

999

SECURITY AND SAFETY FOR ALL

ISSUE 94 NOVEMBER 2019

**THE JOURNEY
OF FIRST EMIRATI
IN SPACE**

**ROBOTS NOW
BATTLING
THE BLAZE**

**ABU DHABI
SPOTLIGHT**

**THE COLOURS
OF WINTER**

CAN YOU BE A HERO TODAY?

**STORIES OF COURAGE AND
KINDNESS OF UAE RESIDENTS**

UAE 5,000 AED
KSA 5,000 SAR
Kuwait 0.500 DK
Bahrain 0.500 BD
Oman 0.500 OR



IN THIS ISSUE: UAE UNVEILS WORLD'S FIRST FLOATING POLICE STATION. CHECK OUT FOR MORE DETAILS



Zayed's Dream



The idea of organizing the (Zayed's Dream) event on the 48th National Day comes in the Year of Tolerance. The UAE has been seeking for many years to attract best expertise in all fields. Today, the UAE is preparing to embrace a new era of development and ambitions, on the path of achieving the aspirations of the wise leadership placing the UAE in an advanced and pioneering position. This necessitates the utilization of the sources of knowledge as well as the theories and practical applications of scholars and thinkers to benefit from knowledge contents in the formation of an integrated system incorporating creative national powers supported by a highly capable infrastructure, propelling the UAE to a pioneering status that creates opportunities serving the people and making them happy.



وزارة الداخلية
MINISTRY OF INTERIOR



From his headquarters at Qasr Al Hosn, the late Sheikh Zayed bin Sultan Al Nahyan transcended the dream of the federation to the dream where the sky is the limit. This is when he met on February 12, 1976 at his palace in Abu Dhabi's Al Bateen area American astronauts Thomas Stafford, Vance Brand and Donald Saiton, and American-Egyptian Nasa scientist, Farouk El-Baz, who visited Abu Dhabi at the invitation of the UAE government.

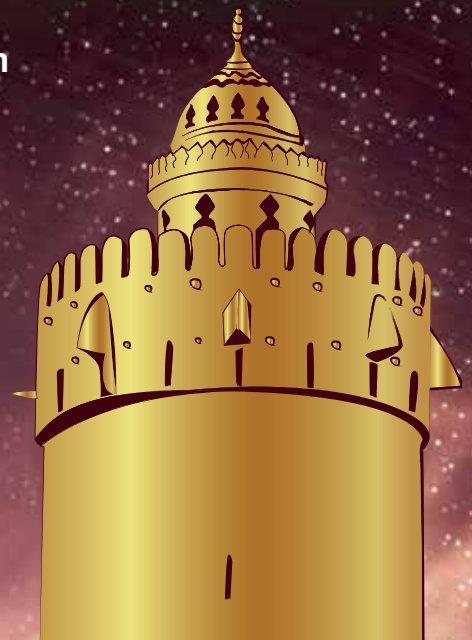
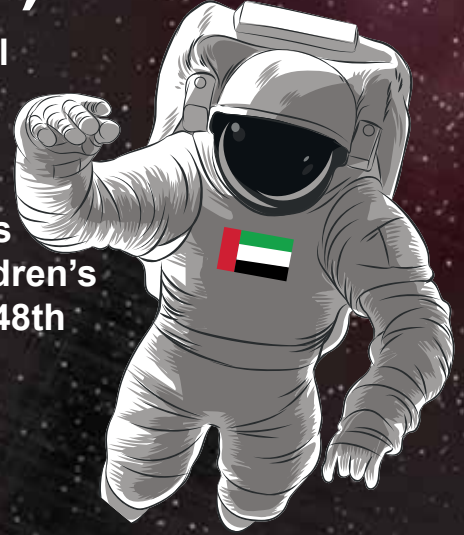
Zayed's message was to re-originate science, as he had always held the great Arab scientific achievement in a tolerant spirit, taking the federation to new heights. The UAE has truly been the only Arab example, not only in unity and federation, but also in the reproduction of a distinguished state aspiring to embrace the 21st century in a capable manner and in confidence.

The spaceship model (Zayed's Dream 2021)

The unveiling of the spaceship model (Zayed's Dream 2021), made by the fingerprints of elementary school students in the UAE, and it will be entering the Guinness World Records as the largest model made up of children's fingerprints on the occasion of UAE 48th National Day

Messages of Tomorrow's Pioneers

A total of 10,000 packages will be distributed at the country's schools. Children will leave their fingerprints on the Year of Tolerance card. These cards will be placed on the Zayed's Dream 2021 spaceship model as messages of peace and tolerance from the generation of future pioneers. The fingerprints will be put together on the Zayed's Dream 2021 spaceship model, and later, the model will be listed in the Guinness World Records as the largest model made up by children's fingerprints



The spaceflight of the UAE's first astronaut is a heroic story that should inspire a whole generation, and make them look up at the stars, eager to explore the ultimate frontier

The ultimate frontier

There's a good reason why space is called "the ultimate frontier". One of the most memorable quotes from the historic Apollo 11 space mission – the one that celebrated its 50th anniversary in July 2019 – was by astronaut Michael Collins. While Neil Armstrong and Buzz Aldrin set foot on the surface of the Moon, Collins was in the Apollo 11 command module orbiting the Moon, thinking about spaceflight and Earth. In his book, *Carrying the Fire*, Collins wrote: "I really believe that if the political leaders of the world could see their planet from a distance of 100,000 miles, their outlook could be fundamentally changed. That all-important border would be invisible, that noisy argument silenced. The tiny globe would continue to turn, serenely ignoring its subdivisions, presenting a unified façade that would cry out for unified understanding, for homogeneous treatment."

To become an astronaut, therefore, is to transcend the normal human existence, no matter how eventful that is. To become an astronaut is to experience something that we've heard about or read about but never quite understood. In September 2019, one man from the United Arab Emirates had that incredible, indescribable experience of seeing Earth from about 248 miles (400km) away. Hazzaa Al Mansoori made history as the first Emirati astronaut and the first Arab to visit the International Space Station. In our special feature this month, we bring you a detailed account of how this 21st century achievement has its roots in the 20th century dream of the UAE's founding father, the late Sheikh Zayed bin Sultan Al Nahyan; how that dream moved towards becoming a reality; and finally, how the two best men were shortlisted and one of them made it to the floating laboratory. The spaceflight of the UAE's first astronaut is a heroic story that should inspire a whole generation, and make them look up at the stars, eager to explore the ultimate frontier.

Even here on Earth, the UAE has many heroes, though not the spaceflight kind. Our cover story helps you become acquainted with the country's everyday heroes, people who save lives, give back valuables, and perform many acts of courage and kindness.

Since the UAE always does things with an eye on the future, this issue presents an overview of the future of mobility, as seen at the latest edition of the technology exhibition GITEX. From cardless Metro travel to instant translation in 26 languages in taxis, there's an astonishing array of smart city features for people in this country. The UAE also debuted the world's first floating Smart Police Station (SPS). To be located at the heart of the World Islands, this SPS will ensure law-keeping literally in the middle of the sea, and **999** takes you right there.

Another feature looks at this country's strategy to improve public safety by deploying one of the world's most advanced firefighting robots, named Thermite. The article includes a round-up of other robots in the world doing a similar job.

Addressing the safety and happiness of individuals, this month's issue has a very timely feature on protecting your Emirates ID, a personal database carried on a chip. The scope of things that one can do with this identity card is increasing; all the more reason why it becomes attractive to crooks and needs safeguards.

Like every month, we have here more knowledge you need for a more fulfilled life. See you again!



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MISSION ACCOMPLISHED: UAE IN SPACE

THE MISSION CALLED EXPEDITION 61, WHICH TOOK EMIRATI ASTRONAUT HAZZAA AL MANSOORI TO THE INTERNATIONAL SPACE STATION, HAS MANY FIRSTS FOR THIS COUNTRY AND FOR THE ARAB WORLD. **999** TAKES YOU ON A JOURNEY TO WHERE IT ALL STARTED – FROM THE DREAM OF THE LATE SHEIKH ZAYED

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It is vital to make students partners of the concerted effort to maintain safety in society. **999** has taken steps to inculcate amongst them the value of keeping our communities safe and secure

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The UAE's firefighting robots are taking on huge blazes that could be fatal for even highly trained human personnel. The country is raising the bar for saving lives and property with cutting-edge technology

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Social pressure to marry leads an accomplished woman to walk into a trap of domestic abuse



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COVER STORY

EVERYDAY HEROES

THEY ARE COURAGEOUS, COMPASSIONATE, AND NEVER HESITATE TO EXTEND A HELPING HAND – 999 MEETS THE PEOPLE WHO MAKE THE UAE A NATION WITH A BIG HEART



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Internationally respected artist

UAE leads Arab region in Global Competitiveness Report 2019



UNDER the wise leadership of President His Highness Sheikh Khalifa bin Zayed Al Nahyan, the UAE ranked first in the Arab World and 25th globally in the latest Global Competitiveness Report.

