gate change but only announced it in English. The passenger boarded the wrong flight and wasn't removed, even courteously. That turned what should have been a seven-hour trip into a 28-hour one.

Zut alors!

Microsoft's Focus on Cloud Area Should Keep Paying Off

Reboot

Share and index performance



Source: WSJ Market Data Group

The addition of about \$230 billion in market cap—more than the total market value of about 97% of the companies in the S&P 500—means Microsoft's cloud now needs to deliver a big silver lining. Mr. Nadella is likely to focus heavily on the cloud

come Wednesday, when he kicks off the company's annual Build conference that once served mainly as the showcase for the Windows operating system.

Two of Microsoft's three operating segments contain cloud-related businesses. The good news is those two segments are on track to comprise about 64% of total revenue for the fiscal year ending in June, compared with 54% two years prior. The bad news is Microsoft doesn't disclose enough information to tell just how well its cloud business is performing. Improving that would bolster the company's case for growth.

That is important because the cloud business is expen-

sive to build and to operate and doesn't command the same profitability as Microsoft's past big businesses, such as Windows and Office. Adjusted operating margins have compressed to the low 30% range in the past three years, compared with an average of 37% for the five years prior. And Microsoft's growing efforts at hardware—like the new Surface laptop introduced last week and a new supercharged Xbox coming this fall—also weigh on its margins.

Microsoft has signaled that its margins are on pace to improve, and its capital spending is expected to moderate over the next year. It also needs to add more clarity to its cloud business.

Walter Pritchard of Citigroup estimates Azure, the Microsoft cloud business that competes with Amazon's AWS, will hit about \$3.5 billion in revenue for the fiscal year ending in June, compared with \$1.8 billion the previous year.

That's still a lot smaller than AWS, which is projected to top \$14 billion in revenue for the same period. But Azure's rapid growth rate is helping to close some of that gap. At 22 times forward earnings, Microsoft is fetching its highest multiple in more than a decade. But it is cheaper than Google parent Alphabet and Amazon, making it a reasonable bet for a rising cloud.

—Dan Gallagher

INVESTING IN FUNDS & ETFS

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THE WALL STREET JOURNAL.

Monday, May 8, 2017 | R1

6 Questions for Bond Investors

As interest rates rise, finding the right fixed-income strategy is crucial

Introducing
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Once celebrated, now derided,
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R14



DOUG CHAYKA

BY MICHAEL A. POLLICK

THE FEDERAL RESERVE is raising interest rates, and there are several questions that savers and bond investors would like answered.

For example, to be blunt: *Is my savings account going to pay any worthwhile interest at some point?!* (The answer: probably not soon. But there are alternatives.)

If this all sounds familiar, it should: Many bond-market strategists had expected bond yields would be a lot higher by this point in the economic recovery, perhaps even making a savings account desirable. But a climb in rates seems to be getting closer.

With inflation ticking higher, the Fed now anticipates lifting short-term rates more rapidly. Officials also are discussing winding down the Fed's huge bond portfolio, accumulated during the recession to damp yields. Such a move would eliminate a major source of demand for government bonds, whose prices fall as yields rise.

And meanwhile, Washington lawmakers are talking about tax cuts and infrastructure spending that could stoke growth and lift inflation.

Amid such developments, "you need to be really careful about how you invest the fixed-income part of your portfolio," says Terri Spath, chief investment officer at Sierra Investment Management in Santa Monica, Calif.

She and others say there are some smarter ways to play this: Avoid putting any cash that might be needed soon into bonds. Keep additional funds around to invest later, at potentially higher rates. Dial back on rate-sensitive holdings, and further limit risk by owning a range of U.S. and foreign bonds.

Here are six questions for savers and those who own bonds or are considering buying them:

1. What risks do rising rates pose for bonds now?

One threat is to short-maturity bond funds and exchange-traded funds, which some investors may think are immune to rate risk. These commonly have average maturities of around two years and aim to generate 1% to 2% in annualized yield.

After raising rates twice since last fall, Fed officials expect to boost rates another five or six times by the end of 2018, lifting the Federal Reserve's rate target to around 2.25%-2.5%

from about 1% now.

Bond yields move the opposite way as prices. Although short-term funds are less affected by yield changes than those that own longer maturities, many have a rate sensitivity of around two. If yields rose by one percentage point, that would result in a 2% decline in principal value—more than an investor would get back in interest paid by such a fund.

"If you are an investor who really can't stomach any losses, you should be in a money-market fund" where principal value would remain steady, says Emory Zink, analyst at fund-trackers Morningstar Inc.

2. Where can investors get reasonable returns on cash?

Although short-term rates are rising, banks—not the market—decide what rate of interest they will pay on savings. The national average rate today is just 0.08%, and banks will raise rates slowly since doing so will boost their profitability.

Some money-market funds yield closer to 1%. Their yields will rise gradually, though lagging behind the Fed's rate increases.

For the best combination of yield and safety,

Please turn to the next page

SCOREBOARD

April 2017 fund performance,
total return by fund type. More on R2.



*Diversified funds only, excluding sector and regional/country funds

Source: Lipper

WHAT'S MY INVESTING FEE? A FRUSTRATING QUEST

Our reporter thought she had a simple question, but the answers were anything but

BY ANDREA FULLER

I THOUGHT MY question was simple: How much was I paying my investment adviser in fees?

After a series of phone calls that elicited the kind of confusion and frustration I have rarely experienced outside of interactions with cable-company customer-service representatives, I think I have an idea. Barely.

Describing the fee disclosures of my adviser as opaque would be generous. The experience left me wondering whether someone even less savvy than me, a Wall Street Journal reporter, would be able to navigate this system, to ferret out the good information from the bad.

Getting nowhere

In most offices, I suspect that people try to stay up on sports or television to prime for water-cooler gossip. But at the Journal, I was growing increasingly ashamed of how little I knew about the workings of my own investments. So, I decided to research what fees I paid to invest with my financial-advisory company—one of the largest in the country.

All of my investments are in mutual funds or exchange-traded funds. Though I don't have a finance beat—I am an investigative reporter who specializes in data analysis and computer programming—I am still guided by the Journal's conflict-of-interest policy that aims to prevent conflicts between employees' investments and the subjects we may cover. So I don't do any individual-stock investing.

I assumed the fee information I was looking for would be readily available in the documents section of the company's website. Wrong. I did see a toll-free number for customer support, so I gave them a ring.

I told the man who answered that I wanted to find out what fees I pay.



GARY HOLAND

In retrospect, this was a little like asking your spouse how much divorce lawyers cost. As he began to fret, I assured him that no, I wasn't unhappy, just curious.

There is a \$125 annual flat fee, he told me.

Alarm bells went off. That's it? I asked. That can't be it. I assumed there was a percentage charge on my investments.

He laughed. We'd love to charge that, he said. But no, \$125.

Was that the *only* fee, I asked? I was increasingly dubious.

Well, he said, each fund in which you're invested has internal fees.

How did I find those?

And so began our journey into the bowels of the investment firm's website. He suggested I click on various pages, only to discover that no, the fees weren't listed there. By the time he suggested that I go to Yahoo Finance and look up various funds to find out about their fees there, I

knew I'd had enough.

Twenty minutes into the call, I said I had to go.

I hope this has been helpful, he told me. I assured him: It wasn't.

I went back to my desk to seethe. There is a local financial adviser at the firm whom I meet with periodically for account reviews, and I decided to shoot him an email asking how I could find out all the fees I pay, and where these were documented. I also wrote an email to a colleague with the subject line, "MAY PULL HAIR OUT."

An answer of sorts

But apparently my irritation set the company on alert that we had entered the breakup danger zone. The man I had spoken with left me two voice mails promising that he had the information. I conceded to returning their calls after I received a third from his supervisor suggesting that, really, he could help me.

The man I spoke with this time proceeded to tell me the opposite of what the previous adviser had told me. No, there was no annual \$125 fee. That was only for people investing in individual stocks. My portfolio had an annual fee of 0.85% of assets, deducted quarterly.

So what about these internal fees? He said those ranged from 0.4% to 0.8% of assets annually.

Well, then, what was my actual number? He said that I was invested in the "moderate" risk basket, so the expense averaged to 0.55%. Fees would have been higher with more-aggressive investments, lower with conservative ones.

I thanked him and asked where I could see all this online.

He said that he wasn't sure, but that the information would be in whatever packet I received when I enrolled in the program.

I told him this document was either long gone or in the drawer

where old IKEA instructions go to die. He said I could always try looking up the individual fees on Morningstar's website.

I thought that this was about as much as I could stomach of the fee-finding quest. I finally had an answer to what fees I paid, even if I remained in the dark about where they were documented. But about that time, I received a response from the adviser who normally schedules my portfolio reviews.

He also cited me the 0.85% number. And he said the internal expense fees were "around 0.5%."

I wrote him back and told him that I had finally spoken with someone who gave me the right answer, and that the number was 0.55%.

He called me, alarmed. It's actually 0.5%, he told me.

Well, the other guy told me 0.55%, I said.

No, he told me, you're in an account with "moderately conservative" risk, and the figure is 0.5%.

The other guy told me I was in the "moderate" account, I said.

Pause. Oh yes, as it turns out, you are in the moderate account, he said.

The 0.55% was correct. My combined fee was 1.4%.

And as for those documents?

"I am trying to find a client approved document that provides you with the internal expenses on the portfolio you are invested in," my adviser wrote.

I am still waiting.

* * *

A spokeswoman for Ms. Fuller's investment-management firm later said she was sorry the reporter had a bad experience. She provided instructions and documents with further information on fees—but no documentation of Ms. Fuller's internal fund fees—and said the firm updated its statements in recent months to more clearly detail fees paid.

Ms. Fuller is a reporter for The Wall Street Journal in New York. Email her at andrea.fuller@wsj.com.

JOURNAL REPORT | INVESTING IN FUNDS & ETFS

6 Questions for Bond Investors

Continued from the prior page

investors might consider putting money into a high-yielding, federally insured bank savings account, says Bankrate.com chief financial analyst Greg McBride. Such accounts are offered by virtual institutions that are courting depositors. Two such banks, Goldman Sachs Group Inc.'s GS Bank and the CIT Bank unit of CIT Group, are advertising rates above 1%.

3. Which bonds offer some protection against rising rates?

One way to diversify against U.S. rate risk is with bonds issued in other countries whose rate cycles aren't in sync with that in the U.S. Raman Srivastava, managing director for global fixed income at Standish Mellon Asset Management Co., cites emerging-markets bonds as among "the more compelling opportunities" after investors fled such bonds several years ago. Yields can top 5%, offering a bigger offset to the impact of rising yields.

Moving lower on the U.S. credit ladder is another solution. High-yield bonds (or junk bonds) issued by companies with weaker credit ratings can yield more than 6%.

But be cautious about loading up on such securities to the exclusion of higher-quality bonds. While higher-yielding bonds are less vulnerable to rising yields, they are very sensitive to worries about defaults and can be volatile, notes Scott Kimball, portfolio manager of BMO TCH Core Plus Bond Fund (BATCX). In 2015, he says, some high-yield bonds issued by energy companies plunged in price during the oil-market swoon.

4. How can investors lock in better income as rates rise?

Traditionally investors did that by building a ladder of bonds having sequential maturities. As the nearest matured, the proceeds were reinvested in a new bond due to mature several years later, when the investor hoped to reinvest at an even higher yield.

Alternatively, an investor could build a ladder with defined-maturity bond ETFs, says David Berman, chief

executive of Baltimore-based wealth manager Berman McAleer. Unlike conventional bond ETFs, which periodically buy new bonds to replace maturing ones, defined-maturity ETFs own bonds with closely bunched maturities. After all the bonds mature, the ETF repays principal and interest.

Mr. Berman uses Guggenheim BulletpointShares ETFs, which are available in either investment-grade or high-yield corporate versions. BlackRock's iShares unit offers defined-maturity ETFs that own taxable corporate bonds or tax-exempt municipal bonds.

5. What are the alternatives to fixed-rate bond funds?

Floating-rate funds—sometimes called senior-loan or bank-loan funds—can be a good defensive play when rates are rising.

Such funds own loans made by banks to companies with lower credit ratings and yield 4% or more. The rates on the loans periodically adjust up or down, based on changes in a benchmark index such as the London interbank offered rate, or Libor, so a fund's yield moves higher as rates rise.

One concern is that surging demand for such funds is enabling companies now to get much more lenient borrowing terms, says Frank Ossino, who oversees Virtus Senior Floating Rate Fund (PSFRX) at Newfleet Asset Management, in Hartford, Conn. Mr. Ossino cautions that another downturn eventually could spark defaults on lower-grade loans, denting a fund's returns. Funds that yield more than peers may own a larger percentage of such loans, he says.

Among senior loan funds that Morningstar rates highly are Eaton Vance Floating-Rate (EVBLX), Lord Abbett Floating Rate (LFRAX) and Fidelity Floating Rate High Income (FFRHX).

6. Are mutual funds or ETFs better at this point in the cycle?

Active managers can reposition a portfolio to trim rate risk, moving to bonds that are less rate-sensitive.



Fed Chairwoman Janet Yellen before she testified on Capitol Hill in February.

JOSHUA ROBERTS/REUTERS

Back From the Depths

The Federal Reserve's rate target compared with the 10-year Treasury yield, monthly data. Yields move opposite to the note's price.



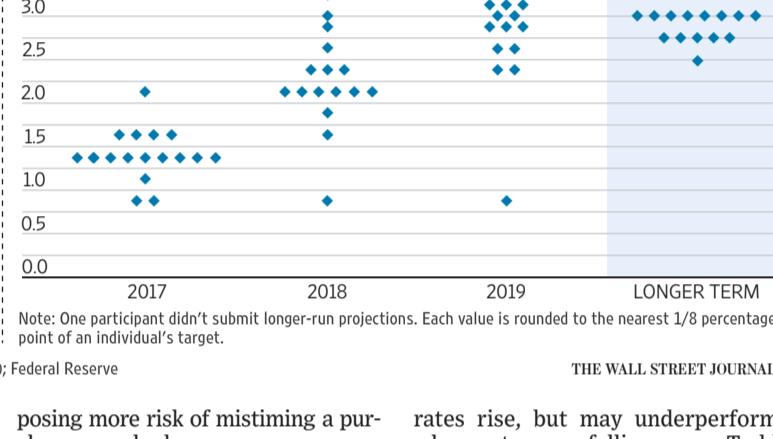
Sources: WSJ Market Data Group, Ryan ALM (bond yield); Federal Reserve

But ETFs may be a good choice because they charge much lower management fees—a benefit at times when bond returns are slim by historic standards.

