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US president announces he's being investigated

US President Donald Trump announced Fri-US President Donald Trump announced Fri-day he is under investigation in connection with a probe into alleged Russian election meddling that is gnawing away at his admin-istration – and gathering pace.

The Republican leader also lashed out at the Justice Department's number two, the

man tasked with organizing the probe.

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The furious early morning barrage of tweets – his second in as many days – came as the special counsel investigating Russia's influence over his election pieced together a high-caliber legal team and readied to begin interviews, AFP reported.

Trumn is accused of firing FDI directors.

Trump is accused of firing FBI director James Comey over his refusal to steer the Russia investigation away from former na-tional security advisor and Trump ally Mike

Flynn.
The US president has denied trying to influence the investigation, but has acknowledged in an interview that Russia was on his mind

in an interview untal Russia was on his mind when he dismissed Comey.

"I am being investigated for firing the FBI Director by the man who told me to fire the FBI Director! Witch Hunt" he tweeted from the White House shortly before a day trip to Miami.

That appeared to be the first public con-That appeared to be the first public con-firmation that Trump is being investigated for obstruction of justice – and a digital sal-vo trained at Deputy Attorney General Rod Rosenstein, who wrote a memo criticizing Comey

Comey.

A source on Trump's legal team attempted to clarify the missive, claiming he was reacting to media reports about the investigation

ing to media reports about the investigation rather than offering public confirmation.

Meanwhile, special counsel Robert Mueller – a respected former FBI director – has sought to beef up his investigatory firepower.

Peter Carr, a spokesman for Mueller, said he now has "13 attorneys on board, with several more in the pipeline."

That will only add to a sense of forebod-ing that pervades the White House, from the

ing that pervades the White House, from the crammed collective workspaces of junior officials all the way to the Oval Office.

The widened Russia probe could have farreaching repercussions for Trump's presidency, transforming his closest aides into witnesses and sucking even more political oxygen out of the West Wing.



Gas deal with Total likely within weeks

gas deal with French oil major To-tal ment few weeks, said Oil Minister Bijan Namdar Zanganeh on

Minister Bijan Namdar Zanganen on Saturday. According to Shana, Zanganeh added, "Iran and Total are summing up the discussions on signing the con-tract for the development of Phase 11

of South Pars, and this is almost in the final stages.

He added, "The contract ... will be signed before the end of the (current) vernment '

Reelected in May, President Hassan Rouhani is expected to form his new

cabinet in August.
Total's CEO Patrick Pouyanne said

to conclude the South Pars gas deal before summer. The deal would be based on the new Iran Petroleum Con-

tract (IPC) scheme which has been postponed several times.

The company inked a preliminary agreement with Iran last year.

Continued on Page 4

Putin: New sanctions will harm Russia-US ties

Russian President Vladimir Putin on Saturday said new sanctions under consideration by the United States would damage relations between the two countries, but it was too early to talk about retali-

This will, indeed, complicate Russia-American relations, I

This will, maced, computate Russia-American relations. I think this is harmful, "Putin said, Reuters reported.

Putin said that Russia would be forced to make changes because of the sanctions, but they wouldn't lead to a "collapse."

The US Senate voted nearly unanimously earlier this week for legislation to impose new sanctions on Moscow and force President Donald Trump to get Congress' approval before easing any

In an interview with Rossiya1 state TV channel, excerpts of which were shown during the day on Saturday, Putin said he needed to see how the situation with sanctions evolved.

"That is why it is premature to speak publicly about our retaliatory actions," he said. Russia and the West have traded economic blows since 2014, after the reunification of the Black Sea peninsula of Crimea with Moscow.

sula of Crimea with Moscow.

The West imposed economic and financial sanctions that battered the rouble and the export-dependent economy. Moscow retaliated by banning imports of Western food.

The threat of a new wave of sanctions emerged this month as US policymakers backed the idea of punishing Russia for alleged meddling in the 2016 US presidential election and for supporting

Putin had previously dismissed the proposed sanctions, saying they reflected an internal political struggle in the United States, and that Washington had always used such methods as a means of trying to contain Russia.

GOPs divided as Trump reverses Obama Cuba policy

US President Donald Trump's decision to reverse some Obama-era Cuba policies landed with a thud among many congressional Re-

Cuba policies landed with a thud among many congressional Re-publicans who say the new approach surrenders a potentially lucra-tive market for American goods and services to competitors. While anti-Castro conservatives hailed Trump's partial roll-back of President Barack Obama's detente, a number of other GOP lawmakers, particularly from farm states, criticized the change as misguided and isolationist. They urged him to ease barriers with Havana that will boost trade and create jobs in both countries, AF reported on Saturday.



Rep. Rick Crawford said Trump's shift is more than just a missed opportunity for rural America, which would benefit from greater access to Cuba's agricultural import market. He said Trump's policy may put US national security at risk as strategic competitors

iey may put US national security at risk as strategic competitors move to fill the vacuum the uncoupling could create.

Sen. Jeff Flake, a frequent critic of Trump during the 2016 presidential campaign, said in a statement that any policy change "that diminishes the ability of Americans to travel freely to Cuba is not in the best interests of the United States or the Cuban people." Flake has been among the most outspoken lawmakers opposed to rolling back Obama's outreach to Havana. He's warned that returning to a "get tough" policy hurts everyday Cubans whose livelihoods are increasingly rooted in travel and tourism.

In his statement, Flake called for the Senate's GOP leadership to allow a vote on his legislation that he said would eliminate "archaic restrictions" on travel to Cuba that "do not exist for travel by Americans to any other country in the world." Flake's bill has 54 co-sponsors, including nine Republicans. Among them are Sens. co-sponsors, including nine Republicans. Among them are Sens. John Boozman of Arkansas, Mike Enzi of Wyoming and Jerry Moran of Kansas.

ran of Kansas.

During a speech Friday in Miami, Trump portrayed his updated policy as the fulfillment of a campaign promise to reverse Obama's diplomatic rapprochement with Cuba after decades of estrangement. Trump's approach is aimed at halting the flow of US cash to the country's military while maintaining diplomatic relations. US airlines and cruise ships would still be allowed to service the

island.
Yet new moves will burden the US government with the complicated task of policing US travel to Cuba to make sure there are no transactions with the military-linked conglomerate that runs much of the Cuban economy.

By restricting individual US travel to Cuba, the new policy also risks cutting off a major curve of income for Cuba'; private burie.

risks cutting off a major source of income for Cuba's private busirisks cutting on a major source of income for cuba s private busi-ness sector, which the policy is intended to support. Under the ex-pected changes, the US will ban American financial transactions with the dozens of enterprises run by the military-linked corpora-tion GAESA, which operates dozens of hotels, tour buses, restau-rants and other facilities.

British PM tries to quell public anger after deadly London fire

British Prime Minister Theresa May's government sought on Saturday to quell anger over a deadly tower block fire by pledging to support the victims of the blaze after protesters jeered her when she visited local residents.

when she visited local residents.

May was rushed away from a meeting with residents on Friday under heavy police guard as protesters shouted "Shame on you" and hundreds stormed a local town hall calling for

sormed a ocea town nan caiming for justice, Reuters reported. After a botched snap election that lost her party its majority in Parlia-ment, May is facing criticism for her response to the blaze which engulfed the 24-storey apartment block of so-cial housing on Wednesday, killing at least 30 reports.

Residents of the destroyed tower Residents of the destroyed tower said May was far too slow to visit the stricken community that the building had been unsafe, and that officials have failed to give enough information and support to those who have lost relatives and their homes

Asked repeatedly whether she had



misread the public mood, May did not answer directly but said the focus was

on providing support to the victims. "Government is making more on providing support to the victims.

"Government is making money available, we're ensuring that we're going to get to the bottom of what's happened, we will ensure that people are rehoused. But we need to make sure that that actually happens," May exid.

The death toll is expected to rise, as at least 60 people remain unaccounted for. Alongside both police and fire investigations into the blaze, she has

investigations into the blaze, she has promised to set up a public inquiry. She also pledged 5 million pounds (\$6.39 million) of support, housing guarantees and help with access to bank accounts and cash. Those who lost their homes will be rehoused within three weeks, she said.

One of her closest allies, Damian Green, defended May on Saturday, adding that a team would go to the area to answer questions from residents

to answer questions from residents.

"The Prime Minister is distraught about what has happened," said Green, who was appointed May's deputy in the wake of the general election.

"We're all desperately sad, we're all angry, but of course none of us as persons of the way have wear directly and the same of t

angry as those who were directly affected. I absolutely get why they're angry," Green said.

While the blaze has prompted an While the blaze has prompted an outpouring of generosity, with many people donating provisions and clothes, it has also unleashed rage at the authorities as the charmed tower was cast as a deadly symbol of a deeply divided society.

Angry protesters chanting, "We want justice," stormed their way inside.

the Kensington and Chelsea town hall

on Friday

Opponents said May's handling of the fire has thrust her position further into doubt by showing a failure to feel the public mood and act decisively.

After a tumultuous week that After a tumultuous week that pitched Britain into its deepest political crisis since the Brexit referendum a year ago, May's future was already uncertain due to her failed gamble on a snap election. Britain is now likely to go into arduous talks on Monday about

go into arduous taiks on Monday arout its exit from the European Union with a weakened leader who is dependent on a small Northern Irish party.

Matthew Parris, a columnist and former Conservative lawmaker, said May's response to the fire had shown a lack of indement which made her. a lack of judgement which made her unsuitable to be prime minister.

unsuitable to be prime minister.

"Wallowing in the wash of a general election that stripped our prime minister of her authority on the very eve of EU negotiations, neither common sense nor the evidence suggest she can re-establish public confidence," Parris worst in the Times.

IRAN 🕲 DAILY 🗀 🐎 National

Official: Foreign tours unaffected by Tehran attacks

There has not been any report of cancellation of tours of Iran following the recent terrorist attacks in Tehran, a vice president said.

president said.

An inquiry from Iran's private tourism agencies shows that none of the tours of the country for foreign tourists has been called off as a consequence of the recent attacks in Tehran, Head of Iran's Cultural Heritage, Handicrafts and Tourism Organization Zahra Ahmadipour said.



On June 7, terrorists launched simultaneous attacks on Iran's Parliament building in downtown Tehran and on the mausoleum of the founder of Islamic Republic Imam Khomeini, south of the city, killing 17 people and wounding more than 40 others. The Daesh terrorist group claimed responsibility for the attacks, Tasnim News Agency reported.



Ahmadipour pointed to a sharp rise in the number of Brazilian tourists visiting Iran, particularly the historic cities of Shiraz and Isfahan, and unveiled plans to facilitate such

Tehran-Sao Paulo direct flight

Efforts are underway to launch a direct flight between Tehran and Brazil's Sao Paulo, which takes around 20 hours, she noted.

hours, she noted. There has been a growing trend in Iran's tourism industry following implementation of a nuclear agreement between Tehran and world powers in 2015. Iranian President Hassan Rouhani, who won a second term in the recent election, has repeatedly highlighted the role of tourism industry in creating job opportunities for the country's young labor force.





Parliament to weigh measures against US sanctions bill

Tranian Parliament plans to discuss a draft of a plan aimed at taking retaliatory measures against US anti-fran sanctions, a lawmaker said on Saturday.

Kamal Dehqan Firouzabadi said that the draft has been prepared by the Parliament Program Control Vision Sanctions.

ment Research Center and National Security and Foreign Policy Committee and is scheduled to be discussed in a session on July 2, IRNA reported.

On Sunday, Parliament Speaker Ali

Larijani urged Parliament National Se-curity and Foreign Policy Committee to draw the draft.

He also described the Senate's bill as a brazen violation of the spirit of the Joint Comprehensive Plan of Action (JCPOA), a nuclear agreement between Iran and P5+1 group of countries

- Russia, China, the US, Britain, France

and Germany.

The Iranian lawmaker then called on

the Iranian delegation monitoring the JCPOA, the country's Supreme National Security Council, and the administration to begin implementing a parliamentary law to retaliate any breach of the JCPOA by the other parties to the

Under a law, passed by the parliament in October 2015, the administration should take retaliatory measures immediately and report back to the legislature.

On Thursday, the US Senate over-whelmingly passed a bill that would step up sanctions against Iran and Russia. The measure, passed by a vote of 98 to 2, in-cludes new sanctions on Iran over its bal-listic missile program and alleged "con-tinued spaned feet termine". tinued support for terrorism.

In order for the new Senate bill to be-come law, it must still pass the US House of Representatives and be signed by Pres-ident Donald Trump.

Zarif to leave Tehran for Africa today

Iran's Foreign Minister Mohammad Javad Zarif is to pay a two-day visit to three North African countries, Foreign Ministry spokesman said on Saturday.



The Iranian foreign minister is to visit Algeria, Mauritania and Tunisia at the invitation of the governments of the African countries, the ministry said, IRNA reported.

Zarif is scheduled to meet with the head of states of the three African countries as well as

Zarit is scheduled to meet with the head of states of the three African countries as well as his counterparts, the ministry's spokesman Barharn Qassemi said.

Qassemi said that the visits are aimed at boosting the ties between Iran and the African countries, as well as talks on developments in the region, including Syria and the Persian Gulf. Highlighting the need for Muslim unity with regard to the regional situation, Qassemi said, "The Islamic Republic of Iran believes that Muslim countries should consolidate unity and convergence" against hostile and divisive plots. Iranian government has always called the expansion of relations with African countries as its priority.

Iran, UNIDO sign MoU to cooperate on carbon sequestration

A Memorandum of Understanding (MoU) was signed between Iran and the United Nations for the third phase of the international program carbon sequestration in four Iranian provinces.

The MoU, signed by Forests, Range and Watershed Management Organization and The United Nations Industrial Development Organization (UNIDO), is expected to cover five regions: Yazd, North Khorasan and Golestan provinces, IRNA reported.

Carbon sequestration is a biological process to store carbon in plants and soil.

and soil.

The memorandum of understanding was signed by UNIDO Resident Representative in Tehran Gary Lewis and the head of Forests, Range and Watershed Management Organization, Khodakaram Jalaii.

The project started from a single village in North Khorasan, and currently is being implemented in some 300 other villages, influencing the life of 120,000 inhabitants, added Lewis.

It is not a mere soil restoration plan; rather it can lead to a full development by engaging local communities through rural community development, he added.