According to the report released by the World Economic Forum, the UAE gained two positions since the last

edition based on the assessment of the competitiveness landscape of 141 economies, providing unique insight into the drivers of economic growth.

The country has made significant improvements in 52 indicators in this year's report and maintained its performance in other 27 indicators.

Commenting on the landmark achievement, HE Mohammad bin Abdullah Al Gergawi, Minister of Cabinet Affairs and The Future, and Chairman of the Federal Competitiveness and Statistics Authority (FCSA) said: "We are pursuing the approach set out by President His Highness Sheikh Khalifa bin Zayed Al Nahyan, and His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, which focuses on hard

work and diligence to improve and develop performance in all competitiveness indicators, especially those associated with the UAE Centennial 2071 project."

This approach will be achieved through modernisation and updating of legislations and streamlining of procedures as well as the adoption of innovation to move up on the scale of global competitiveness and deliver the leadership's vision and sustain development in competitiveness indicators, he added.

HE Sultan bin Saeed Al Mansouri, Minister of Economy, also hailed the UAE's advanced position in the global report, saying it is a new important milestone that will be added to the many remarkable achievements made by the UAE in the global arena.

President issues decrees on new appointments

PRESIDENT His Highness Sheikh Khalifa bin Zayed Al Nahyan has issued a decree appointing HH Sheikh Khalid bin Mohamed bin Zayed Al Nahyan, Member of Abu Dhabi Executive Council, as Chairman of Abu Dhabi Executive Office.

The appointments of HH Sheikh Theyab bin Mohamed bin Zayed Al Nahyan, Member of Abu Dhabi Executive Council, as Chairman of Abu

Dhabi Crown Prince's Court; and Dr Ahmed Mubarak Ali Al Mazrouei as Chairman of the Office of the Chairman of the Abu Dhabi Executive Council were issued in two separate decrees.

HH Sheikh Khalifa bin Zayed Al Nahyan also inked a decree assigning Falah Mohammad Al Ahbab as Acting Chairman of the Department of Transport, in addition to his current role.

Meanwhile, a decree for the

establishment of the Department of Government Support, appointing Ali Rashid Qannas Al Ketbi as Chairman of the new department and Member of the Abu Dhabi Executive Council, was also issued. Under the decree, the Department of Government Support will encompass the Abu Dhabi Statistics Centre, Human Resources Authority, Abu Dhabi School of Government and Abu Dhabi Digital Authority.

Khalifa awards Algerian envoy Medal of Independence

PRESIDENT His Highness Sheikh Khalifa bin Zayed Al Nahyan feted Saleh Al Attiyah, Ambassador of Algeria to the UAE, with the First Class Medal of Independence.

The award was in recognition of the Algerian ambassador's efforts to enhance the relations between the UAE and his home country.

HE Dr Anwar Gargash, Minister of State for Foreign Affairs, presented the Medal to Al Attiyah, during their meeting at the office

of the Ministry of Foreign Affairs and International Cooperation in Abu Dhabi.

The Minister of State for Foreign Affairs praised Al Attiyah's work and valued the bilateral relations between the UAE and Algeria. He also wished the ambassador success in his future endeavours.



Mohammed bin Rashid lauds Al Mansoori's historic space flight



HIS Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, congratulated first Emirati astronaut Hazzaa Al Mansoori after completing his historic eight-day mission on board the International Space Station (ISS).

During Al Mansoori's return to Earth from the floating laboratory, His Highness

penned a message on Twitter.

"The son of UAE has safely returned to Earth after finishing the first trip of an Arab to the International Space Station. We are proud of your achievement and

happy about the knowledge and experience we gained, and we are optimistic about the new journey we have started for our generations," His Highness said.

During Al Mansoori's return to the UAE, His Highness stressed that the success story of the first Emirati astronaut will go down in history.

While Al Mansoori was on board the

ISS, a historic call was made between him and His Highness Sheikh Mohammed bin Rashid Al Maktoum.

Speaking from the Mohammad bin Rashid Space Centre, His Highness told the Emirati astronaut that his visit to the ISS is "only a first bold step into space for UAE".

"You're a source of pride for all Emiratis. You're the first and the first is always be remembered. However, I can proudly assure you that a generation of young Emiratis will follow in your footsteps and become space scientists and technology pioneers," His Highness told Al Mansoori.

Meanwhile, the Emirati astronaut thanked the wise leadership for their utmost support to the expedition. He also assured His Highness on the progress of his experiments on board the ISS.

Vice President announces new long-term visa scheme for artists, authors

HIS Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, has announced new long-term cultural visa for artists and authors to boost the emirate's creative industry.

The move came following His Highness' meeting with the Dubai Culture and Arts Authority.

HH Sheikh Mohammed bin Rashid Al Maktoum said the Authority, chaired by HH Sheikhha Latifa bint Mohammed bin Rashid Al Maktoum, would use Dubai's 6,000 art and culture companies, five creative clusters, 20 museums, and more than 550 annual cultural events to position Dubai as a global art destination.

"We have decided to give the first long-term cultural visa for innovators and have approved a

free zone for innovators and artists in Al Quoz," His Highness announced in a statement on Twitter.

This, as HH Sheikh Mohammed bin Rashid Al Maktoum also revealed plans to open seven "Schools of Life", which will serve as cultural centres to teach young people skills in art, innovation, and creativity.

As part of the efforts to boost the emirate's art scene, several events were announced, including a new literature season and an art exhibition to



HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President of the UAE and Ruler of Dubai (centre), HH Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Crown Prince of Dubai (right), and HH Sheikhha Latifa bint Mohammed bin Rashid Al Maktoum, Chairwoman of Dubai Culture and Arts Authority

raise money for charity.

"A new international literature season will feature a book fair and events to attract over two million visitors," HH Sheikh Mohammed bin Rashid Al Maktoum added.

VP issues decree on Dubai Appreciation Award for Community Service

HIS Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, issued Decree No. 17 of 2019 on the Board of Trustees of Dubai Appreciation Award for Community Service.

Under the decree, Lt General Dhahi Khalfan Tamim, Deputy Chief of Police and Public Security in Dubai, was delegated as the Chairman of the Board and Major General

Abdullah Khalifa Al Marri, Commander-in-Chief of Dubai Police, was assigned as the Vice Chairman.

Members of the Board also include Ahmed Mohammed bin Humaidan, Ahmed Hamdan bin Dalmouk, Dr Mansoor bin Abid Al Sheikh, Secretary General of the Dubai Appreciation Award for Community Service, and representatives from the General Secretariat of

the Executive Council of Dubai, Dubai Municipality, Dubai Health Authority, Dubai's Community Development Authority, and Dubai Knowledge and Human Development Authority.

The Board serves for a renewable term of three years.

The decree is effective from the date of its issuance and will be published in the Official Gazette.

Mohamed bin Zayed gives first Emirati astronaut a hero's welcome



HIS Highness Sheikh Mohamed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces, welcomed Hazzaa Al Mansoori, the UAE's first astronaut, as he returned to the country after a successful expedition to the International

Space Station (ISS).

Al Mansoori was accompanied by backup astronaut Sultan Al Neyadi on board a presidential flight to the UAE. They landed at the Presidential Terminal of Abu Dhabi International Airport.

HH Sheikh Mohamed bin Zayed Al Nahyan congratulated the first Emirati astronaut on his successful return, commending his strong will and high spirits across the entire stages of the historic mission. His Highness also hailed the sincere support of backup astronaut Sultan Al Neyadi from the onset of Al Mansoori's preparation until the actual expedition.

"You both are role models for the type of youth we are betting on in our steady march

on the path of progress. You're a model to be emulated by those Arab young people sincerely working for the advancement of their nations," HH Sheikh Mohamed bin Zayed Al Nahyan addressed the two astronauts.

"The UAE, since the era of the nation's founding father, the late Sheikh Zayed bin Sultan Al Nahyan, has always been considering its people as its true wealth. Our investment in our most cherished assets is the ideal investment for our present and future," His Highness added, noting that Al Mansoori and Al Neyadi, along with their colleagues at the National Space Programme, have laid down a solid basis for the nation's space ambition to reach Mars.

Abu Dhabi Crown Prince, Putin hold joint economic meeting

HIS Highness Sheikh Mohamed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces, and Russian President Vladimir Putin headed a meeting of officials responsible for the economic cooperation between the UAE and Russia.