Still, people who plan to buy an ETF need to understand what they are getting, says Josh Jalinski, an adviser in Toms River, N.J. ETFs that focus on certain narrower sectors, such as iShares 20+ Year Treasury Bond ETF (TLT), can be volatile,

'Dot Plot': Where the Fed Policy Makers Stand

This is the Federal Reserve Board's policy-path chart, nicknamed the Dot Plot. It shows how the Fed policy makers (17 of them including nonvoting members) envision the future path of policy and rates. Each diamond represents one Fed policy maker's view of an appropriate federal-funds target rate.



Note: One participant didn't submit longer-run projections. Each value is rounded to the nearest 1/8 percentage point of an individual's target.

THE WALL STREET JOURNAL.

posing more risk of mistiming a purchase or sale, he says.

Some ETFs hedge against rising rates. They include WisdomTree Barclays Interest Rate Hedged U.S. Aggregate Bond Fund (AGZD), which yields about 2%, and Deutsche X-trackers Investment Grade Bond Interest Rate Hedged ETF (IGIH), which recently yielded about 3 1/4%.

Hedged funds outperform when

rates rise, but may underperform when rates are falling, says Todd Rosenbluth, director of ETF and mutual-fund research at CFRA, a New York-based provider of investment research. "By hedging, you protect against something, but also you can miss something," he says.

Mr. Pollock is a writer in Ridgewood, N.J. He can be reached at reports@wsj.com.

HOW TO GET A STRAIGHT ANSWER ABOUT ADVISER FEES

BY MICHAEL WURSTHORN

Don't know how much you pay your financial adviser? Just ask, wealth-management experts say.

"The very least a financial adviser owes you is a transparent explanation of what's going on," says Terrance Odean, Rudd Family Foundation professor of finance at the University of California, Berkeley's Haas School of Business.

If an adviser offers a complicated explanation, several different figures or flat-out says, "I don't know," Dr. Odean and others say it is time to ditch him or her.

"Some may make it seem like rocket science. But it isn't. They're using complexity to confuse the consumer," Dr. Odean says. "If you're not getting straight answers you understand, go elsewhere."

Most investors don't know how much they are paying their financial adviser, with 60% of investors surveyed by J.D. Power & Associates last year saying as much. But brokerage firms, pushed by new regulations such as the Labor Department's fiduciary rule, are trying to change that.

Bank of America Corp.'s Merrill Lynch, for example, rolled out new monthly client statements earlier this year that more plainly state investment fees, including advisory fees, commissions on purchases of stocks and bonds, and charges related to using automated-teller machines.

Still, account statements can be lengthy, and experts say financial

advisers need to be ready to provide a simple explanation of how they are compensated. Here are some questions to ask:

1. How much do you charge me for advice?

Ask your financial adviser if you are charged an annual fee, usually split across each quarter of the year, or pay a commission for each transaction. These charges should also be available on clients' account statements under headings such as "fees and charges," or factored into the overall performance of a given investment.

2. Are there costs tied to individual investments?

Some mutual funds charge so-called 12b-1 fees for marketing or distribution, which are often equal to 0.25% of a fund's assets each year, but can be as much as 1%. Unlike commissions, 12b-1 fees don't appear on transaction confirmations or client account statements.

Again, your financial adviser should be willing and able to explain any underlying investment costs. But investors can also rely on research firm Morningstar or the Financial Industry Regulatory Authority's website (finra.org/fundanalyzer) to determine those costs. Investors in fee-based accounts should also ensure that any 12b-1 fees are rebated against their annual fee; otherwise, the adviser may be getting paid twice for the same investment, Dr. Odean says.

12b-1 fee or offer mutual-fund shares without it.

3. In a managed account, are there any extra costs?

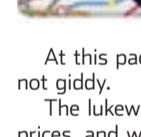
More financial advisers are encouraging their clients to put their money in managed accounts—personalized portfolios of stocks and bonds chosen by a money manager. Such accounts are usually charged a fee by the brokerage firm, similar to your run-of-the-mill fee-based account. But they also tend to come with an added fee of as much as 0.5% charged by the investment firm managing the account. At Morgan Stanley and Merrill, those fees, together with what the brokerage firm charges, could push annual costs as high as 2.5% of the portfolio's value.

4. What other services do you provide?

If your adviser has simply put you in a diversified portfolio while charging a fee of as much as 1.5%, be sure to ask if he or she is providing any other services, such as tax or estate planning. After all, advisers earn their fee regardless of how those investments perform. And there are cheaper alternatives for simple asset allocation, such as robo advisers. "An adviser charging that much should be providing more than just a suggested portfolio," Dr. Odean says.

Mr. Wursthorn is a Wall Street Journal reporter in New York. Email him at michael.wursthorn@wsj.com.

MONTHLY MONITOR | WILLIAM POWER



Steady Gains: U.S.-Stock Funds Rose 1% in the Month, Push This Year's Gain to 5.9%

At this pace, mutual-fund investors are going to feel fine about 2017, though not giddy.

The lukewarm economic expansion continues to boost both stock and bond prices, and with them, U.S.-stock funds and bond funds. In April, U.S.-stock funds registered a total return of 1%, according to Thomson Reuters Lipper data. That has left stock funds sitting on a 5.9% year-to-date return through April.

They aren't dot-commania numbers, but steady enough. For all of 2016, in comparison, stock funds gained 10.8%.

Omar Aguilar, chief investment officer for equities at Charles Schwab Investment Management, says Friday's "pretty good" jobs report was the latest sign that the "overall global economic recovery seems to be pretty stable. The U.S. seems to be on the path to slowly but surely growing."

Investors also continued to warm to international-stock funds in April, as nervousness about political developments in the U.K., France and the Netherlands seemed to recede. Such funds, which meandered to only a 0.7% average gain last year, perked up in April with a 2.9% advance—putting their year-to-date rise at 11.1%.

The combination through the end of April of stable commodities, a weaker dollar, economic recoveries in developed markets and a rotation toward growth assets helped investors feel comfortable, says Mr. Aguilar. "We saw a lot of interest by our clients in our international products" in April, he says.

However, May has started out a bit differently for commodities, he notes. Prices are down, and there is a pickup in the dollar (a seesaw relation that reporter Simon Constable writes about in today's report, on page R6).

Bond funds also rose modestly in April, though investors are keeping a wary eye on the Federal Reserve. The Fed has left the door open for an interest-rate increase as soon as June. Funds focused on intermediate-maturity, investment-grade debt, the most commonly held type of bond fund, were up 0.8% for the month, and up 1.7% year-to-date.

Mr. Power is a Wall Street Journal news editor in South Brunswick, N.J. Email him at william.power@wsj.com.



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2016 U.S. Fixed-Income Fund Manager of the Year¹

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Average Annual Total Returns as of 03/31/2017		1-year	3-year	5-year	10-year	Life of Fund Since 10/15/2002	Expense Ratio 0.45%
Fidelity® Total Bond Fund		3.90%	3.33%	3.28%	4.88%	5.03%	
Bloomberg Barclays U.S. Aggregate Bond	0.44%	2.68%	2.34%	4.27%	4.32%		
Intermediate-Term Bond Category Average	1.74%	2.41%	2.52%	4.06%	4.03%		

Performance data shown represents past performance and is no guarantee of future results. Investment return and principal value will fluctuate, so investors may have a gain or loss when shares are sold. Current performance may be higher or lower than what is quoted, and investors should visit Fidelity.com/performance for most recent month-end performance.

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Past performance is no guarantee of future results.

Total returns are historical and include change in share value and reinvestment of dividends and capital gains, if any. Life-of-fund figures are reported as of the commencement date to the period indicated. As of 03/31/17, Fidelity Total Bond Fund outperformed the Bloomberg Barclays U.S. Aggregate Bond Index and the Morningstar Intermediate-Term Bond category average over the 1-year, 3-year, 5-year, 10-year, and life-of-fund periods.

In general, the bond market is volatile, and fixed income securities carry interest rate risk. (As interest rates rise, bond prices usually fall, and vice versa. This effect is usually more pronounced for longer-term securities.) Fixed income securities also carry inflation risk, liquidity risk, call risk, and credit and default risks for both issuers and counterparties. Lower-quality fixed income securities involve greater risk of default or price changes due to potential changes in the credit quality of the issuer. Unlike individual bonds, most bond funds do not have a maturity date, so holding them until maturity to avoid losses caused by price volatility is not possible.

Expense ratio is the total annual fund operating expense ratio from the fund's most recent prospectus.

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JOURNAL REPORT | INVESTING IN FUNDS & ETFS

NEED TO KNOW

Don't Give Up on Stock Buybacks, At Least Not Yet

The programs are no longer a sure thing—but there's still an effect on value stocks

BY MARK HULBERT

STOCK BUYBACKS are no longer considered an unambiguously good thing, for companies or investors. But investors might still be able to profit from them.

As recently as the 1990s, the market typically celebrated a company's announcement that it would be repurchasing its shares in the open market. Numerous studies found that not only would the stock of the average company jump on the announcement of a buyback program, it also would continue to outperform the market for several years.

Today, in contrast, the announcement of a buyback program is often met with cynicism if not outright criticism. Many believe that such programs have become little more than short-term financial engineering that sacrifices a company's long-term growth.

Recent studies have found that the stock of the average company engaged in repurchasing its shares performs no differently than the overall market.

What changed? One big factor is that, starting about 15 years ago, the stock market became more efficient—leaving fewer shares mispriced—for several reasons, including the increasing influence of big, sophisticated institutional investors, more information disclosure by companies because of increased regulation, improved market liquidity due to a decline in trading costs, and an explosion in algorithmic trading, according to research conducted by Fangjian Fu and Sheng Huang, finance professors at Singapore Management University.

A more-efficient market leaves fewer opportunities for companies to buy back their shares at bargain prices with the goal of profiting from a rebound, so buybacks now tend to be done more for business reasons than purely market reasons, according to a study the professors published last year in the journal *Management Science*. That makes a jump in share price after a buyback less likely.

The net result of this and other factors, according to the study, is that on average companies have stopped experiencing any boost in the performance of their shares following the announcement of a buyback program. The data the published study was based on ended in 2012, but Dr. Fu says he has updated the study to include data through

IBM's \$3.5 Billion Stock Buyback Plan Adds to the \$10 Billion Already Spent

By BART ZIEGLER
Staff Reporter of THE WALL STREET JOURNAL
International Business Machines Corp. said it would buy back \$3.5 billion of its common stock, adding to the nearly \$10 billion the company has spent on share repurchases in less than two years.

Some observers questioned the costly practice and whether IBM stock is still a bargain, given that its nine-year shares cents, it's been bet the \$12.5 repurchase growth plug its stock.

"Is this on your cap 15 times?" said Michael Technol they could be.

said, "is what companies do when don't have investment alternatives." Bay Networks and Netscape have values of about \$1.6 billion each. Murphy said, While IBM would have a premium in a takeover, it can afford to do such."

Some observers questioned the costly practice and whether IBM stock is still a bargain, given that its nine-year shares cents, it's been bet the \$12.5 repurchase growth plug its stock.

"Is this on your cap 15 times?" said Michael Technol they could be.

Chrysler Doubles Buyback Of Its Shares to \$2 Billion

Board Apparently Moving To Placate Kerkorian; Iacocca Pact Is Rejected

Philip Morris Will Consider Stepping or 'More Aggressive'

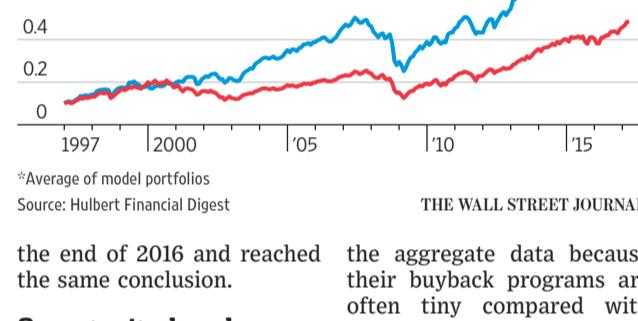
By EDEN SHAPIRO
Staff Reporter of THE WALL STREET JOURNAL
NEW YORK — Philip Morris Cos.' new CEO, William Murray, moved

GLORY DAYS Stock buybacks were all the rage, and big news, throughout the 1990s. Now, many investors scoff at them.

Still Beating the Market, 20 Years Later

Performance of the Buyback Letter versus the broad market (Wilshire 5000)

■ The Buyback Letter ■ Wilshire 5000



*Average of model portfolios

Source: Hulbert Financial Digest

THE WALL STREET JOURNAL

the end of 2016 and reached the same conclusion.

Opportunity knocks

But there is still the possibility that investors can exploit some repurchase announcements, according to Gustavo Grullon, a finance professor at Rice University. He says he has found from his research that among certain stocks the market continues to react favorably to a buyback announcement.

These are so-called value stocks—shares that trade below the level that would be expected given a company's revenue, sales and other financial data—especially those of companies with the smallest market capitalizations. Their performance after buyback announcements gets lost in

the aggregate data because their buyback programs are often tiny compared with those of the largest companies, Dr. Grullon says.

One reason these stocks are more likely to get a boost from buybacks is that the market for them is less efficient than the market for bigger stocks, Dr. Grullon says, in part because fewer sophisticated investors and Wall Street analysts follow the smaller companies. That leaves more room for significant price increases. And, Dr. Grullon adds, those increases tend to happen gradually because of that same inattention to these stocks, leaving time for investors to take advantage.

