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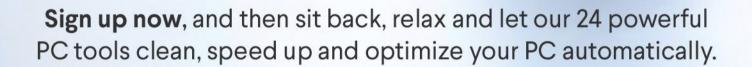


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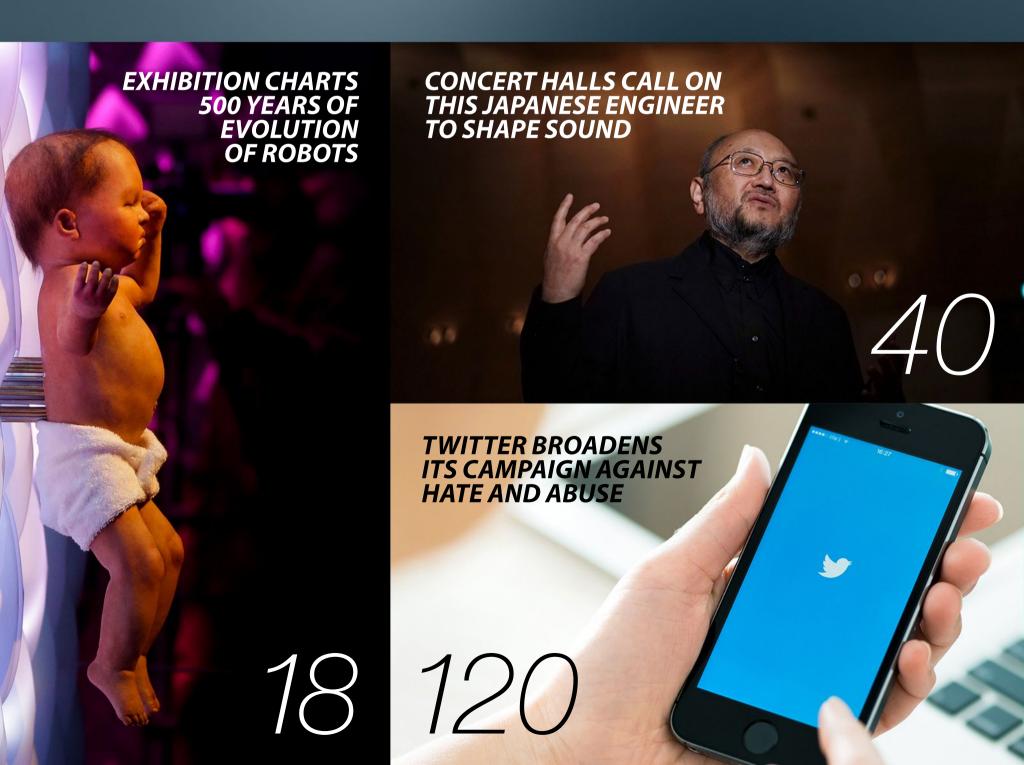
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FIGHTING FAKE NEVVS ISN'T JUST UP TO FACEBOOK AND GOOGLE

You, too, can join the battle against misleading and other "fake" news online. But your options are somewhat limited unless you're already an academic or data scientist who's been studying the subject since way before Donald Trump started running for president.

Giovanni Luca Ciampaglia, a research scientist at Indiana University, fits that bill. He helped create a tool tracking how unsubstantiated claims spread online, a phenomenon that first caught his eye during the Ebola crisis in 2014.

"We started seeing a lot of content that was spreading, completely fabricated claims about importations of Ebola, (such as) entire towns in Texas being under quarantine," he says. "What caught our attention was that these claims were created using names of publications that sounded like newspapers. And they were getting a lot of traction on social media."

"Fake news," which has gotten a lot of attention for its potential role in swaying the 2016 presidential election, has fascinated researchers for some time. Their studies have yielded tools that help track how "alternative facts" spread, and others that let you identify fake stories or block them altogether.

DECIPHERING TWITTER RUMORS

Some of these are still baby steps in dealing with the phenomenon, but they're part of a larger effort that now involves Facebook, Google and big media companies actively trying to tamp down the spread of fake stories. And the researchers were there first.

Tanushree Mitra, a doctoral student at the Georgia Institute of Technology, began a project three years ago to see how misinformation and fake news spread through Twitter. At the time, she says, "companies like Facebook and Twitter were not paying much attention."

What attracted her to the project was the prevalence of fake news that spread online following natural disasters such as Superstorm Sandy in 2012. When she saw that people were sharing a lot of incorrect or misleading information about the events, Mitra decided to track both big stories and smaller rumors with the goal of creating an app that could help ordinary people sort fact from fiction so they can make decisions that could be crucial to their wellbeing.

Mitra and her fellow researchers scanned 66 million tweets linked to nearly 1,400 real-world events to identify words and phrases linked to perceived levels of credibility. Looking at tweets





surrounding news events in 2014 and 2015 - including the Ebola crisis, the Charlie Hebdo attack in Paris and the death of Eric Garner in a confrontation of police officers in New York City - they asked people to judge tweets based on how credible they thought the posts were.

Words such as "eager," "terrific" and "undeniable" were linked to more credible posts, while words such as "ha," "grins" and "suspects" were the opposite. A computer matched the humans' opinions 68 percent of the time. The next step, an app, could help people rate the credibility of tweets and other social media posts.

TRACKING HOAXES

A group of researchers at Indiana University have created an online tool called Hoaxythat seeks to visualize "the spread of claims and related fact checking online." Although it's still a work in progress, Hoaxy can trace the origin of, for instance, the false claim that millions of votes in the 2016 presidential election were cast by "illegal aliens." Type in your search terms and Hoaxy will report back with stories that spread the claims, as well as fact-checking articles that debunked it.

In this instance, the claim goes back to a November article from Infowars.com that was shared 17,961 times on Twitter and 52,200 times on Facebook, according to Hoaxy. The site only tracks actual links people shared, so it misses anything that's paraphrased or posted without a link.

A data visualization tool shows the intertwined web of Twitter users who spread both the claims and the fact checks, and how they are connected









to one another. The researchers focused on Twitter because the service makes more data available to the public, which makes it easier to use in data-tracking tools than Facebook.

LEAD A HORSE TO WATER

Tools like Hoaxy or rumor-identification apps are only helpful if people use them. The same goes for another approach - using a web browser plug-in to identify or block fake-news stories. For instance, the Chrome extension "Fake News Alert," created last year, says it will tell you when you are visiting a site "known for spreading fake news."

But there are a few drawbacks. Many people aren't willing to go to the trouble of adding new extensions to their browser. And such extensions only work on the desktop version of Chrome, not its mobile counterpart.

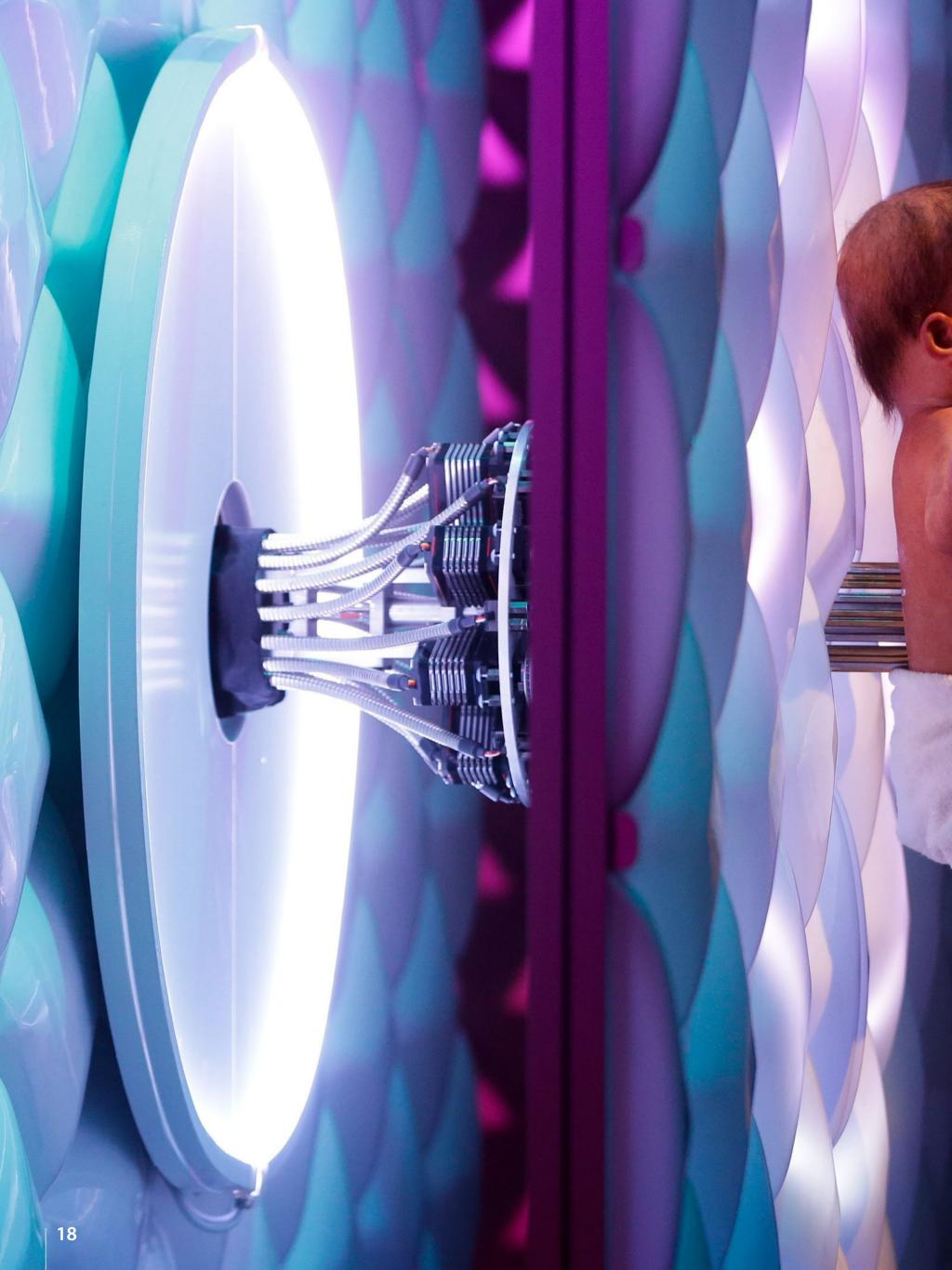
"Fake News Alert" also uses a widely circulated but oft-criticized list of fake and misleading news sites assembled by a Merrimack College professor. The list casts a very broad net and includes some established, but highly partisan sites such as the right-wing Breitbart News and the left-wing Occupy Democrats.

A final obstacle: While fake news has been in the real news a lot, many people simply aren't that aware of it.

"A lot of consumers are not savvy about it," says Larry Chiagouris, a marketing professor at Pace University who follows the fake news phenomenon. "And of those that are - and it's a small number- not a lot of them add plug-ins to browsers."



EDUCATE THE PEOPLE Chiagouris believes we are at the "beginning of the beginning" when it comes to defining just what fake news is and how to combat it. But he and other experts say technological solutions like apps WAand plug-ins are unlikely to get to the root of the problem. The real solution, he says, will start in school: "not college, grammar school." The better educated and informed the public is, the more likely they are going to be "asking questions and exploring alternative sources of information," says Mike Posner, co-founder and co-director of the NYU Stern Center for Business and Human Rights. "What you really want is people saying they want to see different sides of an issue, looking at things by people who don't agree with me, so one (part of the solution) is public education."





the exhibition tracks the development of

robotics and mankind's obsession with

replicating itself.

Image: Alastair Grant

Arnold Schwarzenegger's unstoppable
Terminator cyborg is there, as is Robby the
Robot, star of the 1956 film "Forbidden Planet,"
representing the horror and the fantasy of
robots with minds of their own.

There are also examples of factory productionline machines blamed for taking people's jobs in recent decades; a "telenoid communications android" for hugging during long-distance phone calls to ease loneliness; and Kaspar, a "minimally expressive social robot" built like a small boy and designed to help ease social interactions for children with autism.

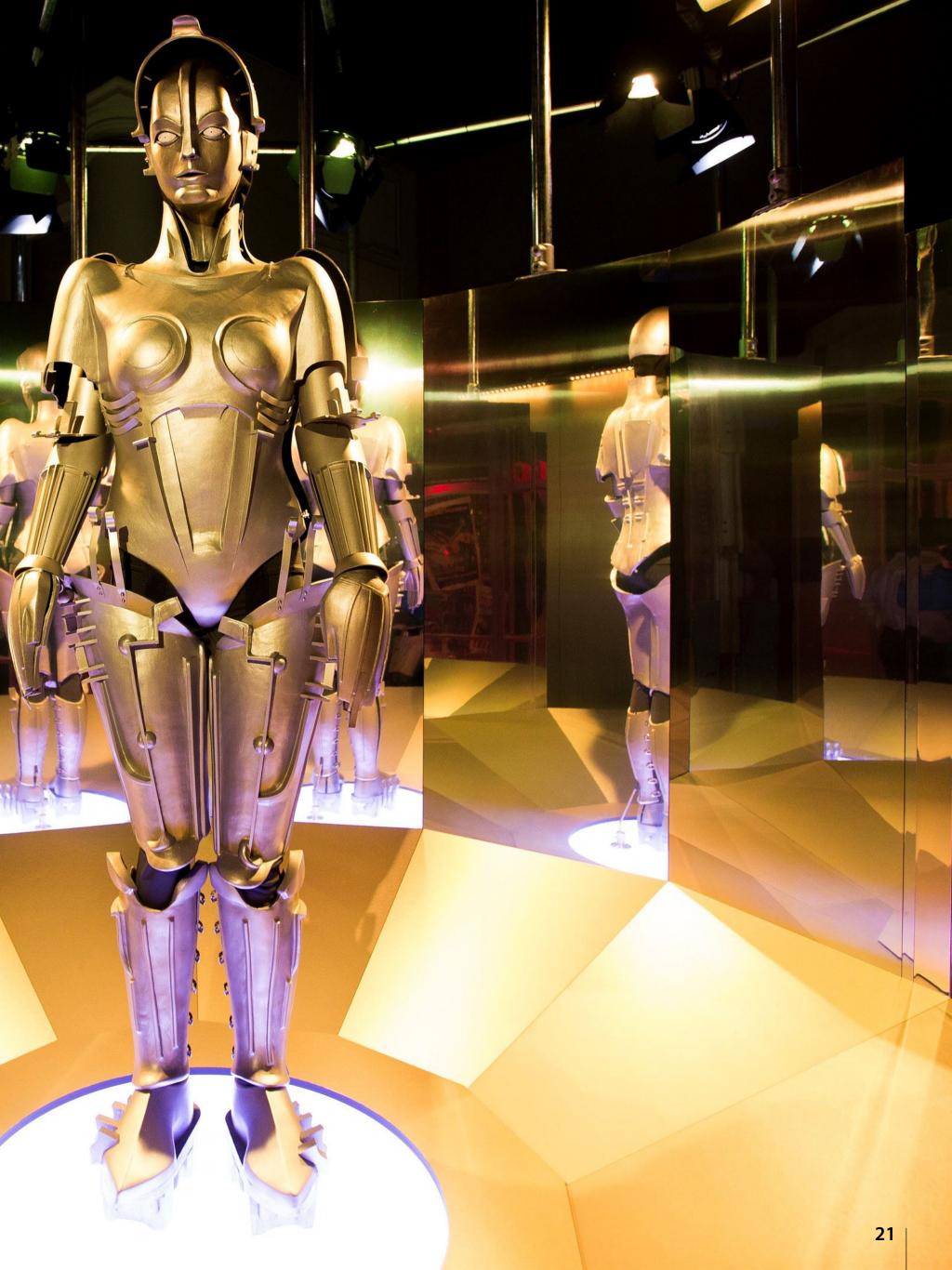
"When you take a long view, as we have done with 500 years of robots, robots haven't been these terrifying things, they've been magical, fascinating, useful, and they generally tend to do what we want them to do," said Russell, who works at the science museum and was the lead curator of the exhibition.