During the Russian President's landmark state visit to the UAE, the two sides discussed economic and trade relations in the areas of energy, trade, investment, infrastructure, transport, tourism, food security, technology, as well as the rapid growth in their trade in recent years, which has made the UAE the leading trading partner of Russia in the Arabian Gulf region.

The meeting also discussed the strategic partnership agreement signed by the two

countries last year and its role in enhancing their economic relations.

Both sides also analysed their future economic and development cooperation, as well as the need to invest in many promising business opportunities and encourage future partnerships between government authorities and private sector companies from the two countries.

His Highness Sheikh Mohamed bin Zayed welcomed the attendees, especially the Russian business leaders who helped to strengthen the economic relations between the UAE and Russia, which have witnessed remarkable progress while stressing his keenness to expand these relations in all sectors to achieve



their desired goals.

For his part, Putin highlighted the cooperation between the two countries in the field of oil extraction, and welcomed the UAE's entry into the production of the "Urus" car, cooperation in the field of agriculture and food, and in the field of space exploration.

Mohamed bin Zayed receives delegates from top performing gov't centres

HIS Highness Sheikh Mohamed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces, received representatives from the UAE's top five best performing government service centres.

His Highness congratulated the representatives as well as their respective government centres for their dedication and commitment to elevate the level of performance and output delivered to the public.

During the reception held at Al Shati Palace in Abu Dhabi, His Highness urged them to

continue their efforts to provide distinguished services and utilise teamwork to achieve innovative solutions to further improve workplace practices.

The delegates, meanwhile, expressed their delight in meeting with His Highness Sheikh Mohamed bin Zayed Al Nahyan. They also relayed their pride in being recognised for their efforts.

It can be recalled that last September, the best performing government service centres were announced following a comprehensive evaluation of 600 centres within 29

government bodies across the Emirates.

The top five government services centres as follows:

1. The Fujairah Centre of the Federal Authority for Identity and Citizenship;
2. The Ajman Centre of the Ministry of Education;
3. The Ajman Traffic and Licensing Centre of the UAE Ministry of Interior;
4. Sharjah's Wasit Police Station of the UAE Ministry of Interior, and
5. The Ras Al Khaimah Centre of the Sheikh Zayed Housing Programme.

Saif bin Zayed participates in Meeting of GCC States' Interior Ministers



HIS Highness Lt General Sheikh Saif bin Zayed Al Nahyan, Deputy Prime Minister and Minister of the Interior, spearheaded the UAE delegation to the 36th Meeting of the GCC States' Interior Ministers which convened in Muscat, Oman.

The meeting discussed issues of common concern, with particular emphasis on the ongoing fight against terrorism. Another topic on the agenda was the inter-GCC security cooperation on ensuring cybersecurity.

Addressing the meeting, HH Sheikh Saif bin Zayed Al Nahyan requested to convene the next meeting in the UAE, thanking the Omani leadership as well as its people for the warm reception, well-organised event, and hospitality.

On the sidelines of the meeting, the UAE Interior Minister met with Rashid bin Abdullah Al Khalifa, Minister of Interior of Bahrain, to review prospects of accelerating security cooperation between the two countries.

The UAE delegation to the meeting included Ambassador to Oman Mohamed Sultan Saif Al Suwaidi, and a number of the Interior Ministry's high-ranking officials.

Upon arrival today in the Sultanate, HH Sheikh Saif bin Zayed Al Nahyan was welcomed by Omani Minister of Interior Sayyid Hamoud bin Faisal Al Busaidi and Dr Abdullah bin Rashid Al Zayani, GCC Secretary - General.

Interior Minister unveils world's 1st floating smart police station

HIS Highness Lt General Sheikh Saif bin Zayed Al Nahyan, Deputy Prime Minister and Minister of the Interior, inaugurated the world's first floating Smart Police Station (SPS), at GITEX 2019.

The floating SPS is slated to open in the sea off Dubai's World Islands next year to help sea users and World Island residents enjoy key services, including the reporting of crimes, traffic incidents, and community services.

Major General Abdullah Khalifa Al Marri, Commander-in-Chief of Dubai Police, highlighted the keenness of Dubai Police Headquarters to advance towards providing unparalleled services to the public.

"The SPS witnessed a huge success in providing police services without human intervention," said Al Marri. "The new station will help residents of the islands and sea users access Dubai Police services in an easy manner," he added.

The floating station is the fourth SPS station in Dubai after City Walk, following other drive thru and walk in versions located around the emirate.

It will operate 24 hours, seven days a week, and offer 27 key services with 33 fully automated



sub-services in six different languages.

Dubbed as the first floating police station, this adds to the many global achievements of the UAE police force.

Saif bin Zayed witnesses MoU signing between Mol and IACP

HIS Highness Lt General Sheikh Saif bin Zayed Al Nahyan, Deputy Prime Minister and Minister of the Interior, witnessed at the Ministry's headquarters the signing of a Memorandum of Understanding (MoU) between the Mol and the International Association of Chiefs of Police (IACP).

Under the MoU, an IACP regional office for the Middle East and North Africa region will open its doors in Abu Dhabi.

Lt General Saif Abdullah Al Sha'ar, Under-Secretary at the Ministry of Interior, and Paul Cell, President of the IACP, signed the MoU.

The opening of a regional office for the IACP will contribute to enhancing police and security cooperation in the region through training, exchange of information, activities and security and police research. It will also further strengthen the status of Abu Dhabi in hosting regional headquarters of international bodies.

The MoU signing was attended by Major General Khalifa Hareb Al Khailei, Head of the Institutional Development Council at the Ministry of Interior; Major General Staff Pilot Faris Khalaf Al Mazrouei, Commander-in-Chief of the Abu Dhabi

Police; Major General Saif Al Zari Al Shamsi, Commander-in-Chief of Sharjah Police; and Major General Sheikh Sultan bin Abdullah Al Nuaimi, Commander-in-Chief of Ajman Police; Major General Ali Abdullah bin Alwan Al Nuaimi, Commander-in-Chief of Ras Al Khaimah Police; Major General Sheikh Rashid bin Ahmed Al Mualla, Commander-in-Chief of Umm Al Quwain Police; Major General Dr Abdul Qudoos Abdul Razzaq Al Obaidli, Assistant Commander in Chief of Quality and Excellence at Dubai Police Headquarters; and number of officers of the Ministry.

Al Sha'far welcomes GCC delegates to security meet



LT General Saif Abdullah Al Sha'far, Undersecretary of the Ministry of Interior, attended the first preparatory meeting of the Joint Higher Committee for the tactical exercise of security services in the Gulf

Cooperation Council (GCC).

At the Ministry of Interior headquarters in Abu Dhabi, Al Sha'far welcomed the heads of delegations and conveyed to them the greetings of Lt General His

Highness Sheikh Saif bin Zayed Al Nahyan, Deputy Prime Minister and Minister of Interior, expressing his gratitude and appreciation of the efforts behind the preparations for the security exercise, which will be held for the second time. It will be implemented by the police and security departments of the GCC and will be hosted in 2020 by the UAE.

The meeting was chaired by Major General Abdullah Ali Al Ghaithi, Head of the UAE Ministry of Interior delegation. They reviewed the timeline of the exercise and the proposed scenarios, the formation of sub-working groups, and other matters related to the exercise.

The heads of GCC delegations as well as the representative of the General Secretariat of the Council for Security Affairs attended the meeting.

7 in 10 residents give positive feedback on 'Be Road Safe' campaign

IN a survey conducted by Abu Dhabi Police, more than 7 out of 10 residents (75 per cent) gave a positive feedback on the 'Be Road Safe' campaign. Most of them believed that the campaign has contributed effectively to enhancing traffic awareness and behaviour amongst road users.

To spread awareness amongst drivers and pedestrians, Abu Dhabi Police are continuing this campaign in five languages and in collaboration with traffic safety partners in the Capital.

The campaign focuses on instilling the culture of respecting the 'Stop' sign displayed by school buses when they pick up or drop off students. It aims to raise awareness on the dangers of reckless driving, slow traffic on public roads, traffic flow obstructions, jumping the red signal,

which may result in loss of life and property, amongst others.

The campaign also aims to raise awareness from safety hazards of illegally modified vehicles that disturb other road users and residents due to the illegal use of altered horns to amplify the sound of the vehicle. Abu Dhabi Police said these violations can also tarnish the reputation of the country as one of the safest countries in the world.

As a step up of the 'Be Road Safe' campaign, Abu Dhabi Police show awareness videos of actual traffic accidents through social media channels, screens at commercial centres and cinemas. The police



force also held a special session on 'Be Road Safe' on several radio programmes in Dubai, Sharjah, Ras Al Khaimah, and Fujairah. Awareness messages were disseminated in English and Hindi on Indian radio stations and TV channels.