Another factor, he says, is that investors differentiate be-

Buyback Binge

Planned Stock Buybacks

May Exceed \$2.6 Billion

By DON CLARK
Staff Reporter of THE WALL STREET JOURNAL

While others boosted the number of shares to be bought back under existing plans, a dozen companies announced buybacks, nearly as many as in the preceding five-day period tracked by Securities Data Co.

"Clearly, there's been a lot of

Novell Posts Flat 4%

But Sales Rose 5%

By DON CLARK
Staff Reporter of THE WALL STREET JOURNAL

Novell Inc. posted flat fourth-quarter earnings but sales rose 5%.

Analysts say that's a positive sign.

Novell's sales rose 5% in the fourth quarter, while earnings were flat.

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JOURNAL REPORT | INVESTING IN FUNDS & ETFs

ASK ENCORE | GLENN RUFFENACH

The Pluses and Minuses of Retiring in a College Town

Also: Answering readers' questions on IRAs and health care when retiring abroad



A recent column addressed the idea of moving in retirement. To be more specific: What are the pros and cons of retiring in a college town?

The advantages, at first blush, are clear: a stimulating atmosphere, opportunities for continuing education, a diverse population, a stable economy (for the most part), and, frequently, lots of restaurants, shopping and cultural events. That said, not every college setting will give you the experience you may be seeking.

To start, there are two ways to do this: You can simply settle in the town itself, or you can move into a "university-based retirement community," or UBRC. That term—coined by Andrew Carle, an adjunct professor at George Mason University and chief operating officer at Affinity Living Group, a senior-housing company in Hickory, N.C.—describes real-estate developments that have some type of connection (formal or informal) with an academic institution.

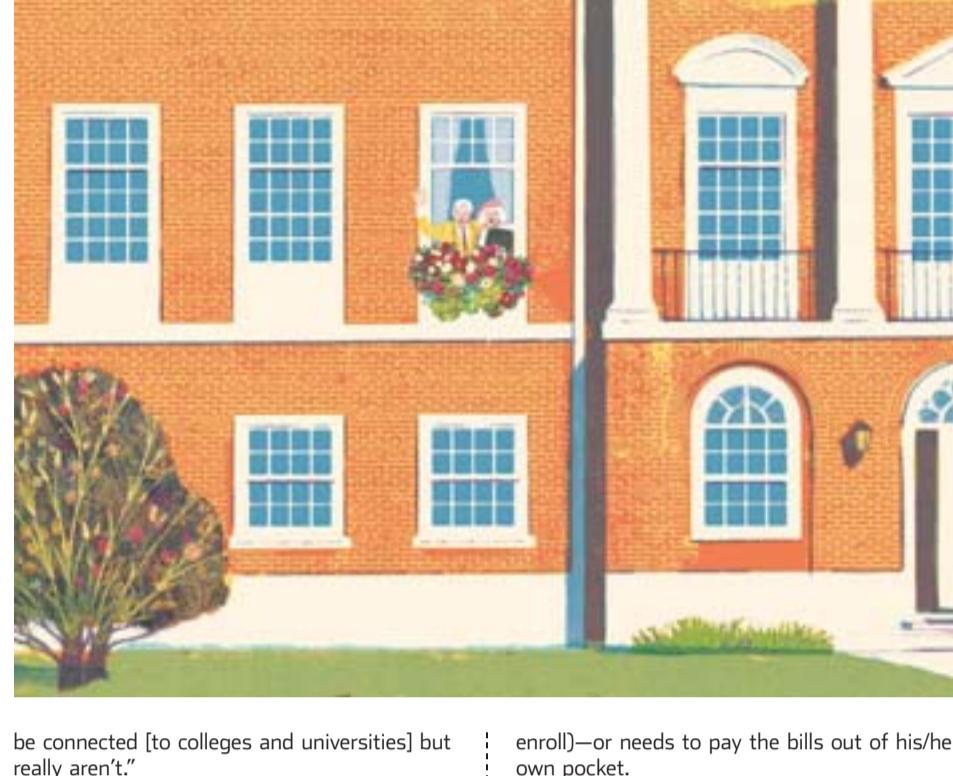
A good example: Kendal Corp. (kendal.org) in Kennett Square, Pa., whose popular retirement communities in eight states (primarily in the Northeast and Midwest) are closely integrated with lifelong-learning programs. Residents—who typically live within walking distance or a short drive from a college campus—can audit classes, hear guest lecturers, and attend concerts, plays and athletic events.

If you're considering a move to a college town, keep the following in mind:

♦ **Open arms? Maybe not.** If continuing education is a primary reason for moving to a college town, research carefully just how much access you'll have to classes and services. With budgets tight these days at many schools, administrators might not be as welcoming to nontraditional students as in the past.

♦ **Not all UBRCs are created equal.** Along the same lines...there are no set criteria for a university-based retirement community. Some developments help provide access to classes, campus fitness centers, libraries, special events—the works. Others simply are situated near a college or university with no particular educational benefits. Says Mr. Carle: "There are many communities that claim to

Mr. Ruffenach is a former reporter and editor for The Wall Street Journal. His column examines financial issues for those thinking about, planning and living their retirement. Send questions and comments to askencore@wsj.com.



SONA PULIDO

be connected [to colleges and universities] but really aren't."

♦ **Health care: a mixed bag.** On the plus side...settling in a college town offers, potentially, access to top-flight medical care. (For instance: the University of Michigan Medical Center in Ann Arbor.) That said, many retirees are attracted to *small* college settings. Here, it might be tougher to find specialists and the care you need.

Note: To get a feel for college towns, as well as some top UBRCs, check out two recent surveys by Bankrate.com, the personal-finance website. Search first for: top 10 college towns for retirees. And second: retirement communities university ties.

* * *

What happens when a person retires overseas and has an extended stay in a hospital and is physically unable to travel to the U.S. for medical treatment? What is the process for medical payment to that hospital?

In short, you're on your own.

Medicare (with limited exceptions) doesn't work outside the U.S. As such, a retiree living overseas needs to have personal insurance, or needs to enroll in a national health plan (if his/her country of residence allows retirees to

enroll)—or needs to pay the bills out of his/her own pocket.

We recently received a similar question: "Should I drop Medicare if I plan to retire and live overseas?" It is possible to drop (or "dis-enroll" from) Medicare and the premiums that come with it. But it's risky to do so. Such coverage can be a nice safety net. And if you drop Medicare but end up returning to the U.S. to live, you likely will pay a stiff penalty to re-enroll.

* * *

My father died in 2000, and my mother inherited his individual retirement account. My mother passed in August 2016, and I inherited a share of this IRA. Going forward, how do I calculate my required minimum distribution? Is the figure based on my life expectancy? And am I the "successor beneficiary" or the "beneficiary"?

You probably are a beneficiary, as opposed to a successor beneficiary—and that's an important distinction. But before we discuss distributions, we have to nail down a few essentials.

First, we'll assume that after your father died, your mother did a "spousal rollover," a direct transfer from a deceased spouse's IRA

to a surviving spouse's IRA. (That's what normally happens.) At that point, the original IRA is considered to be your mother's IRA, as if she contributed all the funds, says Ed Slott, an IRA expert in Rockville Centre, N.Y. So, technically—even though your mother inherited the account—she isn't considered a beneficiary; rather, she is the IRA owner. And that would make you (and any siblings) a beneficiary, not a "successor beneficiary."

Second, we'll also assume that you were named as a beneficiary on your mother's IRA beneficiary form and that you didn't inherit the account through your mother's estate. If your name appeared on the form, you can stretch distributions from an inherited IRA over your lifetime, Mr. Slott notes.

Third, we'll assume that you set up a properly titled inherited IRA for your share (your mother's name should remain on the account, and the title should indicate that the account is in an inherited IRA) and that the funds were transferred *directly* from your mother's account to the inherited IRA. (If you simply withdrew your share from your mother's IRA, that's a taxable event.)

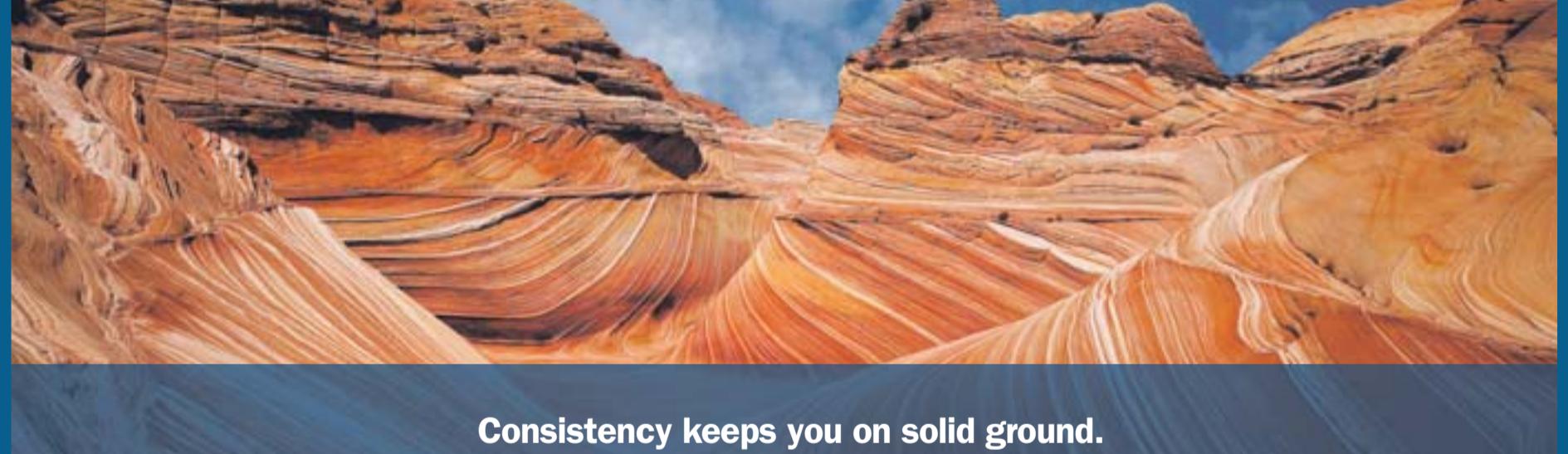
So...if all that is correct...yes, you will use your life expectancy to calculate your required distribution. Go to Internal Revenue Service Publication 590-B, "Distributions from Individual Retirement Arrangements," and, in Appendix B, see the "Single Life Expectancy" table (Table 1). Find your age in the table and the adjacent life-expectancy figure. Divide the balance of your inherited IRA as of Dec. 31, 2016, by the life-expectancy figure to calculate your required distribution for 2017.

And if you find the math at all intimidating, most IRA custodians are happy to help you determine your RMD.

Again, all of the above is based on the assumption that your mother did, in fact, do a "spousal rollover" when your father died. But your mother wasn't required to do so, Mr. Slott notes. She could have opted to remain a beneficiary of your father's account. And if she died as a beneficiary, you (and any siblings) are now a "successor beneficiary."

If that's the case, your RMDs depend on when your mother died, Mr. Slott explains. If she died before her deceased husband would have turned age 70½, then you and any siblings can use your own life expectancies to calculate your distributions. If your mother died after her deceased husband would have reached 70½, then you and any siblings must use your mother's remaining single-life expectancy.

I know: far too complicated.



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	Without sales charges	1-year	3-year	Since Inception
Class Z	9.94	4.59	4.40	
Class A	9.63	4.34	4.13	
With sales charge				
Class A (5.75% max. sales charge)	3.35	2.30	2.85	

Expense ratios: Class Z: Gross 1.03% | Net 1.00%
Class A: Gross 1.28% | Net 1.25%

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Investments selected using quantitative methods may perform differently from the market as a whole and may not enable the fund to achieve its objective. Market or other (e.g., interest rate) environments may adversely affect the liquidity of fund investments, negatively impacting their price. Generally, the less liquid the market at the time the fund sells a holding, the greater the risk of loss or decline of value to the fund price. Fixed-income securities present issuer default risk. Non-investment-grade (high-yield or junk) securities present greater price volatility and more risk to principal and income than higher rated securities. A rise in interest rates may result in a price decline of fixed-income instruments. (3) is not warranted to be accurate, complete or timely. Neither Morningstar nor its content providers are responsible for any damages or losses arising from any use of this information. For each fund with at least a three-year history, Morningstar calculates a Morningstar Rating™ used to rank the fund against other funds in the same category. Exchange-traded funds and open-ended mutual funds are considered a single population for comparative purposes. The top 10% of funds in each category receive 5 stars, the next 22.5% receive 4 stars, the next 35% receive 3 stars, the next 22.5% receive 2 stars and the bottom 10% receive 1 star. Each share class is counted as a fraction of one fund within this scale and rated separately. The Morningstar Rating™ for funds, Morningstar Rating™ for Portfolios and Morningstar Rating™ for Funds with a three-year history are calculated using three years of total return data. The Morningstar Rating™ for funds with a five-year history is calculated using five years of total return data. The Morningstar Rating™ for funds with a ten-year history is calculated using ten years of total return data. 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The Morningstar Rating™ for funds with less

JOURNAL REPORT | INVESTING IN FUNDS & ETFS

FUNDAMENTALS OF INVESTING



SPOTLIGHT | U.S. OIL FUND OIL ETFs DRAW THE BRAVE

When it comes to oil, there are plenty of investors who are eager to play the bounceback game with leveraged ETF products.

One futures-based ETF that has seen huge flows from investors, both out and in, is the \$2.8 billion **U.S. Oil Fund** (USO).

From early April to early May, had net outflows of \$36 million. Earlier this year, the ETF attracted huge flows. From Feb. 20 to March 20, USO took in \$230 million, according to Bloomberg data.

Todd Rosenbluth, director of ETF and mutual-fund research at CFRA, says: "Oil ETFs were highly volatile in April, but investors still like to bet on this space." He says leveraged ETFs will incur greater risks the longer they are held. But what is behind the bull case for oil?

Tamar Essner, head energy analyst at Nasdaq, says, "The single biggest factor underpinning the bull case for oil has been the OPEC cuts and the belief that this would meaningfully reduce global inventories and, critically, that the cuts would be extended for the second half of the year." And that can change at a moment's notice.