And while it's human nature to be worried in the face of change, Russell said, the exhibit should help people "think about what we are as humans" and realize that if robots are "going to come along, you've got a stake in how they develop."

A total of 100 robots are set in five different historic periods in a show that explores how religion, industrialization, pop culture and visions of the future have shaped society.

For Rich Walker, managing director of Shadow Robot Company in London, robotics is about what these increasingly sophisticated machines can do for humans to make life easier, particularly for the elderly or the impaired.







but says having repetitive tasks performed by automatons would free up people to adopt value-added roles.

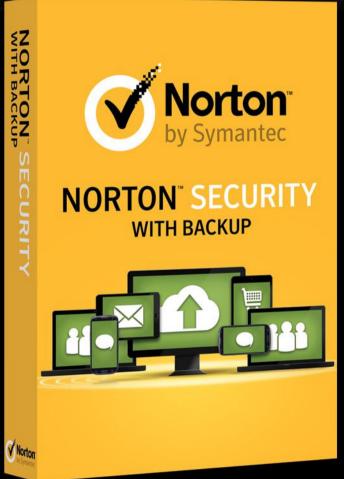
"The issue is to rebuild the economy so that it has a holistic approach to employment," he said.

This in turn leads to questions, raised at the exhibition as well as by the European Union, of whether or not robots should pay taxes on the value of their output as part of the new industrial revolution.









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THE SECRET BEHIND THOSE SB-51 HALF-TIME SHOW DRONES

Watching the Super Bowl halftime show, it seemed like Lady Gaga had other-worldly power, controlling a galaxy of lights behind her as she entertained the stadium.

Those lights were actually Intel's Shooting Star drones, 300 of which were launched above NRG Stadium in Houston to bring an extra sparkle to Gaga's show.

It's the first time the colourful drones were used at an event of this scale.

"Lady Gaga and the Super Bowl creative team wanted to pull off something that had never been done before and we were able to combine Intel drone innovation with her artistry to pull off a truly unique experience," Josh Walden, senior vice president and general manager of Intel's New Technology Group, said in a statement.

Of course, the biggest sporting event of the year comes with plenty of security precautions. The secret behind the overhead display: The drone show was filmed last week.

Intel received a waiver from the Federal Aviation Administration, which regulates drones, allowing them to fly up to 700 feet and in more restrictive airspace.

Each quadcopter has LED lights that can create 4 billion color combinations, according to Intel. The entire swarm is able to be controlled by a single operator and computer.

One Shooting Star drone weighs less than a volleyball. Keeping safety in mind, Intel said the drones are made of flexible plastics and foam and do not contain any screws.

So now that the world is buzzing about Shooting Star drone technology, here's the bad news: You can't get your own fleet just yet.

While Intel says the drones meet Federal Communications Commission specifications, they haven't been formally authorized. For now, Walden said it's all about inspiration.

"The potential for these light show drones is endless and we hope this experience inspires other creatives, artists and innovators to really think about how they can incorporate drone technology in new ways that have yet to even be thought of," he said.





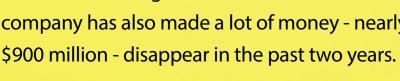


SNAP, MAKER OF THE TEEN SOCIAL APP SNAPCHAT, FILES FOR IPO



Snap Inc. said last week that it's seeking up to \$3 billionin an initial public offering, a figure that could shift based on investor demand. That demand will help determine the price per share sought by Snap in the upcoming weeks.

Snapchat has millions of users, and Snap has built a thriving ad business on it. But the company has also made a lot of money - nearly



SNAP, CRACKLE, POP

32

The fast-growing social network for the younger set boasts 158 million daily users. It lets people send photos, videos and messages that disappear a few seconds after viewing. It was created in 2012 by Evan Spiegel, who dropped out of Stanford University just three classes shy of graduation to focus on the app.

Spiegel, 26, is poised to become a multibillionaire, along with his former fraternity brother at Stanford, Robert Murphy, 28, who is also a company co-founder.

Each man owns 227 million shares of Snap stock, which was valued at \$30.72 per share nine months ago when the company raised \$700 million from a group of investors, according to its IPO documents filed Thursday. If Snap can fetch the same price in its IPO, Spiegel and Murphy each will be worth \$7 billion.





Snapchat could have died a quick death as a "sexting app," but Spiegel showed a knack for adapting to users' whims and demands, just as Facebook has over the years. This, as both companies have discovered, is key to outlasting social media fads. Snapchat is no longer just about disappearing messages.

Over the years, it has added a "Discover" section where a diverse group of publishers - including People, the Wall Street Journal, CNN, Vice and Food Network - post video-heavy stories aimed at millennials.

Another feature, "Stories," lets people create a narrative from messages, videos and photos from the past 24 hours. It's so popular that Facebook's Instagram now has a version of it, too.

And then there's goofy "Lenses," which lets people add animated overlays to photos and videos - animals, for example, or flower crowns and sparkly eyes. The company came under fire a couple of times for adding filters many saw as racist. One had slanted eyes and buck teeth commonly associated with negative Asian caricatures; another, which Snap called a "Bob Marley" filter, darkened people's skin. Snap later got rid of the offending filters.

BIG MONEY

The highly anticipated IPO is expected to be the one of the largest since Alibaba Group went public in 2014. But Snap is better known than the Chinese e-commerce company, and so draws comparisons to the IPOs of Facebook and Twitter. Facebook raised \$16 billion when it went public in 2012.

If its IPO matches the \$30.72-per-share price obtained in its last round of financing, Snap would have a market value of about \$30 billion, based on the quantity of outstanding stock listed in its IPO documents.

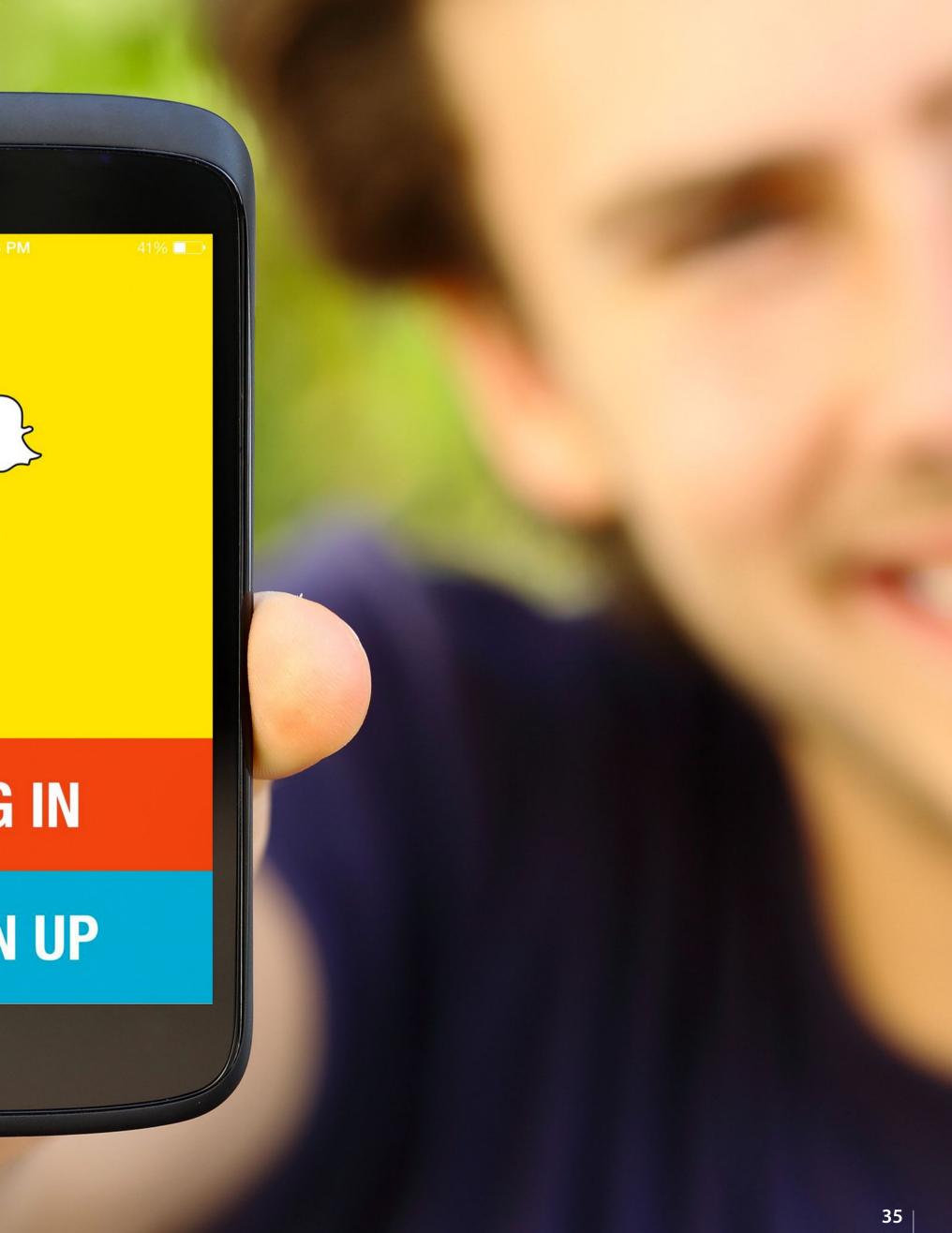
Investors who snap up the IPO will be taking a gamble on a Los Angeles-based company that has lost \$1.2 billion so far while growing rapidly. Snap had revenue of \$404.5 million in 2016, up from \$58.7 million in 2015. Its net loss was \$514.6 million last year, up from \$372.9 million the year before.

Facebook, on the other hand, was profitable in 2011, the year before its IPO, with net income of \$1 billion. Twitter has never turned a profit.

Snap stockholders must also evince near-complete trust in the business acumen of Spiegel and Murphy. The co-founders will have controlling power over all matters at Snap through a special class of stock that gives them 10 votes for every share they own. The stock being sold in the IPO has no voting power, while another class has one vote per share.

The discriminating classes of stock designed to give final say to the company founders is similar to setups at Facebook, where CEO Mark Zuckerberg holds all the power, and Google parent Alphabet, where Larry Page and fellow co-founder Sergey Brin can override all other shareholders.





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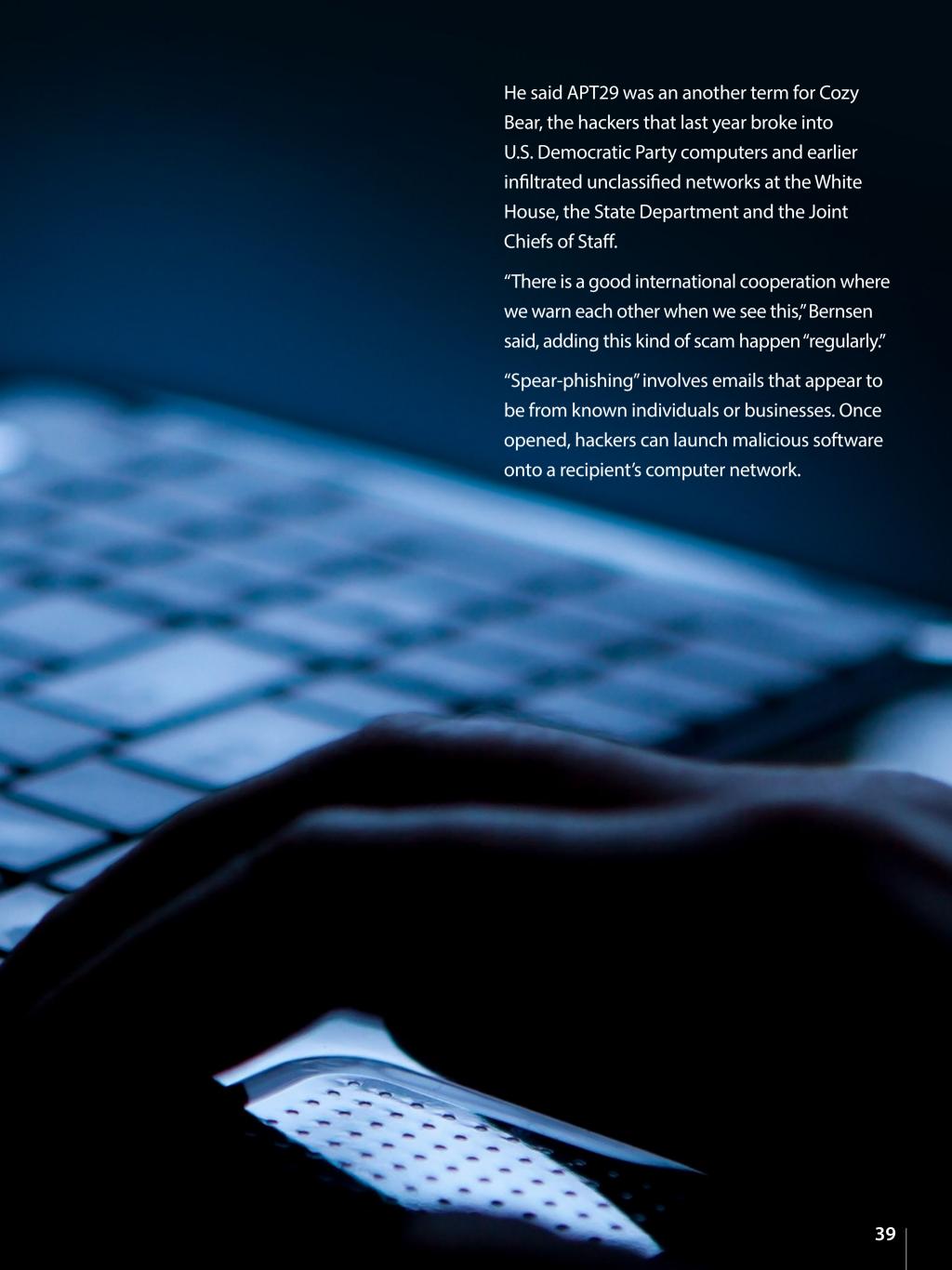
NORVVAY: RUSSIAN HACKERS HIT OUR SPY AGENCY, GOVERNMENT

Nine personal civil-servant email accounts in Norway have been targeted by hackers in "spearphishing" attacks believed to be associated with Russian intelligence, the Norwegian security service said. It said no classified information has been taken.

PST spokesman Martin Berntsen says the agency was warned earlier this year by a foreign agency about "targeted attacks" the security service, Norway's Labor Party, the military and government agencies. He declined to name the foreign partner.

"The attacks had a signature that indicates those behind the hacking can be identified as APT29," Bernsen told The Associated Press. "They can be traced back to Russia."









CONCERT HALLS CALL ON THIS JAPANESE ENGINEER TO SHAPE SOUND

Behind some of the world's most reputed concert halls is a Japanese engineer whose finesse in shaping sound is so perfectly unobtrusive that all listeners hear is the music - in all its subtlety, texture and fullness.