Abu Dhabi Police are also continuing the campaign 'Promoting the Safe Use of Bicycles' in order to support the efforts to preserve the environment, health and public safety, and reduce carbon emissions.

The Directorate of Traffic and Patrols distributed helmets, phosphorescent jackets, and awareness leaflets for the safety requirements for cyclists.

The directorate summoned a group of cyclists after noticing their lack of commitment to riding safely, providing them with a set of instructions and advice, and urged them to comply with safety requirements.



Dhahi Khalfan meets Swedish deputy minister of justice

LT General Dhahi Khalfan Tamim, Deputy Chief of Police and Public Security in Dubai, met with Elizabeth Bactiman, Deputy Minister of Justice of Sweden, and several senior Swedish officials.

During the meeting, they discussed ways of cooperation and exchange of knowledge in the field of traffic safety between Dubai Police and the Kingdom of Sweden.

The meeting was attended by Major General Expert Eng Mohammed Saif Al Zafeen, Assistant Commander-in-Chief of Dubai Police for Operations Affairs; Brigadier Ahmed Al Maqoudi, Director



of the Office of the Deputy Chief of Police and Public Security in Dubai; Brigadier Waleed Al Mannai, Director

General of Development and Innovation Department at the Office; and Sultan Al Mazroui.

Al Mualla assesses action plans for rainy season

MAJOR General Sheikh Rashid bin Ahmed Al Mualla, Commander-in-Chief of Umm Al Quwain Police and Head of the Local Emergency, Crisis and Disaster Management Team, chaired a team meeting in preparation for the rainy season 2019-2020.

They discussed the preparedness of

the departments in Umm Al Quwain, and the possibilities of coordination between the departments to improve the process of response and recovery in the event of any danger during this season.

The meeting was attended by the Director of the Umm Al Quwain Centre

of the National Authority for Emergency, Crisis and Disaster Management (Chairman of the Executive Committee), directors of federal and local government departments, members of the team, a number of police operations officers, and representatives of charities supporting the main bodies.

Al Kaabi announces road infrastructure in Fujairah

MAJOR General Mohammed Ahmed bin Ghanim Al Kaabi, Commander-in-Chief of Fujairah Police, has announced the allocation of adequate routes for pedestrian crossings in all roads of Fujairah, especially in Hamad bin Abdullah and Mohammed bin Hamad Al Sharqi roads (formerly Fujairah Airport).

These areas continue to witness major development, in coordination with the municipal authorities and the Department of Public Works and Agriculture, and the Ministry of Infrastructure Development.

Al Kaabi added that the roads would include the construction of bridges,

tunnels, and transit lines. Some lanes would be added to a number of roads in Fujairah to ensure everyone's safety. He pointed out that the main roads in Fujairah were undergoing major development and restructuring, enhancing public safety standards further.

Al Marri chairs meeting on Community Service Council

MEMBERS of the Dubai Police Advisory Council for Community Service recommended focusing on social networking sites to fight the negative fallout of such networks.

The Advisory Council also plans to form a committee that would be tasked to find solutions to protect children online.

This plan came as part of the Council's third meeting which was called for by Major General Abdullah Khalifa Al Marri, Commander-in-Chief of Dubai Police and Chairman of the Dubai Police Advisory Council for Community Services.

The Council stressed the importance of enhancing cooperation between Dubai

Police and the public through community initiatives, thus improving security and safety and guaranteeing people's happiness. The meeting also reviewed the previous decisions made and implemented by the Council. It also discussed issues of customs and traditions as well as their impact on the identity of society in the long run.

Retired Major General Nasser Abdul Razzaq Al Razouki urged members of the Council to come up with distinctive ideas concerning security issues in the community.

Lt Colonel Aref Ali Mohammed, Deputy Director of Crime Reduction Department at Dubai Police, pointed out that the vision of

the Community Police is to enhance exchange of knowledge and expertise to find effective solutions to various challenges.

The objective set during the meeting was to launch national initiatives and strategies that would shape current and future opportunities and community security in Dubai by turning innovative and successful ideas into reality. The officers recommended the preparation of a questionnaire to find out the level of public satisfaction in terms of the initiatives of Dubai Police.

Lt Colonel Dr Abdulrahman Sharaf Al Maamari, Deputy Director of Hemaya International Centre at Dubai Police, explained the results of the Centre's summer activities. The Board recommended that the Council members be invited to attend the graduation ceremony of the military competition at the Dubai Police Academy, and share all awareness videos about the Centre with the members of the Council.

Lt Colonel Dr Mubarak bin Nawas Al Ketbi, Director of the Tourism Police Department at Dubai Police, highlighted that the department aims to provide a safe tourist environment.



Al Shamsi attends honouring of 'Security Culture' lecturers

MAJOR General Saif Al Zari Al Shamsi, Commander-in-Chief of Sharjah Police and Chairman of the Higher Committee of the Security Culture Programme, attended the ceremony for the honouring of lecturers taking part in the programme 'Security Culture' and programme partners.

The ceremony was organised by the Community Police Department at the Police

Academy Theatre, in the presence of Brigadier Abdullah Mubarak bin Amer Deputy Commander-in-Chief of Sharjah Police; Dr Saeed Musabah Al Kaabi, Chairman of the Sharjah Education Council; Mohammed Ahmed Al Hosani, Secretary General of the Council; Abdulrahman Ahmed Al Mualla, Director of the Scope of School Operations; and several police officials and

representatives of the programme partners.

Al Shamsi conveyed the Sharjah Police General Command's appreciation for the care and support provided by His Highness Sheikh Dr Sultan bin Muhammad Al Qasimi, Member of the Supreme Council and Ruler of Sharjah, for the 'Security Culture' programme for students.

Al Nuaimi intensifies communication amongst employees

MAJOR General Sheikh Sultan bin Abdullah Al Nuaimi, Commander-in-Chief of Ajman Police, hosted a number of employees of the Comprehensive Police Stations Department, the Crime Scene Section, Traffic and Patrols Department, and the Licensing of Vehicles and Drivers Department, in order to enhance effective communication amongst employees, ensuring greater job satisfaction.

Al Nuaimi met with the associates at the

Police Training Institute and spoke with them as brothers and colleagues about his career and the challenges he faced. He stressed the important role of positivity and innovation in the success, excellence, and enhancement of the law enforcement institution.

Praising the continuous efforts of the associates in supporting the leadership of Ajman Police, Al Nuaimi underscored their important role in the accomplishments received by the police force at local, regional, and international levels.

He gave the participants the opportunity to talk, listened to their proposals, ordered necessary actions for immediate implementation, and then gave a presentation on the development and achievements of Ajman Police.

At the end of the meeting, Al Nuaimi honoured the participants in the initiative, calling for continuous communication with him, and the use of the system 'My Leader, My Example' to facilitate direct communication.



189 RAK Police members graduate in 5 training courses

COLONEL Mohammed Al Zaabi, Acting Director of Ras Al Khaimah Police Training Institute, in the presence of Lieutenant Colonel Ibrahim bin Shokr, Head of the Training Department, and a number of officers at the Institute,

attended the graduation ceremony of five training courses, which had 189 participants in all.

The training course topics included are: talents and talent management; future anticipation skills; spreading the tolerance

values; occupational health and safety; police application, loyalty, and job belonging. These courses came from the methodology of identifying and controlling the training needs of employees.

88th

This year's edition of the 88th INTERPOL General Assembly Meeting held in Santiago, Chile. It was participated in by the UAE Ministry of Interior (Mol), headed by Major General Dr Ahmed Nasser Al Raisi, Inspector General of the Ministry of Interior.

34th

This year's edition of the Coordination Meeting of Arab Council of Ministers' Agencies held in Tunisia. This was attended by a delegation from the Ministry of Interior. On top of the agenda was the discussion of the proposals submitted by the Councils' agencies as well as ways to promote collaboration amongst the member countries.

20,750

The number of reports of suspected cases of child abuse and people seeking consultation about child protection received by the Ministry of Interior's Hemayati app since 2018. The number also included enquiries about the services provided by the Child Protection Centre.

116111

The hotline number launched by the Ministry of Interior in 2015 to provide a safety net for the protection of children in the country and to allow community members to report suspected cases of child abuse or neglect.

9

The number of medals brought home by police personnel from various headquarters/departments of the Ministry of Interior in the recently concluded 3rd USIP World Police Games in Milan-Lombardia, Italy. The nine medals included two gold, four silver, and three bronze in various sports.

BE IN THE LOOP

Mol takes part in INTERPOL's Assembly



A delegation from the Ministry of Interior (Mol) headed by Major General Dr Ahmed Nasser Al Raisi, Inspector General of the Ministry of Interior, took part in the 88th INTERPOL General Assembly Meeting held in Santiago, Chile, where 165 representatives attended.