The international carbon professional control of the profession of the profession of the communities of the communities of the community development.

The international carbon precipitation is not only aimed at fighting de-The international carbon precipitation is not only aimed at lighting de-sertification, but the plan will lead to saving energy, soil erosion preven-tion, economic development, and boosting employment in Iran, the UN coordinator reiterated.

After being piloted, the project's benefit in just one of Golestan Prov-ince villages was about 1.8 million dollars (60 billion rials), which is a significant figure, he added.

Iran ready to fully supply Qatar food requirements

A top Iranian official said the country stands fully to supply the food requirements of Qatar much beyond its current needs.

mucn beyond its current needs.

Abbas Maroufan, the deputy head of the Domestic Trade Branch of the Government Trading Corporation of Iran, was quoted by media as saying
that Iran could support the food requirements of "10
countries like Qatar".

Maroufan emphasized that Iran had no problem maroutain emphasized that train had no protein in supplying Qatar's food needs, stressing the Islamic Republic would quickly do so as soon as there was a request to the same effect from Doha, Press TV reported.

Iran started to export food to Qatar immediately after the Persian Gulf country came under a block-ade earlier this month by Saudi Arabia and several of its allies as a result of a row over regional policy.

of its allies as a result of a row over regional poli-

Officials in Tehran over the past week said at least five planeloads of food supplies each weighing 100 tons had been sent to Qatar.

On Wednesday, Iran said it had sent a ship with 180 tons of fruits and vegetables to the Persian Gulf

180 tons of fruits and vegetables to the Persian Gulf emirate. Iran's media said the shipment was made on Tuesday from the country's southern port of Bandar Lengeh in Hormuzgan Province. Officials had already said it would take a maxi-

mum 12 hours for a ship to reach Qatar from Iran's

mum 12 hours for a ship to reach Qatar from Iran's southern ports.

Other reports said Iran was also looking into exporting dairy products to Qatar and certain negotiations to the same effect were underway.

Officials have been quoted by media as saying that Iran could ship at least 45 tonnes of dairy products of the same of the

ucts to Oatar.



Iraqi forces release border crossing to Syria from Daesh

raqi forces took Saturday a border crossing point to Syria from the Daesh terrorist group, increasing pressure on the terrorists and getting closer to meeting up with Syrian forces and their allies who reached the border earlier this month for the first time in years.

Tribal forces and border police, supported by Iraqi and US-led coalition aircraft took part in the operation to take

craft, took part in the operation to take the Al-Waleed crossing, the Iraqi Joint Operations Command said in a statement,

Operations Command said in a statement, AP-reported.

Al-Waleed, in the far west of Iraq, fell to the Daesh group in 2015, giv-ing the terrorists full control of the Iraq-Syria border, which they vowed to erase as part of their ambition to build

Saturday's push by Iraqi troops came nearly three weeks after Iraq's para-military forces — mostly Shia fighters referred to as the Popular Mobilization Forces - reached the Syrian border in northeastern Iraq.
In recent months the terrorists have

In recent months the terrorists have been coming under increasing pressure in Iraq and Syria where they have lost vast parts of the land they declared as a cali-phate in Syria and Iraq in June 2014. US troops and the US-backed militia

control the At-Tanf area on the other side



from Al-Waleed. Earlier this month, Syrian government forces outflanked US ad-

At-Tanf border crossing to establish their

visers and the armed groups holding the
At-Tanf border crossing to establish their own link to Iraq for the first time in years.
The Iraqi side is still held by Daesh.

British Airways cabin crew to stage two-week strike

British Airways (BA) cabin crew are to stage a two-week strike from July 1, the Unite union said, in a long-running dispute over pay and benefits. Unite said BA had refused to accept its final offer on the issue of the "sanctioning" of striking cabin crew, BBC reported.

The union claims that crew who previ-

The union claims that crew who previ-ously walked out have not had their bo-nuses or benefits, including free and dis-counted travel, restored.

BA said that the proposed action was "extreme and completely unnecessary".

Unite said it would "vigorously" pur-

Unite said it would "vigorously" pur-sue legal action against BA on behalf of

the 1.400 cabin crew affected. the 1,400 cabin crew affected.

The union claims that British Airways has formed a "blacklist to impose sanctions on striking cabin crew," which has led to bonus payments being cut and the removal of staff travel concessions.

Unite had originally planned a four-day strike to start on Friday, but this was suspended while the two sides tried to re-

solve the dispute.

However, the union has now said its members among BA's mixed fleet crew will go on strike from 0010 on Saturday July 1 to 23:59 on Sunday July 16.



BA reassured passengers that it would continue to fly all customers to their destinations

The airline said: "We had reached a deal on pay, which Unite agreed was acceptable. Unite has already confirmed it is pursuing the non-pay issues in this dispute through the courts.

'We urge Unite to let its members vote

on the pay proposals."
Howard Beckett, Unite assistant general secretary, said: "The refusal by British Airways bosses to meaningfully consider our compromise offer is deeply disappointing. pointing.

"A resolution to this long-running dis-A resolution to this long-running dis-pute was within the grasp of British Air-ways, but instead of grabbing that oppor-tunity, bosses rebuffed it. It now means British Airways faces an entirely avoid-able two-week strike and prolonged le-gal action on behalf of over 1,400 mixed cabin crew.'

There have been 26 days of strike action by BA staff since the start of the year.

Turkey frees PM advisor detained over Gulen links

Turkish authorities on Saturday freed the top advisor to Prime Minister Binali Yildirim detained on suspicion of links to the movement of US-based political figure, Fethullah Gulen, blamed for last year's failed coup, state media reported.

Birol Erdem, a former senior Justice Ministry official, was re-leased under judicial supervision which means he should still face trial, a date for which has yet to be set, AFP reported.

He had been taken into custody. He had been taken into custody in Ankara earlier this month along

in Ankara earlier this month along with his wife Gulumser Erdem.

Unlike her husband, she was, however, placed under arrest by an Ankara court ahead of trial, the state-run Anadolu news agency reported.

Erdem, who was questioned for three days, had been accused of

seeking to violate the constitution and being a leader of "an armed terror group".

President Recep Tayyip Erdogan has vowed to wipe out Gulen's influence in Turkey after the failed July 15 coup seeking to oust him from power. Gulen denies any involvement in the coup.

A state of emergency declared days after the coup has since seen about 50,000 people arrested and over 100,000 lose their jobs, the biggest purge in the country's modern his-

But there has been criticism the purge has touched few at the heart of power and Erdem was one of very few top civilian officials to have been detained.

Reports at the time said Erdem was detained after other suspects had named him in their

In a separate development, the son-in-law of Istanbul Mayor Kadir Topbas, Omer Faruk

Kavurmaci, was detained again by police on suspicion of business links to Gulen.

Kavurmaci had been detained in October but was released in May on health grounds as he suffers from epilepsy. This had sparked angry claims he had benefited from nepotistic and preferential treatment.

Seven US Navy crew missing, commander hurt in crash off Japan

The US and Japan conducted a major search operation Saturday to find seven missing American sailors after their destroyer collided with a much larger container ship, crushing the side of the military vessel.

Planes, boats
and helicopters
council the second

scoured the seas off Japan's Pacific coast in a bid to find the crew who disappeared in the predawn accident, which also left the which also left the USS Fitzgerald's skipper injured, AFP reported. It was not clear where the missing

sailors were when the collision hap-

pened. "Search



Damaged guided missile destroyer USS Fitzgerald is seen a colliding with a Philippine-flagged container ship, on June 17, 2017.

Search

and
rescue efforts continue by US and Japanese aircraft and surface vessels in the hopes of
recovering the seven USS Fitzgerald (crew) still unaccounted for," the nary said Saturday evening. The names were withheld until their families have been notified.

Several other crew members were injured and had to be evacuated by air to hospital,

including the guided missile destroyer's commanding officer Bryce Benson.

including the guided missile destroyer's commanding officer Bryce Benson. The collision between the Fitzgerald and Philippine-flagged container ship ACX Crystal happened around 2:30 a.m. (1730 GMT Friday) off the coast of the Izu peninsula, southwest of Tokyo.

The damaged ship later sailed back to its base in Yokosuka. The accident happened 104 kilometers (56 nautical miles) southwest of the area, the navy said.

The crash site is a busy shipping channel that is a gateway to major container ports in Yokohama and Tokyo. "The volume of ships is heavy in this area and there have been accidents before," coastguard official Yutaka Saito told Japan's public broadcaster NHK.

Electoral victory will make France's president a potent force

Florence Lehericy is a nurse, but on Monday she is likely to start a Florence Lehericy is a nurse, but on Monday she is takely to start a new career as a parliamentary deputy for Calvados, in northern France. Jean-Marie Fiévet, a fireman, will join her from a constituency in Deux Sèvres in the west. Both are political novices. They belong to La République en Marche! (LRM), the movement behind Emmanuel Macron, who last month also won his first ever election — and duly took control of the Elysée Palace. Welcome to the revolution.

tion.

Across France people have risen up against a political class that failed them. The first round of voting for the legislature, on June 11th, suggests that LRM, which Mr. Macron created only 14 months ago will win at least 400 of its 577 seats. The Socialists will lose 90% of their deputies, including their leader who did not even make the run-off. The Republicans will hang on to more, but they expected to win this election – until a few weeks ago, when LRM's victory became as inevitable as the blade sliding down the guillotine.

Mr. Macron offers a fresh answer to the propular discontent that

inevitable as the blade sliding down the guillotine.

Mr Macron offers a fresh answer to the popular discontent that has swept through Western democracies. He promises a new politics that ditches divisions between left and right. He wants to restore dynamism and self-belief to France and, with Germany's help, to the European Union. And he is being watched from abroad by politicians who, in their own countries, cannot seem to make themse above the din. For his revolution to succeed, he needs to have good ideas and the ability to carry them through. Does he?

A different kind of rebel

Mr. Macron is the right man at the right time. Voters tired of France's stale politics wanted an outsider. Although he comes from the establishment – he is a graduate of an elite college, an ex-banker the establishment—he is a graduate of an ente coilege, an ex-banker and an economy minister under his predecessor, François Hollande —Mr. Macron has never been a party man. He has designed LRM to act as a break with the past. Half of its candidates are new to politics. Half are women. It has campaigned against corruption. In the outgoing assembly the most common age is 60-70; the average of LRM's novices is 43.

Whereas most populists cleave to right and left, the Macron revo-

Whereas most populists cleave to right and left, the Macron revolution is to the center. He steals policies without prejudice—from the right, a desire to free up markets and businesses to create jobs and wealth; from the left, a belief in the role of government to shape, direct and protect. In the battle between open and closed, Mr. Macron is broadly for open in both trade and immigration. In French terms, he is an economic liberal. And, crucially, he is an optimist. For decades France has suffered from the morose belief that politics involves struggle, but no real solutions. That sabotages reform: why give up what you have today for something worse tomorrow? Elsewhere in Europe, democracy often seems a joyless transaction in which voters are asked to endorse politicians' empty promises in exchange for benefit cuts and shoddy public services.

Somehow, Mr. Macron has convinced the French that progress is possible. He has hit back against populist taunts that free markets are a concession to the bankers and the globalists with refreshing patriotism—whether by crushing the hand of Donald Trump or restoring pomp to the presidency. Against warnings about immigrants and foreign competition, he asserts that both will invigorate France, not enfeeble it. To Eurosceptics who accuse Brussels of sucking the life out of the nation, he insists that, no, the EU magnifies French power. Good ideas are not enough. Mr. Macron must also break the habit of 30 years in which France's reforms have been blocked by wears—multor. Whereas most populists cleave to right and left, the Macron revo-

of 30 years in which France's reforms have been blocked by the hard left. Success rests on early, visible progress in two areas—employ-

left. Success rests on early, visible progress in two areas—employ-ment and relations with Germany.

French unemployment is double what it is in Germany. For the under 25s, it is stuck above 20%. Firms are reluctant to create per-manent jobs because of high social charges and because redundancy and dismissal are expensive and difficult. Mr. Macron wants to lower employment taxes and to make workplace bargaining more flexible. employment taxes and to make workpace targaining more incubine. Success in the labor market will help him win over Germany, which has lost faith in France's ability to keep up. So will getting a grip on France's public spending and its army of brucanctast. Germany, often standoffish, should give Mr. Macron the benefit of the doubt. He is the best, and possibly last, chance to create the impetus for the curront to shore up the structure of the single currency, LRM's landslide makes this program more likely to succeed. Mr. Macron has been lock. His, often opnoment on the mainstream right. Francois Fillon. makes uns program more nacely to succeed. Wr. Nacron has been lucky. His chief opponent on the mainstream right, François Fillon, was fatally damaged by allegations of corruption. LRM's victory will be flattered by France's two-round voting system. A strong EU economy will create jobs (if he is not to jeopardize that, he needs to go easy on the budget cuts). As Theresa May, Britain's hapless prime minister, can attest, firm control of the assembly will cement his good fortune. However, resistance will move to the streets. Already, the ancien

However, resistance will move to the streets. Already, the ancien refgime is warning that the election leaves Mr. Macron dangerously powerful, and that the turnout of under 50% has deprived him of a mandate. Militant hard-left unions are threatening to fight his labor-market reforms all the way. They must be faced down. The French president is indeed powerful—but in recent years the problem has been the weakness of the Elysée, not its dominance. The turnout was low, but it has been falling for years and is not much lower than a America or Canada. The unions speak for only the 8% of workers who are their members. That is no mandate. It is what ordinary citizens like Ms Lehericy and Mr Fiévet have been elected to sweep away.

Plenty could go wrong. Expectations of Mr. Macron are sky high. Though LRM has experienced politicians to keep order, it could prove chaotic and amateurish. There will be strikes and marches. As the pain bites, the French public will need to hear again and again why reform will benefit the nation. These risks are obvious. More remarkable is the revolution that Mr. Macron has already achieved. The hopes of France, Europe and centrists everywhere are resting on him. The above article was taken from The Economist.

Es'haq Jahangiri.