Yasuhisa Toyota's talents are coveted as classical music venues are increasingly designed in "vineyard style," where audiences surround the stage to hear the performers up close and enjoy an almost-interactive experience, feeling more like a part of the music and being able to be seen and respond to it.

Toyota's Nagata Acoustics has just 20 employees globally, but it dominates acoustics work for halls in Japan and is expanding abroad. He's designed the acoustics for orchestras in Los Angeles, Helsinki, Paris and Shanghai. Another of his projects, the Elbephilharmonie concert hall in Hamburg, opened Jan. 11.

Still, when asked to summarize the reason for success, Toyota hesitates. So many factors are involved in fine-tuning acoustics, and each hall has a different design, creating fresh challenges.

"No one can explain in one word why a Stradivarius violin sounds so beautiful, or how the way it was made may have shaped that beautiful sound," Toyota said in a recent interview at his Tokyo home.

"Whether sound is beautiful, clear or pleasant is extremely complex," he said. "So when we're talking about acoustics in a concert hall, there is basically that space itself."

Toyota, 64, is not a musician but was raised listening to and loving classical music.

He founded his company in 1971. It has headquarters in Tokyo and Los Angeles, which is his main home these days as he oversees Nagata's projects outside Japan

Toyota coined the expression "psycho-acoustics" to describe the importance of emotions and other senses in sound. Would a pink violin, for instance, sound as good as a brown one, he asks?



David Howard, a bass clarinetist with the Los Angeles Philharmonic, has played in several halls Toyota has worked on and says he appreciates the direct, clear and full, and intimate nature of their sound.

"In that sense, Mr. Toyota hit a home run," he said.

Apart from the just opened Elbephilharmonie, Toyota has done the acoustics for Stanford University's Bing Concert Hall, Helzberg Hall at Kauffman Center for the Performing Arts in Kansas City, Missouri, and the Chamber Hall at the Museo Del Violino in Cremona, Italy. His first major overseas project was the Walt Disney Concert Hall, which opened in 2003, for the Los Angeles Philharmonic.

The acoustics of the hall the Los Angeles orchestra used before were so bad that musicians overplayed to compensate, and that carried over to other venues.

"The ideal environment," Howard said, "is one where I can feel unencumbered in terms of being concerned about my individual sound, and I can just play, so that the ingredients are such that I don't have to worry about it being beautiful enough, or loud enough, or clear enough, that those things are more or less taken care of for me, so that I can just make music."

Toyota's fame started with Tokyo's majestic Suntory Hall, but its 1986 opening was a nightmare, he recalls.

It took time for the musicians to adjust to its finely tuned acoustics. That process can take several years. But these days, musical experts agree the acoustics in Suntory Hall are impeccable.









Toyota said he asks all musicians to play more softly while adjusting to a new venue where he's worked.

"When all 80 people are nervous and playing in all directions, then there is utter chaos on stage," he said.

Japan's love for classical music and Toyota's talent were evident at a recent Japan Philharmonic Orchestra performance at Suntory Hall of Bruckner's "Symphony No. 8 in C minor."

Kikue Sugimito, a long-time Japan Philharmonic season-ticket holder, remembers being awed by the sound quality when the orchestra moved from its previous venue to Suntory Hall.

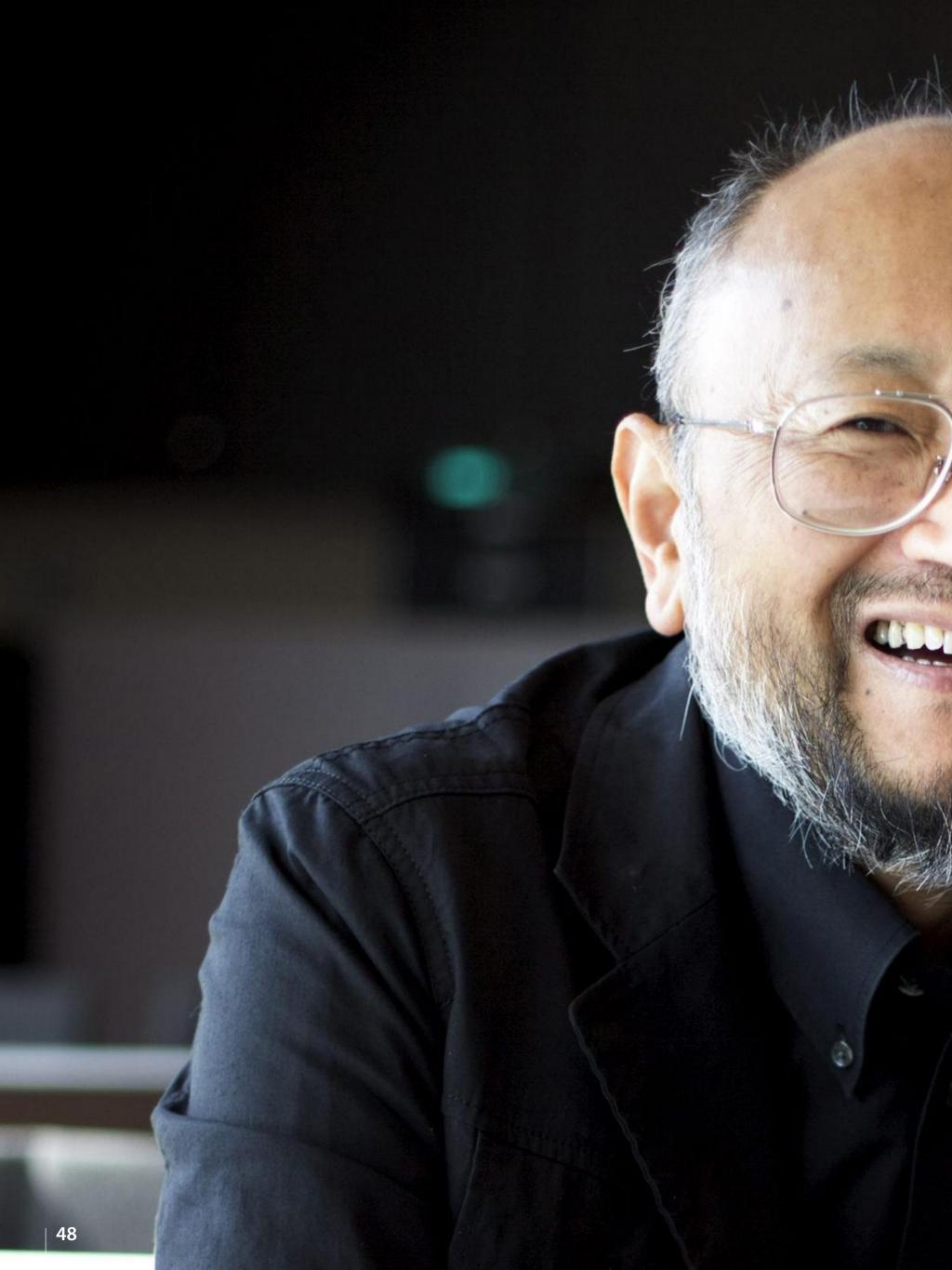
"There is a transparence about the sound here," she said.

Pietari Inkinen, the conductor, said the hall was so close to perfect any kind of piece could be played, inspiring the performers because listeners can feel the symphony "in their stomachs."

"This is really one of the best halls in the world," he said. "You can play unbelievably softly and it carries to the last row."

The architect Frank Gehry, who worked with Toyota on Disney Hall, says the aim in designing a concert hall is to make the space comfortable and interactive for all in the room.

Gehry and Toyota donated their work to build a hall, opening in March, for Berlin's Barenboim-Said Akademie, which was founded by conductor and pianist Daniel Barenboim and the American-Palestinian scholar Edward W. Said to educate and bring together young musicians, including Arabs and Israelis.







FRENCH CANDIDATE USES HOLOGRAM TO TRAVEL CAMPAIGN TRAIL



French presidential candidate Jean-Luc Melenchon can't be in two places at once.

But the 65-year-old hard-left hopeful is trying his hardest thanks to advances in technology.

As Melenchon held a rally in Lyon on Sunday, a hologram of him was projected by satellite to crowds in Paris.

Critics called it a headline-grabbing gimmick that obscures his firebrand politics.

Meanwhile, supporters of conservative candidate Francois Fillon hit the streets Sunday to try to stem damage to his campaign. They distributed tracts entitled "Stop the Manhunt."

Prosecutors are investigating the jobs that Fillon's wife and two of their five children had working as his parliamentary aides. The preliminary probe involves suspicions of embezzlement and misappropriation of public funds

He denies wrongdoing and says he is the victim of a slander campaign.



FROM APP STORE TO MASTER CHEF







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MASTER HUNDREDS OF QUICK AND EASY RECIPES

BigOven prides itself on having over 350,000 recipes that make cooking simple. This free app is perfect for those who are often on the go and looking to master quick and easy meals, even allowing you to upload snapshots of your own creations once you're happy with them. Other highlights of the app include options to create your own grocery list based on the recipes you're planning to cook alongside a weekly meal planner, making your time in the kitchen a lot more organized. Perhaps the most effective feature of BigOven is that you can search up to three ingredients and the app will give you recipe ideas, perfect for using up any leftovers.

Meet the Tinder of the food world: **Tender**. Primarily targeted at 18-30 year olds who want to eat out less and cook more, Tender appeals to the sense by sourcing the most deliciously attractive food photos on the web. The swipeto-save interface is based on your favorite ingredient making it easy to find recipes you know you will enjoy. With this app, simply type in a food that you like and beautiful dishes will come to you for both your viewing and cooking pleasure.

FIND INSPIRATION AND EXCHANGE RECIPES WITH FRIENDS

Sharing tips and recipes through apps is a great way to improve your cooking skills and socialize online. Cookpad is a safe and secure app that lets you see recipes that have been published near to you, recipes by authors that you follow and those that are trending worldwide. Save





#01 – BigOven
By BigOven.com
Category: Food & Drink Requires iOS 9.1 or later. Compatible with iPhone, iPad, and iPod touch.



#02 – Tender - Social Food

By Omnomicon LLC Category: Food & Drink Requires iOS 6.0 or later. Compatible with iPhone, iPad, and iPod touch.





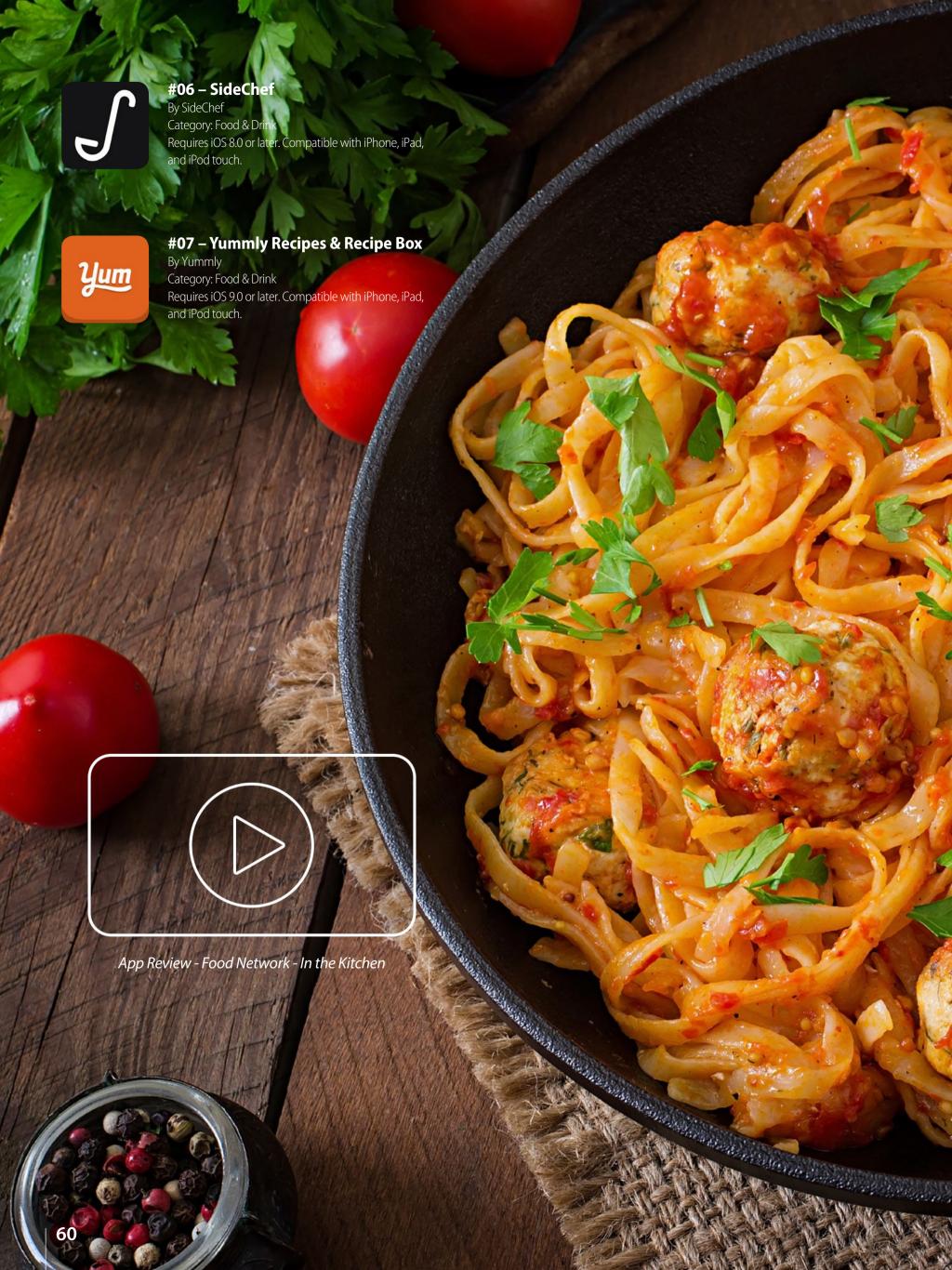


recipes you plan on making later and easily find them again via their own search. By taking photos and adding notes of your cooking process as you go, you can develop your skills in the best way that suits you. Once you're happy with your finished product, share them privately with friends or publish publically and start to gain a following of your own.

Allrecipes Dinner Spinner is currently the most popular food-focused social app, boasting a community of 30 million home cooks. The latest version allows users to personalize their own feed, which updates itself as you save recipes that you make and choose the cooks you wish to follow. A unique feature of Dinner Spinner is one which allows you to see ingredients that are on sale near you and even the possibility of a recipe suggestion when you enter certain stores. Step-by-step videos simplify the recipes and let you skip to the parts you might need to go over again. As your confidence in the kitchen grows, the app makes it easy to brag on social media with a quick sharing option.

COOK LIKE YOUR FAVORITE CELEBRITY CHEF

The **Food Network in the Kitchen** app brings all of your favorite TV chefs together in one place. With thousands of recipes to choose from, plus many more added each month, this app makes it possible to search either by chef or ingredient. Once you've found what you're looking for, there are photos and videos from notable Food Network shows that will assist you in your cooking and let you add your own notes and even suggest alternatives or substitutes for a particular recipe. With **recipe**





collections that include healthy meals, desserts, kid-friendly options and even cocktails, Food Network in the Kitchen is a one stop shop for all things food.

Similarly, the **SideChef app** makes cooking accessible and fun no matter your skill level by providing step-by-step photos, voice commands and instructions to help you make the most of your recipes. Just as with the Food Network app, you can follow recipes and advice from your favorite celebrity chefs and bloggers that you can add to your Cookbook and share with the SideChef community. Rate the recipes you like and dislike and share your cooking feats via a number of social media platforms, making your experience in the kitchen one that you can enjoy.