Investors can probably continue to expect high short-term volatility in oil ETFs for the rest of 2017.

—Tanzel Akhtar

In Commodity Investing, Currencies Call the Tune



NATE KITCH

The dollar is an indicator of where commodities prices might be headed—usually the other way

BY SIMON CONSTABLE

INVESTORS WHO want to make money trading commodities would do well to become experts in forecasting currencies.

That's because changes in the value of the U.S. dollar tend to be accompanied by movements in the opposite direction in the prices for most of the materials and foodstuffs traded on global markets.

Some commodities had an even closer relationship to moves in the dollar. Unleaded gasoline, crude oil and heating oil all had negative correlations above 0.8.

Of course, correlation doesn't necessarily mean causation. But in this case, there is an element of causation.

"All commodities are priced

ignored. For the 10 years through the end of March, the prices of commodities on average show a negative correlation to the dollar's value of more than 0.5, according to an analysis from S&P Dow Jones Indices. In other words, the two move in opposite directions more often than not. (A negative correlation of 1.0 would mean the two always move in opposite directions.)

Some commodities had an even closer relationship to moves in the dollar. Unleaded gasoline, crude oil and heating oil all had negative correlations above 0.8.

How do you forecast? A standard joke on Wall Street is that some economists can't forecast past events with any accuracy. But accuracy, in

in dollars," notes Steve Hanke, professor of applied economics at Johns Hopkins University. "That's why the dollar is so important—if the nominal value of the dollar moves around, then the nominal prices of the commodities have to move around." Other factors can temper or amplify the effect of the dollar's movements, but the dollar will always have some influence on commodities prices.

Which way next?

The trick then for investors is to work out which way the dollar is going.

How do you forecast? A standard joke on Wall Street is that some economists can't forecast past events with any accuracy. But accuracy, in

terms of the extent of any movements in the dollar, isn't the most important thing in this case. The crucial thing is getting the direction right. If the forecast is for the dollar to weaken, and that forecast proves correct, then investors can have some comfort that the prices of commodities are likely to increase on average.

The easiest way for individual investors to figure out the dollar's direction is to see if their bank publishes exchange-rate forecasts. Such forecasts typically will predict the value of the dollar against currencies including the euro, yen and pound.

Dollar/euro test

To keep things simple, investors may want to focus on just one important exchange rate: the dollar versus the euro. "Most of the time if the dollar is strong against the euro it's because the dollar is strong against all currencies," says William Adams, senior international economist at PNC Financial Services in Pittsburgh.

For those who want to supplement a dollar-euro forecast with some of their own research, the key is what happens in the two economies.

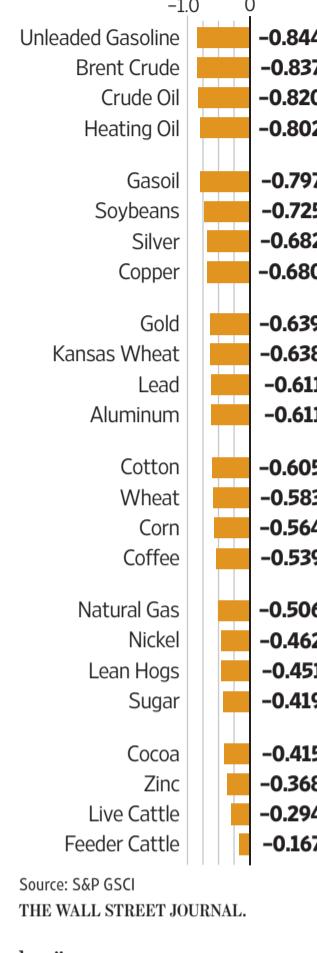
"The outlook for economic growth and inflation is what causes central banks to make the decisions they make, and they fuel a lot of the movements in exchange rates," says Mr. Adams.

When an economy is growing fast and inflation is rising, central banks such as the Federal Reserve and the European Central Bank tend to raise the cost of borrowing money. Higher interest rates, in turn, tend to boost a currency's value by making securities denominated in the currency more attractive to investors.

"Our forecast is that the dollar, which is already quite strong, will get even stronger," says Mr. Adams. "It's a mix of a tighter U.S. job market plus accelerating wage growth and expectations of fiscal stimu-

Pushed Around

The dollar's rise has usually been associated with a decline in the price of several commodities over the past 10 years. The impact as measured by negative correlation:



Source: S&P GSCI
THE WALL STREET JOURNAL.

lus."

The U.S. economy has recovered faster than that of the eurozone. As a result, it's likely that the Federal Reserve will raise the cost of borrowing faster than the European Central Bank and so propel the dollar higher against the euro.

Clearly, though, that situation won't always be true, so commodity investors will need to keep a watchful eye on economic data from Europe and the U.S.

Mr. Constable is a writer in New York. He can be reached at reports@wsj.com.

INVESTING SOCIAL SECURITY ASSETS IN STOCKS?

Readers weigh in on the debate over putting some of the trust fund in the market

Should the Social Security trust fund, which needs help, be allowed to invest in stocks?

The debate stirs passions, and in April, two experts argued the case for each side in the Investing in Funds & ETFs report. Alicia H. Munnell, director of the Center for Retirement Research at Boston College, and co-author of a paper on the subject, argued that it would reduce the need for benefit cuts or tax increases. Michael D. Tanner of the Cato Institute countered that the government should stay out of stocks.

Both sides agree on one thing: The fund needs shoring up. But experts have long disagreed on the stocks idea (which is separate from the "privatization" idea of letting citizens themselves do the investing).

After the debate was published in April, readers weighed in energetically, as well. Here are edited excerpts of some of the responses:

* * *

Clearly the answer is yes. 95% of an investment's return is based on the diversity of the investment portfolio. Sovereign wealth funds know this. Why doesn't our government? Place 25-30% of assets into a passive index fund. End of story.

—Scott Smart

* * *

Social Security is tough enough. So, let's now invest it in a crapshoot. So, let's take a bad system and make it really scary.

—Dennis Vidmar

* * *

No! No because bureaucrats wouldn't be able to put together a portfolio that would take into account the many risks in the stock market!

—Peter Casula Jr.

* * *

The risk of retirement should be a collective risk so that no one has to worry about a decent life. That doesn't take much.

And yes, invest in the stock market. Have a board, elected by the members, who hire professionals. They invest the Social Security dollars.

—Neal Fishman

* * *

We could start by having the Social Security money invested in real bonds rather than IOUs that are given prevailing interest rates.

—Richard Tanksley

* * *

No, no, and no. It shouldn't be invested in stocks. That is a terrible idea.

Nice to see the photo [with the article]



UNDERWOOD ARCHIVES/GETTY IMAGES

President Franklin D. Roosevelt signing the Social Security bill in 1935.

from the signing of the bill in 1935. My great-grandfather was one of the authors of the bill, but unfortunately he isn't in that picture, as FDR sent him off to do something else.

—Rufus Smith

* * *

If a gradual allotment of a percentage of current Social Security taxes were invested in indexed funds such as Fidelity, T. Rowe Price or Vanguard over a period of 20 years, the unfunded liabilities would be eliminated.

Ms. Munnell's proposals give hope to alleviate a coming financial disaster.

—William W. Dornburgh

* * *

I prefer Tanner's option. Let the young make their own decisions and transition Social Security over the coming decades back to what it was intended to be, a safety net, an insurance policy, not a retirement-funding system.

—Edward Berry

* * *

The government should stop taking my money and pretending it knows better how to invest it than I do.

—Justin Murray

* * *

Increasing exposure to stocks is the only way mathematically for the problem to be resolved while avoiding new taxes or benefit cuts.

—Timothy James

Bringing in a huge new buyer of stocks into the market will increase the price of stocks without increasing returns. For all other investors, return on equity will drop. The only reason to do it is to make Congress's and the president's job easier. Why do that? Make them solve the problem and take the heat.

—Brian Sims

* * *

If the trust-fund authorities should ever decide to ask for public input [hal!] I would suggest allowing each citizen the choice of a percentage to be invested in the stock market. Most companies that have 401(k)s put a limit on the percentage to be invested.

—Bonnie Fitch

* * *

Excellent idea...with the market near all-time highs. I would imagine it's an excellent time to pitch this concept and the worst time ever to execute it.

—John Hawkins

* * *

ABSOLUTELY POSITIVELY NO. Remember 1929? Remember 2008? How soon we forget.

—John Sieminski

* * *

Of course Social Security should invest its money. There are plenty of sovereign wealth funds that prove that it's a great

idea, as well as state retirement funds.

—Jack Armstrong

* * *

It could become similar to a 401(k), where each person determines how his contributions are invested. Some 401(k)s allow a very wide range of stock, bond and fund alternatives. Why would anyone believe that Treasury bonds are low risk? Stock is ownership in something tangible, whereas government bonds are only backed up by the promises of politicians.

—Richard Hutchings

* * *

I couldn't agree more [with investing in stocks]. If I had been able to invest my Social Security contributions and my company's, as well, oh my, would I have been rich. The government is incapable of doing anything to earn a decent return on an investment. My zero return for 30-plus years is a typical government operation. What a waste of great assets.

—Sam Owens

* * *

The need is to focus on fixing the fundamental problem of Social Security. There are many ways to do this—cut benefits, raise taxes, change to something like a 401(k), etc. While I prefer the latter, we have to do something and this debate only diverts attention from the real problem. And I am terrified of any system where the government can dominate the financial markets.

—Peter Hutzel

* * *

Both sides of the debate advocate buying stocks, one way or another. American life is risky enough in just about every other respect. Protect and shore up Social Security, as is.

—Miles Dudley

* * *

The federal government is already picking common stocks. The Thrift Savings Plan for federal employees has a C Fund that mirrors the S&P 500. The rate of return since inception in 1988 is 10.16%. Why not expand this to a portion of Social Security receipts?

—Dale Brown

* * *

This debate is based on a fallacy. The Social Security trust fund has no liquid assets with which to buy equities.

—Anthony Hewitt

* * *

There is no "trust fund." It's a Ponzi scheme. Just end it.

—Willie Steinhausen

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Investment minimums and expenses are subject to change.

1. This claim is based on prospectus net expense ratio data comparisons between Schwab market cap index mutual funds (no minimum investment required) and ETFs and non-Schwab market cap index mutual funds and ETFs in their respective Lipper categories. Schwab operating expense ratios (OERs) reflect OERs as of 3/1/17. Competitor OERs obtained from prospectuses and Strategic Insight Simfund, as reflected on 1/31/2017.

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JOURNAL REPORT | INVESTING IN FUNDS & ETFS

PORTFOLIO STRATEGY

A Closer Look at a Popular Fund for Yield

Franklin Income Fund has been hard to judge, but now we can try to with ETFs

BY JOHN COUMARIANOS

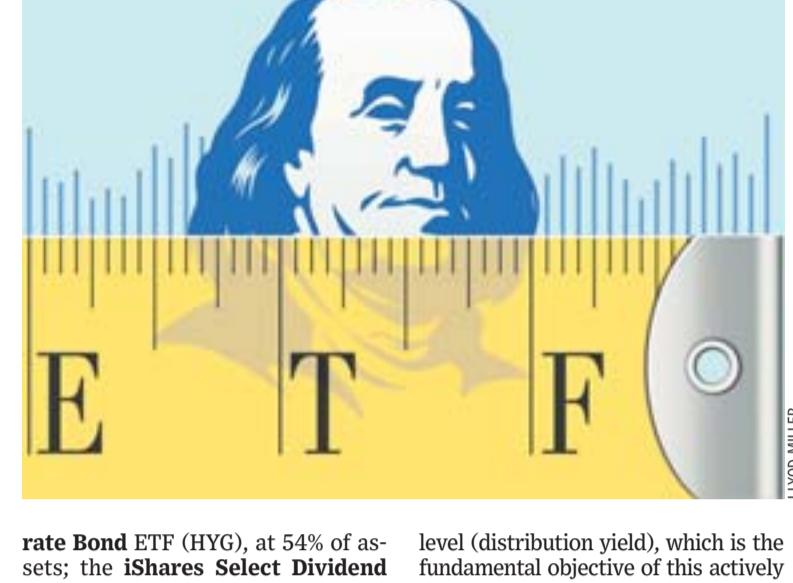
SOME MUTUAL FUNDS are harder to judge than others because they have no obvious benchmark to measure them against. But we found a way to evaluate the performance of one such fund, the \$80 billion **Franklin Income Fund** (FKINX), by creating a portfolio of exchange-traded funds to act as a benchmark.

The result: The Franklin fund falls short of the benchmark's returns.

The nearly 70-year-old Franklin Income fund hasn't had a clear benchmark for all those years because most of its investments are in five different asset classes—domestic and foreign dividend-paying stocks, investment-grade bonds, high-yield (or junk) bonds and convertible bonds—to generate current income and capital appreciation. The picture is even muddier because the asset mix can shift dramatically over time, and some of the convertibles can be "synthetic"—swaps that give the fund an enhanced yield on a common stock in exchange for forgoing some potential price appreciation but accepting all potential depreciation.

To judge the fund, we compared it with a portfolio of ETFs that mimics the long-term average of the fund's asset weightings. We lumped convertible bonds, synthetic or not, into the high-yield category and boosted the investment-grade corporate bond allocation slightly in lieu of the fund's holdings of small amounts of cash and miscellaneous securities.

Our portfolio consisted of the iShares iBoxx \$ High Yield Corporate



nualized return, according to data from fund researcher Morningstar.

A \$10,000 investment on Jan. 1, 2008, became \$16,355 in Franklin Income on March 31, 2017, and \$17,460 in the ETF portfolio, not including taxes for the fund or the ETFs.

Franklin Income dropped 31% in 2008 versus a 24% loss for the ETF portfolio, and 7.8% in 2015 versus a 4.5% loss for the ETF portfolio. But, despite those bigger calendar-year losses, Franklin Income's standard deviation of returns for the period—a measure of volatility—was 12.4% for the entire period versus 12.5% for the ETF portfolio.

While Franklin Income aims to deliver superior income, the total-return approach is valid because emphasizing income only can be myopic if principal is fluctuating.