The construction of the second sector of the Tehran-Shomal Freeway extending for 22km started on Saturday during a visit to the project by First Vice President

IRAN 🔇 DAILY 🔛 Domestic Economy

SPECIAL NEWS

Iran's oil output, exports rising

Domestic Economy Desk

Average crude output of Organization of the Petroleum Exporting Countries (OPEC) member states, including, Algeporting Countries (OPEC) member states, including, Alge-ria, Angola, Ecuador, Nigeria, Libya, Qatar, Kuwait, Iraq, the UAE, Saudi Arabia and Iran amounted to 31,519,000 barrels per day in 2015, based on figures released by the organization.

Of this figure, Iran produced some 2,836,000 barrels rank-ing fourth after Saudi Arabia with 10,142,000, Iraq with 3,961,000 and the UAE with 2,906,000 bpd, ISNA wrote.

OPEC produced 32 486,000 barrels of all per day in 2016

OPEC produced 32,486,000 barrels of oil per day in 2016. During this period, Iran stood third by pumping 3,518,000 barrels after Saudi Arabia and Iraq with 10,406,000 and 4,390,000 bpd respectively.



In March 2017, OPEC's output was 31,770,000 barrels of oil per day, of which 3,792,000 barrels pertained to Iran. Saudi Arabia with 9,905,000 and Iraq with 4,425,000 ranked first and second respectively.

The organization's oil production in April 2017 totaled

The organization's oil production in April 2017 totaled 31,803,000 barrels per day.

Iran produced 3,791,000 of the total output taking the third place after Saudi Arabia with 9,938,000 barrels and Iraq with 4,379,000 barrels.

In May 2017, the figure reached 32,139,000 barrels per day, of which 3,795,000 barrels was Iran's share preceded by Saudi Arabia (9,940,000 barrels) and Iraq (4,424,000).

OPEC clinched a historic deal with Russia and other non-members last December to slash global production by nearly 1.8 million barrels per day for six months starting January.

January.

OPEC — in what was its first production deal in eight years OFEC.—In what was its first production deal in eight years—exempted key member Iran from cutting output, allowing the country to increase its crude production by 90,000 bpd to attain the pre-sanction output production level of around four million bpd.

In May 2017, OPEC and non-members led by Russia decided to extend cuts in oil output by nine months to March 2018.

Latest export figures

Reports suggest that Iran's oil export to the West in May reached to the levels prior to the imposition of anti-Iran sanctions, the removal of which began in January 2016.

The lifting of the sanctions started after the P5+1 (the US, Britain, France, Russia, China plus Germany) and Iran clinched a nuclear deal in July 2015.

Many Asian states continued to buy oil from Iran during the continued are which the European stronged purchasing scale.

Many Asian states continued to buy on from tran during the sanction era while the Europeans stopped purchasing crude. Hence, Iran's exports were halved and dropped to below one million barrels per day. Following the lifting of sanctions, the Islamic Republic attracted new oil customers and resumed ties with its partners.

Gas deal with Total...

International firms have been cautious in their dealings with Iran despite the lifting of sanctions early last year out of fears of being blacklisted by the US.

Total became the first Western oil major to sign an energy agreement with Iran after the European Union and the United States undertook to lift sanctions on the Islamic Republic un-der a nuclear deal signed in July 2015.



The company helped Iran develop phases 2 and 3 of South Pars in the 2000s, before pulling out after Western sanctions were imposed in 2011.

Total resumed trade with Iran in February 2016, and bought about 50 million barrels of crude for about \$1.9 billion

about 50 million barrels of crude for about \$1.9 million last year, on top of 11 million barrels of oil products worth \$394 million, the company has announced.

The company has said it is interested in more Iranian projects other than South Pars, including an LNG plant which is half complete as well as a multibillion-dollar oil and gas pipeline between Jara and Omes. line between Iran and Oman.

NIOC adds five oil companies to prequalified list for Iran projects

ational Iranian Oil Company (NIOC) has added five more international oil companies to its list of prequalified companies for Iran's oil and gas upstream projects, just days before the June 19 deadline for the Azadegan oilfield tender consortia.

NIOC has added Russia's Gazprom Neft, Rosneft, Tatneft and Zarubezhneft and Azerbaijan's state-owned Socar, taking its list of prequalified companies to 34, according to a list posted on its website. Plates reported

cording to a list posted on its website, Platts reported

cording to a list posted on its website, Platts reported.
Russia now has six companies with Gazprom and Lukoil in the list, the single largest number of prequalified
companies for Iran's upstream projects, followed by five
companies from Japan.
Officials at Russian companies have said they are po-

tentially interested in projects in Iran but the companies

are awaiting for a final contract to evaluate the economics and decide whether they are to take part in them and in which form —individually or via consortia.

NIOC's updated prequalified list of companies comes as Tehran is gearing up for the biggest test of interest in the country's oil sector in years, as major international oil companies prepare to bid for the right to develon the Azadezan oilfield — one of its most to develop the Azadegan oilfield - one of its most

prized assets.

The prequalified oil companies have been asked to provide details of their planned consortium partners by Monday, as part of NIOC's planned tender to develop the giant onshore Azadegan oil field, a source familiar with the issue said last week.

NIOC has also asked prequalified companies to seek its approval if they are selecting partners that have not been prequalified for Iran's upstream bidding rounds, the

the said.

It plans to distribute detailed tender documents to the impanies in July, the source added.

The tender will be Iran's first bidding round for a manager.

jor oilfield, having previously relied on bilateral negotiations to award development contracts.

It is also the first to be launched under Iran's much deris also the init of the failed the failed that is nitricined by the model contract, the Iran Petroleum Contract PC), which is yet to be published.

This replaces the old buyback contract, which failed to

attract sufficient investor interest due to its tough terms.

New contracts

The delay in launching the new contract has held up Iran's ambitious plans to bring in new international oil companies and restore its oil production to pre-sanctions levels of around 4 mbd.

"Azadegan is the core of Iran's upstream development plans, and accounts for most of Iran's target for ment plans, and accounts for most of Iran's target for oil production capacity increase. Hence, the upcoming tender is perhaps the most important event the govern-ment has been looking forward to for months now, if not years," said Iman Nasseri, a senior consultant at FGE last week.

The tender covers the development of the entire

Azadegan currently produces around 125,000 bpd,



with 75,000 bpd from the northern portion and 50,000 bpd from the south. NIOC plans to raise production to 150,000 bpd in the north and as much as 600,000 bpd in

150,000 bpd in the north and as much as 600,000 bpd in two phases from South Azadegan.

"Iran seems to be in favor of having a Chinese/Rus-sian partner in key developments to keep the project alive together with the local contractor should a 'snap back' of sanctions pull the European partner back out of the project," Nasseri said.

At the start of June, Gazprom Neft and Austria's

At the start of June, Gazprom Neft and Austria's OMV, which is also a prequalified company, signed an agreement on cooperation on projects in Iran.

The MoU outlines possibilities for working together on "analysis, assessment and study of certain oil deposits... in the territory of [Iran] in cooperation with the National Iranian Oil Company (NIOC)", the two companies said in a statement at the time.

It said Gazprom Neft was "studying the possibility of

and given OMV's experience in Iran and the Middle East, "joint geological assessment of blocks will be most effective". participating in the development of two blocks in Ira

ettective".

Gazprom Neft earlier said it was looking at the
Changouleh and Cheshmeh Khosh oilfields.

Iran has already invited OMV to participate in an imminent tender to develop the Azadegan oilfield.

Malaysia's state-owned Petronas and Royal Dutch Shell have handed over their technical studies report on

Shell have handed over their technical studies report on the Azadegan oilfield to NIOC.

France's Total and Japan's Inpex Corp. have also offered their surveys on Iran's largest crude reserves, Shana reported quoting Noureddin Shahnarizadeh, the managing director of Iran's Petroleum Engineering and

Development Company.

Total, Shell, Inpex and Petronas are among the prequalified companies to bid for the Azadegan field

Iran's economy minister in South Korea to boost banking ties

Iran's economy minister is visiting South Korea to discuss expansion of banking tran's economy immister is visuing South Korea to discuss expansion of banking relations and line of credit (LC) between the two countries.

Ali Tayyebnia, who is in South Ko-rea to attend the annual conference of

the Asia Infrastructure Investment Bank

the Asia Intrastructure Investment Bank (AIIB), has held talks with Minister of Strategy and Finance Yoo II-Ho, IRNA reported. Following the implementation of the landmark nuclear agreement between Iran and major world powers known as Joint Comprehensive Plan of Action (CDVA). a createstic feature flavore. Joint Comprehensive Plan of Action (JCPOA), a strategic foreign finance committee was set up in Iran's Ministry of Economy, which included representatives of Central Bank of Iran and Plan and Budget Organization, to accelerate and facilitate foreign lines of credit. of credit.

South Korea is one of the target countries of the committee for foreign lines of credit and financial services. Based on preliminary talks, two South Korean banks are expected to finance Iran projects.

The meeting discussed lines of credit between the two countries' banks, broker-

between the two countries' banks, broker-age deals and opening branches of Irani-an banks in the east Asian country.

Talks with South Korean banks on cre-ating lines of credit are in the final stage, but some other issues require agreements between the ministers of the two coun-

The changing currency in oil deals was

another topic of discussion in the meeting between Tayyebnia and his South Korean

Iran-South Korea trade and financial exchanges entered a new phase last year after former South Korean president visited Iran in May and an agreement was signed on the use of euro in bilateral

The South Korean delegation in Tehran also expressed readiness to extend lines of credit for Iranian projects and preliminary talks on this are currently underway.



titute which was initiated by China and Iran is one of its shareholders

Iran is one of its shareholders.

The main goal of the bank was defined as crediting countries along the Silk Road and boosting development of infrastructures in Asia.

Iran became a member of the institution in November and currently ranks alwanth among its chareholders helding.

eleventh among its shareholders, holding 1.61 percent of the total shares.

Iran, EEU finalize FTZ accord



Iran and the Eurasian Economic Un ion (EEU) finalized an agreement on establishing a free trade zone.

The EEU announced on Saturday

that Iran and EEU member states that Iran and EEO memoer states will observe the basic principles of World Trade Organization and bring about proper conditions for trading all goods within the framework of commerce collaborations, IRNA reported.

Iran and the EEU negotiated the creation of the free trade zone for 18 months.

Minister of Communications and Information Technology Mahmoud Vaezi and minister for Trade of the Eurasian Economic Commission examined the various dimensions of the agreement.

On the sidelines of the on June 2, Vaezi said that Iran started with 200 items and can increase the number. According to the deal, the move toward free trade will start af-

move toward tree trade will start at-ter three years of preferred tariffs.

The EEU is an economic union of states located primarily in north-ern Eurasia. It provides for the free movement of goods, services, capi-tal and labor within member states.

The current members of the union are Armenia, Belarus, Kazakhstan, are Armenia, Belarus, Kazakhstan, Kyrgyzstan and Russia that all in all have a GDP of \$2.2 trillion, \$3.1 tril-lion of industrial products, and \$877 billion trade with non-member coun-tries that equals 7.3 percent of world export and 3.2 percent of world im-

IRAN ODAILY >> TSE & Global Economy

BRICS to lead efforts to eradicate hunger, poverty by 2030



ith the clock ticking toward the 2030 deadline fit the clock tecking toward the 2030 deadline for meeting the international goals to eradicate hunger and poverty, five of the world's most important emerging economies are well positioned to take a leading role in helping to achieve these objectives, according to the United Nations.

The five countries, known collectively as the 'BRICS' (Brazil, Russia, India, China and South Africa), form an important economic blee; the Drone-based UN Food and

important economic bloc, the Rome-based UN Food and Agriculture Organization (FAO) reported on June 16

Agriculture Organization (FAO) reported on June 16.
They account for more than 40 percent of the world's population and over 20 percent of global gross domestic product. Together, they produce more than one-third of global cereal production. Last year, Russia became the largest wheat exporter in the world, IPS wrote.

largest wheat exporter in the world, IPS wrote.

Speaking during the Seventh Meeting of the BRICS
Ministers of Agriculture in Nanjing, China Kundhavi
Kadiresan, assistant director general and FAO's regional
representative for Asia and the Pacific, said, "The BRICS
countries play an important political role in the international arena. Developing countries around the world look
to your successes in economic development over the past
few decades as an example to follow. few decades as an example to follow

tew decades as an example to follow.

"Your experiences provide a path that can help us all meet our global collective commitments, namely those of the 2030 Agenda for Sustainable Development — its 17 Sustainable Development Goals (SDGs) — and the Paris climate accord."

Kadiresan pointed out that, despite trends towards urbanization, poverty in the world today is primarily rural. As a result, accelerating rural development will be key to achieving the SDGs

"The question is how can we do this? Our experiences in countries in different parts of the world have shown that it can best be done through a combination of agricultural growth and targeted social protection, but also through growth in the rural nonfarm economy," she said

"Agriculture can be a driver of sustained and inclusive rural growth. In low-income countries, growth originating from agriculture is twice as effective in reducing poverty as growth originating from other sectors of the

Equally important is that all the tools, approaches and

Equally important is that an the tools, approaches and technologies developed "must be useful and accessible to poor family farmers in developing countries" so that they can increase production and productivity.

Achieving agricultural growth would also require investments in research and development, and the BRICS countries could play a leading role in this, as all five countries have strong agricultural research systems that are working on many of the challenges faced by developare working on many of the challenges faced by develop-

are working on many of the challenges faced by develop-ing countries, such as feeding a growing population in a sustainable way, according to FAO.

"Biotechnology would also play a key role in these advances, as would agro-ecological approaches. Cli-mate-smart agriculture will be essential to adapt to the

uncertain changes facing our farmers, and it will rely heavily on cutting-edge research."

Information and Communication Technologies are be-

coming more widespread by the day, and they offer a prom-ising approach to address many of the challenges small-holders face with regard to information on prices, weather forecasts, vaccines, financial services, and much more.

Agricultural growth, as important as it is, cannot eradi cate hunger and poverty all by itself - social protection programs can also play a key role in rural development,

programs can also pay a key role in tuna development, the UN specialized body said.

These programs have important poverty reduction and health benefits, and can also strengthen the confidence of family farmers, encouraging them to become more entrepreneurial, it explained.

'Brazil's Fome Zero and India's National Rural Employment Guarantee Act are global references in this re-

Kadiresan stressed that it is important not to overlook the key role played by the rural non-farm economy in fostering rural development.