TAILOR RECIPES SPECIFICALLY TO YOU

With Yummly's tailored search engine option, users are able to search through hundreds of online recipes that fit their specific dietary requirements. This is a great app option for those looking for recipes that are vegetarian, vegan, gluten free or even if you're on a diet but still fancy a pizza. By automatically adjusting to your specific preferences, over time Yummly will begin to recommend recipes that it believes will interest you based on your lifestyle. Once you've found one you like, saving recipes and ingredients couldn't be easier than the in-app shopping list. Another useful feature is one that allows you to transfer your shopping list to Instacart so that you can easily order what you need and, depending on your location, and have them delivered to you within the hour.









WOW WITH A COCKTAIL OR IMPRESS YOUR GUESTS WITH THE CORRECT FOOD AND WINE PAIRING

Learning about wine can seem like a daunting task but **Pocket Wine Pairing** makes it enjoyable and easier to understand. The free app from Wine Paradigm gives you comprehensive access to hundreds of recipes alongside the best wines to go with which foods depending on different wine styles, grape varieties and blends. For those of us that aren't wine buffs, a 'Do's and Dont's' section comes in handy as well as a 'Quick Guide to Food Types' that gives easy to follow information.

The same goes for **Cocktail Flow**, an app that makes use of the limited selection of alcohol you might have in your house by giving you simple and easy to follow cocktail and smoothie recipes for any occasion. With an organized and clear interface, you can sort drinks by theme and type, making it easy to whip up an impressive array of cocktails for your dinner guests.

Whether you're Paula Deen or a complete kitchen novice, downloading some of these recipe and food apps for your iPhone, iPad and Apple TV will serve you well.

by Benjamin Kerry & Gavin



FACEBOOK EMPLOYEES TO GET 20 DAYS OFF FOR FAMILY BEREAVEMENT

Facebook says it is extending its bereavement policies and will also allow employees paid time off when a family member is sick.

The Menlo Park, California, company said
Tuesday that its employees will now get up to
20 days paid leave to grieve for an immediate
family member and up to 10 days to grieve for
an extended family member. Workers will also
be able to take up to six weeks paid leave to care
for a sick relative.

In a **Facebook post** announcing the changes, Chief Operating Officer Sheryl Sandberg said the company is also introducing paid family sick time - three days to take care of a family member with a short-term illness.

The company already offers four months of paid leave to new parents.





LONGTIME AUTODESK CEO STEPPING DOWN

The longtime CEO of the design software company Autodesk is stepping down after reaching an agreement with activist investors.

The company said Tuesday that the hedge fund Sachem Head Capital Management will vacate two board seats when a new chief executive is named.

Bass will step down Wednesday, but still holds a seat on board of directors and will be nominated for re-election at the company's annual meeting. Crawford W. Beveridge will remain non-executive chairman of the board.

In the Sachem Head agreement, Scott Ferguson and Jeff Clarke will resign from the board of directors.

The company said Bass, who has lead the company for more than a decade, and Autodesk's board began discussing succession more than 18 months ago as part of the board's longstanding succession planning process.









TECH COS. TAKE STAND AGAINST TRAVEL BAN

Through a Super Bowl ad, public statements and court filings, Silicon Valley's biggest companies are taking a strong stand against President Donald Trump's travel ban, saying high tech needs immigrants' creativity and energy to stay competitive.

Although the companies are risking a backlash from customers who side with Trump, they say the pushback is necessary for an industry dependent on thousands of highly skilled foreign workers.

About 58 percent of the engineers and other high-skill employees in Silicon Valley were born outside the U.S., according to the Silicon Valley Leadership Group, an industry trade group.





"Immigration and innovation go hand in hand," said Carl Guardino, the group's CEO. "This cuts so deeply into the bone and marrow of what fuels the innovation economy that very few CEOs feel the luxury of sitting on the sidelines. So people are going to stand up and speak up."

The tech industry contends there aren't enough Americans with the specialized skills these companies need. The ban, tech companies say, would make hiring even tougher and pressure them to move some operations abroad.

"A lot of these companies will really struggle if all of a sudden we turn off the spigot," said Greg Morrisett, dean of Cornell University's Computing and Information Science school.

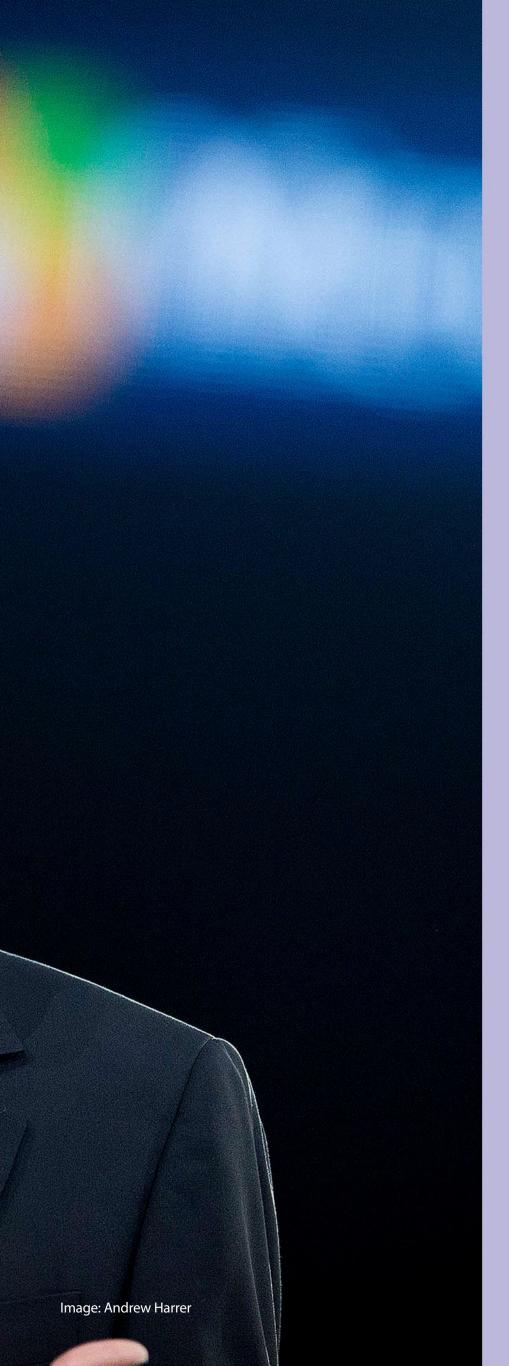
In a court filing Sunday against the ban, 97 companies, including such major tech players as Google, Apple, Microsoft, eBay, Netflix, Facebook and Twitter, also spoke of the entrepreneurial spirit of "people who choose to leave everything that is familiar and journey to an unknown land to make a new life."

Google CEO Sundar Pichai and Microsoft CEO Satya Nadella both came from India. Google co-founder Sergey Brin is a Russian refugee who moved to the U.S. as a boy. The father of Apple's late co-founder, Steve Jobs, immigrated from Syria.

The Silicon Valley Leadership Group estimates that half the companies in the region were cofounded by an immigrant or are now led by a CEO from outside the U.S.

In signing an executive order Jan. 27 that would temporarily ban people from seven Muslim-majority countries, Trump said he





was trying to protect Americans by preventing terrorists from slipping into the country. The administration says the president has the constitutional authority to decide who can enter.

During the Super Bowl, several companies ran ads that promoted diversity and inclusion, as marketers tried to reach both sides of a consumer base roiled by the election.

One of the most overtly political was from Airbnb, a company that matches travelers with places to stay. The San Francisco company showed close-ups of people with different ethnicities. A narrator says: "We believe no matter who you are, where you're from, who you love or who you worship, we all belong. The world is more beautiful the more you accept."

Airbnb followed up with a campaign to provide short-term housing over the next five years for 100,000 people in need, starting with refugees, disaster survivors and relief workers.

The company also said it will donate \$4 million over four years to the International Rescue Committee, joining many tech brethren in making financial contributions.

Google set up a \$4 million "crisis fund" in January to support organizations that are helping immigrants and refugees, while ride-hailing service Lyft pledged \$1 million over the next four years to the American Civil Liberties Union, one of the groups challenging the ban.

And workers from Google and Comcast workers have staged walkouts over the restriction.



"I wouldn't be where I am today or have any kind of life that I have today if this was not a brave country that really stood out and spoke for liberty," Brin **told a crowd** of Google employees who walked out in protest last week.

Tech companies risk alienating the many
Americans who support Trump and his policies.
But the risk is lower than that of, say, a company
that makes consumer products with plenty of
alternatives.

It's much harder to boycott a Facebook or Google, where you have friends or your email address, said digital marketing analyst Rebecca Lieb. She added that people are less likely to toss out a \$2,000 laptop or pricey mobile phone than change soft drinks.

In fact, tech companies might be more wary of backlash from the anti-Trump side. Last week, Uber CEO Travis Kalanick quit Trump's council of business leaders after an outcry from Uber customers and employees who were upset about the ban.

In addition, most tech companies have operations around the world and risk alienating customers abroad if they stay silent.

"We interact with a large global ecosystem and our businesses would not be here or be able to thrive without it," said Aaron Levie, CEO of Box Inc., an online storage service. "So our businesses are extremely sensitive, by default, to things that affect immigration and things that affect our relationship with the broader world."





WHY 97 COMPANIES ARE OPPOSING TRUMP'S TRAVEL BAN

Apple, Google and more than 90 other companies are pushing back in court against President Donald Trump's temporary travel ban, calling it unconstitutional, un-American and bad for the economy.

The companies filed briefs this week to back lawsuits from Washington state and Minnesota fighting Trump's travel ban. The ban keeps refugees and travelers from seven Muslimmajority countries from entering the U.S.

Trump has said his Jan. 27 executive order is necessary to prevent "radical Islamic terrorists" from coming to the U.S. The White House did not respond to a request for comment Monday.

The 97 companies are mostly in the technology industry and include social media companies Facebook Inc. and Twitter Inc. Non-tech companies participating include yogurt maker Chobani and jeans-seller Levi Strauss & Co.

Here's some of the reasons why they oppose the travel ban:

IT HURTS THE U.S. ECONOMY

Immigrants will avoid the U.S. and want to work in other countries where "their immigration status will not suddenly be revoked," the companies argued. They also said the ban makes it more likely that big companies will move employees overseas or make investments outside the U.S.

"Ultimately, American workers and the economy will suffer as a result," the companies said.

IT HURTS THEIR BUSINESS

The travel ban makes it harder for companies to "recruit, hire, and retain some of the world's best employees," according to the court filings.

The companies also say the ban disrupts dayto-day operations by making it more difficult to send employees to meetings and conferences abroad because of uncertainty over whether they can return.

IT'S UNLAWFUL

The companies said the executive order violates immigration laws and the U.S. Constitution because it bans people from entering the country based on their place of origin.





IT WILL HURT ENTREPRENEURSHIP

According to the court documents, 200 of the 500 companies on Fortune magazine's list of largest U.S. companies were founded by immigrants, or children of immigrants. That includes iPhone maker Apple and search company Google, both of which joined the court filing.

"The energy they bring to America is a key reason why the American economy has been the greatest engine of prosperity and innovation in history," the companies said.







#01 – Bitmoji - Your Personal Emoji

By Bitstrips

Category: Utilities / Free

Requires iOS 8.0 or later. Compatible with iPhone, iPad, and iPod touch



#02 - FOX Sports GO

By FOX Sports Interactive

Category: Sports / Free

Requires iOS 8.0 or later. Compatible with iPhone, iPad, and iPod touch.



#03 – Snapchat

By Snap, Inc

Category: Photo & Video / Free

Requires iOS 8.0 or later. Compatible with iPhone, iPad, and iPod touch



#04 – Instagram

By Instagram, Inc.

Category: Photo & Video / Free

Requires iOS 8.0 or later. Compatible with iPhone, iPad, and iPod touch



#05 - Cash me outside

By Anonymous Inc

Category: Games / Free

Requires iOS 9.0 or later. Compatible with iPhone, iPad, and iPod touch.



#06 – YouTube

By Google, Inc.

Category: Photo & Video / Free

Requires iOS 8.0 or later. Compatible with iPhone, iPad, and iPod touch.



#07 – Messenger

By Facebook, Inc.

Category: Social Networking / Free

Requires iOS 8.0 or later. Compatible with iPhone, iPad, and iPod touch.



#08 - Paper.io

By Voodoo

Category: Games / Free

Requires iOS 8.0 or later. Compatible with iPhone, iPad, and iPod touch.



#09 - Google Maps

By Google, Inc.

Category: Navigation / Free

Requires iOS 8.0 or later. Compatible with iPhone, iPad, and iPod touch.



#10 – Facebook

By Facebook, Inc.

Category: Social Networking / Free

Requires iOS 8.0 or later. Compatible with iPhone, iPad, and iPod touch.



#01 – WhatsApp Desktop

By WhatsApp Inc.
Category: Social Networking / Free
Compatibility: OS X 10.9.0 or later, 64-bit processo



#02 – Slack

By Slack Technologies, Inc.
Category: Business / Free
Compatibility: OS X 10.9 or later, 64-bit processor



#03 - Microsoft Remote Desktop

By Microsoft Corporation
Category: Business / Free
Compatibility: OS X 10.9 or later, 64-bit processor



#04 – Xcode

By Apple Category: Developer Tools / Free Compatibility: OS X 10.11.5 or later



#05 - The Unarchiver

By Dag Agren Category: Utilities / Free Compatibility: OS X 10.6.0 or later, 64-bit processor



#06 – 1Doc: Word Processor for Writer

By Chengyu Huang Category: Business / Free Compatibility: OS X 10.10.0 or later, 64-bit processor



#07 - Microsoft OneNote

By Microsoft Corporation Category: Productivity / Free Compatibility: OS X 10.10 or later, 64-bit processor



#08 – Fotor Photo Editor

By Chengdu Everimaging Science and Technology Co., Ltd Category: Photography / Free Compatibility: OS X 10.7 or later, 64-bit processor



#09 - OneDrive

By Microsoft Corporation Category: Productivity / Free Compatibility: OS X 10.9.0 or later, 64-bit processor



#10 – Dr. Cleaner: Disk, Memory, System Optimizer

By Trend Micro
Category: Utilities / Free
Compatibility: OS X 10.10 or later, 64-bit processor







#01 – Minecraft: Pocket Edition



#02 - Bloons TD 5



#03 - Heads Up!

By Warner Bros.
Category: Games / Price: \$0.99



#04 - Plague Inc.