Still, with data from Bloomberg, we managed to separate the fund's and the ETF portfolio's total returns from their price changes over the 37-quarter period, giving us the portion of the returns representing distributions. The fund delivered a 72% cumulative total return from distributions; for the ETFs, a 69% cumulative total return from distributions. Distributions include both income and capital gains (or losses), so they aren't a perfect measure of income. But one can infer that the income profiles of Franklin Income and the ETF portfolio are at least similar.

Looking at the fees

One reason Franklin Income's overall total return has underperformed the ETF portfolio is because of the fund's 0.61% expense ratio. The ETF portfolio would cost investors 0.45% annually.

However, that 0.16 percentage point difference doesn't account for all of the 0.76 percentage point difference in annualized return.

It would require some effort and discipline for investors to rebalance a four-fund portfolio annually. But Franklin Income has provided its parent with more than \$4 billion in revenue over the past decade, based on annual total net-asset statistics provided by Morningstar. Now that ETFs are available to track its underlying asset classes, investors can better gauge its performance.

Mr. Coumarianos, a former Morningstar analyst, is a writer in Laguna Niguel, Calif. He can be reached at reports@wsj.com.



SPOTLIGHT | iSHARES MSCI FRANCE ETF

FRENCH-STOCKS ETF WAS IN THE RIGHT SPOT

Dramatic events in recent weeks have had the world's attention riveted on France, but the performance of **BlackRock Inc.'s iShares MSCI France** (EWQ) exchange-traded fund rests on a much broader story: the direction of European and global economic growth.

The headlines generated as the French presidential election played out and terrorism flared again in Europe have at times shaken the \$381 million fund, the only U.S.-listed ETF focused on France. It may be briefly buoyed as centrist President-elect Emmanuel Macron prepares to take office. But over the longer term, it may draw greater support from the outlook for the European economy and the global markets that many of the fund's holdings operate in.

From the beginning of the European debt crisis at the end of 2009, investors have used the ETF—which along with the **iShares MSCI Germany** ETF (EWG) represents core exposure to the eurozone—to express their views on the ups and downs of the crisis, says Tushar Yadava, an investment strategist at iShares. Overall, the France fund has been buffeted; its assets have declined more than 40% from their peak of \$649 million in 2008.

As of this time last year, almost all of BlackRock's iShares European ETFs had year-to-date outflows, says Mr. Yadava. But as the eurozone's economy improved toward the end of last year and into this year, investors began dipping their toes back into the European market, he says.

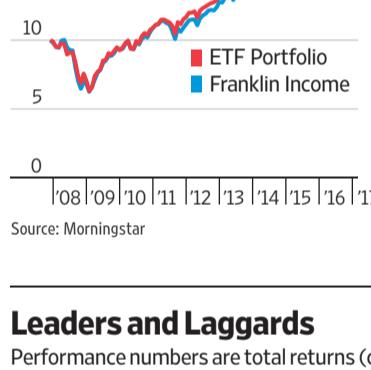
In 2017, through May 2, investors have committed a net \$37.3 million to the France ETF, according to FactSet.

The fund has gained 13.6% this year through April, edging out the iShares MSCI Eurozone ETF's (EZU) 13.4% gain, Morningstar says.

—Daisy Maxey

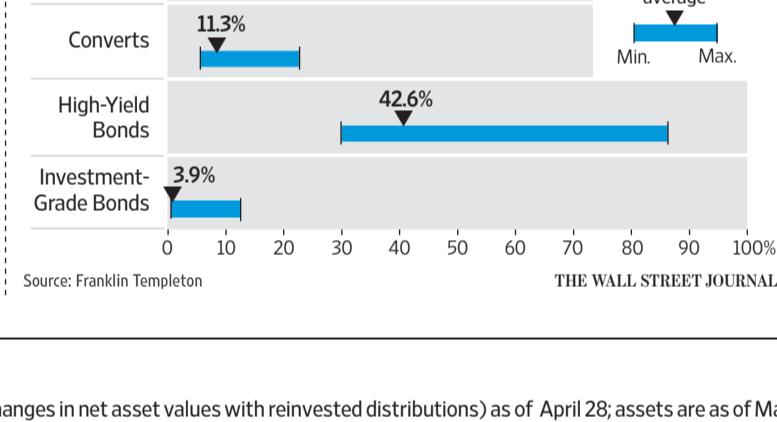
Judging Franklin

Franklin Income Fund compared with a portfolio of ETFs that mimics its long-term average asset-class weightings. Growth of \$10,000 monthly.



Historical Average Allocation

There have been many sources of yield for Franklin Income Fund.



Source: Franklin Templeton

THE WALL STREET JOURNAL.

Leaders and Laggards

Performance numbers are total returns (changes in net asset values with reinvested distributions) as of April 28; assets are as of March 31. All data are final.

Best-Performing Stock Funds

Fund	Ticker	Assets (\$ millions)	April	YTD	Total Return (%)	1-year	Annualized 3-year	5-year
Rex VolMAXX SWV Ftrs Str	VMIN	10.8	5.1	66.5	N.A.	N.A.	N.A.	
Direction:MSCI Ind Bull3X	INDL	96.3	5.0	66.4	56.3	6.5	-1.3	
Direction:S&P Btch Bl 3X	LABU	270.5	8.3	65.4	70.7	N.A.	N.A.	
Direction:CSI Ch Int Bl2X	CWEB	2.9	11.9	63.9	N.A.	N.A.	N.A.	
VelShs DlyInv VIX ST ETN	XIV	636.0	3.1	60.0	183.4	32.0	44.4	
ProShs II:ShVIX STF ETF	SVXY	486.8	3.0	59.4	181.0	31.3	43.5	
Direction:Hldrs&Sup Bl3X	NAIL	7.8	2.9	58.3	61.9	N.A.	N.A.	
Direction:S Korea Bull 3X	KORU	5.5	0.3	53.5	49.7	-9.3	N.A.	
ProShares:UltP QQQ	TQQQ	1,340.6	8.0	50.3	105.9	46.9	46.1	
Direction:S&P OG EP Br 3X	DRIP	23.0	19.4	47.4	-45.3	N.A.	N.A.	
Direction:MSCI EM Bull 3X	EDC	164.7	4.7	46.2	47.3	-10.1	-9.9	
VelShs VIX Short Vol Hdg	XIVH	50.6	1.6	44.6	N.A.	N.A.	N.A.	
Direction:Tech Bull 3X	TECL	254.5	5.7	41.9	110.9	43.5	36.4	
Direction:Latin Bull 3X	LBJ	17.5	-4.2	39.1	25.5	-32.5	-30.8	
Columbia:India Sm Cp ETF	SCIN	25.6	7.7	38.7	42.3	15.8	8.3	
Direction:FTSE EU Bull 3X	EURL	26.2	11.3	38.6	18.4	-13.9	N.A.	
VnEck Vctrs:India SC ETF	SCIF	231.4	8.3	38.1	43.5	18.0	5.7	
VelShs DlyInv VIX MT ETN	ZIV	92.3	5.8	38.0	65.6	16.8	32.2	
ProShares:UP Nasdaq Bio	UBIO	37.4	3.9	36.9	14.3	N.A.	N.A.	
UBS E-TRACS MR2xL ISE Hb	HOML	5.6	1.9	36.2	68.8	N.A.	N.A.	
ProShares:Ult MSCI MexCl	UMX	9.3	2.0	36.0	-13.1	-15.4	-9.0	
ProFunds:UltraChina;Inv	UGPIX	12.5	4.8	35.5	25.5	5.8	7.6	
iShares:MSCI Ind Sm-Cap	SMIN	106.3	6.6	35.0	43.6	23.5	14.5	
Direction:Semicnd Bull 3X	SOXL	234.8	-2.4	33.9	245.3	56.3	54.5	
Direction:China Bull 3X	YINN	129.2	-0.2	33.4	44.5	-2.22	-1.9	

Worst-Performing Stock Funds

Fund	Ticker	Assets (\$ millions)	April	YTD	Total Return (%)	1-year	Annualized 3-year	5-year
VelShs Dly 2x VIX ST ETN	TVIX	202.4	-12.7	-67.5	-96.7	-87.2	-88.4	
ProShs II:UltVIX STF ETF	UVXY	360.0	-12.8	-67.5	-96.6	-87.2	-88.4	
VelShs 3x Long Nat Gas	UGAZ	461.6	-1.0	-54.8	-25.1	-82.4	-62.3	
Direction:S&P Btch Br 3X	LABD	119.3	-9.8	-50.2	-78.4	N.A.	N.A.	
VelShs Dly 2x VIX MT ETN	TVIZ	1.8	-11.8	-49.9	-71.9	-49.7	-59.1	
Rex VolMAXX LVW Ftrs Str	VMAX	1.9	-10.5	-49.0	N.A.	N.A.	N.A.	
Direction:Jr Mnr Bear 3X	JDST	166.4	33.9	-44.1	-77.8	-83.4	N.A.	
Direction:S&P EG Bl3X	GUSH	118.6	-19.6	-43.2	-28.8	N.A.	N.A.	
Direction:Hldrs&Sup Br3X	CLAW	2.8	-3.9	-41.7	-55.0	N.A.	N.A.	
ProShs II:VIX STF Ult	VIXY	137.5	-5.4	-41.2	-77.3	-54.7	-57.3	
iPath ETN SP500 VIX ST A	VXX	989.4	-5.3	-41.2	-77.5	-54.7	-57.3	
VelShs VIX ShTm ETN	VIX	12.3	-5.3	-41.2	-77.5	-54.7	-57.3	
iPath Bloomberg NatGas A	GAZ	4.3	1.8	-37.7	26.2	-49.5	-27.7	
VelShs 3x Long Crude	UWT	408.3	-10.4	-36.1	N.A.	N.A.	N.A.	
VelShs 3x Long Crude ETN	UWTI	142.6	-10.4	-36.0	-45.7	-82.5	-68.5	
Direction:MSCI EM Bear 3X	EDZ	118.2	-5.4	-35.1	-51.3</td			

JOURNAL REPORT | INVESTING IN FUNDS & ETFS

SECTOR STRATEGY

Fund Investors Place Big Bets on Infrastructure

The payoff might be years away, and there are risks, but proponents see the trend on their side

BY BAILEY MCCANN

EMBOLDENED BY President Donald Trump's campaign promise of a \$1 trillion infrastructure-spending package, investors have plowed more than \$460 million into related U.S. mutual funds and exchange-traded funds so far this year, according to data from Morningstar Inc.

At the end of the first quarter, the amount sitting in such funds stood at \$16.1 billion, up 12% from a year earlier, though the euphoria has eased as the market begins to digest just how much stands in the way of an infrastructure package—from shifting priorities in the White House to opposition in Congress.

Still, those who focus on infrastructure investing say things are looking up, even if it takes a few years for Washington to deliver a big spending package.

"For a manager focused on industrials and materials, the environment is about as good as it has been in over a decade," says Tobias Welo, who manages the \$960 million **Fidelity Select Industrials Portfolio** (FCYIX) and the \$1.6 billion **Fidelity Select Materials Portfolio** (FSDPX). "We've seen the commodities recovery happening in Asia; U.S. residential and nonresidential construction has come back."

Blackstone buys in

The Fixing America's Surface Transportation (FAST) Act, passed by Congress and signed into law by President Barack Obama at the end of 2015, sets up the next five years of spending for federal transportation projects. Meanwhile, voters approved some \$200 billion of infrastructure-related ballot initiatives during November's election, Mr. Welo says, adding that such projects are as close to a slam dunk as a government-backed project can get.

So while Washington negotiates its spending plans, investors can position themselves to take advantage of these FAST Act-funded efforts, as well as those at the state and local level, the pros say.

Indeed, last month private-equity firm **Blackstone Group** LP announced that it was preparing to launch a unit that would invest in toll roads, bridges and other infrastructure projects.

The U.S. isn't the only country getting ready to write fat checks. Sectors associated with infrastructure have seen valuations creep up globally as

Ms. McCann is a writer in New York. She can be reached at reports@wsj.com.

IN TRANSLATION

NET INTEREST MARGIN

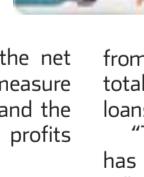
Recently, something good has been happening for banks and other lending institutions: The net interest margin has started to widen.

In simple terms, the net interest margin is a measure of bank profitability, and the wider it is, the more profits there are to be had.

More precisely, it is a measure of the difference between what a bank pays to get deposits or other funds, and what it charges to lend money. A bank usually bases what it charges borrowers on long-term interest rates, while the interest it pays to get funds is based on short-term rates.

The margin for all U.S. banks is 3.05 percentage points, up from 2.95 points at the beginning of 2015, according to the Federal Reserve Bank of St. Louis. From the first quarter of 2010 through the first quarter of 2015, the margin had steadily fallen.

The recent increase might



not sound like much of a difference, but with \$2.1 trillion of commercial and industrial bank loans outstanding, the increase in profits from the change is big. (That total doesn't count personal loans.)

"The movement in yields has been a re-estimation of inflation expectations for the bond market," says Stephen Wood, chief market strategist at Russell Investments in New York. What that means is that fixed-income investors expect inflation to rise, so they are demanding higher yields on longer-term bonds.

That's part of the story. The rest of the story is that rates for shorter-term bonds have risen, too, but not as much. Hence, the widening of margins.

If inflation expectations rise further, then it is likely that net interest margins will widen further also, benefiting bank profitability.

—Simon Constable



Construction crews working on a new highway overpass in Indiana in 2014.

governments seek to expand airports, bridges and road in response to growing populations. Many infrastructure ETFs are constructed with this global view in mind, says Brandon Rakiszawski, a New York-based product manager at Van Eck Global who oversees the firm's hard-assets ETF product lines.

"Most infrastructure ETFs are global in nature, so investors need to realize that if they are choosing that option for their portfolios, they may only be getting 40% or so U.S.-specific names," Mr. Rakiszawski says. Taking a global approach can help diversify a portfolio, he says.

Beyond geography, the key to succeeding in this sector is knowing what it means to you, says Mr. Rakiszawski.