Mol's air patrols feted for excellent performance



The Air Wing Department at the Directorate General of Security Support at the Ministry of Interior organised a ceremony to celebrate the International Day of Air Traffic Controller. The event witnessed the honouring of distinguished staff from the Air Control Branch of the Air Operations Section in recognition of their excellent performance in ensuring the air navigation safety of flight crews.

Mol reviews latest security practices of NYPD



A delegation from the recruits of the Senior Leadership Programme for Operation Officers at the Ministry of Interior reviewed the latest security experiments, initiatives, and practices of the New York Police Department (NYPD). The delegation also visited the Central Operations Department in New York and was briefed on the modern techniques in monitoring safety targets.

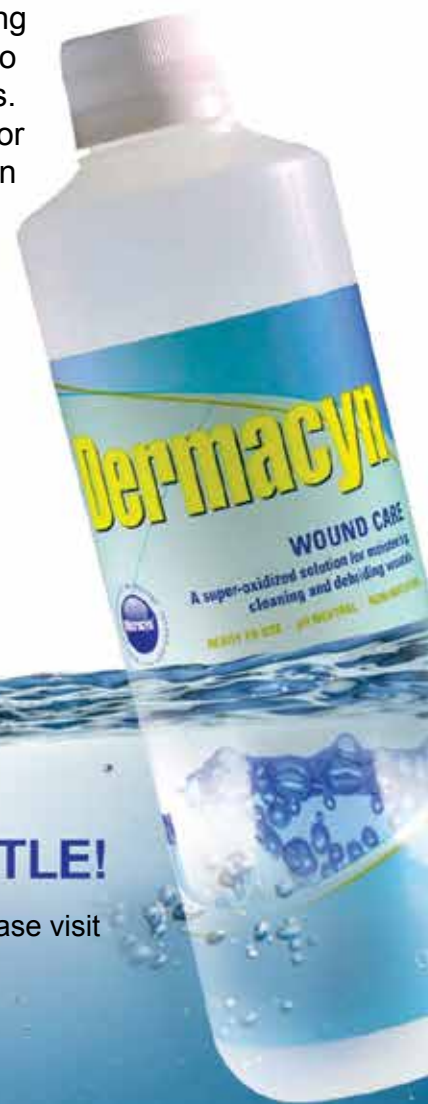
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UAE NEWS BULLETIN

POLICE NEWS, PEOPLE, NUMBERS AND EVENTS



ABU DHABI

Courts in Abu Dhabi record at least 200 cases of food safety violations every year, including sale of expired and unlicensed food products. Officials warned that individuals, outlets, restaurants, and firms could face a fine of Dhs5,000-200,000, for violating food safety standards. The penalty might even include a jail term of 1-3 months.



AJMAN

In a short span of 18 months, Ajman Police e-patrols spotted and shut down 16 websites promoting drugs in the UAE. The vigilant patrols caught up with the drug dealers selling narcotics through these flagged down websites, hiding their trade by using nicknames for their illegal products.



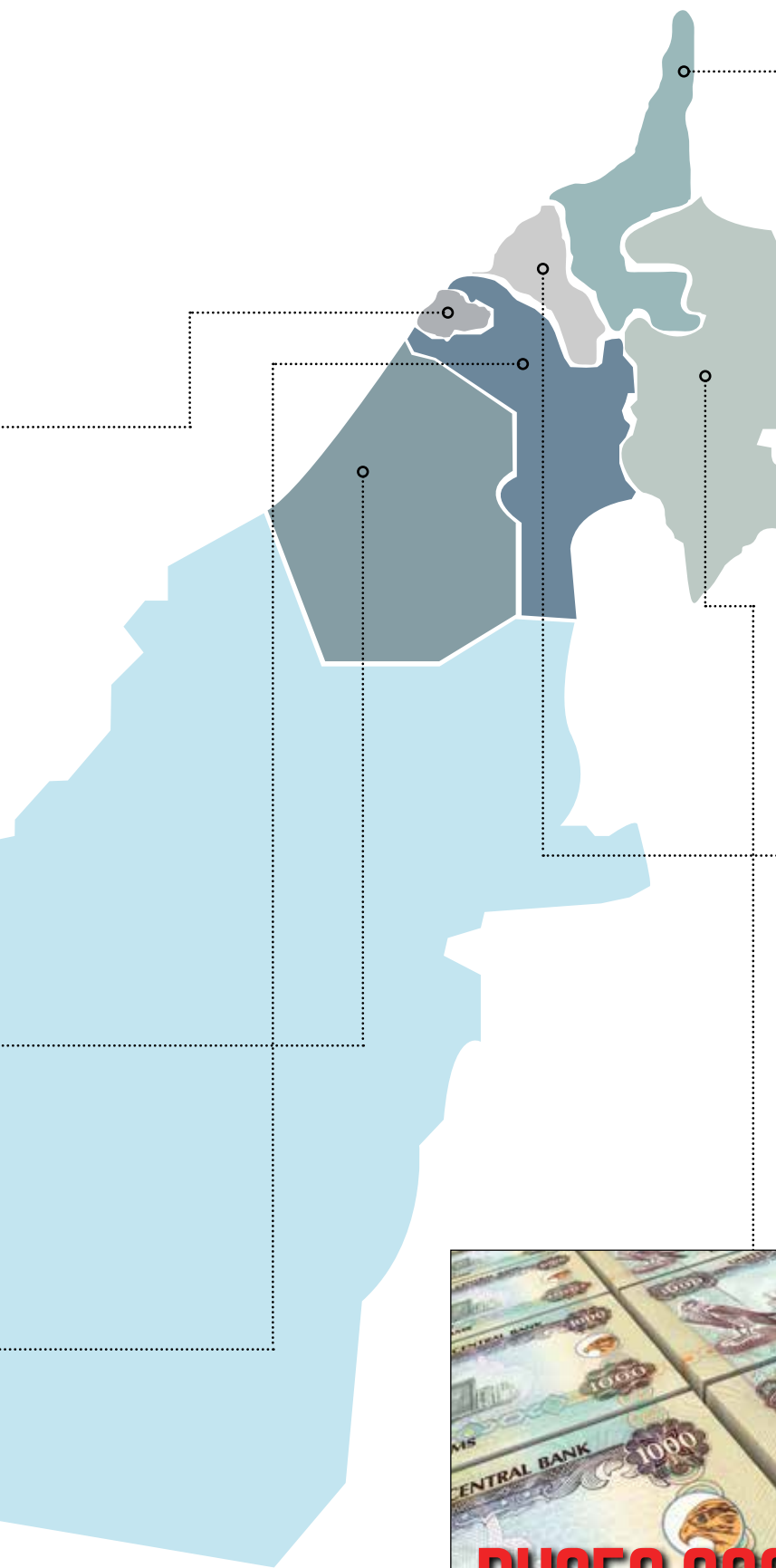
DUBAI

In a crackdown on the public tendency to ignore emergency vehicles' right of way, Dubai Police issued 121 fines to motorists, as per figures released in October. The penalty for this offence has been raised to a Dhs3,000 fine, six black points, and 30-day vehicle confiscation, an increase from a Dhs1,000 fine. The police also launched a campaign called 'Give Way, Give Hope' to make people aware that every second counts in saving lives.



SHARJAH

A young Asian boy was airlifted to the hospital after being seriously injured in a road accident. Seven others also sustained injuries in the same road mishap that was caused by reckless overtaking. Traffic patrols, ambulances, paramedics, and rescue teams reached the accident site within three minutes.



Two men were ordered by a court to pay a fine of Dhs150,000 for 'faking' a car accident. They did this to get the car repaired and claim the cost from the car insurer. The first suspect had reported a 'crash' to the police, and he also called a friend to back up his story. He was issued a police report. But the insurance company checked the surveillance footage from the so-called accident site. It discovered that the damage to the car was deliberately made by the claimant. Both of them were charged, tried, and fined.



Police busted a gang of four for reporting 20 fake accidents across the UAE to collect insurance payout. The gang's modus operandi was discovered when Umm Al Quwain Police were alerted about reports of several road accidents involving the same vehicles and the same drivers within a short period of time. They'd keep the vehicles partially damaged to make it look real – and they'd file claims from different insurance companies.



FUJAIRAH

An Arab woman sued her son for allegedly hurling insults and swearing at her. She petitioned to the court to slap him with a fine of Dhs50,000 and a jail term. Her son denied the charges. He said that his mother got furious when he sided with his father in a family court case.