#05 - Geometry Dash



#06 - HotSchedules

By HotSchedules
Category: Business / Price: \$2.99



#07 – Warmlight - Manual Camera & Photo Editor



#08 – MONOPOLY Game



#09 - True Skate



#10 – Facetune



#01 - GarageBand

By Apple Category: Music / Price: \$6.99 Compatibility: OS X 10.10 or later



#02 – Magic Trail - Mouse Pointer Animated Effects

By FIPLAB Ltd
Category: Entertainment / Price: \$2.79
Compatibility: OS X 10.10 or later, 64-bit processor



#03 – Magnet

By CrowdCafé
Category: Productivity / Price: \$1.39
Compatibility: OS X 10.9 or later, 64-bit processor



#04 - Gifox - Gif Recording and Sharing

By InteractiveWorks
Category: Utilities / Price: \$5.49
Compatibility: OS X 10.10 or later, 64-bit processor



#05 – Logic Pro X

By Apple Category: Music / Price: \$279.99 Compatibility: OS X 10.10 or later, 64-bit processor



#06 – Scrivener

By Literature & Latte
Category: Productivity / Price: \$62.99
Compatibility: OS X 10.6.6 or later



#07 – Dr. Cleaner Pro: Ultimate System Tuning Tool

By Trend Micro Incorporated Category: Utilities / Price: \$20.99 Compatibility: OS X 10.10 or later, 64-bit processor



#08 - Civilization IV

By Aspyr Media, Inc. Category: Games / Price: \$27.99 Compatibility: OS X 10.6.6 or later



#09 - Compressor

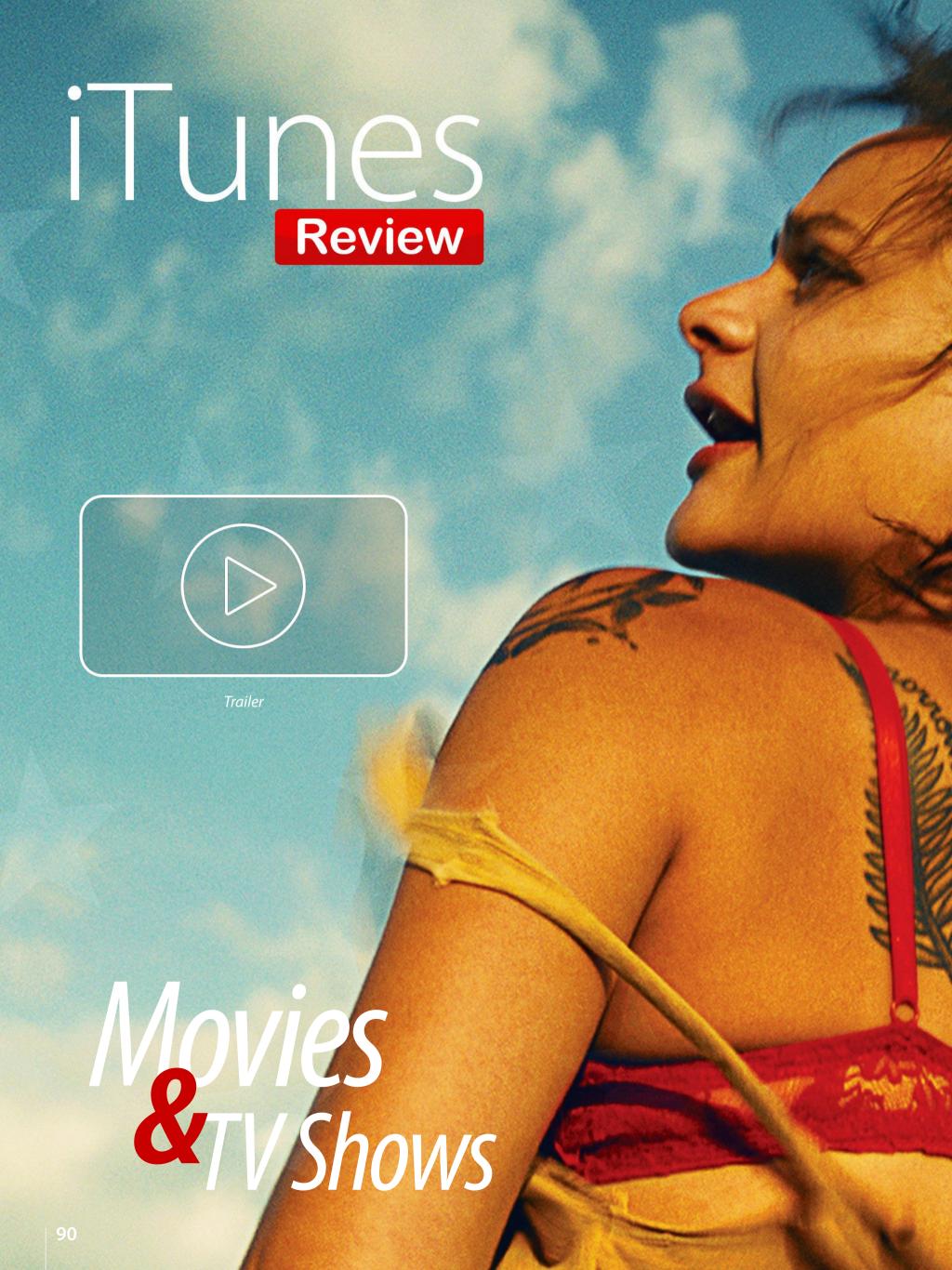
By Apple Category: Video / Price: \$69.99 Compatibility: OS X 10.11.4 or later, 64-bit processor

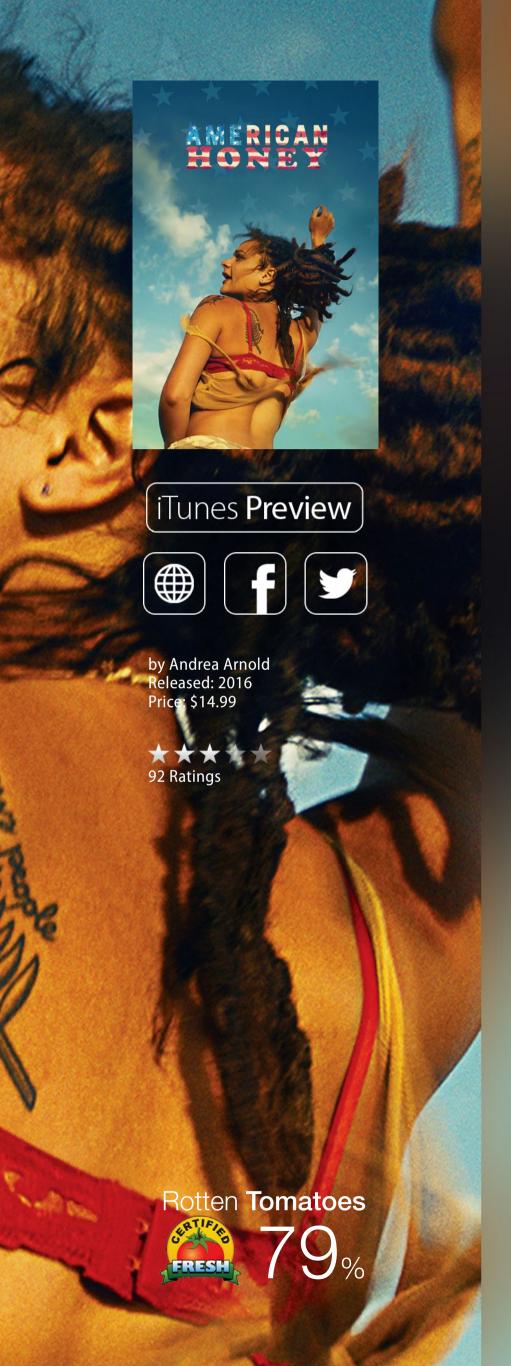


#10 – Total Video Player

By effectmatrix Category: Entertainment / Price: \$6.99 Compatibility: S X 10.7 or later, 64-bit processor





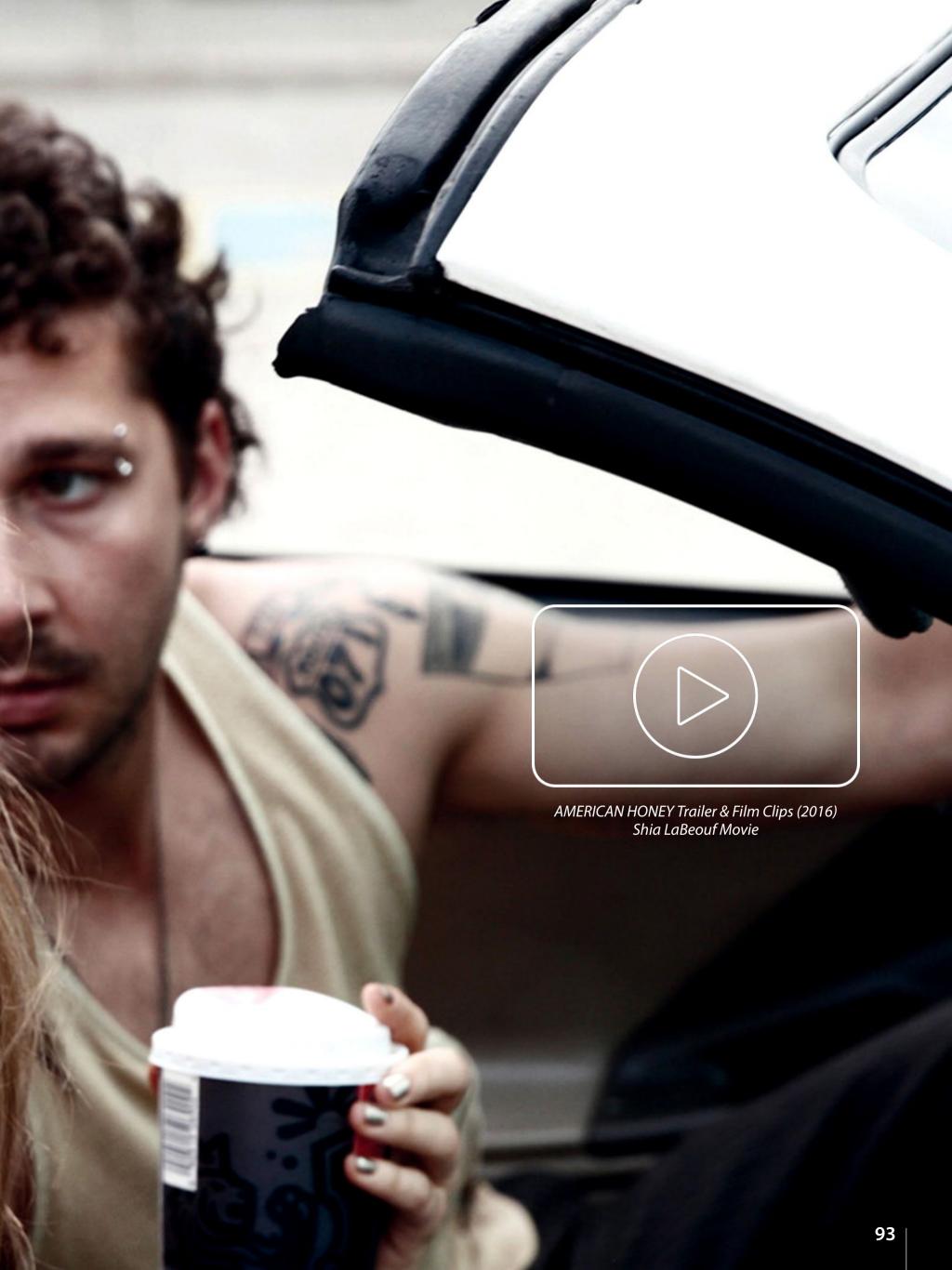


American Honey

Star, an adolescent with a troubled home life, runs away with a travelling sales crew across the American Midwest. She soon meets a gang of teenagers and is swept up into a lifestyle of law-bending, partying and young love.

- **1.** Much of the dialogue in the movie was improvised.
- **2.** During filming, Shia LaBeouf acquired 12 tattoos.
- 3. This is Sasha Lane's film debut.
- **4.** Andrea Arnold, the film's director, wanted to work with unknown actors so would approach teenagers on the street and hold impromptu auditions there and then.
- **5.** Shia LaBeouf injured himself while doing a stunt for the movie which involved him having stitches in his hand and head.

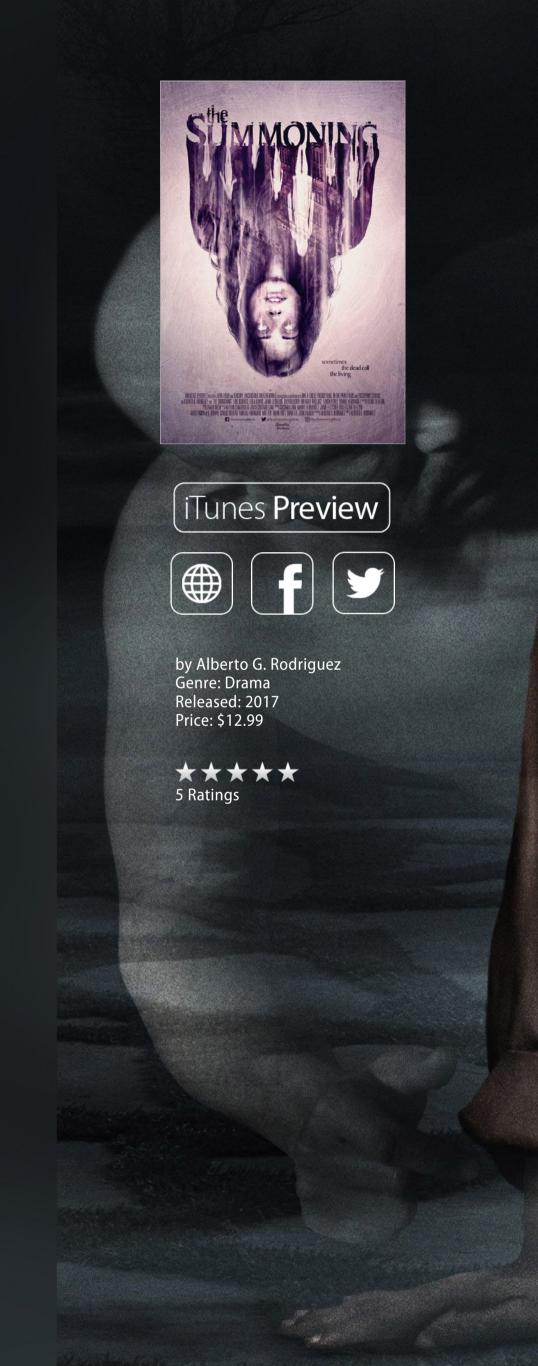




The Summoning

A young law student working on a centuryold murder case discovers chilling secrets and places her life at risk by releasing spirits from the past.

- **1.** During filming, several actors reported an 'eerie' presence while shooting their scenes in a number of different locations.
- **2.** This was the first ever movie to be granted permission to film at the historic Imperial Sugar Factory.
- **3.** The police station scenes were filmed in Richmond Police Department which is said to be haunted.
- **4.** The story is based on the haunting surrounding the town of Sugar Land in Texas.
- **5.** Rising flood waters threatened filming in a number of locations during production.