"It is important for investors to decide what they see as infrastructure—is it energy, transportation, utilities, or some combination of those?" he asks. "Once they decide, they can start to target more specific exposures and products that are going to give them what they want."

As investors weigh specific subsectors, they need to be mindful of risk.

If you invest in engineering and construction companies, for example, "you need to factor in a certain amount of commodities risk," because many of the companies also are heavily tied to volatile oil-and-gas or mining-related capital spending, says Andrew J. Wittmann, a Milwaukee-based senior analyst at Robert W. Baird & Co, which manages \$171 billion in assets.

Another red flag is turnover within mutual funds and ETFs.

Infrastructure projects are large and slow-moving. Once contracts are awarded for projects, it's relatively easy to forecast what the next three to five years will look like. Tayfun Icten, a Chicago-based analyst with Morningstar, says a high level of turnover within a fund could signal a manager or strategy that isn't operating with conviction.

"Investors in infrastructure mutual funds need to be clear about what types of opportunities they are getting access to," Mr. Icten says.

Fewer defaults?

John Miller, co-head of fixed income and head of the

municipal-bond investing team at Nuveen Asset Management

in Chicago, says the muni market is showing signs of recovery and default risk is lower.

"Investors who have been skewed toward short duration and high quality can benefit

LUKE SHARRETT/BLOOMBERG NEWS



Asma Usmani, CFA, CFP®
Senior Portfolio Manager
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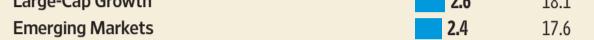
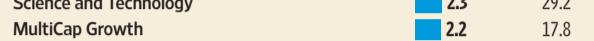
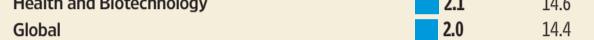
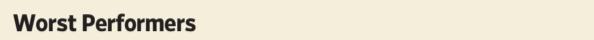
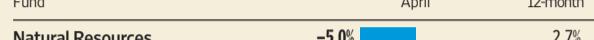
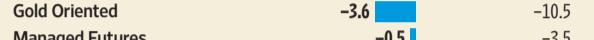
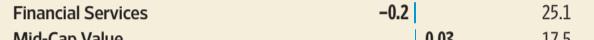
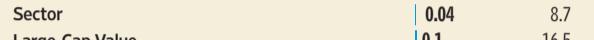
Category Kings in 22 Realms Data provided by LIPPER 

Top-performing funds in each category, ranked by year-to-date total returns (changes in net asset values with reinvested distributions) as of April 28; assets are as of March 31. All performance numbers are final.

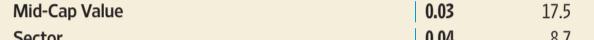
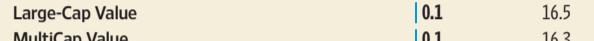
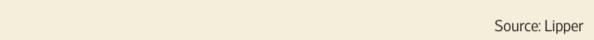
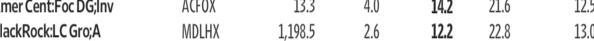
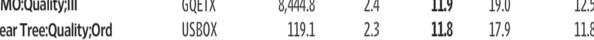
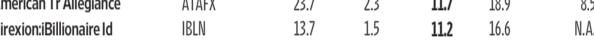
Best and Worst

Total return for the best- and worst-performing stock, bond and mixed mutual-fund categories; for period ended April 30; ranked by monthly returns.

Best Performers

Fund	April	12-month
European Region	 4.0%	12.2%
International Stock	 2.9	11.8
Large-Cap Growth	 2.6	18.1
Emerging Markets	 2.4	17.6
Science and Technology	 2.3	29.2
MultiCap Growth	 2.2	17.8
Health and Biotechnology	 2.1	14.6
Global	 2.0	14.4

Worst Performers

Fund	April	12-month
Natural Resources	 -5.0%	2.7%
Gold Oriented	 -3.6	-10.5
Managed Futures	 -0.5	-3.5
Financial Services	 -0.2	25.1
Mid-Cap Value	 0.03	17.5
Sector	 0.04	8.7
Large-Cap Value	 0.1	16.5
MultiCap Value	 0.1	16.3

Source: Lipper

Large-Cap Core

Symbol	Assets (\$ millions)	April	YTD	Total return (%)	1-yr	5-yr*
Amer Cent:FdgInv	AFCOX	13.3	4.0	14.2	21.6	12.5
BlackRock:LC GrdA	MDLHX	1,198.5	2.6	12.2	22.8	13.0
GMO:Quality:Ill	GQETX	8,444.8	2.4	11.9	19.0	12.5
Pear Tree:Quality:Ord	USBOX	119.1	2.3	11.8	17.9	11.8
American Tr Allegiance	ATAFX	23.7	2.3	11.7	18.9	8.5
Direxion:Billionaire:Id	IBLN	13.7	1.5	11.2	16.6	N.A.
Indep Franch Prtnrs USEq	IFPUX	1,790.1	0.6	10.5	19.0	13.4
iPath ETN:LgEx S&P	SFLA	2.0	1.4	10.4	27.1	24.1
Goldman:Hdg Indus VIP	GVIP	29.6	2.3	10.3	N.A.	N.A.
Frst Tr:Capital Strength	FTCS	371.0	2.7	10.2	15.4	14.6
Category Average:		925.7	1.0	6.7	16.3	12.15
Fund Count		874.0	906	874	834	679

Multicap Core

Symbol	Assets (\$ millions)	April	YTD	Total return (%)	1-yr	5-yr*
Upright Growth Fund	UPUPX	13.2	-3.5	15.7	13.7	13.1
TCW:New America Prm EqI	TGUSX	9.9	3.2	14.9	25.5	N.A.
Schwab Cap:Lg Cap Gro	SWLNX	231.2	2.0	11.5	19.6	12.6
Manning:Napier:PB Max:S	EXHAX	699.1	2.6	11.2	12.0	9.2
USA MUTUALS:Vice:Inv	VICEX	230.5	3.5	11.0	16.2	11.8
Thornburg Value:A	TVAFX	909.1	2.9	10.9	20.9	13.58
First Eagle:Fd Amer:I	FEAIX	2,291.6	2.8	10.6	14.0	N.A.
SPDR MFS Sys Gro Eqty	SYG	23.9	1.2	10.5	17.1	N.A.
Gbl X Millennia:Thmtc	MILN	4.1	4.1	10.3	N.A.	N.A.
Aspiration Redwood	REDWX	15.5	0.8	10.2	29.5	N.A.
Category Average:		1,392.0	1.0	6.5	16.5	11.95
Fund Count		755.0	810	805	759	580

Midcap Core

Symbol	Assets (\$ millions)	April	YTD	Total return (%)	1-yr	5-yr*
CB Select:IS	LCSSX	16.1	2.2	14.8	26.1	N.A.
Guggenheim Insider Snt ETF	NFO	69.2	2.8	11.3	17.5	11.3
I3D Activist:I	DDIX	267.6	3.8	10.1	25.2	14.9
Tarkio	TARKX	64.5	3.5	9.2	34.5	15.3
Private Cap Mgmt Value:I	VFPIX	76.7	1.8	9.0	21.5	10.9
Guggenheim MCCore:ETF	CZA	163.1	1.2	8.3	20.1	13.75
Aberdeen:US MdcP Eq:Inst	GUEIX	1.6	0.9	8.0	16.3	N.A.
Fidelity Adv SS MC:J	FMCCX	2,146.5	0.7	8.0	18.6	11.7
Osterweis Emerg Optt	OSTGX	43.8	2.2	7.5	N.A.	N.A.
JPMorgan:Dv Rtn US MC Eq	JPME	46.0	1.1	7.5	N.A.	N.A.
Category Average:		885.5	0.5	4.7	17.1	11.72
Fund Count		444.0	466	458	418	304

Small-Cap Core

Symbol	Assets (\$ millions)	April	YTD	Total return (%)	1-yr	5-yr*
Highland:Sm-Cp Eqty:A	HSZAX	61.0	1.5	10.3	23.2	13.7
AMG SouthernSun SC:I	SSIX	343.6	2.7	9.8	18.4	10.0
B Riley Dvsfd Eq:Instl	BRDX	10.3	-1.5	9.8	31.3	N.A.
Gabelli Eq:Fc Five:Eq	GWSIX	171.7	1.6	9.5	10.4	8.8
AlphaMark Act Mgd SC	SMCP	26.9	-0.3	9.4	11.7	N.A.
Bernzott US Sm Cap Val	BSCVX	75.4	1.9	8.6	21.5	N.A.
Royce Fd:Premier:Inv	RYPRX	2,323.5	1.6	8.4	26.7	9.3
AMG RR Select:Valj	ARIMX	39.6	3.2	7.8	27.2	12.9
Vulcan Val Partners SC	VVPBX	1,222.1	3.8	7.5	22.0	14.1
Pru Jenn Small Co:Z	PSCZX	354.9	0.8	7.2	19.5	12.0
Category Average:		404.2	0.8	2.7	21.5	11.79
Fund Count		939.0	998	981	922	668

Emerging Markets

Symbol	Assets (\$ millions)	April	YTD	Total return (%)	1-yr	5-yr*
iPath ETN:LgEx MSCI EM	EMLB	1.8	4.5	33.3	46.5	1.2
VnEck Vctrs:Poland	PLND	15.9	9.4	28.6	24.1	0.7
iShares:MSCI Turkey	TUR	408.9	10.9	22.0	-11.4	-3.3
Wasatch:Em Mkts Se:Inst	WIESX	37.1	6.0	21.6	12.7	N.A.
TIAA-CREF:EM Eq:Inst	TEMLX	1,126.5	4.4	21.5	26.2	1.9
Baillie Gifford Em Mkt:5	BGEDX	1,576.7	3.1	20.0	28.8	N.A.
CNR:Emerging Mkt:Y	CNRYX	1,203.3	4.4	19.9	N.A.	N.A.
Dreyfus Global Em Mkts:Y	DGEYX	113.2	5.0	19.8	20.5	N.A.
Sit Developing Mkts	SDMGX	7.9	3.4	19.5	22.1	-0.6
Frst Tr:Chindia	FNI	205.6	3.3	19.3	20.0	9.9
Category Average:		523.7	2.4	13.9	17.6	1.77
Fund Count		825.0				

JOURNAL REPORT | INVESTING IN FUNDS & ETFS

CORPORATE FINANCE

A 'Delaware Trap' for Companies

Where firms incorporate, says a study, might not be based on what's best for shareholders

BY DAISY MAXEY

WHAT INCORPORATES in Delaware stays in Delaware.

More than half of publicly traded U.S. companies incorporate in the small state, regardless of their headquarters location, and once there they rarely leave. That is generally because once incorporated, it is difficult to get shareholders and management to agree on a new state of incorporation, says Robert Anderson IV, an associate professor of law at Pepperdine University School of Law.

In a new study, Dr. Anderson examines why so many companies land in what he calls "the Delaware Trap."

There have long been two competing theories on what motivates companies' incorporation decisions. The "race to the bottom" theory holds that states compete by making rules that favor company insiders at the expense of corporations and their shareholders.

The "race to the top" theory, in contrast, suggests



that market constraints prevent such favoritism, and that states instead compete to provide efficient legal rules that enhance shareholder value.

But Dr. Anderson examined regulatory filings related to raising private capital, and concluded that it is all about the company's choice of law firm near the time of founding.

He found that some larger, elite law firms may steer businesses toward a Delaware incorporation with their own needs in mind, rather than because of any superior quality of the state's legal system or the companies' needs. Perhaps, he speculates, it is easier and less expensive for them to focus on Delaware, rather than having to master the laws of many states.

In contrast, other firms—such as smaller, regional firms—are likely inherently focused on their state's law, and therefore might be expected to disproportionately recommend in-state incorporation, he says.

Because it is difficult for

There is little incentive for other states to compete for the business.

there is little incentive for states to compete for incorporation business and the franchise fees it generates by offering robust alternatives to Delaware law, Dr. Anderson says.

"The consequence is a stagnating menu of relatively homogeneous state corporate law with little innovation, even though innovation might benefit shareholders," he says.

Dr. Anderson's research doesn't take into account various factors that prior research has shown to influence incorporation decisions, such as the antitakeover statutes of a business's state of headquarters, says Lucian Bebchuk, the James Barr professor of law, economics and finance at Harvard Law School and the director of its program on cor-

porate governance.

A study by Dr. Bebchuk and Alma Cohen, a professor of empirical practice at Harvard Law School, found that companies are more likely to incorporate in Delaware rather than their state of headquarters when they have more employees or sales, when they're based in the Northeast or South or when their state of headquarters has fewer antitakeover statutes.

But Dr. Anderson says he's confident that weighing states' antitakeover statutes wouldn't undermine his results.

Ms. Maxey is a reporter for The Wall Street Journal in New York. Email her at daisy.maxey@wsj.com.

FUND RESULTS



Lipper's A-to-Z monthly mutual-fund and ETF performance listings and other tables are available free at WSJ.com/FundsETFs.

Tracking Exchange-Traded Portfolios

Performance figures are total returns for periods ended April 28; for largest exchange-traded funds and other portfolios, ranked by asset size.