"As economies transform, most farm households obtain significant income from activities other than farmtain significant income from activities other than farm-ing. The income from these activities provides not only a higher standard of living, but also a more stable one in many cases. Governments play a key role in encourag-ing this transformation by investing in rural health and education," she said.

Main Indices of TSE

| Index | Value | Change | Percent |
|---------------------|----------|--------|---------|
| Total Index | 79285.0 | (54) | 0 |
| Industry Index | 68098.2 | (18.3) | (0.08) |
| Free Float Index | 86617.7 | 86.3 | 0.1 |
| First Market Index | 54723.3 | (34) | (0.02) |
| Second Market Index | 177424.0 | 192.8 | 0.15 |

Overall Index details on 20170617

| First | 79446.4 | Change end of year(%) | 918.32% |
|--------|---------|-----------------------|--------------------|
| High | 79533.8 | Historical highest | 89500.6 (20140105) |
| Low | 79285.0 | Historical lowest | 100 (1369/1/6) |
| Close | 79285.0 | Base Value | 100 (1369/1/6) |
| Change | 0 | | |

Industry Index details on 20170617

| First | 68252.4 | Change end of year(%) | 1027,74% |
|-----------|---------|-----------------------|--------------------|
| Max Value | 68328.4 | Historical highest | 75181.9 (20140105) |
| Max Value | 69610.5 | Historical lowest | 1226.8 (1377/8/25) |
| Closing | 68098.2 | Base Value | |
| Closing | (18.3) | | |

Free Float Index details on 20170617

| First | 86458.1 | Change end of year(%) | |
|-----------|---------|-----------------------|-------------------|
| Max Value | 88753.6 | Historical highest | 105040 (20140105) |
| Max Value | 88687.9 | Historical lowest | |
| Closing | 86617.7 | Base Value | |
| Closing | 86.3 | | |

Main Board Index details on 20170617

| First | 54881.1 | Change end of year(%) | 777.1% |
|-----------|---------|-----------------------|--------------------|
| Max Value | 54902.9 | Historical highest | 67441.4 (20140105) |
| Max Value | 55990.5 | Historical lowest | |
| Closing | 54723.3 | Base Value | 4740.4 (1381/6/2) |
| Closing | (34) | | |

Secondary Index details on 20170617

| First | 177795.9 | Change end of year(%) | 1345,03% |
|-----------|----------|-----------------------|-------------------|
| Max Value | 177958.2 | Historical highest | 181353 (20170522) |
| Max Value | 181452.5 | Historical lowest | |
| Closing | 177424.0 | Base Value | 4740.4 (1381/6/2) |
| Closing | 192.8 | | |

Spain threatens to block Greece bailout payment

Spain threatened to block the latest bailout disbursement to Greece, angry that Ath-ens has failed to drop a legal case against European experts who had worked on the

European experts who nad worked on the Greek privatization program.

"The payment of the latest tranche will be blocked without a solution," said Spanish Economy Minister Luis de Guindos on the sidelines of EU finance minister talks in Luxembourg, according

to AFP.

De Guindos told reporters that Spain and Italy had won the support of eurozone partners at marathon talks on Thursday when a €8.5 billion (\$9.5 billion) payout to Greece was agreed in

principle.

German Finance Minister Wolfgang
Schäuble, the eurozone's most dominant
figure, backed De Guindos.

"Immunity was promised beforehand and such commitments should be ful-filled," Schäuble told reporters. Another top eurozone official said the

allegations were 'unfair' and that minallegations were 'unfair' and that min-isters believed the case was politically motivated. The legal case concerns three advisers from Spain, Italy and Slovakia to the Greek privatization agency, cre-ated at the insistence of Germany in the

wake of the debt crisis in 2011.

Many details of the accusations are unknown, but a Greek legal source said the experts were accused of disloyalty to the public - a crime that carries a 20year jail sentence

The Greek courts initiated proceedings against the experts in 2014 after alleged irregularities in the sale of 28 real estate properties owned by the Greek state.

Russian central bank cuts rates

Russia's central bank reduced its key interest rate by 25 basis points to nine percent as inflation in the economy ap-

percent as inflation in the economy ap-proaches its target.

The bank, which has gradually re-duced rates in installments throughout the year, said inflation, which hit 4.1 percent in May, was close enough to its target of four percent by the end of

its target of four percent by the end of the year to allow a cut, it said in a state-ment, FT reported. Russia's return to economic growth this year, which the bank expects to hit I to 1.5 percent, was also a factor in the decision.

The bank said it would continue its 'moderately tight' policy as it considered further lowering rates over the

ered further lowering rates over the course of the year.

President Vladimir Putin has called on banks to increase lending, which requires a lower key interest rate, but has backed central bank chief Elvira Nabiullina's efforts to lower inflation and



stabilize the ruble.

On Thursday, Putin said during his annual call-in show that Nabiullina's efforts had helped reduce currency volatility from the ruble's dependence on oil, which saw it halve in value as

on oil, which saw it halve in value as prices plummeted in 2014.

"This is the basis the central bank is operating from: If oil prices go the other way and decrease, then it won't have to sharply adjust the key interest rate,"

US housing starts drop for third straight month

US homebuilders slowed down the pace of construction for the third straight month in May, a possible sign that the shortage of houses for sale might worsen. The Commerce Department said that housing starts fell 5.5 percent in May to a seasonally adjusted annual rate of 1.09 willion might. million units.

million units.
This comes after a 2.7 percent monthly decline in April and a 7.7 percent drop in March. Home construction is still 3.2 percent higher year-to-date, but that increase has been too modest to address the dwin-

nas reen too mouest to address me dwin-dling supply of homes, AP wrote.

Homebuilders remain optimistic about their sales prospects, but the level of construction has done little to meet demand from would-be buyers.

The number of existing homes listed for sale has been registering annual de-clines for roughly two years—creating

clines for roughly two years — creating a dearth of properties on the market.



Mark Fleming, chief economist at First American Financial — a title in-surance company — said, "The lack of inventory of homes for sale is one of the

inventory of homes for sale is one of the most pressing challenges in the housing market today."

What has generally happened is a decline in the construction of apartment buildings that has been more than offset by the gains in the building of single-family houses.

Maior Currencies

| iliajor curreneres | | | | | | | |
|--------------------|--------|---------------|--------|--|--|--|--|
| Currency | To USD | Currency | To USD | | | | |
| Turkish Lira | 0.2853 | Chinese Yuan | 0.1468 | | | | |
| Euro | 1.1191 | UAE Dirham | 0.2722 | | | | |
| British Pound | 1.2785 | Kuwaiti Dinar | 3.2921 | | | | |
| Australian Dollar | 0.7623 | Iraqi Dinar | 0.0008 | | | | |
| Japanese 100 Yen | 0.0090 | Saudi Riyal | 0.2666 | | | | |
| | | | | | | | |
| Major Commodities | | | | | | | |

| Crude Oil | \$44.68 | Silver | \$16.67 |
|-----------|-----------|----------|----------|
| Gold | \$1255.20 | Platinum | \$929.90 |
| Copper | \$2.57 | Wheat | \$465.75 |

IRAN 🔘 DAILY 💙 Cultural Heritage & Environment

Archeologists uncover a 12th century city in Ethiopia

A forgotten city thought to date back as far as the 10th century CE has been uncovered by a team of archeologists in eastern Ethiopia.

Artifacts from Egypt, India and China have been found in the city in the Harlaa region, according to PBC.

The archeologists also uncovered a 12th Century mosque which is similar to those found in Tanzania and Somaliland.

Archeologists said this proves historic connec-tions between different Islamic communities in Af-

Lead archeologist Professor Timothy Insoll from the University of Exeter said, "This discovery revolutionizes our understanding of trade in an archeo-logically neglected part of Ethiopia. What we have found shows this area was the center of trade in that

The team also found jewelry and other artifacts from Madagascar, the Maldives, Yemen and China.

Harlaa was a 'rich, cosmopolitan' center for jewelry making, Insoll said.

elry making, Insoll said.

"Residents of Harlaa were a mixed community of foreigners and local people who traded with others in the Red Sea, Indian Ocean and possibly as far away as the Persian Gulf," he said.

BBC Ethiopia correspondent Emmanuel Igunza said there was a local myth that the area was occupied by cipats because the settlement buildings and

pied by giants because the settlement buildings and walls were constructed with large stone blocks that

could not be lifted by ordinary people.

However the archeologists found no evidence of

this.
"We have obviously disproved that, but I'm not sure they fully believe us yet," said Insoll.
A statement from the team said the remains of some

of the 300 people buried in the cemetery are being analyzed to find out what their diet consisted of

Further excavations are expected to be conducted

Global diet, farming methods must change for environment's sake

Reducing meat consumption and using more efficient farming methods globally are essential to stave off irreversible damage to the environmental, a new study said.

The research, from the University of Min-The research, from the University of Min-nesota, also found that future increases in ag-ricultural sustainability are likely to be driven by dietary shifts and increases in efficiency, rather than changes between food production systems, phys.org wrote. Researchers examined more than 740 pro-

duction systems for more than 90 different types of food, to understand the links between diets, agricultural production practices and environmental degradation. Their results are published in the journal Environmental Re-

search Letters. Lead author Dr. Michael Clark said: "If we want to reduce the environmental impact of agriculture, but still provide a secure food supply for a growing global population, it is essential



to understand how these things are linked."

Using life cycle assessments — which detail the input, output and environmental impact of a food production system — the analyzed the comparative vironmental impacts of different food pro-duction systems (e.g. conventional versus organic; grain-fed versus grass-fed meats; trawling versus non-trawling fisheries; and greenhouse-grown versus open-field produce), different agricultural input efficiencies (such as feed and fertilizer), and different foods

The impacts they studied covered levels of land use, greenhouse gas emissions (GHGs),

runoff) and acidification potential. Clark said: "Although high agricultural efficiency consistently correlated with lower environmental impacts, the detailed picture environmental impacts, the detailed picture we found was extremely mixed. While organ-ic systems used less energy, they had higher land use, did not offer benefits in GHGs, and tended to have higher eutrophication and acidification potential per unit of food produced. Grass-fed meats, meanwhile, tended to require more land and emit more GHGs than

However, the authors note that these find-ings do not imply conventional practices are sustainable. Instead, they suggest that com-bining the benefits of different production for example organic's systems — for example organic's reduced reliance on chemicals with the high yields of conventional systems would result in a more sustainable agricultural system

Plastic polluted Arctic islands dumping ground for Gulf Stream

Beaches on remote Arctic islands are heavily polluted with plastic, a new expedition found, demonstrating that the region is the dumping ground for waste carried northwards on the Gulf Stream.

The shorelines of islands in the Svalbard archipelago and of Jan Mayen Island were found to be littered with much more plastic waste than on European beaches, despite tiny local populations, The Guardian reported.

The cause is plastic drifting northwards up the Atlantic from Europe and North America, before being stranded in the Arc-tic. Plastic waste dumped in UK seas is car-ried to the Arctic within two years, according to a previous study.

At least one trillion pieces of plastic have already been frozen into the Arctic ice over past decades, according to other research. This makes it a major global sink for plastic pollution, many times more concentrated than the well-known great Pacific garbage

with global warming causing rapid melt-ing of the ice cap, plastic is being released and making the problem even worse. Plastic pollution kills animals that become tangled up and seriously harms those that mistake it for food.

The latest expedition took Dutch scien-

tists from the Wageningen Economic Re-

tists from the wageningen Economic Re-search (WER) institute to six beaches in Svalbard, where they recorded 876 pieces of visible litter per 100 meter stretch of beach. On Jan Mayen Island — the most remote in the North Atlantic — they recorded 575 pieces. By comparison, an average of 375 pieces were found on Dutch beaches, de-scrite their prayimity to the source of the spite their proximity to the source of the

Pars Diplomatic Real Estate

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Ms.Diba: 09128103206



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بهترین مشاوره، برترین سرویس، بالاترین رضایت

مالکین محترم املاک مبله و غیرمبله، مسکونی، اداری و تجاری، ویلا و مستغلات شما را جُهت اجاره به سفار تخانهها و شركتهاي خارجي نيازمنديم

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Then it comes to stomach discom-fort during exercise, forget that old adage 'no

cise, forget that old adage 'no pain, no gain'.

New research suggested that excessive strenuous exer-cise may lead to gut damage, UPI reported.

Ricardo Costa, a senior researcher with the department searcher with the department of nutrition, dietetics and food at Monash University in Australia, said, "The stress response of prolonged vigor-ous exercise shuts down gut

function.
"The redistribution of blood flow away from the gut and towards working muscles creates gut cell injury that may lead to cell death, leaky gut, and systemic immune responses due to intestinal bacteria entering general circulation.

Researchers observed that the risk of gut injury and impaired function seems to increase along with the intensity and duration of exercise.

The problem is dubbed exercise-induced gastrointestinal syndrome. The researchers reviewed eight previously done studies that looked at

Two hours appears to be the threshold, the researchers said. After two hours of continuous endurance exercise when 60 percent of an individual's maximum intensity. vidual's maximum intensity level is reached, gut damage

Costa said, "Examples of such exercise are running and

such exercise are running and cycling.

"Heat stress appears to be an exacerbating factor. People with a predisposition to gut diseases or disorders may be more susceptible to such ercise-related health prob

lems."

Dr. Elena Ivanina is a senior gastroenterology fellow at Lenox Hill Hospital in New York City. She wasn't in-volved with this research but

worked with this research but reviewed the study. She said that normal blood flow to the gut keeps cells oxygenated and healthy to enappropriate metabolism and function

supply of blood during exercise, it can lead to inflammation that damages the protec-

tive gut lining. Ivanina said, "With Ivanina said, "With a weakened gastrointestinal, or GI, immune system, toxins in the gut can leak out into the systemic circulation so-called 'leaky gut' phenom-

But, she underscored that exercise in moderation has been shown to have many protective benefits to the gut.

She said, "Specifically, through exercise, patients can maintain a healthy weight and avoid the consequences of

avoid the consequences of obesity."

Obesity has been associated with many GI diseases, such as gallbladder disease; fatty liver disease; gastroesophageal reflux disease, or GERD; and cancer of the esophagus, stomach, liver and colon.

activity also lowers the risk of cardiovascular disease, type 2 diabetes and depression

To prevent exercise-related gut problems, Costa advised maintaining hydration throughout physical activity, and possibly consuming small amounts of carbohydrates and protein before and

during exercise.