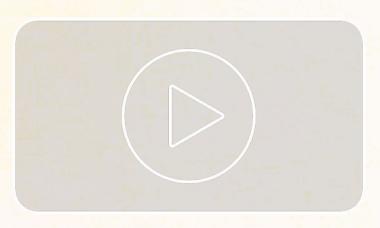








iTunes Review



(No One Knows Me)
Like The Piano



iTunes **Preview**







Genre: Electronic Released: Feb 03, 2017 10 Songs

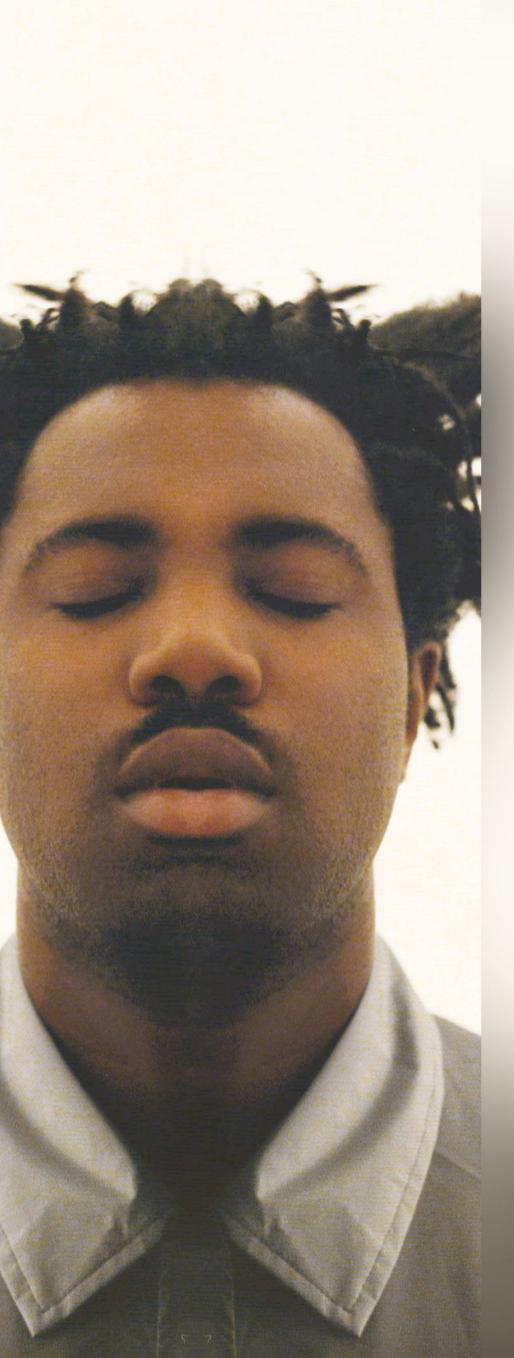
10 Songs Price: \$9.99



70 Ratings







Process Sampha

Sampha's long awaited debut album Process is a remarkable work of self-discovery, contemplation and personal growth.

- **1.** Sampha has produced and collaborated with artists including SBTRKT, Solange Knowles, Lil Silva and Jessie Ware.
- **2.** Released by Young Turks, Process is Sampha's debut album.
- **3.** Sampha has played the piano since the age of 3.
- **4.** He provided lyrics to Drake's 2013 album Nothing Was the Same.
- **5.** The albums notable ballad, (No One Knows Me) Like The Piano is a mournful dedication to his mother who passed away in 2015.

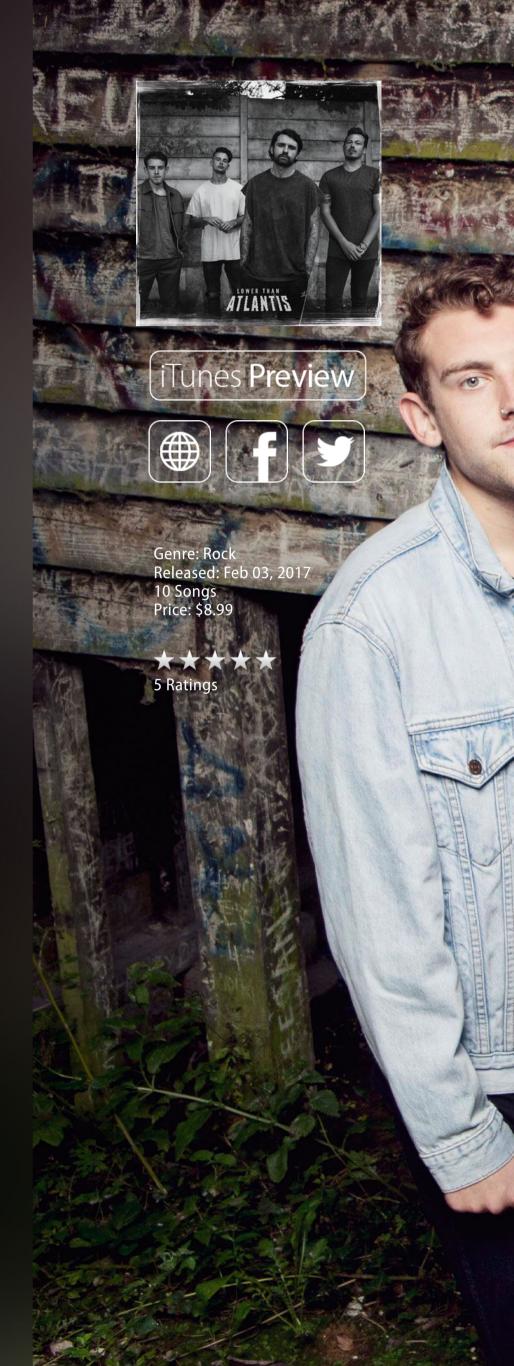




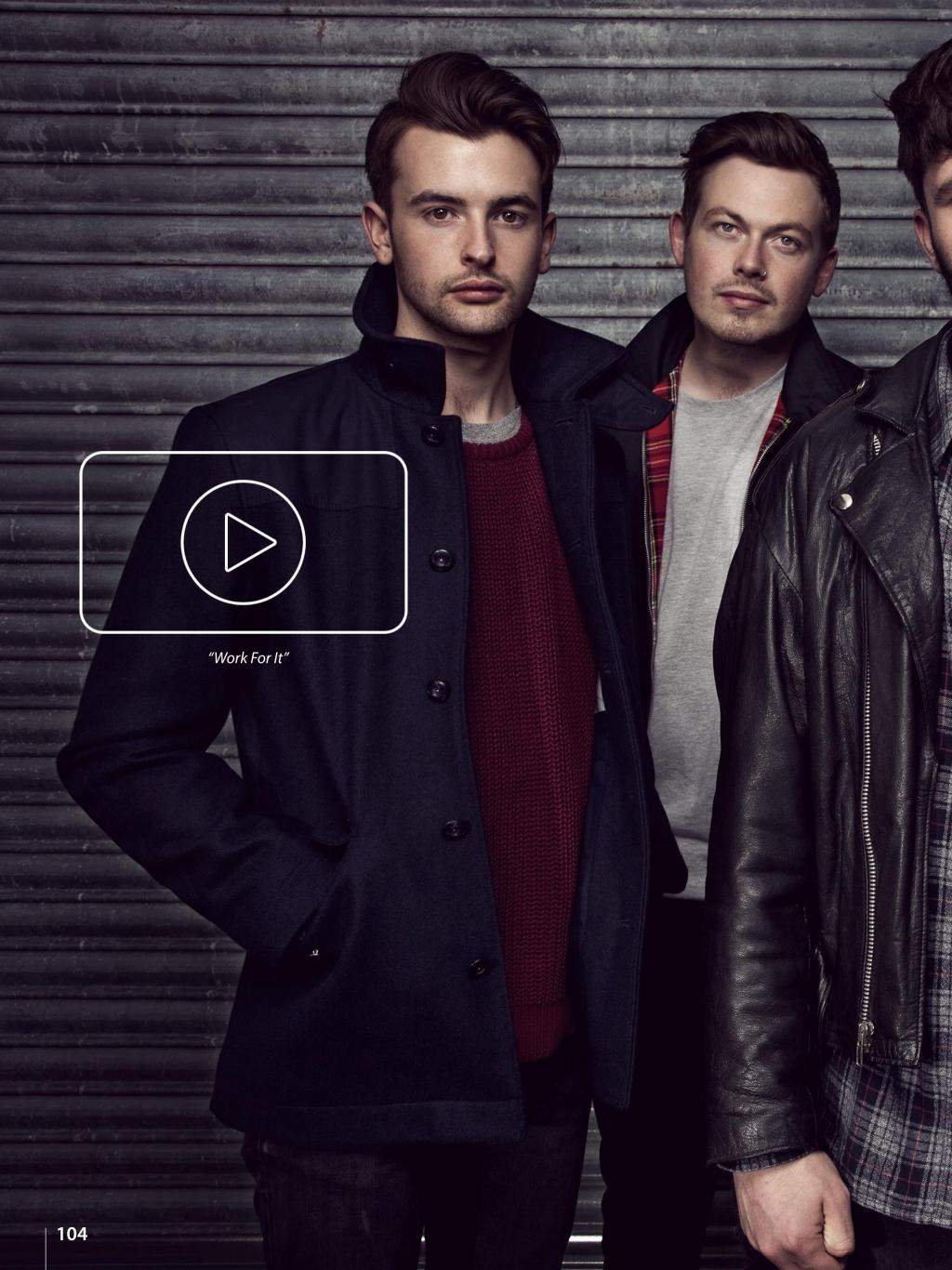
Safe In Sound Lower Than Atlantis

The fifth studio album from British alternative rock band Lower Than Atlantis continues in the vein of albums before it with tracks that have been immaculately constructed to demonstrate a more refined sound.

- **1.** The band was formed in 2007 in Watford, England while all the members were attending college.
- **2.** Following an ultimatum from their label, they built their own recording studio in July 2013.
- **3.** They played the Main Stage at Reading and Leeds festival in 2016 alongside artists including Chvrches, Die Antwoord, and Boy Better Know.
- **4.** They were the support act for All Time Low's UK tour in February 2013.
- **5.** The band has said to take their inspiration from artists including Pantera, The 1975 and Biffy Clyro.



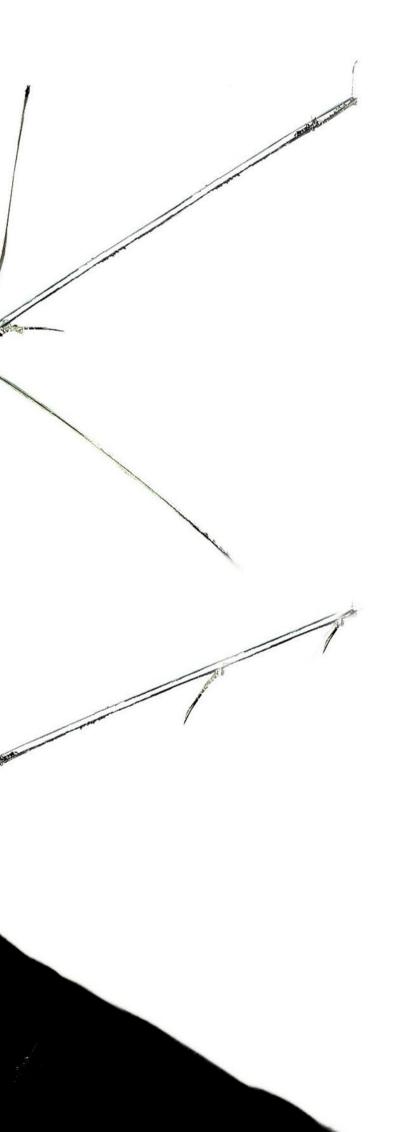








BOX OFFICE TOP 20: SHYAMALAN'S 'SPLIT' STAYS NO. 1 AGAIN



M. Night Shyamalan's psychological thriller "Split" led the box office for the third straight weekend thanks to a pair of underperforming debuts.

The horror sequel "Rings" opened with a weak \$13 million for Paramount Pictures, and STX Entertainment's fable of a boy born on Mars, "The Space Between Us," debuted with a mere \$3.8 million according to final box-office figures Monday. As usual, Hollywood largely ceded the weekend to the Super Bowl. But Oscar contenders like "Hidden Figures," "La La Land" and "Lion" continued to draw crowds.

The top 20 movies at U.S. and Canadian theaters Friday through Sunday, followed by distribution studio, gross, number of theater locations, average receipts per location, total gross and number of weeks in release, as compiled Monday by comScore:

1 "Split," Universal, \$14,424,195, 3,373 locations, \$4,276 average, \$98,540,660, 3 weeks.

*Rings," Paramount, \$13,002,632, 2,931 locations, \$4,436 average, \$13,002,632, 1 week.

3 "A Dog's Purpose," Universal, \$10,509,170, 3,178 locations, \$3,307 average, \$32,610,435, 2 weeks.

4 "Hidden Figures," 20th Century Fox, \$10,189,588, 3,401 locations, \$2,996 average, \$119,491,683, 7 weeks.

5 "La La Land," Lionsgate, \$7,372,066, 3,236 locations, \$2,278 average, \$118,228,990, 9 weeks.





6 "Resident Evil: The Final Chapter," Sony, \$4,701,302, 3,104 locations, \$1,515 average, \$22,053,077, 2 weeks.

"Sing," Universal, \$4,052,190, 2,293 locations, \$1,767 average, \$262,878,670, 7 weeks.

**xXx: The Return Of Xander Cage," Paramount, \$3,875,479, 2,478 locations, \$1,564 average, \$40,200,366, 3 weeks.

"The Space Between Us," STX

Entertainment, \$3,775,596,

2,812 locations, \$1,343 average,

\$3,775,596, 1 week.

10 "Lion," The Weinstein Company, \$3,760,097, 1,405 locations, \$2,676 average, \$24,465,771, 11 weeks.









1 1 "Rogue One: A Star Wars Story," Disney, \$2,922,879, 1,613 locations, \$1,812 average, \$524,632,391, 8 weeks.

12 "Monster Trucks," Paramount, \$2,166,214, 1,901 locations, \$1,140 average, \$31,160,807, 4 weeks.

13 "The Founder," The Weinstein Company, \$1,433,671, 936 locations, \$1,532 average, \$9,830,476, 3 weeks.

14 "Gold," The Weinstein Company, \$1,375,240, 2,166 locations, \$635 average, \$6,146,705, 2 weeks.

15 "Moana," Disney, \$1,337,481, 847 locations, \$1,579 average, \$242,096,996, 11 weeks.





16. "Manchester by the Sea," Roadside Attractions, \$1,324,456, 974 locations, \$1,360 average, \$43,799,269, 12 weeks.

1 "Fences," Paramount, \$1,233,943, 948 locations, \$1,302 average, \$52,659,963, 8 weeks.

18 "Patriots Day," Lionsgate, \$1,103,031, 1,003 locations, \$1,100 average, \$30,214,005, 7 weeks.

19 "Moonlight," A24, \$1,002,056, 842 locations, \$1,190 average, \$19,407,305, 16 weeks.

20 "Sleepless," Open Road, \$889,310, 672 locations, \$1,323 average, \$19,285,538, 4 weeks.

Universal and Focus are owned by NBC Universal, a unit of Comcast Corp.; Sony, Columbia, Sony Screen Gems and Sony Pictures Classics are units of Sony Corp.; Paramount is owned by Viacom Inc.; Disney, Pixar and Marvel are owned by The Walt Disney Co.; Miramax is owned by Filmyard Holdings LLC; 20th Century Fox and Fox Searchlight are owned by 21st Century Fox; Warner Bros. and New Line are units of Time Warner Inc.; MGM is owned by a group of former creditors including Highland Capital, Anchorage Advisors and Carl Icahn; Lionsgate is owned by Lions Gate Entertainment Corp.; IFC is owned by AMC Networks Inc.; Rogue is owned by Relativity Media LLC.