Fund	Symbol	Assets (\$billions)	Volume (000s)	Expense ratio	Launch date	Performance (%)		
					April	YTD	1-year	
SPDR S&P 500 ETF	SPY	237.26	60,845.1	0.09	01/22/93	1.0	7.1	17.8
iShares Core S&P 500 ETF	IVV	109.20	2,589.7	0.07	05/15/00	1.0	7.2	17.9
Vanguard Tot Stk Mkt Idx ETF	VTI	77.41	1,794.7	0.04	05/24/01	1.1	6.9	18.6
iShares MSCI EAFE ETF	EFA	69.42	24,439.8	0.33	08/14/01	2.6	10.0	11.2
Vanguard 500 Index ETF	VOO	65.93	253.2	0.04	09/07/10	1.0	7.1	17.9
Vanguard FTSE Emerging Markets ETF	VWO	52.68	11,072.6	0.14	03/04/05	1.4	12.5	18.4
Vanguard FTSE Developed Markets ETF	VEA	50.26	8,718.4	0.07	07/20/07	2.4	10.3	12.6
PowerShares QQQ Nasdaq 100	QQQ	49.23	20,252.1	0.20	03/10/99	2.7	15.1	29.9
iShares Core US Aggregate Bond ETF	AGG	44.13	5,718.7	0.07	09/22/03	0.8	1.6	0.8
iShares Russell 2000 ETF	IWM	40.56	29,957.4	0.20	05/22/00	1.1	3.6	25.7
iShares Core S&P Mid-Cap ETF	IJH	39.73	2,620.0	0.12	05/22/00	0.8	4.8	20.3
iShares Russell 1000 Value ETF	IWD	37.01	3,997.8	0.20	05/22/00	-0.2	3.0	16.3
iShares Russell 1000 Growth ETF	IWF	35.36	1,209.5	0.20	05/22/00	2.3	11.3	19.3
SPDR Gold Shares	GLD	34.74	9,091.2	0.40	11/18/04	1.7	9.1	-1.9
Vanguard REIT ETF	VNQ	33.89	5,982.3	0.12	09/23/04	0.2	1.1	5.8
Vanguard Total Bond Market ETF	BND	33.66	2,100.0	0.05	04/03/07	0.8	1.7	0.7
iShares iBoxx \$ Inv Grade Cor B ETF	LQD	31.41	4,475.0	0.15	07/22/02	1.2	2.4	2.2
Vanguard Value ETF	VTY	30.40	984.5	0.06	01/26/04	unch.	3.3	17.0
iShares MSCI Emerging Markets Index Fund	EEM	30.39	55,343.1	0.72	04/07/03	2.1	13.7	18.5
iShares Core S&P Small-Cap ETF	IJR	29.99	2,841.5	0.12	05/22/00	0.9	2.0	24.2
iShares Core MSCI Emerging Markets	IEMG	28.51	4,933.0	0.17	10/18/12	2.0	14.0	18.5
Vanguard Growth ETF	VUG	26.33	735.7	0.06	01/26/04	2.3	12.1	19.5
Vanguard Div Appreciation ETF	VIG	23.94	568.4	0.08	04/21/06	1.7	8.0	15.4
iShares Core MSCI EAFE	IEFA	23.92	3,380.4	0.12	10/18/12	2.8	10.5	11.8
Financial Select Sector SPDR	XLF	22.97	62,483.3	0.14	12/16/98	-0.9	1.6	27.3
iShares TIPS Bond ETF	TIP	22.91	2,350.8	0.20	12/04/03	0.6	1.8	1.6
Vanguard Short-Term Bd Idx ETF	BSV	21.61	1,178.4	0.07	04/03/07	0.4	0.9	0.7
iShares iBoxx \$ Hi Yld Corp Bd ETF	HYG	19.38	7,400.8	0.50	04/04/07	1.0	3.3	10.9
SPDR S&P MidCap 400 ETF	MDY	19.29	1,742.0	0.25	04/28/95	0.8	4.7	20.1
Vanguard Mid Cap ETF	VO	19.04	276.1	0.06	01/26/04	1.2	7.4	17.5
Vanguard Short-Term Crp Bd Idx ETF	VCSH	18.48	784.4	0.07	11/19/09	0.5	1.4	1.8
Vanguard Small Cap ETF	VB	18.30	1,002.3	0.06	01/26/04	0.9	4.6	20.5
iShares Russell 1000 ETF	IWB	17.83	720.7	0.15	05/15/00	1.1	7.1	17.9
Vanguard High Dividend Yield ETF	VYM	17.76	534.4	0.08	11/10/06	-0.1	3.3	15.1
Vanguard FTSE All-World ex-US ETF	VEU	17.68	1,245.1	0.11	03/02/07	2.2	10.8	13.9
iShares US Preferred Stock	PFF	17.55	1,937.4	0.47	03/26/07	1.1	6.3	5.5
iShares S&P 500 Growth Index Fund	IVW	17.47	467.6	0.18	05/22/00	1.9	10.6	19.0
Technology Select Sector SPDR	XLK	17.22	11,252.2	0.14	12/16/98	2.0	13.0	31.3
iShares Select Dividend ETF	DYV	17.16	1,089.9	0.39	11/03/03	0.4	4.3	15.1
Energy Select Sector SPDR	XLE	16.51	14,250.8	0.14	12/16/98	-3.0	-9.4	3.0
SPDR Dow Jones Industrial Average	DIA	16.25	1,867.1	0.17	01/14/98	1.4	6.7	20.7
Health Care Select Sector SPDR	XLV	16.11	5,781.1	0.14	12/16/98	1.6	10.0	9.9
iShares MSCI Japan Index Fund	EWJ	15.81	6,285.1	0.48	03/12/96	1.1	5.5	10.2
iShares Russell Mid Cap Value Index Fund	IVR	15.66	358.1	0.20	07/17/01	0.8	5.9	16.5
SPDR S&P Dividend ETF	SDY	15.54	532.2	0.35	11/08/05	0.6	4.3	13.6
Vanguard Int'l Term Corp Bd Idx ETF	VCIT	13.73	724.2	0.07	11/19/09	1.2	2.7	2.7
iShares S&P 500 Value Index Fund	IVE	13.60	417.4	0.18	05/22/00	-0.1	3.2	15.9
Guggenheim S&P 500 Equal Wght	RSP	13.30	632.9	0.40	04/24/03	0.7	6.0	16.4
Vanguard Intermediate Term Bond ETF	BIV	13.07	406.8	0.07	04/03/07	1.1	2.4	0.7
iShares Edge MSCI Min Vol USA ETF	USMV	12.72	1,223.0	0.15	10/18/11	1.5	7.5	13.0
Vanguard Info Tech Ind ETF	VGT	12.55	469.9	0.10	01/26/04	2.4	14.6	34.7
Consumer Discretionary Sel Sec SPDR	XLY	12.37	5,016.1	0.14	12/16/98	2.4	11.0	15.6
Vanguard FTSE Europe ETF	VGK	12.18	4,565.4	0.10	03/04/05	4.1	12.4	11.3
SPDR Bbg Barclays High Yield Bd ETF	JNK	11.62	6,184.1	0.40	11/28/07	1.1	3.4	11.9
iShares 1-3 Yr Credit Bd ETF	CSJ	11.54	577.4	0.20	01/05/07	0.2	0.8	1.2
Vanguard Small Cap Value ETF	VBR	11.22	376.9	0.07	01/26/04	0.4	2.4	21.0
Industrial Select Sector SPDR	XLI	11.19	10,297.8	0.14	12/16/98	1.9	7.1	20.6
iShares 1-3 Yr Treasury Bd ETF	SHY	11.02	1,708.2	0.15	07/22/02	0.1	0.4	0.2
iShares JPMorgan USD Emg Mkts B ETF	EMB	10.79	1,998.6	0.40	12/17/07	1.6	5.5	7.9
Alps Alerian								

JOURNAL REPORT | INVESTING IN FUNDS & ETFS

Q&A

Inspired by Mom's ETFs

Morningstar's Phillips reflects on fund changes

BY CHUCK JAFFE

DON PHILLIPS HAS been through it all at Morningstar Inc., starting as the firm's first mutual-fund analyst and rising to become the face of the company as it transformed into the most powerful data/analytical firm in the mutual-fund business.

Today, as managing director, the 55-year-old Mr. Phillips is an elder statesman, with decades of experience and institutional memory.

At the end of April, he presided over his 29th Morningstar Investment Conference, an annual gathering of the financial industry's biggest minds. Afterward, he took time out to reflect.

Here are excerpts from that interview:

WSJ: Over all of the years of the Morningstar Investment Conference, what's the biggest change you have seen in the fund world?

MR. PHILLIPS: Funds used to be sold. There was someone pushing you to buy funds. Today, people know they need to invest in funds.

They're seeking out the information and looking for the right characteristics, and so the vast majority of the fund world now resembles those traits. It has made all funds, on the whole, better.

It means there's a much higher chance you will end up in a good fund, satisfied with the results. Twenty years ago, the odds of a fund with above-average expenses getting assets were a little [worse] than a cheap fund, but they were still pretty good. Today, almost no money goes into funds with above-average expenses.

WSJ: Have regulators done a good job overseeing the evolution of funds and ETFs?

MR. PHILLIPS: In the aggregate, they have done a very good job...We now track

funds in 30 different countries, and the U.S. is far and away the cleanest and best-

lit playing field in all of

global finance. Investors in

mutual funds—and equities,

too—get a far better shake

here than anywhere else in

the world.

There's no other market

in the world where you know

if your mutual-fund manager

invests in his or her own

mutual fund, which is absurd

because as a stock investor

you know to a penny what

the CEO is paid, exactly how

many shares they own, and

changes in that information

are passed to you almost instantaneously. For decades,



Don Phillips at the annual funds conference in Chicago in April.

WYCOFF/TWEEDIE

in mutual funds, that was not the case; any manager could say they ate their own cooking, but none had to prove it....They were creating things they were glad to offer to you but not buy themselves. The U.S. is the one market where that transparency now exists.

WSJ: What has changed most about the audience for funds as witnessed by your years at the Morningstar conference?

MR. PHILLIPS: It used to be very much that active managers would get grilled about the stocks they were picking. It felt like people were just there looking for stock tips, because when a manager would mention a stock, you'd see all these pens move.

Today, it's very different. People are talking much more about the process of assembling portfolios. A lot more talk about passive investments.

The game has moved away from star managers picking individual stocks and has become much more about creating a repeatable process that can be deployed to help people meet their long-term goals.

WSJ: What hasn't changed over all these years that you think needs to?

MR. PHILLIPS: What hasn't changed is that an awful lot of people still aren't participating in the investment process, not using the great low-cost funds and investment vehicles that are available to them. Half of American workers don't

participate in any kind of a retirement plan, so there are huge communities that feel the financial-services industry has turned its back on them. Somehow the financial-services industry has not reached out to them as effectively as they need to, because we live in an era

where the responsibility of saving for your retirement

has been transferred from your employer or the government to the individual.

WSJ: When asked, you have always disclosed your fund holdings; you currently own more than 50 funds, including six small positions in ETFs you inherited from your mother. Why did you hang on to those funds?

MR. PHILLIPS: The funds I inherited from my mother were an important lesson; they made me realize that there are multiple reasons why people invest.

In her last days, [my mother] asked if I would take over paying most of her financial bills—I was happy to do it—because she did not want to keep selling down her investment portfolio to meet her near-term expenses.

The ability to have these ETFs and trade them made her feel like she was still in the game, that she was participating in the investment discussion. She would read the newspaper and watch television and say, "These things are happening in the world. Are rates likely to go up or down? Is there the threat of war or something in various markets? Will the market be upset by current events?"

It was her connection to what was happening in the world.

When I inherited these positions—which aren't a significant part of my portfolio and I might have sold for simplicity's sake—it reminded me that she came to the investment world with a different point of view. She got a different utility and a different satisfaction, which was very important to her, out of the investment process.

To me it was an important lesson that we invest for a lot of reasons, and having that connection to your fellow people, to the geopolitical situation, is one of those reasons. Investing is a connection, it is reaching out and taking your money and deploying it in ways that have social consequences. So I keep the funds for sentimental reasons more than pure investment reasons, but they're important to me.

Mr. Jaffe is a writer in Boston. He can be reached at reports@wsj.com.



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Slow and steady wins the race.

MONEY MANAGEMENT

Some Stock Pickers Pick a Political Party, Too

BY JEFF BROWN

MUTUAL-FUND MANAGERS are paid to ferret out the best stocks with hardheaded analysis. But a new study suggests that their judgment can be clouded by politics.

A paper by University of Kansas researchers finds that fund managers are more inclined to buy shares in companies where a preponderance of board members and executives share their political views, and that this bias undercuts the funds' returns.

"Funds with more partisan bias suffer from higher levels of idiosyncratic volatility than those with less bias," the researchers say in their study.

"Partisan bias is more evident when the fund manager is less experienced, in firms with more opaque information environments, and when the president of the U.S. comes from the fund manager's own

party."

The authors, Associate Professor Jide Wintoki and graduate student Yaoyi Xi, looked at 1,298 actively managed mutual funds' holdings in 16,655 U.S. stocks from 2000 to 2015, and determined political affiliations by looking at contribution records of fund managers and of top executives at the firms they invested in.

Bias at play

The research found that "the typical share of total net assets invested in Republican-leaning firms by Republican-leaning managers is about 8% higher than that invested by Democratic-leaning fund managers [in Republican-leaning firms]," though there should be no difference if bias were not at play. "In contrast," the study says, "the typical share of total net assets invested in Democratic-leaning firms by Republican-leaning managers is about 3% lower than that invested by

Democratic-leaning fund managers." Overall, the study says, managers invest 7% more of their assets in companies with a preponderance of leaders who share their political leanings.

Managers' stock picks should be free of issues unrelated to stock performance, the authors write. Bias related to political views could reflect "in-group favoritism," with people believing others of like views "are superior to outsiders," their study says. Or it could mean that fund managers have better access, professionally and socially, to executives of like political views, and thus obtain better information. But if that were the case, political bias would improve fund performance, and the authors found that it did the opposite. Favoritism, rather than better information, therefore explains the biased investments, they conclude.

In an email response to questions, the authors say, "It

was a bit of a surprise that such biases may affect the decisions of managers that are paid, at least in part, to avoid such personal bias in their portfolio allocation."

Index approach

They say their results also add weight to arguments favoring passive, index-style investing over actively managed funds. Index-fund managers simply buy stocks in the underlying index like the S&P 500 and thus do not have the opportunity to let political bias influence their picks. "These [bias effects] are costs that investors do not face when investing in passive funds, and may be another one of the many reasons for investors to carefully think about investing in actively managed funds," they say.

Mr. Brown is a writer in Livingston, Mont. Email him at reports@wsj.com.

SAVING FOR COLLEGE | CHANA R. SCHOENBERGER

How Parents Err With Fafsa

The biggest mistake may be not filling out the application for student aid in the first place

Readers continually send us questions about how best to handle saving for and paying for higher education. This month we focus on the Free Application for Federal Student Aid, known as the Fafsa, as well as "529" accounts, the tax-advantaged savings vehicles that allow after-tax contributions to grow tax-free in mutual funds when used for qualified education expenses. We asked experts to help answer the questions.