Ivanina said, "Preventive measures might help keep abdominal troubles in check. include resting and

drinking enough water.
"Discussing any symptoms with a doctor to ensure there is no underlying gastrointestinal disorder.

Costa recommended that people exercise within their comfort zone

"If you have stomach or abdominal pain, this is a sign that something is not right." Individuals with symptoms

of gut disturbances during ex-ercise should see their doctor.

The study authors advised gainst taking nonsteroidal nti-inflammatory drugs — neluding ibuprofen, marincluding ibuprofen, mar-keted as Advil or Motrin, or naproxen sodium, or Aleve before working out.

Costa said there's emerging evidence that a special diet — called a low FODMAP diet called a low FODMAP diet
— leading up to heavy training and competition may reduce gut symptoms.
FODMAP stands for fermentable oligosaccharides, disaccharides, monosaccharides, and polyols.
FODMAPs are specific

rides, and polyols.
FODMAPs are specific
types of carbohydrates (sug-ars) that pull water into the
intestinal tract.
The International Founda-tion for Functional Gastroin-testinal Disorders suggested
consulting a dietition familiar consulting a dietitian familiar

consuting a dictitian familiar with FODMAP diets.

Foundation said, "Such diets can be difficult to initiate properly on your own."

Costa also said there's no clear evidence that dietary supplements — such as antisupplements — such as anti-oxidants, glutamine, bovine colostrum and/or probiotics — prevent or reduce exercise-associated gut disturbances. The study results were pub-

lished online recently in the journal Alimentary Pharmacology and Therapeutics

Sulforaphane in broccoli sprouts found to improve glucose levels in diabetics

A team of researchers from Sweden, the US and Switzerland has found

A team of researchers from Sweden, the Us and Switzerland nas found that treating rat liver cells with a compound called sulforaphane, which is found in cruciferous vegetables, reduced production of glucose. In their paper published in Science Translational Medicine, the group outlines the methods they used to isolate the compound and what they found when testing it with liver cells and in human patients, executive to medicultures can with liver cells and in human patients, according to medicalxpress.com.

Type 2 diabetes has been in the news a lot in the past several years due to its ties to the obesity epidemic in several countries, particularly

Prior research has shown that it is a condition in which the body mis-handles glucose — cells fail to use insulin properly, leading to higher glucose levels, which can cause a wide variety of health problems.

Current treatment includes modifying the diet and taking drugs such as metformin. But because the drugs used to treat diabetes can cause other problems, such as liver damage, researchers continue to look for

In this new effort, the researchers sought to find a compound that could alleviate symptoms in a more natural way.



They created a genetic signature for the disease based on 50 genes that have previously been linked to the disorder and fed the results into that have previously been linked to the disorder and red the results into a database, which used the genetic signature to look for compounds specifically related to gene expression in liver cells — sulforaphane showed the strongest known effects.

The researchers then cultured liver cells from rats with type 2 diabetes and applied sulforaphane to see what would happen — doing so caused the cells to produce less glucose.

Optimistic about their results, the researchers next tested the company on 97 objects human volunteers with type 2 diabetes over a 12.

opinimistic about utel results, the researcher's leak tested under compound on 97 obese human volunteers with type 2 diabetes over a 12-week period — this was possible because sulforaphane is a compound naturally occurring in cruciferous vegetables such as broccoli sprouts. The researchers report that those given the compound showed a significant reduction in glucose levels (while fasting).

The researchers acknowledge that their results are preliminary and that process exiting of the compound will be predefined to exceed the

The researchers acknowledge that their results are preliminary and that more testing of the compound will be needed to prove that the compound or simply eating the right vegetables might someday replace drugs used to treat type 2 diabetes.

They note also that their technique for discovering the compound's usefulness in treating the disease could very well be applied to other

Link between eczema. heart disease questioned

Researchers at Brown University found that despite previous studies



Roughly seven percent of adults have a common form of eczema known as atopic dermatitis, which has previously been linked to an

known as adoptic dermatulis, winten has previously been linked to an increased risk for heart disease, UPI wrote.

Dr. Aaron Drucker, an assistant professor of dermatology at the Warren Alpert Medical School of Brown University and a physician with the Lifespan Physicians Group, said, "In our study, people who reported having atopic dermatitis were not at any increased risk for high blood pressure, type 2 diabetes, heart attacks or strokes."

A new study from Brown University, which was published in the British lournal of Dermatology, found no association between higher.

British Journal of Dermatology, found no association between higher risk of cardiovascular disease and atopic dermatitis.

Researchers analyzed the records of 259,119 adults between the ages of 30 and 74 who participated in the Canadian Partnership for

ages of 39 and 74 who participated in the Canadian Partnership for Tomorrow Project.

They found the diagnosis of atopic dermatitis was associated with a 0.79 times reduced risk of stroke, a 0.87 times reduced risk of hyper-tension, a 0.78 times reduced risk of diabetes and a 0.87 times reduced risk of heart attack

Drucker said "It's important to make this clear so it doesn't get mis-Drucker said, it is important to make this ciera so it doesn't get mis interpreted. Even though we found lower rates of these outcomes will atopic dermatitis, we are not interpreting that as atopic dermatitis decreasing the risk."

According to researchers, the prior theory that atopic dermatitis might have been linked with cardiovascular disease may have come from the better-substantiated link between psoriasis and cardiovascu-

Drucker added, "In response to the increased risk of cardiovascular disease discovered for psoriasis, clinicians and psoriasis patients have been encouraged to more actively screen for and manage cardiovascular disease.

"It appears that similar measures may not be warranted for atopic

Coconut oil is as unhealthy as beef drip-

Coconit on is as unnearity as beef drip-ping and butter, said US heart experts. It is packed with saturated fat which can raise 'bad' cholesterol, said the American Heart Association (AHA) in updated advice, according to bbc.com.

Coconut oil is commonly sold as a health food and some claim the fat in it may be better for us than other saturated fats.

The AHA, however, said there are no good studies to support this.

Healthy myth?

The advice around which fats to eat

Animal fats, such as lard, are generally seen as bad, while plant oils, such as olive and sunflower, are seen as healthi-

That theory is based on how much of one particular type of fat —saturated fat or 'sat fat' — these products contain.

Saturated fat is said to be bad for our

Saturated ia is said to be bad not our health, although not everyone agrees.

Eating a diet high in saturated fat can raise the level of 'bad' low-density lipoprotein (LDL) cholesterol in the blood, which, in turn, may clog the arteries and increase the risk of heart disease and stroke.

According to the AHA, 82 percent of According to the AHA, 82 percent of the fat in coconut oil is saturated. That's more than in butter (63 percent) and beef fat (50 percent). And, like other sat-urated fats, studies show it can increase 'bad' cholesterol.

Some claim that the mixture of fats in



Coconut oil as unhealthy as beef fat, butter

but the AHA said there is no good-quali-

but the AFIA said there is no good-quali-ty evidence for this.

It said that people should limit how much saturated fat they eat, replacing some of it with unsaturated vegetable oils - olive oil and sunflower oil, and their spreads

According to the AHA, studies show swaps such as this can lower cholesterol by the same magnitude as cholesterol-

by the same magnitude as cholesterol-lowering drugs.
Dr. Frank Sacks, lead author of the AHA advice, said, "We want to set the record straight on why well-conducted scientific research overwhelmingly sup-ports limiting saturated fat in the diet to prevent diseases of the heart and blood vessels."

In the UK. Public Health England ad-

- The average man should eat no more than 30g of saturated fat a day.
- The average woman should eat no more than 20g of saturated fat a day.

Nutritional labels on food display by much saturated fat is in products. But experts stressed that fat is still an

essential part of a healthy, balanced diet. We shouldn't cut out too much. Fat is a source of essential fatty acids and helps the body absorb vitamins, such as A, D

Victoria Taylor from the British Heart Foundation said, "To eat well for your heart health it is not just about reducing fat but reducing specific types of fat

and taking care over what these are re-placed with —unsaturated fats and who-legrains, rather than sugars and refined carbohydrates.

'Any change should be viewed in the context of a whole diet approach. The traditional Mediterranean diet has ben-

traditional Mediterranean diet has ben-eftis for a range of risk factors for heart disease, not just cholesterol levels. "We recommend replacing the satu-rated fats in the diet with unsaturated fats — using oils instead of butter and choosing foods like avocado, oily fish, nuts and seeds instead of foods high in estimated fits like eake biseuits above. saturated fats like cakes, biscuits, choco late and fatty meat."

- Grill, bake, poach or steam food
- rather than deep frying or roasting.

 Trim visible fat and take skin off
- Irim visible fat and take skin off meat before cooking.
 Spoon off fats and oils from roasts, casseroles, stews and curries.
 When making sandwiches, try leaving out the butter or spread: You might not need it if you're using a moist filling.

Good fat vs had fat

- Cholesterol is a fatty substance that an be found in some foods.
 LDL cholesterol is said to be 'bad' because it can be deposited in the walls of arteries and cause hard plaques to
- or arteries and cause hard plaques to build up that can cause blockages, re-sulting in heart attacks and stroke
 High-density lipoprotein (HDL) cholesterol is 'good' because it carries LDL cholesterol to your liver where it is disposed of. A high ratio of good to bac cholesterol is healthiest.

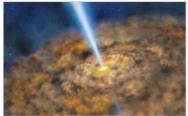
IRAN ODAILY >> Science & Technology

NASA observatory finds cool, dense dust surrounding active black hole

A new survey of tori surrounding active supermassive black holes suggested dust surrounding central black holes is more compact

suggested usts stimought.

The survey is one of the first to look specifically at the donut-shaped dust structures surrounding active black holes at the center of galaxies, or active galactic nuclei, UPI reported.



The surrounding torus obscures observations of many black oles. Energy absorbed by the torus is reemitted in extremely long infrared wavelengths.

These wavelengths are absorbed by water vapor in Earth's atmosphere, making it difficult to image tori using ground-based tel-

escopes.

Astronomers at the University of Texas, San Antonio (UTSA) used data collected by NASA's Stratospheric Observatory for Infrared Astronomy to analyze the tori surrounding 11 supermassive black holes, all actively consuming material at the centers of galaxies located more than 100 million light-years from Earth.

SOFIA's Faint Object infraRed CAmera, or FORCAST, allowed researchers to measure the infrared emissions of each torus, reveal

teseactives to ileative the illimate emissions of each total, revealing the dust offensive size, opacity and density. Lindsay Fuller, a grad student at UTSA, said, "Using SOFIA, we were able to obtain the most spatially detailed observations possible at these wavelengths, allowing us to make new discoveries on the characterization of active galactic nuclei dust tori.

The scientists' analysis, detailed in the journal Monthly Notices of the Royal Astronomical Society, suggested tori are 30 percent

of the Koyal Astronomical Society, suggested for are 30 percent smaller than expected.

Their dust is also denser and emits even longer infrared wavelengths than predicted.

Researchers expect follow up analysis to confirm whether all of the infrared emissions measured by SOFIA originate from tori. It's possible other structures in the active galactic nuclei are spitting out infrared emissions

That will allow us to put tighter constraints on the physical

"That will allow us to put tighter constraints on the physical

"That will allow us to put tighter constraints on the physical

structure of the dusty environment surrounding the active galactic

China launches first X-ray space telescope

China successfully launched its first X-ray space telescope to study black holes, pulsars and gamma-ray bursts



A Long March-4B rocket carried the 2.5-ton telescope into or-

A Long March-HF rocket carried the 2.5-ton telescope into or-bit from the Jiuquan Satellite Launch Center in northwest China's Gobi Desert, according to the official Xinhua news agency The Hard X-ray Modulation Telescope (HXMT), named Insight, will allow Chinese scientists to observe magnetic fields and the interiors of pulsars and better understand the evolution of black

It will also help scientists search for gamma-ray bursts corre-

sponding to gravitational waves and study how to pulsars can be used for spacecraft navigation, Xinhua said.

"Insight is expected to push forward the development of space astronomy and improve space X-ray detection technology in Chi-

na."

Beijing sees its multi-billion-dollar space program as a symbol of its rise and of the Communist Party's success in turning around the fortunes of the once poverty-stricken nation.

ne fortunes of the once poverty-stricken nation.

In April, China's first cargo spacecraft successfully docked with norbiting space lab—a key development toward China's goal of aving its own crewed space station by 2022.

Last month, China opened a 'Lunar Palace' laboratory on Earth o simulate a moon-like environment and house students for up to 200 days as the country prepares for its long-term goal of sending humans to the natural satellite.

Batteries that drink seawater could power long-range underwater vehicles

he long range of airborne drones helps them perform critical tasks in the skies.

Now Massachusetts Institute of Technology (MIT) spinout Open Water Power (OWP) aims to greatly improve the range of unpiloted underwater vehicles (UUVs), helping them better

nicies (UUvs), neiping them better perform in a range of applications un-der the sea, according to phys.org. Recently acquired by major tech firm L3. Technologies, OWP has developed a novel aluminum-water power system that's safer and more durable, and that gives UUVs a tenfold increase in range traditional lithium-ion batteries

used for the same applications.

The power systems could find a wide range of uses, including helping UUVs dive deeper, for longer periods of time, into the ocean's abyss to explore ship wreckages, map the ocean floor, and conduct research.

conduct research.

They could also be used for longrange oil prospecting out at sea and
various military applications.

With the acquisition, OWP now
aims to ramp up development of its
power systems, not just for UUVs, but also for various ocean-floor monitoring

also for various ocean-noor monitoring systems, sonar buoy systems and other marine-research devices. OWP is currently working with the US Navy to replace batteries in acous-tic sensors designed to detect enemy submarines.

This summer, the startup will launch a pilot with Riptide Autono

a pilot with Riptide Autonomous Sout-tions, which will use the UUVs for un-derwater surveys.

Currently, Riptide's UUVs travel roughly 100 nautical miles in one go, but the company hopes OWP can increase that distance to 1,000 nautical miles

Co-inventor Ian Salmon McKay '12, SM '13, who co-founded OWP with fellow mechanical engineering



phys.o.
phys.o

graduate Thomas Milnes PhD '13, said, "Everything people want to do underwater should get a lot easier. We're off to conquer the oceans.