Some photos are for illustration purposes only

EVERYDAY HEROES



THEY ARE COURAGEOUS, COMPASSIONATE, AND NEVER
HESITATE TO EXTEND A HELPING HAND – **999** MEETS THE PEOPLE
WHO MAKE THE UAE A NATION WITH A BIG HEART

BY HEBA HASHEM



“Every citizen, resident, and tourist alike, feel safe in the UAE due to the strong pillar of community-police partnership not only in reporting crimes but also in recognising random acts of kindness



FIRST LIEUTENANT KHALID AL HAMMADI

Department of Social Support in
Abu Dhabi Police

onion came up and Greiner regained his consciousness. Soon after, paramedics arrived and treated him at the scene.

SAVING LIVES

Ashcroft had saved a life with his presence of mind; if he hadn't been

The UAE has earned an international reputation for its tolerance and diversity, being home to more than 200 nationalities who live and work in perfect harmony. While it might be young compared to its contemporaries, the country has a big heart, with numerous men and women ready to go out of their way to show care, compassion, and kindness to others.

First Lieutenant Khalid Al Hammadi from the Department of Social Support in Abu Dhabi Police told **999** that the Ministry of Interior as well as the General Command of Abu Dhabi Police and other police general headquarters in the UAE are keen to honour members of the community who cooperate with police officers within the framework of strengthening the police and community partnership. This, he said, is one of the reasons why the public safety index of the UAE is very high and the country's global ranking in this regard speaks volumes. "With the support of the wise leadership and the directives of HH Lt General Sheikh Saif bin Zayed Al Nahyan, Deputy Prime Minister and Minister of Interior, every citizen, resident, and tourist alike, feel safe in the UAE due to the strong pillar of community-police partnership not only in reporting crimes but also in recognising random acts of kindness."

A good deed, however, does not expect any reward as it is rather our moral obligation. Al Hammadi said, "Whether it's a random act of kindness or paying it forward, it yields a manifold effect because it invites other people to follow suit. It

becomes an eye-opener that warms the heart, too. This is why police headquarters usually give a certificate of appreciation and commemorative shields to inspire the community to spread the values of altruism, care for others, and honesty."

Take the good example shown by John Ashcroft, a Dubai resident who didn't hesitate to help a fellow expat in an emergency. The British expat was in Meadows Town Centre in February 2019 when he saw a man struggling to breathe.

Peter Greiner, a South African who was visiting Dubai with his wife, was choking on a piece of onion in his burger that hadn't been properly diced.

Ashcroft stepped in to help the man. He first tried the Heimlich manoeuvre, which involves abdominal thrusts from behind with both arms clasped around the choker's stomach, pulling tightly to force the obstruction up. This didn't work. Greiner stopped breathing and collapsed on the floor, prompting Ashcroft to perform cardiopulmonary resuscitation (CPR). Eventually, the



John Ashcroft, a Dubai resident who saved the life of a man choking on a piece of onion in his burger that hadn't been properly diced

“ This gesture of recognising acts of kindness and bravery of residents comes as part of the police’s efforts to encourage all segments of society to support us in ensuring safety



MAJOR GENERAL SHEIKH SULTAN BIN ABDULLAH AL NUAIMI

Commander-in-Chief of Ajman Police

there, Greiner said he might not have been alive today. Yet, the 71-year-old Dubai resident believes it was a matter of coincidence. “I’m certainly not a hero, I just happened to be in that shop the moment this happened. I think I was lucky. First,

I’ve had some training. Second, I’m involved in lots of sports where people can get hurt and I’m aware of those things. Third, I’m a big guy; there was nobody in that shop who was strong enough to be able to help Peter,” he said.

Like Ashcroft, Ajman resident Saeed Habbaz also didn’t think twice before leaping in to save a life. The Moroccan expat was recently swimming at a beach in the northern emirate when he saw three men being dragged away by a strong current and screaming for help. Using his swimming skills, Habbaz rushed to the drowning men and dragged them out of the water. This heroic act was recognised by Lieutenant Colonel Ali Al Shamsi, Director of Ajman Police Station.

Ajman witnessed act of bravery early in 2019 when a man saved a child who was dangling from a seventh-floor window. Mohammad Anes Al Araabi, a Syrian national, spotted the three-year old boy climbing outside the window in the opposite building. He immediately identified the apartment’s location, rushed there, and banged on the door, which was opened by an alarmed housemaid. Like a scene from a movie, the Syrian man rushed into the apartment, got to the window, and swooped up the toddler, saving him from a fatal fall. Then he contacted the police to report the incident.

According to Major General Sheikh Sultan bin Abdullah Al Nuaimi, Commander-in-Chief of Ajman Police, the child’s parents were not present at the time of the incident and had left their boy and his siblings under the housemaid’s



Major-General Sheikh Sultan bin Abdullah Al Nuaimi, Commander-in-Chief of Ajman Police, honouring Mohammad Anes Al Araabi, a Syrian national, who rushed to stop a three-year-old boy from falling from a high-rise building

care. The children were driven to a social support centre until the parents were notified about the incident, and Al Araabi was honoured with a certificate of appreciation by the police for courageously saving the boy’s life.

Major General Al Nuaimi underscored, “This gesture of recognising acts of kindness and bravery of residents comes as part of the police’s efforts to encourage all segments of society to support us in ensuring safety.”

More recently, a month before the global community observed World Mental Health Day on October 10 – this year, the day aimed to raise awareness of the scale of suicide around the world – a Canadian expat spotted a woman trying to jump off a bridge in Abu Dhabi and saved her from ending her life.

The Canadian spoke to the woman, persuaded her to calm down. She then helped her to climb down from the bridge by holding her. Abu Dhabi Police honoured



Lt Colonel Ali Al Shamsi, Director of Ajman Police Station, recognising Ajman resident Saeed Habbaz for saving three men from drowning

“ Like a scene from a movie, the Syrian man rushed into the apartment, got to the window, and swooped up the toddler, saving him from a fatal fall. Then he contacted the police to report the incident

66 Abu Dhabi Police are keen to honour the community's positive contribution to maintaining safety and security in all segments of society as well as



encouraging others to take care of themselves

BRIGADIER MOHAMMAD SUHAIL AL RASHDI

Director of Criminal Security Sector at Abu Dhabi Police

the Canadian for her swift action, which succeeded in saving the woman's life.

Brigadier Mohammad Suhail Al Rashdi, Director of Criminal Security Sector at Abu Dhabi Police, underscored: "We appreciate the role of the Canadian woman in saving the life of the woman who tried to jump off the bridge and for quickly informing the police about the incident. Abu Dhabi Police are keen to honour the community's positive contribution to maintaining safety and security in all segments of society as well as encouraging others to take care of themselves.

IN GOOD HANDS

Instances of valuables being returned to



Abu Dhabi Police honour the Canadian expat who saved the life of a woman trying to jump off a bridge

their owners are also common in the UAE. One that attracted a lot of attention across the globe involved a Filipina worker who returned Dhs195,000 in cash, two cheques for Dhs500,000 and Dhs6,250, a cheque book and documents, all of that forgotten by a man at her place of work in late August 2019.

Mae Anne Olmidillo, 27, branch manager at a coffee shop in Dubai Mall, helped returned the bag to the owner. Little did she know that she would receive a surprise visit from police officers, who honoured her in the presence of her workmates in September 2019. "When I found the money, I never hesitated to return it to the real owner. I know it is not mine and I believe God will give me something in return," said Olmidillo, who has been in Dubai for six years now. She said that

the owner, a Russian broker, was not aware his bag was missing when Dubai Police first called him. When he realised that he had indeed lost it, he went to the police station to collect the bag.

"This recognition is a great honour for my colleagues and for me as a Filipino. It is my personal conviction to return any lost item regardless of its monetary value. I believe in the golden rule: 'Do unto others what you want others to do unto you'. So, when I saw the contents of the bag, I did not think twice about returning the bag to the owner," said the young employee.

Colonel Rashid Mohammad Al Shehi, Deputy Director of Bur Dubai police station, said that recognising honest residents and workers encouraged positive behaviour in society and co-operation with the police. "I call on residents and citizens to follow Mae Anne's example if they ever find themselves in a similar situation. She is a true example of honesty," he said.



Dubai Police fete Mae Anne Olmidillo, a Filipina barista at a coffee shop, for returning a bag containing Dhs195,000 cash

66 It is my personal conviction to return any lost item regardless of its monetary value. I believe in the golden rule: 'Do unto others what you want others to do unto you'



Dubai Police awarding Shafafet Khan Abdurashid, a Pakistani taxi driver, a certificate of appreciation for handing back \$21,000 (Dhs77,070) in cash that was forgotten in his car by a Danish family

A similar incident in September saw a Pakistani taxi driver honoured by Dubai Police for his honesty in handing back \$21,000 (Dhs77,070) in cash, passports and a mobile phone that were forgotten in his car by a Danish family. In recognition of his honesty and good behaviour, the police awarded Shafafet Khan Abdurashid a certificate of appreciation and a symbolic gift.