What are the biggest mistakes people make when filling out a Fafsa? What tips should parents know about this application?

One common mistake is not filing the form at all, says Mike Brown, managing director of Nitro College, a student-loan and scholarship site. Families that earn significant income and have many assets might feel they won't receive any assistance. But it's worth trying, he says: "Many upper-middle-class families are eligible for some type of aid, and therefore need to file the Fafsa."

Another error: not filing the form quickly enough. Money is often given out on a first-come, first-served basis, he says. So fill out the form as early as possible—it is now available on Oct. 1 instead of January—and repeat the process every year your student is in college. Otherwise, you won't be eligible to receive aid such as Pell grants (if you qualify), which don't need to be repaid, he says.

Prioritize speed over perfection when filing the form, which can be done either online or on paper.

"Don't stress too much over making sure everything is perfect; you can file a correction if need be," Mr. Brown says.

Contrary to popular misconception, Fafsa isn't an entity that gives out student aid. The form itself is used to establish how much your family can afford to pay for your student to go to college. Once you submit the form, colleges will send you a letter detailing aid packages, which can include money from the school itself or from the government.

Don't let the form intimidate you, Mr. Brown says. It's relatively easy to fill out, and you won't need to hire a professional to help. If you want a step-by-step guide, there are free resources available online, including from his firm.

Also note, Mr. Brown says, that when you and your child sit down to complete the Fafsa, you will have to share your salary.

"It can be an awkward and potentially eye-opening conversation, so be prepared," he says.

Take this as an opportunity to discuss with your child how your family plans to pay for college. Discuss how much the family will contribute, whether your child can apply for grants or scholarships, and how much your child is prepared to pay every month in student-loan payments after graduation, he says.

Be aware the Fafsa recently changed some of its procedures. For this application season, families reported 2015 tax information, not 2016 data. The new "prior-prior-year" model has many benefits. One is that families no longer have to estimate their tax information and then go back and correct the form after their taxes are done, says Marcos Cordero, the chief executive of Gradvisor, which helps companies provide 529 plans as an employee benefit. The fact that the Fafsa is now available in October, meanwhile, means families can get financial-aid information further in advance of certain college-decision deadlines, he says.

* * *

What are the mechanics of making a payment from my 529 plan?

Plans typically allow you to have withdrawals sent to the account owner, the beneficiary or the school, either by electronic transfer or by mailed check. Mr. Cordero says. For some plans, it's possible to have a payment sent to an off-campus landlord.

Making the check out to the beneficiary may be the best practice, however, says Mr. Cordero. That way, the Form 1099-Q reporting the distribution will be in the student's name. And if there happens to be an unqualified withdrawal, and thus reportable, children are usually in the lowest tax bracket, he says.

* * *

Are musical instruments an eligible 529 expense for a music major?

"The IRS still hasn't given complete guidance on exactly what 'qualified expenses' are, so it can be a difficult one to answer," Mr. Cordero says. Aside from tuition, room and board, textbooks and computers, a 529 plan can pay for anything "required" by a class, so if you need the instrument to take the class, then it likely would qualify, he says.

* * *

How do state and federal tax deductions work for 529 contributions? What are the limits on what you can contribute and still get a tax deduction? How about the gift tax? If you contribute more than this in one year, can you roll it over tax-wise to the next year?

The federal tax benefits of a 529 come when you withdraw money for qualified education expenses and don't have to pay income tax on the portion that represents your gains. As for state taxes, 35 states and the District of Columbia offer tax deductions or credits on 529 contributions, Mr. Cordero says. Typically you have to open an account with your own state's 529 plan, except in six states where you are allowed to open an account anywhere. Some states are generous (Illinois offers up to a \$20,000 deduction for joint filers), while others are more frugal (Maine offers up to a \$250 deduction), he says.

The gift-tax rules allow an individual to contribute up to \$14,000 each year to any other individual (or to a 529 benefiting any individual) without gift-tax filing consequences. Above that level, you'll reduce your lifetime gift-tax exclusion, which is currently \$5.49 million. One of the special features of 529s is the ability to "superfund" an account by contributing five years of gifts in one year, "essentially raising that \$14,000 figure to \$70,000, without reducing their lifetime exemption," Mr. Cordero says.

HAVE A COLLEGE-FINANCE QUESTION IN GENERAL? We'll be answering them in future Investing in Funds & ETFs reports. Write to reports@wsj.com.

JOURNAL REPORT | INVESTING IN FUNDS & ETFs

VENTURE INVESTING

When Funds Invest in Startups

The business can be lucrative for mutual funds. And problematic.

BY CHANA R. SCHOENBERGER

ARE YOU A startup investor? Perhaps—but you may not know it.

That's because your mutual funds may have bought private shares in early-stage companies, including those nicknamed unicorns (startups valued at \$1 billion or higher, like Uber Technologies). As a fund shareholder, you own a piece of these stakes—and the profits or losses that the fund eventually realizes.

This increasingly common practice comes with some regulatory red flags, says

Jeff Schwartz, a law professor at the University of Utah. In a new paper that will be published this year in the North Carolina Law Review, Prof. Schwartz looked at **Fidelity Investments' flagship Magellan Fund**, which has some \$15 billion in assets and is a leader in startup investing. Magellan has invested about \$134 million since 2012 in 12 startups, including DocuSign, Hubspot, Roku and Uber.

Although startup investing can be exciting, Prof. Schwartz's paper cites these potential problems with the practice: "lack of awareness among mutual-fund investors, lack of liquidity for mutual-fund shares, lack of venture-capital expertise among mutual-fund management, and lack of accountability over how funds value their ownership stakes in startups for purposes of calculating their net asset values, which creates an opportunity for management to manipulate such estimates."

Fidelity says that it invests in private companies that would have gone public a decade or two ago, when companies hit the public markets earlier in their life cycle, and that it chooses those it thinks are likely to go public in the future. "We like to look for companies we think are going to be long-term winners, companies that we will be able to invest in, and they will appreciate over a long period of time for the benefit of our shareholders," says Andrew Boyd, head of global equity capital markets at Fidelity.

The Wall Street Journal spoke with Prof. Schwartz about mutual funds' startup investments and what regulators can do to protect investors. Edited excerpts:

WSJ: Why are fund managers making startup investments?

PROF. SCHWARTZ: The main reason is actively managed funds are looking for ways to distinguish themselves. Index funds can't copy this. It's an exciting area. They want to be a part of it. They can control the valuations. It's a little bit of a loophole. They are allowed to do this. There's nothing that restricts them. They just can't invest more than 15% of their assets in illiquid securities such as private companies. But right now, most funds are well below that. When you have such huge assets under management, you can invest billions and billions of dollars—and still invest hundreds of millions in startups. Magellan invests around \$170 million in these kinds of companies, around 1% of its assets.

WSJ: How can you find out if your mutual funds hold startup stakes?

PROF. SCHWARTZ: You have to look at their quarterly filings through the SEC website [www.sec.gov] and scroll

through the schedule of investments. Within that, there's a category for preferred shares. That's where these investments are typically found.

You'd have to look up the companies to see what they do and whether they are public or private; you may not have heard about them. There are also disclosures if the shares are restricted, which means that they're usually private shares.

WSJ: What are the effects of startup investing on mutual-fund performance?

PROF. SCHWARTZ: It's too early to tell. Don't automatically sell your mutual-fund shares, if you discover it is investing in startups. It depends on investors' opinion of whether we're in a bubble with respect to unicorns and other startups. If you think we're in a bubble, it may be a good time to sell if your fund has a large percentage of startups. If you're concerned about the valuation of the fund managers because they have latitude in how they assess the value of assets under management, you may also want to sell. There's a dual risk: could be a bad investment, or the valuations could be biased.

WSJ: Private shares are often illiquid and can have whatever value the company and the fund managers decide. When a fund manager can choose to invest in private companies that have huge valuations, like Uber, how does that affect how he or she gets paid?

PROF. SCHWARTZ: Based on assets under management, they get a percentage. The AUM is calculated each day. This would lead to higher compensation for fund managers, because it inflates the value of the mutual fund.

WSJ: What can investors learn from this?

PROF. SCHWARTZ: These investments in young private companies are actually in their mutual funds. It's not easy for investors to tell by reading the prospectus or the website that these investments are present. They are present, and they pose these obvious risks in terms of how they're valued. The mutual-fund managers don't necessarily have incentives aligned with shareholders in terms of how they're valued.

WSJ: Should the practice of funds investing in startups be regulated differently?

PROF. SCHWARTZ: Yes, regulations could be improved to better protect investors. Currently, they give broad discretion to fund management with respect to valuing startups. Funds also may disclose little about the valuation process. Instead, the laws could require that funds change the value of their startup holdings when, and only when, justified by publicly available information, and that funds disclose the information that leads to any such changes.

The limitation on the valuation process would enhance the credibility of the valuations, and the additional transparency would incentivize funds to provide more careful and conservative estimates.

Also, under current rules, it can be difficult for investors to find out whether their funds hold startups. I recommend that funds be required to explicitly disclose that they invest in these companies and discuss the risks that doing so entails.

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MARTIN HAAKE

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JOURNAL REPORT | INVESTING IN FUNDS & ETFS

NEWS CHALLENGE: FUNDS AND INVESTING

Test Your Smarts on...Gold Investing

BY VICTOR REKLAITIS

THERE IS NOTHING QUITE like gold, especially if you want to start an argument among financial advisers.

The debate never stops over what role the precious metal should play in investment portfolios. The commodity also tends to grab the spotlight whenever a geopolitical shock hits and helps send gold futures higher.

Gold bugs enjoy highlighting this famous line from Wall Street legend Gerald Loeb: "The desire for gold is the most universal and deeply rooted commercial instinct of the human race." Skeptics favor quotes on the metal like this one from Warren Buffett: "I have no views as to where it will be, but the one thing I can tell you is it won't do anything between now and then except look at you."

For the year to date, through April, gold-oriented mutual funds have a 5.9% total return on average, despite a 3.6% decline in April.

Regardless of where you stand on the gold-bug-to-hater spectrum, how much do you know about the commodity? Let's find out:

1. When did gold prices hit their all-time high? We mean their highest nominal value in dollars.

- A. 1980
- B. 2001
- C. 2011
- D. 2016

ANSWER: C. Gold futures peaked in 2011, when they traded above \$1,900 an ounce, according to FactSet. Looking at inflation-adjusted data, the peak came in 1980.

2. True or false: All of the gold ever mined still exists as aboveground stock, and there are no signs of that changing.

ANSWER: False. Gold may be getting "consumed" for the first time. The metal is now used in such small quantities by the technology sector that it may no longer be economical to recycle it, according to British Geological Survey findings that the BBC has highlighted.

3. True or false: Gold is the rarest precious metal.



C. An unwanted Chia Pet
D. A pet rock

ANSWER: D. Mr. Zweig suggested in a July 2015 Intelligent Investor column that gold shouldn't have a big role in any investment portfolio, then doubled down a year later even though gold had gained 20%, saying "it's still a pet rock."

8. How have gold prices and U.S. stocks performed from Election Day through early May?

- A. Gold is up 9%, while the S&P 500 is down 3%.
- B. Gold is roughly flat, while the S&P is up 7%.
- C. Gold is down 4%, while the S&P is up 12%.
- D. Gold is down 4%, while the S&P is up 16%.

ANSWER: C. Gold futures, at \$1,224.80 an ounce currently, are down nearly 4% from their settlement on Election Day at \$1,274.50. The S&P 500 has climbed to about 2399 from around 2140 on Nov. 8.

9. How much have gold prices increased over the past 20 years?

- A. Nearly quadrupled
- B. Almost tripled
- C. Roughly doubled
- D. About 40%

ANSWER: A. Gold prices are about 3.6 times higher, according to FactSet data, rising to around \$1,224.80 an ounce from \$343 two decades ago.

10. Fill in the blank: Gold is so malleable that an ounce of it (about the size of a quarter) can be beaten into a thin sheet covering _____.

- A. 270 square feet (about the size of a micro-apartment)
- B. 100 square feet (a large office cubicle)
- C. 30 square feet
- D. 5 square feet

ANSWER: B. A single ounce can yield a continuous sheet measuring about 100 square feet, according to the American Museum of Natural History in New York.

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How have gold prices performed since Election Day? See Question No. 8.

ANSWER: False. Rhodium, iridium and ruthenium count among the precious metals that are more rare than gold, according to the U.K.'s Royal Mint.

4. How much have gold futures wiped away from their value in retreating from their all-time high?

- A. Less than 1%
- B. Around 10%
- C. About a third
- D. Roughly half

ANSWER: C. Gold futures are trading at \$1,224.80 an ounce, as of Friday's settlement. That represents a drop of 36% from their peak of \$1,923.70 an ounce reached in intraday trading Sept. 6, 2011, according to FactSet data.

5. True or false: The SPDR Gold Trust (ticker symbol: GLD), the largest gold ETF, is a top 10 ETF in terms of assets under management.

ANSWER: False. GLD had more assets under management than any other ETF at one

point in 2011, but it now is no longer in the top 10, according to ETF.com data. It ranks 13th with \$35.4 billion in assets under management.

6. Which of the following isn't an often-given reason for owning gold?

- A. It tends to move independently of other asset classes.
- B. Its price could rise thanks to growing demand from China and India's middle classes.
- C. It can help hedge against inflation.
- D. It has consistently paid interest.

ANSWER: D. Gold doesn't pay interest like bonds do, and analysts tend to turn bearish on the metal when interest rates are rising.

7. Fill in the blank: Wall Street Journal columnist Jason Zweig once got many gold enthusiasts buzzing by likening the commodity to _____.

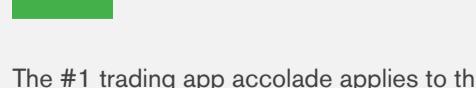
- A. A rare Beanie Baby
- B. A must-have bobblehead



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