Most UUVs use lithium-based batteries, which have several issues They're known to catch fire, for one thing, so UUV-sized batteries are generally not shippable by air.

Also, their energy density is limited,

meaning expensive service ships chap-erone UUVs to sea, recharging the bat-

And the batteries need to be encased in expensive metal pressure vessels.

In short, they're rather short-lived and

unsafe.

In contrast, OWP's power system is safer, cheaper, and longer-lasting. It consists of an alloyed aluminum, a cathode alloyed with a combination cathode alloyed with a combination of elements (primarily nickel), and an alkaline electrolyte that's positioned between the electrodes.
When a UUV equipped with the power system is placed in the ocean,

sea water is pulled into the battery, and is split at the cathode into hydroxide

nions and hydrogen gas.

The hydroxide anions interact with the

aluminum anode, creating aluminum hy-

The excavation of a cave in the Czech Republic has offered archeologists evidence of both Neanderthal and human activity in the region between 28,000 and 50,000 years ago.

droxide and releasing electrons.

Those electrons travel back toward the cathode, donating energy to a circuit along the way to begin the cycle

Both the aluminum hydroxide and hydrogen gas are jettisoned as harm-

less waste.

Components are only activated when flooded with water. Once the aluminum anode corrodes, it can be replaced at low cost.

McKay said, "Think of the power system as type of underwater engine, where water is the oxidizer feeding the chemical reactions, instead of the air.

where water is the oxidizer reeding the chemical reactions, instead of the air used by car engines.
"Our power system can drink sea water and discard waste products. But that exhaust is not harmful, compared the oxidizer of the control of the con to exhaust of terrestrial engines.

With the aluminum-based power sys-

With the aluminum-based power system, UUVs can launch from shore and don't need service ships, opening up new opportunities and dropping costs. With oil prospecting, for example, UUVs currently used to explore the Gulf of Mexico need to hug the shores, covering only a few pipeline assets. OWP-powered UUVs could cover hundreds of miles and return before needing a new power system, covering all available pipeline assets.

McKay said, "Consider also the Malaysian Airlines crash in 2014, where UUVs were recruited to search areas

UUVs were recruited to search areas that were infeasible for equipment on

that were inteasole for equipment of the other vessels. "In looking for the debris, a size-able amount of the power budget for missions like that is used descending to depth and ascending back to the surface, so their working time on the sea floor is very limited. "Our power system will improve on that."

See the latest stunning views of Jupiter

Once every 53 days, Jupiter pulls Juno close. Locked in orbit since July 2016, the spacecraft has made five close flybys of the planet so far.

More than 1,300 Earths could fit inside Jupiter, but

Juno takes only two hours to zip from pole to pole, sci-

Juno takes only two hours to 2p from poie to poie, sci-encenews.org reported.

Juno took a sequence of 14 enhanced-color images during its north-to-south trek on May 19.

Each image's width corresponds to the width of the field of view of JunoCam — Juno's visible light camera.

As the spacecraft zooms closer, to about 3,400 kilom-ders above the cloud tors. eters above the cloud tops, less total area of Jupiter can be seen, but more details emerge.

be seen, but more details emerge.

Turbulent clouds, for example, signal massive tempests along the equator. New data from the mission reveal that near the equator, ammonia rises from unexpectedly deep in the Jovian atmosphere.

Such upwelling might fuel storms like these, but it's too early for scientists to tell. And what look like pincides of light exceet the artists could transcribe a grant great search transcribed area.

pricks of light across the entire south tropical zone are

Scientists from Stanford University have made a break-through in the quest to wire-

In 2007, Massachusetts In-

In 2007, Massachusetts Institute of Technology (MIT) researchers wirelessly charged a stationary object a few feet away, UPI wrote.

In recent experiments, scientists were able to wirelessly

transmit electricity to a moving LED lightbulb using a similar setup.If researchers can find a way to charge electric vehi-cles while on the go, it would remove the cars' biggest draw-

lengthy charging times. Lead researcher Shanhui Fan,

a professor of electrical engi-neering at Stanford, said, "In theory, one could drive for an unlimited amount of time with-

out having to stop to recharge, "The hope is that you'll be

- their limited range and

charge a moving electric



osed of ammonia ice and, perhaps, w

actually 50-kilometer-wide cloud towers

Found high in Jupiter's atmosphere, these clouds are probably made of ice crystals.

Juno mission leader Scott Bolton of the Southwest Research Institute in San Antonio, said, "It's snowing on Jupiter, and we're seeing how it works. Or it could be hail."
Either way, it's not snow or hail as we know it. The precipitation is probably mostly ammonia ice, but there may be water ice, too.

Juno doesn't have eves only for Jupiter. Sometimes

On its initial science flyby last August, Juno captured the first image of Jupiter's main ring seen from the inside looking out.

In the background of the newly released image, Betel-

geuse, in the constellation Orion, peeks above the gauzy band, and the three stars of Orion's belt glint from the bottom right.

Heidi Becker, leader of Juno's radiation monitoring team at NASA's Jet Propulsion Laboratory in Pasadena, Calif., said, "Taken with Juno's star-tracking navigation camera, the shot reveals that heaven looks the same to us from Jupiter

These rendezvous won't go on forever, but they could last into 2019

Scientists inch closer to wirelessly charging moving electric vehicles



able to charge your electric car while you're driving down the highway. A coil in the bottom vehicle could receive electricity from a series of coils connected to an electric current

embedded in the road."

Wireless charging relies on an electromagnetic phenomenon known as magnetic resonagnetic phenom-as magnetic reso-

ance coupling. Stanfo Electricity rotating around around

a tire can form an oscillating magnetic field. This push and pull can excite electrons in a nearby coil of wires, triggering a flow of electricity

a flow of electricity.

But in order to keep a continuous flow of electricity, the sets of coils must be manually tuned to maintain the resonant frequency as they move.

. worked Stanford scientists the problem

swapping out the transmitter's radio-frequency source and in-stalling a voltage amplifier and feedback resistor.

The duo can automatically calculate the proper frequency as the distance between the

as the distance between coils changes. Researchers described their breakthrough in the journal Na-

Lead study author Sid

Assawaworrarit, a Stanford grad student, said, "Adding the amplifier allows power to be very efficiently transferred across most of the three-foot

across most of the three-foot range and despite the changing orientation of the receiving coil. "This eliminates the need for automatic and continuous tuning of any aspect of the circuits." The team of scientists used

a relatively inefficient off-the-

a relatively melinicent off-ine-shelf amplifier.

A custom amp could boost the transmitters efficiency.
And research suggested further tweaks could boost the amount of electricity the technology can

Fan said, "We can rethink

Fan said, "We can rethink how to deliver electricity not only to our cars, but to smaller devices on or in our bodies. "For anything that could benefit from dynamic, wireless charging, this is potentially very invocate."

number of infected patients in the country to 21.



rolonged conflicts in the Middle East have led to a deadly humanitarian crisis, with as many as 17.5 million people displaced in Syria, Iraq and Yemen. In Syria alone, 11.5 million people have fled their homes — more than three people a minute — since the beginning of war in 2011. Five million have fled the country, and six million live in ad-hoc shelters across the

country, and six million live in ad-hoc shelters across the country, Ipsnews wrote.

The new numbers, in a report by the International Committee of Red Cross (ICRC) highlight the sheer magnitude of movement in the region, and the struggle of everyday life in first-hand accounts.

"When the siege of east Aleppo started last Ramadan [2016], the situation grew even more difficult as people were stranded for 190 days. The situation there was in a state of naralysis. My son was always hunory as there."

a state of paralysis. My son was always hungry as there was nothing to eat or drink. Food was extremely expenwas noming to eat of time. From was extremely expen-sive. We were forced to eat different kinds of lentil-based food. As a result, I lost 25 kilos," said Yasser, a business-man in Aleppo, who watched his son die as his building collapsed after a bombing.

Aleppo, a flourishing economic hub in northern Syria, laid in ruins after four years of hellish fighting between

laid in ruins after four years of hellish fighting between varying warring groups.

When the fighting finally ended on Dec. 15, 2016, 35,000 people were evacuated to neighboring areas in just one week. As residents move back into the city, livable housing remains a major problem.

In Ramadi, Iraq, which was recently liberated from Daesh terrorist group, fighting damaged almost 80 percent of the city. By March, more than a year since the war ended, only 60 percent of its civilians were able to return to the city. Nationwide, even before the Iraqi offensive on Mosul began in October 2016, almost a tenth of Iraqis were uproted from their homes.

In Mosul, at the beginning of April this year, nearly 274,000 remained displaced from their homes in the city. In all cases, the extent of damage has been complication.

2/4,000 remained suspaced from their nomes in the city. In all cases, the extent of damage has been complicated by tactics of urban warfare — firing in densely packed cities, and employing sieges against civilians. In three cities — Foua, Kefraya and Madaya — in eastern Aleppo, for instance, nearly 60,000 civilians

were trapped in a siege that lasted 190 days in 2016. Similarly, in a 15-month siege in Taiz, Yemen, nearly 200,000 people were caught in the cross-fire

Matters are made worse by continual use of high-impact weapons that destroy urban infrastructure — a single broken pipe, for instance, can deprive 100,000 people of water.

In a co-written editorial for The Guardian, ICRC Pres-ident Peter Maurer and Médecins sans Frontières (MSF) President Dr. Joanne Liu said "What we are witnessing is a sustained assault on, and massive disregard for, the

is a sustained assault oil, and inassive unsegued toil, the provision of health care during times of conflict."

The report urges parties involved in the conflict to uphold the rules of International Humanitarian Law (IHL), protect urban settings, and work to the pressing concerns of civilians.

Spurred by ongoing attacks on volunteers and medical Spincedy ongoing attacks of volunteers and interceat facilities, the United Nations Security Council adopted Resolution 2286 on May 3, 2016, which called on all warring parties to protect medical facilities and person-nel.

Almost 80 percent of respondents sup-port more or even much more spending on education, whereas only 20 percent would support more spending on de-fense policy.

In a number of countries, a majority of

In a number of countries, a majority of respondents is even willing to pay higher taxes in order to finance additional spending on education. The details of the study have been published as online preprints in the Journal of European Social Policy and the Journal of European Public Deliver, plays one respected. lic Policy, phys.org reported.

The survey was conducted via com-puter-assisted telephone interviews as puter-assisted telephone interviews as part of the project 'Investing in Edu-cation in Europe: Attitudes, Politics and Policies' (InVEDUC), which is financed with a Starting Grant from the European Research Council (ERC). It significantly advances scientific knowledge as it is the first international

knowledge as it is the first international comparative survey of public opinion on details of education policy. It provides evidence on public atti-tudes on education spending and financ-ing, the distribution of financial and other resources across different sectors of the education system, the governance of education as well as potential fiscal

of education as well as potential fiscal trade-offs between educational invest-ments and other social policies. The survey covers eight countries with different types of welfare states: Germany, France, the United King-dom, Ireland, Sweden, Denmark, Spain and Italy,

Spain and Italy.

In order to achieve the best possible data quality, the university's researchers collaborated with a professional survey institute specializing in international comparative surveys.

Marius Busemeyer explained: "One

further innovative feature of the survey turther innovative feature of the survey is to include experimental components: Different from previous surveys, we examined whether public support for higher education expenditures changes when people are confronted with various kinds of budget constraints."



When participants were asked to name just one out of several key areas of the welfare state - besides educaof the welfare state — besides educa-tion, these were, for instance, labor market policy, pensions, family policy, healthcare or social assistance — edu-cation policy did best at an approval rate of 29 percent, closely followed by

rate of 29 percent, crossely followed by health policy (22 percent). Other supposedly popular social policies such as pensions or family policy ranked considerably lower. A majority of participants supported greater state spending on education in countries like Germany and Italy, where expenditure is below average.

is below average. When asked about which sectors When asked about which sectors of education should be prioritized, respondents assigned top priority to general school education and vocational education and training (VET).

Across all countries, 62 percent of respondents demanded more or even

much more spending in these two sec tors. This is surprising given the fact that public debates often focus on ex-

that public debates often focus on expanding opportunities in early child education and higher education. In direct comparison, however, the public rather supports additional investments in general schools and VET.

In basically all surveyed countries, support for VET is higher than for higher education. This is especially true for countries like Italy or Spain, which suffer from high levels of youth unemployment rates. Germany, which is doing well in this respect, makes for the exception to the rule: Here, expanding early child education is companding early child

tor the exception to the full: Here, ex-panding early child education is con-sidered the more urgent issue.

Then there's the money problem:
In view of shrinking public budgets,
political attempts to increase educa-tion spending can pose a challenge. In
order to gauge the robustness of public

support for education spending when confronted with budget constraints, the survey contains experimental components, which confronts citizens with different trade-off scenarios. The survey evidence reveals that, as long as people did not have to worry electric to the former editional read-

as people and not nave to worry
about how to finance additional spending on education, more than 73 percent came out in favor of more or even
much more investment in education.
When reminded that this would

involve tax hikes or greater national debt, support dropped to 54 percent

debt, support dropped to 54 percent and 42 percent respectively.

This effect is even more pronounced in cases where more spending on education would lead to cutbacks in other areas of the welfare state, such as pensions. In this case, support for education plummets to 27 percent.

These findings show that politicians keen on expanding public spending face tough choices, because they are often forced to finance additional spending with cutbacks or tax hikes.

Generally, cutting back spending on other areas of the welfare state is less popular than tax increases or increas-

popular than tax increases or increasing the national debt. Across countries. ing the national debt. Across countries, a majority of respondents would accept higher taxes to bolster the education budget. Here, too, general school education and vocational education and training are deemed particularly worthy of investment with 57 percent of respondents expressing a willingness to pay additional taxes for the former and

pay additional taxes for the former and 54 percent for the latter, respectively. In Sweden, the discrepancy between popular demands for more education spending and people's actual willing-ness to pay higher taxes is relatively

In Germany, however, respondents were less willing to tolerate higher taxes: 60 percent support greater edu-cation spending, but only 44 percent would be prepared to accept higher

US school system fails to produce education equality

All across America, preparations are underway for high school graduation. It's a glorious time, representing both a milestone and a gateway to adulthood.

But missing from this year's ceremonies are more than one million kids who dropped out and will not be attending graduation during the property of the property of

tion day, dailysignal.com wrote.