999 Magazine sees a ripple effect of this type of recognition and how it's encouraging more people to cooperate with the police. For instance, a Pakistani man helped Sharjah Police arrest a wanted person earlier this year. Muzaffar Hussain Nathar had informed the authorities and followed a wanted robber until police arrived at the scene and arrested him. In response, Brigadier Abdullah Mubarak bin Amir, Deputy General Commander of Sharjah Police honoured the man and

said that such behaviour represented the positive role society members could play in catching criminals.

NO EXPECTATIONS

What's most remarkable about such acts of bravery and kindness is that they're often made without any expectation of a reward or material gain. Some even prefer to remain anonymous.

One such case saw the bailout of a Filipina mum who was facing growing medical

bills for her premature daughter. But to Loui May Taboclaon's surprise, her Dhs60,000 private hospital bill was settled by a generous donor – it was a local company that wished to stay anonymous. Her daughter was born 28 weeks premature, weighing just 700gm. While insurance covered the first month of the baby's stay in the private hospital at a cost of Dhs180,000, once the coverage was through, she was left with a bill of Dhs60,000.

Earning just Dhs5,000 a month, the manicurist knew she wouldn't be able to clear the payment, and her husband, who works for an event management firm, hadn't had any events to cover for six months. "We are so grateful to these people for helping us. They paid everything and this helps us so much. At first, we thought we were going to be in trouble for not being able to pay, but this answered our prayers, so I thank them so much," said Taboclaon in a media interview.



A local company that wished to stay anonymous shouldered the Dhs60,000 hospital expenses of a premature baby in Dubai (Photo supplied/Gulf News)

WHAT THE LAW SAYS

Helping someone in a medical emergency is a natural reflex that most people instinctively have. However, too often, bystanders are afraid to step in and lend a helping hand, for fear that they may be held accountable should something go wrong.

That's why countries like the United States, United Kingdom, and Germany have introduced so-called Good Samaritan laws, aimed at boosting survival rates by allowing the public to intervene in life-threatening situations. The UAE is about to pass a similar Good Samaritan law after the country's Ministry of Health approved the Rescuer Protection Law. This will make the UAE the first Arab nation to pass such a law.

Once it comes into effect, the law will protect people coming to the aid of others from legal repercussions, allowing bystanders to help those in an emergency without being held responsible.

Developed from the international Good Samaritan Law and tailored for the UAE, it states that "no criminal or civil appeal shall be made to any person who has provided, in good faith, assistance or relief to another person who is in an emergency situation".

Moreover, the draft law proposes that residents undergo training to save lives in emergency situations. A YouGov survey, done in March 2019, found that only 24 per cent of respondents were trained in giving CPR and 33 per cent were skilled in performing basic first-aid treatments. However, nearly 86 per cent said that they would voluntarily undergo medical training after the law comes into effect, so that they'd become better equipped to offer assistance in an emergency situation.

With the upcoming Rescuer Protection Law in the UAE, we can expect to see even more everyday heroes amongst us.



MISSION ACCOMPLISHED: UAE IN SPACE

THE MISSION CALLED EXPEDITION 61, WHICH TOOK EMIRATI ASTRONAUT HAZZAA AL MANSOORI TO THE INTERNATIONAL SPACE STATION, HAS MANY FIRSTS FOR THIS COUNTRY AND FOR THE ARAB WORLD. **999** TAKES YOU ON A JOURNEY TO WHERE IT ALL STARTED – FROM THE DREAM OF THE LATE SHEIKH ZAYED

BY ROOPA RAVEENDRAN-MENON



The historic call that took place at the MBRSC Control Room between His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, and the first Emirati astronaut in space live from the ISS

“We are proud of your achievement and the knowledge and expertise we have gained through your trip. We have broadened the horizons of our future generations in space



HH SHEIKH MOHAMMED BIN RASHID AL MAKTOUM

Vice President and Prime Minister of the UAE and Ruler of Dubai

“Congratulations to the people of the UAE for this historic achievement. Zayed’s sons will fulfil our ambition to reach Mars



HH SHEIKH MOHAMED BIN ZAYED AL NAHYAN

Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces

“Welcome back Hazzaa Al Mansoori after your journey as the first Arab Astronaut to the International Space Station. We are proud of your achievement and the knowledge and expertise we have gained through your trip. We have broadened the horizons of our future generations in space.”

His Highness Sheikh Mohamed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces, was also full of praise for the Emirati space-flyer: “Praise be to God for Hazzaa Al Mansoori’s safe return to Earth after visiting the International Space Station. Congratulations to the people of the UAE for this historic achievement. Zayed’s sons will fulfil our ambition to reach Mars.”

As for Al Mansoori himself, he said: “This mission is only the beginning for the UAE and the Arab World.” He affirmed that the UAE people are “blessed to have leaders who have given them all the tools for success”.

During a live Q&A session while he was aboard ISS, the Emirati astronaut said, “To the youth of the UAE and the Arab region, I say, hope exists, and we at the United Arab Emirates have opportunities in all fields, but we must work with dedication and depend on Allah, while having a strong willpower. This is what we learn from our leaders; that there is no impossible, and that you will achieve your goals if you work hard enough.”

The date of September 25, 2019 will be forever etched in the history books and public memory of the UAE. This day marked the momentous journey of the first Emirati astronaut Hazzaa Al Mansoori to the International Space Station (ISS).

At 5:57 pm UAE time, when the Soyuz-MS 15 spacecraft, carrying Al Mansoori and the rest of the crew, blasted off into space from the Baikonur Cosmodrome in Kazakhstan, it gave birth to a new era of science for the UAE and ignited the hopes

and aspirations of a whole generation of Emiratis. Following his eight-day sojourn at ISS, Al Mansoori touched down at 3:59 pm on October 3, 2019 in Kazakhstan, returning as a national hero.

His historic journey was celebrated by the country and the whole world, with tributes pouring in from the country’s leadership.

His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, was amongst the first to send his congratulations. His Highness tweeted:

SHEIKH ZAYED'S DREAM

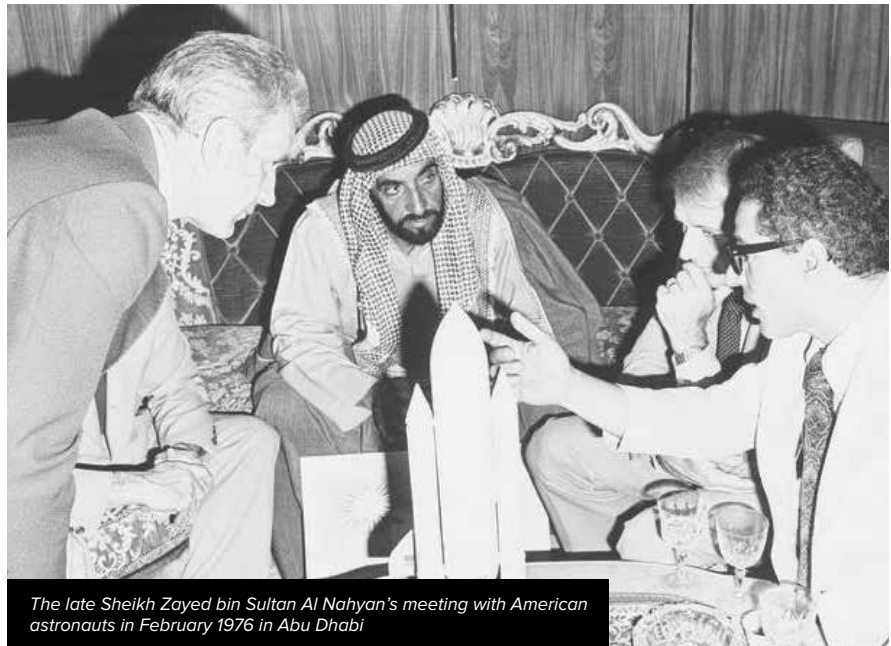
The UAE's journey to this landmark space-flight event began in the 1970s when the founding father, the late Sheikh Zayed bin Sultan Al Nahyan, held several meetings on space science, including an unforgettable gathering in Abu Dhabi in February 1976 with three American astronauts. Back then, he had envisioned a future where the UAE would become a key player in space exploration.

Since then, the UAE has been preparing for this big leap. With the founding of the Mohammed bin Rashid Space Centre (MBRSC) in 2006, those dreams started nearing their fruition. Developed in line with the vision of HH Sheikh Mohammed bin Rashid Al Maktoum, the Centre is committed to building a sustainable, highly progressive space science and technology sector, contributing to the establishment of a knowledge-based economy. Its aim is to launch and implement advanced space projects and train a generation of Emirati scientists who will lead the country towards a brighter future.