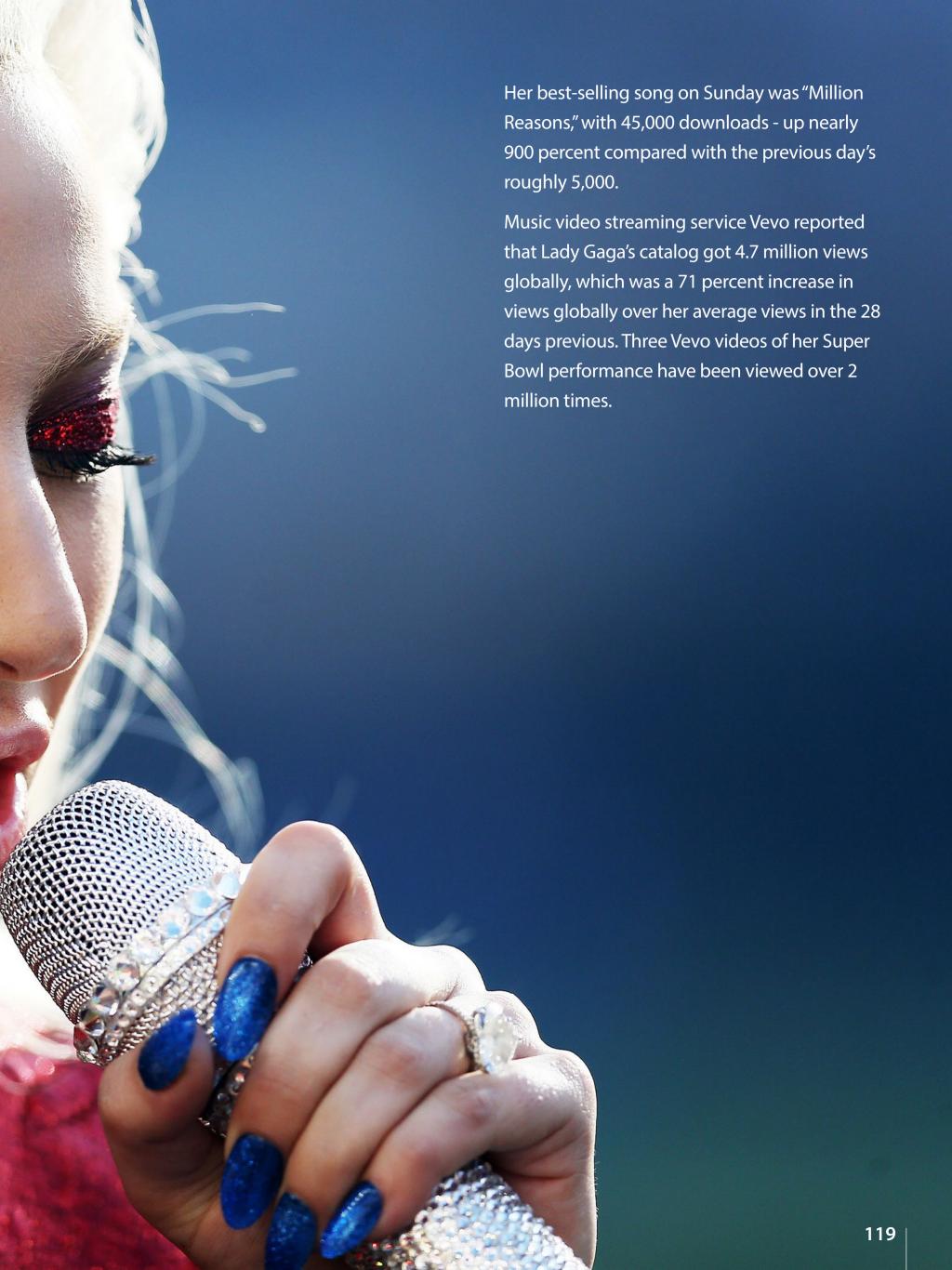
LADY GAGA'S SUPER BOVVL APPEARANCE SPURS HUGE DIGITAL SALES

The Super Bowl was a triumph for fans of the New England Patriots but it also became very lucrative for Lady Gaga.

The superstar singer who performed at the halftime show sold about 150,000 digital albums and songs in the U.S. on Sunday, a 1,000 percent increase over the day before, according to Nielsen Music.

Sales of Lady Gaga's songs "Born This Way," "Bad Romance" and "Poker Face" all spiked. Her albums sold more than 23,000 downloads and she had over 125,000 song downloads.









TWITTER BROADENS ITS CAMPAIGN AGAINST HATE AND ABUSE

Twitter announced Tuesday that it is expanding efforts to protect its users from abuse and harassment, the latest milestone in a broader, growing corporate campaign to crack down on online hate.

The social media giant said it has begun identifying people who have been banned for abusive behavior and it will stop them from creating new accounts. The company said its changes, which also include a new "safe search" feature, will be implemented in the coming weeks.





In July, Twitter banned conservative provocateur Milo Yiannopoulos, an editor of the right-wing news site Breitbart News, for "participating in or inciting targeted abuse of individuals." Twitter subsequently suspended the accounts of other prominent figureheads of the "alt-right" fringe movement, an amorphous mix of racism, white nationalism, xenophobia and anti-feminism.

Twitter has been under fire for failing to address hate and abuse on the site since its founding a decade ago. Balancing its reputation as a free speech haven has come into conflict with efforts to protect users.

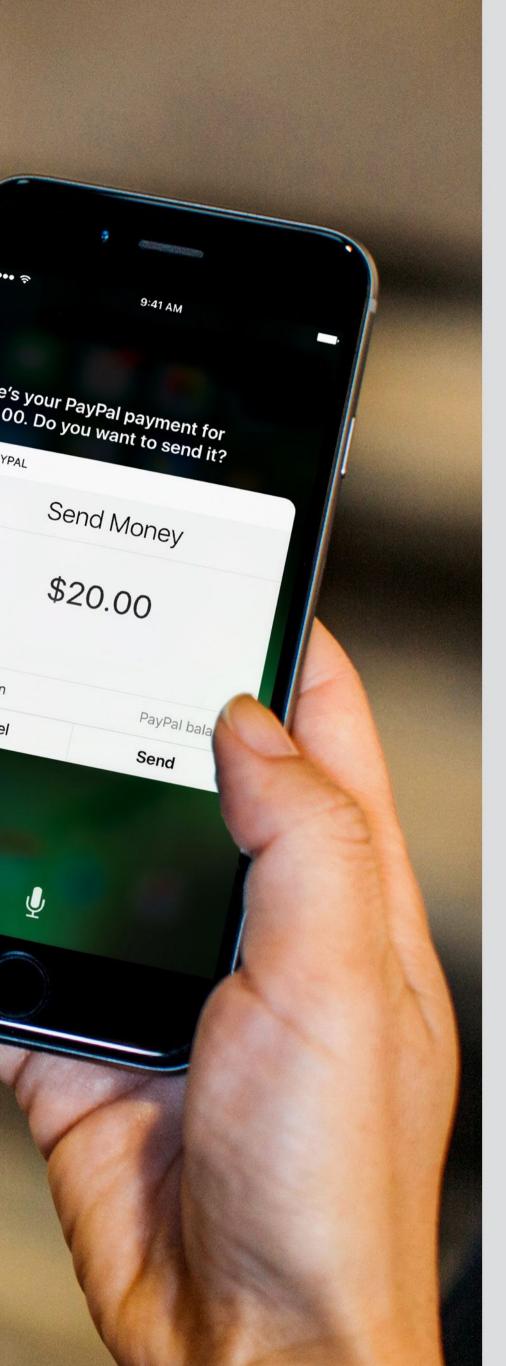
Other internet companies have taken recent steps to curb abusive behavior and ban users who violate rules against promoting hate.

Reddit banned a forum for white nationalists from its social news website last Wednesday. A message at the link for the "r/altright" subreddit attributed its ban to an impermissible "proliferation of personal and confidential information."

Also last week, the crowdfunding website
GoFundMe removed a campaign for a
conservative author and self-described
"researcher" on the internet conspiracy theory
known as "pizzagate," which alleged with no
evidence that Democrats were running a child
sex ring out of a Washington, D.C., pizza shop.
Brittany Pettibone had launched her GoFundMe
campaign for a video podcast about "traditional
values that once made Western Civilization
great," including "love of one's own culture, race
and country."

GoFundMe spokesman Bobby Whithorne said in an email that Pettibone's campaign was





removed because it violated the company's terms of service, which include rules against promoting hate, violence, harassment, discrimination, terrorism or "intolerance of any kind." Pettibone, who declined to be interviewed, tweeted that GoFundMe didn't specify how her campaign violated its terms of service.

Hate speech and promoting violence have long been barred under the terms of service of internet and social media companies such as Twitter and Facebook. But in the months leading up to the contentious presidential election, the emergence of the "alt-right" and high-profile trolling campaigns like one targeting "Ghostbusters" star Leslie Jones thrust the issue to the forefront.

In November, for instance, AppNexus announced that it removed Breitbart News from its online advertising network because it said the news outlet had violated its policy against hate speech. AppNexus, which connects buyers and sellers of online ad space," determined that Breitbart "deployed crude racial, ethnic, gender, and sexual slurs in a way that could incite violence or discrimination against minority groups," a spokesman said at the time.

The crackdown isn't limited to far-right extremists. In August, Twitter said it had suspended some 360,000 accounts over the previous year for violating its policies banning the promotion of terrorism and violent extremism. But the company says the changes announced Tuesday are "unrelated to that and focused on abuse and harassment."

Also on Tuesday, Twitter said it's creating a "safe search" feature that removes tweets with potentially sensitive content and tweets from blocked and muted accounts from search results. The tweets will still exist on Twitter if people look for them, but won't appear in general search results.

Twitter is also making some replies less visible so only the most relevant conversations surface.

Jennifer Grygiel, an assistant professor of communications at Syracuse University, said Twitter still relies too heavily on its users to root out and report abusive material.

"I have a simple fix: Just hire a lot more humans," Grygiel said.

Don Black, whose Stormfront website is one of the oldest and most popular internet forums for white nationalists, said PayPal, Facebook and Amazon have cancelled his accounts since he launched the site in 1995. Andew Anglin, founder of neo-Nazi website called The Daily Stormer, also has said on his site that PayPal permanently shut down his online payment account in 2015.

"Nobody lasts very long on PayPal if you're pro-white, which is unfortunate because a lot of people want to use PayPal to donate money," said Black, who instead encourages his supporters to donate with bitcoin, an electronic currency.

Leaders of the Anti-Defamation League and the Southern Poverty Law Center say they frequently communicate with online companies to flag users spreading hate on their sites.

"This is a game that never seems to end," said the SPLC's Mark Potok. "It's a bit of a whack-amole thing."









MAJOR GLOBAL VVARMING STUDY AGAIN QUESTIONED, AGAIN DEFENDED

Another round of bickering is boiling over about temperature readings used in a 2015 study to show how the planet is warming.

The issue is about how readings gathered decades ago were adjusted to try to get a clearer picture of how the Earth's temperature is changing now. Those adjustments have been questioned by some who reject mainstream climate science and have tried to claim there has been a pause in global warming.

A January study in a scientific journal used another set of measurements to confirm the readings and prove again that the earth's temperature is rising quickly and that the warming has not paused.

But a congressional committee on Tuesday seized on complaints from a retired scientist from the National Oceanic and Atmospheric





Administration about how the original data were handled to claim the data were falsified - even though the retired NOAA scientist they cite does not argue that it was.

What is being touted as a scientific scandal is more about data handling than what rising temperatures show, according to phone and email interviews with more than two dozen experts on the issue, including the former government scientist, whose blogging Saturday reignited a debate.

The hubbub was sparked when retired NOAA data scientist John Bates claimed in a **blog post** that his boss, then-director of the National Centers for Environmental Information Thomas Karl, "constantly had his 'thumb on the scale' - in the documentation, scientific choices and release of datasets - in an effort to discredit the notion of a global warming hiatus" and rushed **a study** published in the journal Science before international climate negotiations.

Bates said in an interview Monday with The Associated Press that he was most concerned about the way data was handled, documented and stored, raising issues of transparency and availability. He said Karl didn't follow the more than 20 crucial data storage and handling steps that Bates created for NOAA. He said it looked like the June 2015 study was pushed out to influence the December 2015 climate treaty negotiations in Paris.

However Bates, who acknowledges that Earth is warming from man-made carbon dioxide emissions, said in the interview that there was "no data tampering, no data changing, nothing malicious."

"It's really a story of not disclosing what you did," Bates said in the interview. "It's not trumped up data in any way shape or form."

Still, after Bates' blog post, the **House Science Committee**, a British tabloid newspaper and others who reject mainstream climate science accused NOAA of playing "fast and loose" with land and water temperature data.

House Science Committee Chairman Lamar Smith, R-Texas, speaking at a hearing Tuesday, called on Science to retract the 2015 study and blasted NOAA for not being cooperative with his subpoenas. When the journal's publisher Rush Holt, a physicist and former Democratic congressman, said the charges don't support a retraction because the issue is more about data procedures than science, Smith, an attorney, interrupted him and insisted: "They falsified global warming data."

The Karl study looked mostly at ocean temperature records several decades old and determined that those older readings skewed too warm when compared to modern monitoring from buoys and other devices because they were taken in ships' engine rooms. He adjusted those old readings down, which makes it clearer that the earth's temperature is rising now.

Since then, a new independent **study** from the University of California, Berkeley looked at the same issue in a different way, and confirmed the Karl calculations.

"Not using their data we get the exact same results, both for the ocean record and for the land," said Zeke Hausfather, lead author of the









Berkeley study. He called Bates' claims "all about procedural disagreements within NOAA that have very little bearing about our understanding about what's happening to Earth's climate."

Marcia McNutt, who was editor of Science at the time the paper was published and is now president of the National Academy of Sciences, praised Bates for wanting to highlight the importance of data archiving, but said his criticisms have little to do with the main part of the paper and chastised the House for using issues of data archiving to try to discredit the 2015 study.

"The study has been reproduced independently of Karl et al - that's the ultimate platinum test of whether a study is to be believed or not," McNutt said. "And this study has passed."

The Associated Press interviewed more than two dozen experts by phone or email. Most agreed with Karl or didn't take a side but said it didn't matter because global warming continues regardless of this latest kerfuffle. Two supported Bates, saying there were serious scientific integrity concerns.

As far as the study being rushed, the journal says its records show otherwise. Science's new editor-in-chief Jeremy Berg said it usually takes 109 days between a paper's submission and its publication. The Karl study was received by the journal on Dec. 23, 2014 and published 185 days later, on June 26, 2015.

"The paper was not rushed in any way," McNutt said. "It had an exceptional number of reviewers, many more than average because we knew it was on a controversial topic. It had a lot of data analysis."