The future those high school dropouts face is chilling. They The ruture those high school aropouts face is chilling. Iney will have a much harder time getting a job and will elarn much less than those who did graduate. They're also more likely to commit a crime and more likely to be the victim of one. In short, many of them face a life that will be so much more difficult—all because they could not or chose not to finish high

school.

The consequences of this crisis are especially evident in the US community. Today, more than half of all African-American students in many large US cities don't graduate from high school. Think about that.

And those kids aren't just dropping out — they're escaping. According to the National Assessment of Educational Progress, schools that serve majority-minority communities have the worst performance, the highest crime rates, and the largest achievement gass. achievement gaps.

In cities like Detroit, more than nine in 10 black students can't

meticules like Poetroli, flord than limbe in 19 black students can teven read or do math at grade level.

It wasn't supposed to be this way.

In 1954, the Supreme Court issued its landmark Brown v.

Board of Education decision, ruling that school segregation is unconstitutional.

'Massive Resistance' soon followed as many states launched

Massive Resistance soon followed as many states launched an all-out effort to block integration.

Today, the nemesis isn't the old Massive Resistance crowd, but a similarly determined cartel of unions, bureaucrats, and politicains. They make a great deal of money from the current system in the form of union dues, salaries, and political contributions.

As a result, they view education equality as a threat and anyone seeking it as their enemy.



Just ask Secretary of Education Betsy DeVos. Appearing before Congress recently, DeVos testified that her goal is "ensur-ing that every student has an equal opportunity to receive a great education".

But rather than be hailed for seeking the equality promised decades ago, she's being attacked by those who want things to stay just as they are.

But the secretary isn't just right — she's echoing the Supreme

Court's 1954 ruling which declared education to be 'a right

Court's 1954 ruling which declared education to be 'a right which must be made available to all on equal terms'.

Today in America, that right is conditional. If you are wealthy, white, connected, or elected, your child probably goes to or graduated from a great school.

But if you are African-American or Latino and living in a poor

urban neighborhood, your child is much more likely to go to a failing school — a school where more than half of all students can't read or write well, have low math scores, face the daily

preat of bullying and violence, and won't graduate.

Do these sound like 'equal terms' to you?

Research suggests US teens as inactive as 60-year-olds

Here's some compelling evidence that Americans have become a sedentary bunch: Research suggests that the average teen is no more active than the average 60-year-old.

Researchers analyzed data from more than 12,500 people of various ages who wore activity tracking devices for seven straight days as part of national health surveys conducted between 2003 and 2006, UPI wrote.

tween 2003 and 2006, UPI wrote.

The study found that physical activity levels among children and teens were lower than previously thought. The World Health Organization recommends at least 60 minutes of moderate-to-vigorous physical activity a day for children aged between five and 17.

But in the study, more than 25 percent of boys and 50 percent of sides and circuit Lund more than 50 percent of replace.

cent of girls aged six to 11 and more than 50 percent of males

cent of girls aged six to 11 and more than 30 percent of males and 75 percent of females aged 12 to 19 did not reach the WHO guidelines, according to the researchers from the Johns Hopkins Bloomberg School of Public Health in Baltimore.

"Activity levels at the end of adolescence were alarmingly low, and by age 19, they were comparable to 60-year-olds," senior study author vadim Zipunnikov said in a Hopkins news release. He is an assistant professor in the department of hostatistics.

"Ere reclock one abilities the primary window for extitivity."

rre is an assistant protessor in the department of biostatistics.
"For school-age children, the primary window for activity
was the afternoon between 2 p.m. and 6 p.m.," Zipunnikov said.
"So, the big question is, how do we modify daily schedules, in
schools, for example, to be more conducive to increasing physical activity?"

The study also found that the only increases in physical activity levels occurred among young adults during their 20s. Activity levels fell through midlife and older adulthood.

levels tell through midite and older adulthood. In all age groups, males tended to be more active than females. However, after midlife, men's activity levels fell sharply compared to females. And among adults aged 60 and older, men were more inactive and had lower light-intensity activity levels than females. The researchers also identified different times throughout the

day when activity was highest and lowest among the different

IRAN (2) DAILY >>> Entertainment

aredevil and profesional aerialist Erendira Wallenda broke the world record for the highest suspension over Niagara Falls, which straddle the international border between Canada and the United States.

On the fifth anniversary of her On the fifth anniversary of her husband of 17 years, Nik, walk-ing over the waterfalls on a tight rope, Erendira hung by her teeth from an aerial hoop dangling ap-proximately 300 feet above the thundering water, nbcnews.com

Her act set a Guinness World Record for height, breaking the record Nik set when he hung from his teeth 250 feet above Silver Dollar City in Branson, Missouri.

Transported by a heli-copter, Erendira sat in a hula hoop and performed multiple acrobatic flips before using only a mouth piece to suspend from the circle. She then hung upside down with her feet on the hoop before repeating the mouth

During her feat, her hus-band leaned face-first out of the



with an eight-person pyramid When some performers slipped, he and three others were able to catch the wire while the five rehelicopter with headphones on that allowed him to communi-cate with the pilot. She had a safety harness around her waist to comply with New York State

catch the wire while the rive re-maining fell to the ground.

In a press conference after
Erendira's successful stunt, Nik
confirmed that despite suffering
injuries, the five performers are already training or performing

In 1978, family member Karl Wallenda died in a high-wire ac-cident while attempting to walk between two towers of the Condado Plaza Hotel located in San

dado Piaza Hotel located in San Juan, Puerto Rico, according to the Associated Press.

After her routine, Erendira waved to the crowd watching her with binoculars and camer-as. While she sat in the hoop, the helicopter returned to the roof of

neticopter returned to the root of the garage of Niagara Resort. Speaking with reporters after-ward, Erendira said she couldn't hear anything while dangling because she was listening to mu-

"I just had to put myself back "I just nad to put myself back to my backyard training and I felt good enough that I was able to hang by my teeth a second time," she said in a press conference to reporters.

She said she did not anticipate the product of the prod

the wind to make the hoop shake as much as it did.

Erendira has attempted stunts since she was five years old and said she hopes she can perform another act with her husband five years from now the tradition of daredevil feats on to the next generation.

"I probably would want to spend all day long up there," she said. "It was a beautiful and amazing experience."

35-pound tabby cat seeking to slim down

Staff at an animal shelter in Washington, DC, are working to help a 35-pound (15.87kg) rescue cat shed weight and find a new home.

Humane Rescue Alliance shared video of Symba the hefty, six-year-dd, orange table, early

snared video of symba the nerty, six-year-old, orange tabby cat exercising on a circular treadmill device as he is prepared for adoption, UPI reported.

"HRA staff have seen a lot —

but we've never seen a 35 pound cat! At six-years-old, Symba is bigger than a lion cub and we know he'd be much more com-fortable if he slimmed down a

fortable if he slimmed down a bit," the rescue group said.

The staff at HRA are seeking a new owner for Symba who is willing to provide a loving home and help guide him to a healthier weight.

healthier weight.
"If you're up for the challenge, he'd love to go home with you and continue his weight loss journey," HRA said.
"This handsome followed. This handsome fel-

ow is sweet, mellow, and waiting for a new home where he can thrive."

Symba arrived at the rescue group after his previous owner moved to a nursing facility that describillow new home.

doesn't allow pets.

HRA spokesman Matt Williams told Today



that Symba needs to lose at least 15 pounds to maintain a healthy weight and will require an owner willing to hold him to a strict diet

willing to hold him to a structure, and exercise regimen.
"As much as we love Symba, as cute as he is, his obesity is serious," Williams said.
"He really needs to lose the weight to live a good life."

Two-headed porpoise pulled from ocean in the North Sea

law for stunts that occur more

The family has had safety issues in the past. In February, Nik Wallenda attempted to perform another high wire stunt

than 20 feet in the air.

A newly born two-headed porpoise has been documented by a group of Dutch fish-ermen and studied by a team of researchers from several institutions in the Netherlands.

In their paper published in Deinsea—
Online Journal of the Natural History Museum Rotterdam—the researchers reported how the fishermen caught the porpoise,
photographed it and then threw it back into

the ocean, phys.org wrote.

Reports of conjoined twins in cetaceans (a family that includes whales, porpoises and dolphins) are rare, quite naturally because they occur in the open sea — it is also likely that most would die shortly after birth, like the specimen found by the fishermen. In this case, if appears the porpoise was born without the ability to swim. The fishermen knew the porpoise was a

The fishermen knew the porpoise was a rare find, but because they were subject to rules preventing them from keeping caught mammals, they were compelled to throw it



back into the sea - but not before taking multiple photographs, which they sent to the team at Deinsea.

the team at Deinsea.

In studying the photographs taken by the fishermen, the researchers found signs that it had been born very recently — the dorsal fins were limp and the umbilical opening. was still open also, the tail had not stiffened, which meant it could not swim

Additionally, both of the heads still had strum hair, which disappears in healthy

porpoises shortly after birth.

The research team reported also that the porpoise was male, and that it had two heads that were fully formed.

It also had individual pectoral fins, but just It also had individual pectoral rins, but just one body. They suggest it is likely the porpoise was symmetrically conjoined, which happens when two embryos fuse into one. In other cases, a single embryo does not split, preventing the development of separation.

Though there have been nine previous

Though there have been nine previous cases of known conjoined sightings in cetaceans, this is the first for a porpoise.

Researchers believe that twins, conjoined or otherwise, are rare in porpoises because porpoise calves in utero are too

The development of conjoined twins would normally kill the mother, though it is not known if that was the case for the one found in the North Sea.



Quick Crossword 16 19 20

- . Smooth fabric (6)
- 2. Precious stone (3) 3. Simple (4)

DOWN

- 4. Bee house (6)
- 5. Imprecise (7)
- 6. Reverberation (4)
- 9. Oval (7) 11. Saunter (6)
- 12. Blood vessel (6) 15. Optical device (4)
- 16. Ursine mammal (4) 18. Uncooked (3)

ACROSS

- 1. Obscure (5)
- 4. Nimble (5)
- 7. Monumental (7)
- 8. Fencing sword (4)
- 10. Test (5)
- 13. Woodwind instrument (5)
- 14. Celestial body (4)
- 17. Innovator (7)
- 19. Carapace (5)
- 20. Raucous (5)

COMPANION D D LAPEL ANJ 0 В S R Ε IDEA BIIA N 0 D Р G DUNE BEAN Α Ν O C С | A | R | G | RAL L 0 Ε |O|N|C|L|U|D|E|D

Sudoku

Sudoku was inspired by the table devised by Iranian mathematician Khwarazmi, Fill 9×9 grid with digits so that each column, each row and each of the nine 3×3 sub-grids that compose the grid, contains all of the digits from 1 to 9.

| | | 7 | | 1 | | | 4 | |
|---|---|----------|----------|---|---|---|---|---|
| 3 | | | | | | 8 | | 7 |
| 5 | | | | 2 | 6 | | | |
| 7 | | | | | | 5 | | |
| | | | 5 | | 3 | | | |
| | | 4 | | | | | | 1 |
| | | | 4 | 7 | | | | 6 |
| 2 | | 9 | | | | | | 4 |
| | 7 | | | 8 | | 9 | | |
| ε | ς | 6 | 7 | 8 | I | 9 | L | t |
| t | ı | L | ς | 3 | 9 | 6 | 8 | 7 |
| 9 | 8 | 7 | 6 | L | Þ | ς | ε | I |
| I | 6 | ε | L | 9 | 7 | Þ | ς | 8 |
| 8 | L | 7 | ε | 6 | ς | 7 | I | 9 |
| 7 | 9 | ς | I | 7 | 8 | ε | 6 | L |
| 6 | ε | I | 9 | 7 | L | 8 | Þ | ς |
| L | 7 | 8 | t | ς | 6 | I | 9 | 3 |
| ς | t | 9 | 8 | 1 | 3 | L | 7 | 6 |

IRAN ODAILY >> Sports



anchester United is watching the Cristiano Ronaldo show with renewed interest after the Real Madrid est after the Real Madrid striker made it plain he is "outraged" at what he feels is unfair treatment by tax authorities and is now deter-mined to leave Spain.

Ronaldo, who signed a new five-year contract in new Inve-year contract in November, has made no secret of his affection for United – the club he left to join Madrid in 2009 after six years at Old Trafford – and José Mourinho, who shares the same super agent, Jorge Mendes, would relish his Mendes, would relish his return as he seeks to build a team capable of a title chal-lenge and a successful cam-paign in the Champions League, the Guardian reported.

United remains one of United remains one of the clubs with the financial muscle to offer a competi-tive package for Ronaldo – the Red Devils are predict-ing record revenues of up to £570million this year - and his return would be a dream

mercial move. e has a €lbillion

(£880million) release clause in his current Madrid deal and United – now without Zlatan Ibrahimovic's wages on the books and the potenon the books and the poten-tial to lose Wayne Rooney's financial burden soon – would be able to meet Ron-aldo's wage demands of around £400,000 a week. Paris Saint-Germain could match United's offer but the match United's offer but the Old Trafford move presents Ronaldo with his fairytale moment and a far grander stage on which to perform. The potential availability of one of the world's most

or one of the world's most marketable players will also naturally alert the Chinese Super League clubs. Reports that Ronaldo wanted to leave Real were sparked on Friday in the Por-trueses personer A Rola tuguese newspaper A Bola. It claimed his decision was "irreversible" and that he has already told his Madrid teammates that he wants to

The root of Ronaldo's anger stems from Spanish prosecutors' lawsuit against the player, accusing him of defrauding tax authorities of €14.7million by hiding his

image rights income between 2011 and 2014. Ronaldo has categorically denied any wrongdoing. Real backed

wrongdoing. Real backed that assertion, saying it was confident the Portuguese for-ward had acted legally. Ronaldo's frustrations at his treatment come after leading Real to three Cham-pions League titles scoring. reading Real to three Chain-pions League titles, scoring twice in last month's final against Juventus in Cardiff as Real became the first club to retain the trophy. He also became only the second player to score in three dif-ferent finals and remains the ferent finals and remains the competition's record goal scorer with 105.

scorer with 105.

Barcelona's Lionel Messi took a similar stance in threatening to quit Spain in 2014, also claiming he had been singled out for special treatment, when he was accused of concealing €4.1milcused of concealing &1.1ml-lion from the authorities. The Argentina international was found guilty and subsequent-ly lost an appeal against a 21-month prison sentence under Spanish law sentences under two years are usually suspended – and a €2.1million (£1.8million) fine.

Murray 'may only have couple of years left' at top

World number one Andy Murray said he may only have "a couple of years" left at the top of tennis but insists he will "make the most of every tournament'

Now 30 years old. Murray will be aiming to win Wimbledon for the third time and equal Fred Perry's record when the tournament starts next month, BBC reported.

The Scot, who was knighted in the New Year Honors, turned 30 in May and all of the top five players on the men's tour are in their 30s. Spaniard

20 to 30 years, normally by early 30s is when players have struggled to stay at the top.

"I know some of the players have been doing really well until their mid-30s recently, but that might not be the oss execute, but that hight hot be the case with me. Maybe the next couple of years are the last few where I have a chance to compete for the majors and the biggest tournaments.

"Most of the players are travelling with physics now, spending a lot more time working in the gym to protect their bodies from the kind of pounding you give it on the court as well. I think some of that explains it.

"I don't know how long I'm going

2013 and 2016, begins on July 3 and the defending champion said expecta-tions will be high that he can repeat his previous successes.

"For me, it is obviously always go ing to be the biggest tournament dur-

ing to be the biggest tournament dur-ing the year," said Murray "A lot of pressure comes with it as well. There's a lot of expectation during this period, so it can be a bit stressful – but I'm able to get away from that as well because I'm at home, I'm sleeping in my own bed and I have all my family around

"I'm older and more experienced in dealing with it. The pressure and stress that goes with it maybe

when I was younger. '

Being world number on

Since becoming world number one in November last year he has struggled with injuries and for form. So has the pres-

and for form. So has the pres-sure of being top of the rank-ings taken its toll?

"It hasn't for me," he said.

"I mean, I've been asked that question lots over the past that question lots over the past few months. I didn't play par-ticularly well from February through to the French Open, but at the French (where he was knocked out in the semifinals by Wawrinka] I felt I played quite well

quite well.
"It [the world ranking] isn't

It the world ranking) isn't something I think about when I'm on the court or when I'm preparing for matches.
"Obviously when you get asked about it, you spend a little bit of time thinking: 'Maybe, could it be because of that?"
But I really don't think it has But I really don't think it has been the reason why I struggled for a few months - but everyone will have their own opinion

on that.
"It's been a frustrating few
" - because I picked up a months because I picked up a couple of injuries, including one to my elbow, and a couple of illnesses

of filnesses.

"I was still pretty nervous going into the French because I'd hardly won any matches for while, but with each match that I got through, I started to build confidence,

started to play a little bit better and was very close to reaching the final by "Form can turn around very quick-ly providing you're mentally in the right place and you're doing the right things and training. And I feel I'm in

a good place now to go on a good run during the grass."

the Champions League, a trophy Juve's owners, the Agnelli family, wanted but Conte had proved unable to pro-vide. That season Italy's Old Lady had dropped out of Europe's premier com-petition at the group stage. For Conte the issue was simple: he was not able to compete at the

not build skyscrapers with a pail and shovel." And before Juve faced Real Madrid in the group stage in his final season Conte said: "They are in a tank, we are a car."

Conte wanted the money to strengthen the side with players such seasons. Alaxie, Stender, they are Bress. strengmen the stock with players such as Alexis Sánchez, then at Barcelona, and Juan Cuadrado. Instead the club told him Bianconeri had struck a deal for Patrice Evra, a Champions League-winning full-back, but by then 33 years of age.

The manager was also reported to

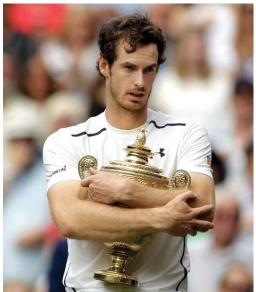
have become frustrated with other elhave become trustrated with other el-ements of the club's operations, from proposed summer tours to the players' win bonuses. On July 15, 2014 Juven-tus announced that Conte was to leave by "mutual consent". In the statement published by the club on its website, Conte announced

Asked about his relationship with



wants it to. As for a quanty, that is conacity, for sure."

Chelsea would have known this about Conte when the Blues signed him. The London club might also have known that Conte walked out of another managerial job at Bari, just a mouth after cortine the club promoted. another managerial foo at Bart, just a month after getting the club promoted to Serie A and signing a new contract. But now, as the hierarchy and manager dispute the best way for the club to build on a league title with European dominance, the Premier League champion is feeling the force of Control of the Control of the



Rafael Nadal is 31, Stan Wawrinka of Switzerland is 32, Serbia's Novak Djokovic is 30 and Swiss Roger Fe-

But Murray said that despite play-ers continuing to compete at the high-est level into their 30s he accepts that he may not have long left at the top. "My coach, Ivan Lendl, was still

competitive at the top until he was about 32 but, generally, over the past

to be playing for any more. I want to make the most of every tournament I compete in. If I'm going to be away from my family, I'm not going to do that and not do my best, be totally professional and take every tournament as seriously as I can. "

Wimbledon, which Murray won in

Conte's tenacity may become a problem for Chelsea

Reports suggest the Chelsea manager is at loggerheads with the club's hierarchy over transfer dealings, less than month after he lifted the Premier League trophy. These accounts carry echoes of Conte's final months as manager of Juventus.

a hugely successful manager in Turin, securing a record Serie A points total in his third consecutive title-winning season of 2013-14. But on the day he

won the title Conte was asked on TV about his plans for the next season

about ins plans for the next season. His reply was as unexpected as it was colorful: "Well, you cannot go to eat at a 600 restaurant with just 610 in your pocket, can you?" the Guardian reported.

With this metaphor, Conte was referred to his team?

ring to his team's prospects of winning the Champions League, a trophy Juve's

same financial level as other giants of European football. It was a theme he had aired before, more than once. When Juventus was knocked out of the Champions League by Bayern Munich at the quarterfinal stage in 2013, Conte told the media: "You do

he wanted to give "an enormous thank you" to the club but that "it might be more difficult to keep winning with Juventus" Agnelli, was effusive in his praise, de scribing Conte as a "great leader" whe "led us to write history".



onio Conte raised the 2016/17 Premier League trophy in his first year in charge of Long Blues, Chelse As at Stamford Bridge, Conte was

Prophet Muhammad (PBUH):

Four things support the world: The learning of the wise, the justice of the great, the prayers of the pious, and the valor of the brave

'Harry Potter' British actor Beazley dies aged 101

'Harry Potter' actor Sam Beazley, who played Professor Everard in the 'Order of the Phoenix', died at the age of 101. According to dailymail.co.uk, the British actor, born in

Kensington, had a long and distinguished theater career be-



He played Professor Everard in 'Harry Potter' and the 'Or

He played Professor Everard in 'Harry Potter' and the 'Order of the Phoenix', the fifth in the series. He also appeared in 'Johnny English' and 'Bridget Jones' Diary'.

His death was announced in the Times newspaper, with a statement reading: "Actor and artist, died in his sleep June 12, 2017, aged 101. Beloved brother-in-law, uncle and the control of the professor of the profe great uncle. Funeral on June 21, at Mortlake Crematorium, 2pm."

Everard was one of the former headmasters of Hogwarts,

Everard was one of the former headmasters of Hogwarts, and his portrait hung in Professor Dumbledore's office.

Everard was sent by Dumbledore to his portrait at the Ministry of Magic when Arthur Weasley was attacked by Nagini, to warn of possible future attacks.

Beazley had started his acting career as a teenager on the

stage, but left the profession to serve in World War Two.

stage, but left the profession to serve in World War I Wo. He ran an antique shop for several decades afterwards but returned to his first passion aged 75. Beazley was also the Vicar in the 1995 version of 'Pride and Prejudice' and appeared in Foyle's 'War and Midsomer Mur-ders'.

Avildsen, director of 'Rocky', 'Karate Kid' dies at 81

John G. Avildsen, who won an Oscar for directing the original 'Rocky' (1976), starring Sylvester Stallone, and also directed all three of the original 'Karate Kid' films, died in Los Angeles at the age of 81.

at the age of 81.

Avildsen also won the DGA Award for directing 'Rocky', which also won Oscars for best picture and film editing and was nominated in multiple other categories.

In 2006, Variety interviewed Avildsen, who said that a film with a boxing story didn't excite him at first, but he was

"moved by the urban character study of Sylvester Stallone's

He held out on directing part two in lieu of another project

— a decision that Avildsen said was "one of my greatest mistakes". He returned to the franchise to direct 1990's 'Rocky

In 1983, he was Oscar nominated again, this time for the

In 1983, he was Oscar nominated again, tins time for the documentary short Traveling Hopefully.

The Director's Guild released a statement, saying, "We were greatly saddened to learn of the passing of beloved director John Avildsen. His iconic 'Rocky', which won the DGA Feature Film Award in 1976, has been lionized throughout our culture as the quintessential underdog story—a recurring theme in his notable body of work which included 'Save the Tiser' and 'The Karate Kid' franchise. included 'Save the Tiger' and 'The Karate Kid' franchise.

Included Save the decades, his rousing portrayals of victory, courage and emotion captured the hearts of generations of Americans."

He served on the DGA's National Board for three terms, on the DGA's Eastern Directors Council from 1977-1990, on the Western Directors Council from 1992-1994, and was a member of the 1987 and 1996 DGA Negotiating Committers

tees.
Avildsen developed a reputation for making movies about losers, or underdogs, who somehow become winners.
Avildsen's other films included the critically hailed dramathriller Joe (1970), starring Susan Sarandon and Peter Boyle. It was his first success as a director, and was praised for Peter Boyle's performance.

'Save the Tiger' (1973), an issue-oriented drama sporting an outstanding starring performance from Jack Lemmon, was nominated for three Oscars, with Lemmon winning best ac-tor. The three Oscar nominations for 'Save the Tiger' and the win for Lemmon secured Avildsen's place on the list of go-to

win for Lemmon Security
directors.

His other films included comedy 'W.W. and the Dixie

1/1075\ eterrino Burt Reynolds; thriller 'The For-Dancekings (1973), starring Burt Reynolus; inriner The For-mula' (1980), starring George C. Scott and Marlon Brando; eerie comedy 'Neighbors', starring John Belushi and Dan Aykroyd: pregnancy comedy 'For Keeps?' (1988), starring Molly Ringwald; drama 'Lean on Me' (1989), which helped launch Morgan Freeman's career; and bull riding biopic '8 Seconds' (1994), starring Luke Perry.





























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Iran's 'Cold Breath' screening to be dedicated to Kiarostami in Europe

Compiled from Dispatches

The public screening of 'Cold Breath', by Abbas Raziji, is to be dedicated to late internationally-acclaimed Iranian film director Abbas Kiarostami

Raziji said the late Kiarostami had played a key role in introducing Iranian cinema to the world, Europe in particular.

rie said the film is to vie at the 14th Salento International Film Festival (SIFF) which is to take place from September 1 to 9, 2017 in Tricase, Salento Apulia in Italy.

Raziji noted that the film has so far taken part in over 40 international festivals and has managed to win several awards.

The movie narrates the story of a woman called Maryam, who is past her thirties, and the hardships



she faces every day Meanwhile, Experimental-documentary film 'Abbas Kiarostami', directed by Midia Kiasat, will go on screen

Karostami , directed by Mida Kiasat, will go on screen at Vagrant Flim Festival 2017 in Belarus.

This film will premiere at the inner courtyard of the National History Museum of Belarus in Minsk on July 23 to compete with 30 other works from other countries. The flick demonstrates a new look at late Kiarostami in which the archival footage and songs by prominant traditional worslife. Shelpen Magazi ear stead in

nent traditional vocalist Shahram Nazeri are used on

nent traditional vocatist Snanrain Nazeri are used on script and film title sequence.

Kiarostami was a highly influential figure in world cinema who passed away in July last year at 76 in Pariswhere he had been undergoing treatment for cancer. The news of his death rattled fellow filmmakers and audiences around the world. Former French president François Hollande was among the most notable figures to pay tribute to Kiarostami, hailing him as the filmmaker who has "profoundly marked the history of

Farhadi's films displayed in Rome open-air festival

The retrospective of Iranian Oscar winner filmmaker As-ghar Farhadi is part of the Third Trastevere Film Festival, currently underway in

the Trastevere district of

Rome.
The open-air festival started on June 1 and has so far shown Farhadi's 'About Elly' and 'A Separation' and will screen 'The Past' on June 20, and

'The Past' on June 20, and his Oscar-winning film 'The Salesman' on June 30, ifpnews.com reported.

There are also other retrospective sections dedicated to

Lynch, Michelangelo Anton-ioni and Stanley Kubrick. Films

will be shown in their original language with Italian subtitles during 60 nights of free cinema under the stars.

The festival also includes movies from Italian comedies Disney classics and Pixar masterpieces, as well as movies diterpieces, as well as movies di-rected by renowned filmmakers Martin Scorsese, Wim Wenders, Ang Lee, Xavier Dolan, Rich-ard Curtis and many others. Horror films will also

be shown.

be shown.

During the event,
many movies will be
presented by Italian directors and actors such
as Roberto Benigni and
Renzo Arbore, providing a great opportunity to meet the popular art-ists and discuss the

movies as well.

This year the festival has doubled the outdoor seating to 400. It will conclude on August 1.

Berlin-bound drama to shed light on Iran's 'Plight'

Iranian short film 'Plight', written and directed by Moham-madreza Khavari, will be screened in the short competition sec-tion of Berlin Flash Film Festival, Germany. The event is a monthly, online film festival followed by an



awards ceremony/live screening held in Berlin at Zoo Palast, recognizat Zoo Palast, recogniz-ing the overall winners in each category.

Berlin Flash Film Fes-tival celebrates micro, super short films, shorts,

and scripts. Each month, or Edition, all entries is screened on

and scripts. Each month, or Edution, an entries is screened on-line by an international panel of experts from the film and perfor-mance industry, Mehr News Agency wrote.

The first edition of short film festival of Berlin Flash will be held from July 1 to 25, 2017. Khavari's other short productions have taken part in international festivals in the US, Spain, Portu-gal, Slovenia, India, among other countries.















Tashkent

Sari Yazd