TOP SONGS

MILLION REASONS

LADY **G**AGA

SHAPE OF YOU

ED SHEERAN

I DON'T WANNA LIVE FOREVER (FIFTY SHADES DARKER)

ZAYN & TAYLOR SWIFT

BODY LIKE A BACK ROAD

SAM HUNT

BORN THIS WAY

LADY GAGA

BELIEVER

IMAGINE DRAGONS

POKER FACE

LADY **G**AGA

PARIS

THE CHAINSMOKERS

BAD ROMANCE

LADY GAGA

JUST DANCE (FEAT. COLBY O'DONIS)

LADY GAGA



TOP ALBUMS

SING IT NOW: SONGS OF FAITH & HOPE
REBA MCENTIRE

THE FAME MONSTER (DELUXE VERSION)
LADY GAGA

DEAR EVAN HANSEN (ORIGINAL BROADWAY CAST RECORDING) VARIOUS ARTISTS

LA LA LAND (ORIGINAL MOTION PICTURE SOUNDTRACK)

VARIOUS ARTISTS

BORN THIS WAY LADY GAGA

THE GARDEN (DELUXE EDITION)
KARI JOBE

THE FAME

LADY GAGA

24K MAGIC

Bruno Mars

TROLLS (ORIGINAL MOTION PICTURE SOUNDTRACK)

VARIOUS ARTISTS

NOW THAT'S WHAT I CALL A WORKOUT 2017

VARIOUS ARTISTS





IDON'T (FEAT. YG)

MARIAH CAREY

MILLION REASONS

LADY GAGA

I DON'T WANNA LIVE FOREVER (FROM "FIFTY SHADES DARKER")

ZAYN & TAYLOR SWIFT

24K MAGIC

Bruno Mars

SHAPE OF YOU

ED SHEERAN

POKER FACE

LADY GAGA

BAD ROMANCE

LADY GAGA

FOREVER COUNTRY

ARTISTS OF THEN, NOW & FOREVER

PERFECT ILLUSION

LADY GAGA

BACK TO GOD

REBA MCENTIRE







TOP BOOKS ECHOES IN DEATH 1.D. Robb

BUTTONS & HATE

PENELOPE SKY

KING'S CAGE

VICTORIA AVEYARD

THE GIRL BEFORE

J.P. DELANEY

THE HANDMAID'S TALE

Margaret Atwood

RULES OF PREY

JOHN SANDFORD

FIFTY SHADES DARKER

E L JAMES

TEN BEACH ROAD

WENDY WAX

PROFITED

LACEY BLACK

NEVER NEVER

JAMES PATTERSON & CANDICE FOX





US UTILITIES SEEK SUN AS TRUMP SIDES VVITH COAL, FOSSIL FUELS

The plunging cost of solar power is leading U.S. electric companies to capture more of the sun just when President Donald Trump is moving to boost coal and other fossil fuels.

Solar power represents just about 1 percent of the electricity U.S. utilities generate today, but that could grow substantially as major electric utilities move into smaller-scale solar farming, a niche developed by local cooperatives and non-profits.

It's both an opportunity and a defensive maneuver: Sunshine-capturing technology has become so cheap, so quickly, that utilities are moving to preserve their core business against competition from household solar panels.

"Solar growth is so extensive and has so much momentum behind it that we're at the point where you can't put the genie back in the bottle," said Jeffrey R.S. Brownson, a Pennsylvania State University professor who studies solar adoption. "You either learn how to work with this new medium, solar energy, or you're going to face increasing conflicts."

The transition away from coal-burning power plants now seems unstoppable, even if Trump scraps rules requiring utilities to reduce greenhouse gas emissions. The average lifetime cost for utility-scale wind and solar generation in the U.S. is now cheaper than coal or nuclear and comparable to natural gas, according to financial advisory firm Lazard, which compared the fuel costs without their federal tax subsidies.

Wind and solar were expected to account for about two-thirds of the new electricity generation capacity added to the nation's power grid in 2016, outpacing fossil fuel expansion for a third straight year, according to the U.S. Energy Department.

And even though big investor-owned utilities operate as legal monopolies in many states, the bill-lowering appeal of rooftop solar for many homeowners could eventually threaten their ability to finance and manage the power grids.

These trends help explain why utilities are increasingly adopting a model called "community solar," or "shared solar," which involves customers agreeing to buy or lease solar panels on large arrays built for the utility, or to buy the power they produce. That electricity is then credited off utility bills under contracts that can lock in power prices for 10 years or more.

Utility-run shared solar also can address competition from independent solar companies that install and operate rooftop solar panels, harvesting and providing the energy at a fixed cost to the individual consumer or some other buyer.

These projects also could appeal to the roughly half of American households that can't install solar panels because they don't own their homes, lack the good credit needed to finance







an installation, or lack sufficient roof space where the sun shines consistently, the Energy Department's National Renewable Energy Laboratory reported.

Like the much larger solar operations covering large rural tracts with dark photovoltaic panels slanted toward the sky, electricity from the utilities' smaller-scale arrays feed into the local power grid, not directly to individual homes or businesses

Membership-based electric cooperatives, municipal utilities and even non-profit groups run most of these "solar gardens" around the country, but utilities are moving in. In California, Colorado, Massachusetts and Minnesota, they've been pushed into the space by state law.

Investor-owned utilities now back about 20 percent of the country's community solar programs across 32 states, and represent about 70 percent of the potential output, said Dan Chwastyk of the Smart Electric Power Alliance, a group providing utilities information about shifting into clean-energy technologies.

Charlotte-based Duke Energy Corp., the largest electricity company in the United States, this year plans to launch a community solar program in South Carolina and seek regulatory permission to do the same in North Carolina, Florida, Kentucky, Ohio and Indiana, utility vice president Melisa Johns said.

Minneapolis-based Xcel Energy Inc., Topeka, Kansas,-based Westar Energy, and California's three largest investor-owned utilities are among other power companies moving into community solar. Duke Energy's plan "just opens it up for a lot more people to go solar," said Sara Hummel Rajca, chairwoman of the South Carolina Solar Council, which brings local cooperatives, solar installers and academics together with the state's three major utilities.

Duke Energy's South Carolina residential customers would pay \$70 upfront for each subscribed kilowatt slice of power potential from a solar array and get credit for their share of what's produced, an investment that should pay for itself three years into the 10-year program.

These households would continue paying conventional power prices for any electricity they consume beyond what their share generates, spending to keep the transmission lines and backup plants working when the sun doesn't shine.

"We do have customers that want (community solar) and customers who are willing to pay for it, but it's not like we have every single customer that wants that," Johns said.

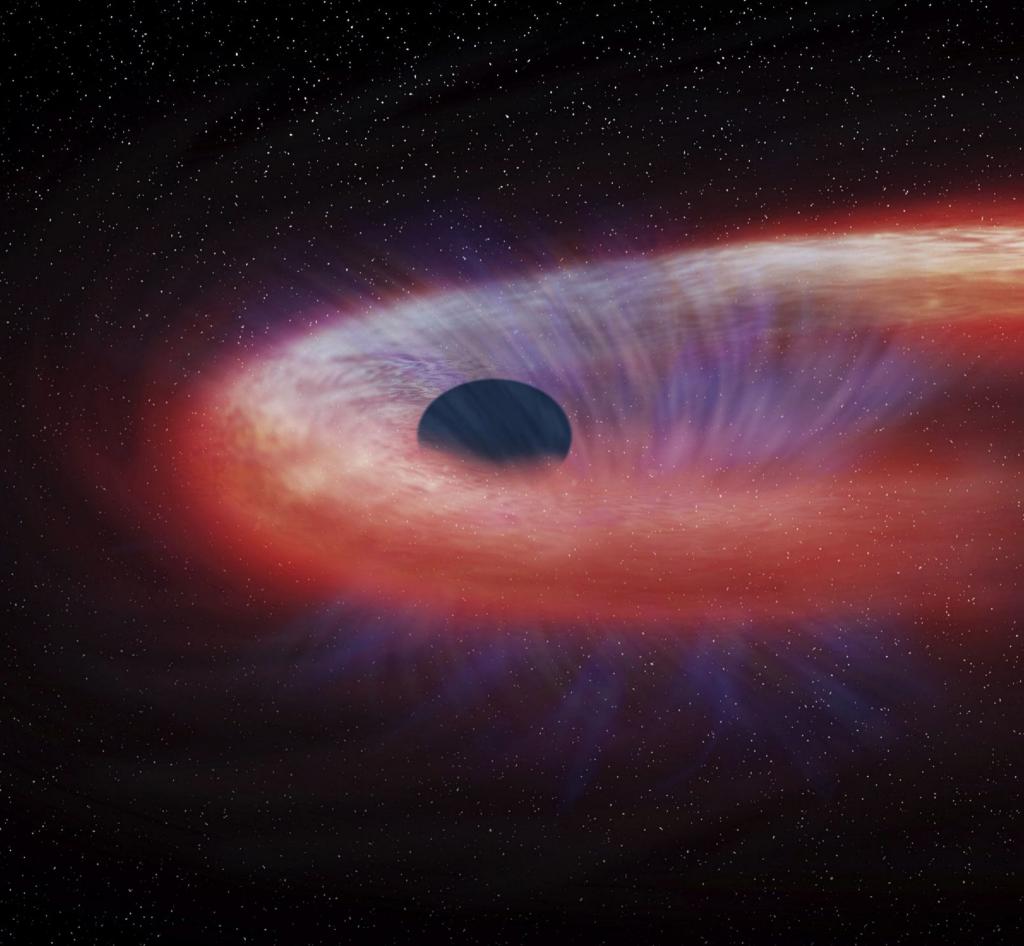
At the moment, switching from coal-fired power plants to natural gas is a cheaper way to reduce greenhouse gas emissions, said Stanford University economist Frank Wolak.

But utilities also need to hold onto their customers as solar power becomes more popular, said Wolak, who directs Stanford's Program on Energy and Sustainable Development.

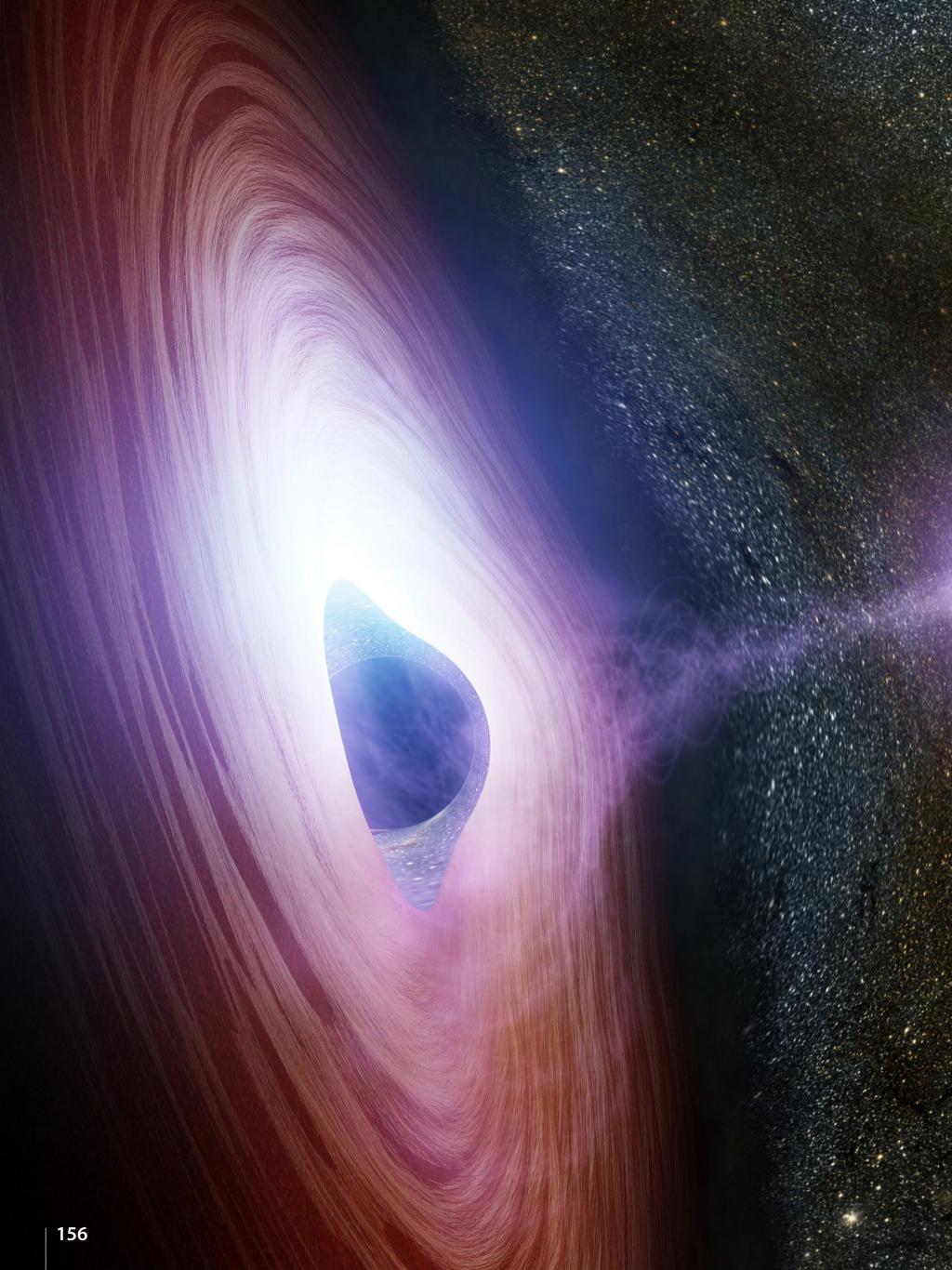
Utilities think: "If a customer signs up for community solar, we get the money. With rooftop solar, that money is going to the solar installer," he said.







BINGE EATER: BLACK HOLE TAKING OVER DECADE TO DEVOUR STAR





Scientists have detected a black hole that's taken a record-breaking decade to devour a star - and it's still chewing away.

The food fest is happening in a small galaxy 1.8 billion light-years from Earth.

University of New Hampshire research scientist Dacheng (dah-CHENG) Lin said that black hole feeding frenzies have been observed since the 1990s, but they've lasted just a year. At 11 years and counting, this is the longest known one yet.

Lin and his team used data from orbiting X-ray telescopes to study the monstrous munching. X-ray flares erupt when a star gets swallowed by a black hole and cooked millions of degrees. Black holes clearly like their stars well done.

"We have witnessed a star's spectacular and prolonged demise," Lin said in a statement.

The X-rays coming from this black hole surpass expectations in another way.

"For most of the time we've been looking at this object, it has been growing rapidly," said the Harvard-Smithsonian Center for Astrophysics' James Guillochon, a co-author. "This tells us something unusual - like a star twice as heavy as our Sun - is being fed into the black hole."

The binge eating by this particular black hole began around July 2005. Based on computer models, the feasting should taper off over the next decade.

The discovery was reported this week in the journal Nature Astronomy.







FOX DRAVVS AUDIENCE OF 111.3M FOR SUPER BOVVL, DOVVN SLIGHTLY

Fox drew an audience of 111.3 million viewers for the first Super Bowl to go into overtime, a smaller audience than the game has had in the last two years but still ranking among the biggest for a television program in the United States.

The top Super Bowl audience - and the biggest for any American TV show - was the 114.4 million viewers who saw the New England Patriots beat the Seattle Seahawks in 2015, according to the Nielsen company.

Viewership for the Patriots' come-from-behind 34-28 win over the Atlanta Falcons on





Sunday had a relatively modest start, perhaps because the Falcons don't have much of a national profile. The game also looked like a rout in the third quarter, and some 4 million viewers slipped away around the time the Falcons took at 28-3 lead, Nielsen said.

People returned as the Patriots came alive.

During overtime, the game had its biggest audience of 117.7 million, Nielsen said Monday.

The overall audience figure of 111.3 million is an average of how many people were watching during a typical minute, taking into account the game's peaks and valleys.

The audience was 117.5 million for Lady Gaga's halftime performance, Nielsen said. Earlier in the day, Nielsen said 12.2 million watched President Donald Trump's interview with Bill O'Reilly of Fox News Channel.

Last year's Denver-Carolina game reached an audience of 111.9 million.

LADY GAGA FOLLOWS UP SUPER BOWL SHOW WITH TOUR ANNOUNCEMENT

Fresh off a high-wire, crowd-pleasing halftime performance at the Super Bowl, Lady Gaga has announced plans for a world tour kicking off this summer.

Gaga posted news of the tour on **Twitter** late Sunday night. The 48-date tour includes stops in North America, Europe and Brazil.

Several of her U.S. dates include performances at baseball stadiums, including Chicago's Wrigley Field and Boston's Fenway Park.

The tour begins on Aug. 1 in Vancouver and wraps up on Dec. 14 in Salt Lake City.



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