With the successful completion of Al Mansoori's mission, he became the 562nd person to have visited space, while the UAE became the 38th country to send someone to space.

RUN-UP TO THE MISSION

In December 2017, HH Sheikh Mohammed bin Rashid Al Maktoum launched the UAE Astronaut Programme to discover the country's first ever space traveller. The UAE Astronaut Programme



The late Sheikh Zayed bin Sultan Al Nahyan's meeting with American astronauts in February 1976 in Abu Dhabi

is funded by the ICT fund of the country's Telecommunications Regulatory Authority. Inaugurated in 2007, the fund is the first of its kind in the region and its main aim is to aid research and development within the ICT (information and communications technology) sector and to help it evolve into a nationally significant industry with a strong position globally.

The response to the programme was overwhelming. More than 4,000 Emirati men and women from all walks of life had applied to this pioneering programme. Finally, after a succession of advanced medical and psychological tests, as well as personal interviews conducted according to the highest international standards, the hopefuls were whittled



Undergoing medical checkups and experiments in Moscow to carry on his scientific mission

down to Hazzaa Al Mansoori, a 35-year-old former military pilot, and Sultan Al Neyadi, a 38-year-old doctor of information technology and former engineer for the UAE Armed Forces.

Yousuf Hamad Al Shaibani, Director General of MBRSC, emphasised that this announcement was one of the big steps towards realising the objectives of the UAE Astronaut Programme. One of the main objectives was to train and prepare a team of UAE nationals to be sent to space for scientific missions. Al Shaibani had also highlighted that Al Mansoori and Al Neyadi were role models for the Emirati youth; he believed that they would be able to inspire younger generations to play a key role in enhancing the UAE's profile in space science and research.



The Soyuz FG, carrying the Soyuz MS-15 spacecraft, emblazoned with UAE flag and MBRSC logo

SPACE-FLIGHT TRAINING

Both Al Mansoori and Al Neyadi spent a year undergoing intensive training. One of the key requirements of their training was to learn Russian in order to help them communicate with the ground control and fellow crew members. The Soyuz spacecraft is Russian made and the Baikonur Cosmodrome is run by Russia for space flights.

They regularly visited the gym to maintain their peak fitness levels. The pair spent time in a human centrifuge, a huge spinning arm that spins at a speed of 96 kmph to mimic the g-force of rocket lift-off, which is thrice that of the gravity on Earth. This simulation trained them to endure the severities of space flight, when extreme g-force circulates blood away from the brain and causes it to pool in the lower part of the body, causing loss of consciousness. Specific breathing techniques were learned to deal with the stress triggered by the 3X g-force.

They were taught how to deal with ISS evacuations and other emergencies. A survival training exercise that left them to fend for themselves in freezing temperatures in the wilderness was conducted. This exercise was to prepare them for survival in a hostile environment, in the event of a crash landing.

Besides learning how to build different kinds of shelters, the pair also completed around 30 hours of theoretical and practical



Intensive training before the lift off

training under the direction of specialists from the European Space Agency at the European Astronaut Centre in Cologne,

Germany. They learned to manoeuvre the equipment and systems used in the European unit, named Columbus, at the

ISS, as well as to use the life support system that is critical to the survival of the astronauts at ISS, and how to communicate with the ground station.

LAUNCH AND LANDING SUIT

Al Mansoori wore a made-to-order Sokol space suit and sat in a customised Soyuz seat liner during launch and on his return to Earth.

All astronauts who fly on the Soyuz spacecraft are required to wear Sokol suits. They are worn to safeguard astronauts from potentially harmful conditions in space. In the event of an emergency, the suit pressure is usually preserved.



Made-to-order Sokol space suit

IN PHOTOS:

Shortly after Hazzaa Al Mansoori arrived on Earth after eight days on the International Space Station



WHO IS HAZZAA AL MANSOORI?

Right from his very young days, Al Mansoori was fascinated by space. "I started to look at the stars since childhood," he recalled nostalgically. However, with no Emirati space programme then, he decided to train to become a pilot.

Al Mansoori graduated from the Khalifa bin Zayed Air College, which qualified him to become an F-16B60 instructor pilot and a demo pilot, and a SOLO Demonstration pilot in the F-16B60. He was one of the first Arab and Emirati pilot to participate in Dubai Air Show's festivities for the 50th anniversary of UAE Armed Forces. He presented a demonstration on the UAE National Day 2017 and the 50th anniversary of UAE Air Force 2018.



Hazzaa Al Mansoori sends his selfie from space

EXPERIMENTS ABOARD ISS

During his eight-day stint at the International Space Station, Hazzaa Al Mansoori conducted 16 scientific experiments.

Six of these were conducted in microgravity aboard ISS. The results will be compared with those conducted on Earth.

The reaction of the human body to space was also studied and scrutinised before and after the mission.

Also, Al Mansoori tested the effect of microgravity on the growth of cells, micro-organisms and genes, seed germination rates, fungi, amongst others.

He inspected and observed time perception in microgravity using VR glasses.

Additionally, Al Mansoori presented a tour of the station in Arabic. He documented the daily lives of astronauts at the station.

He started his first day by praying, then communicating with the team at the ground station in Moscow, and informing them of his daily schedule. Al Mansoori also recorded a short film about the ISS and his activities aboard, and then recorded



his diary for 15 minutes. Then he began the experiments involving schools in the UAE as part of MBRSC's Science in Space initiative.

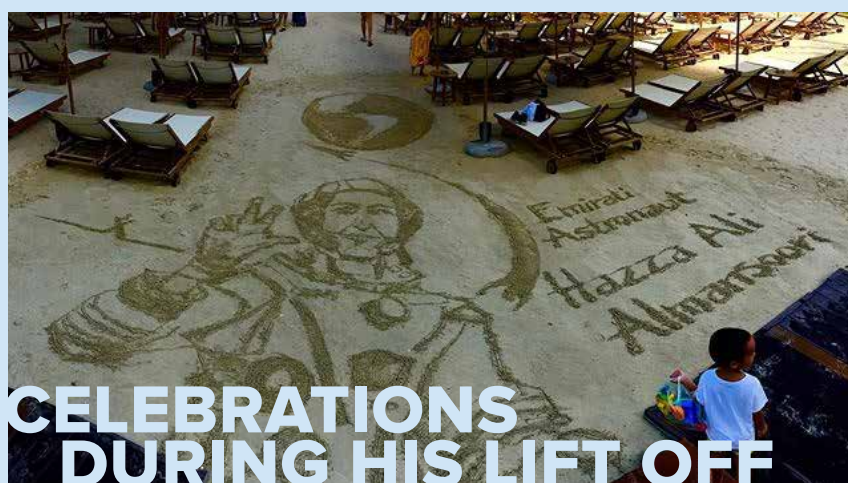
In a video conference on his day 6 at the space station, Al Mansoori spoke with school students and the media. The students asked Al Mansoori if there is Internet onboard the station what his favourite scientific experiment was, the distance from Earth to the ISS, and if they switch off the lights at the ISS when they sleep.

Al Mansoori said that there was Internet onboard the station that they used while communicating with the ground station. As

for his favourite experiment, he said it was using Virtual Reality in studying time perception.

The ISS is about 400 kilometres from Earth, Al Mansoori explained to the students. He told them, "Most of the lights inside the station are switched off when we are asleep, to save energy, and the adopted time at the ISS is Greenwich Mean Time. Our day starts at 6:00 am, and ends at 9:30 pm."

When asked about the first thing he would like to do upon returning, he said he would like to speak to his mother to tell her that he has returned safely.



CELEBRATIONS DURING HIS LIFT OFF

The UAE's successful space programme led to a series of celebrations across the country. One commemoration stood out from the rest. This was the work of Filipino expat Nathaniel Alapide, who created a dedicated work of art as a tribute to this historic occasion.

Alapide created sand art in the likeness of Hazzaa Al Mansoori within two hours at RIXOS Premium in Dubai. It was Alapide's dream to become an astronaut and this occasion had inspired him to accomplish this creation as his way of applauding the country.

NEXT ON THE UAE'S SPACE AGENDA

Hazzaa Al Mansoori's successful mission to space is just the beginning for the UAE's space exploration programme. This space-flight has given an impetus to its future missions, which include a plan to launch an exploration probe to Mars to celebrate the nation's 50th anniversary in 2020, followed by the intention to establish the first human colony on Mars by 2117.



A HERO'S WELCOME

On October 12, 2019, Hazzaa Al Mansoori, accompanied by the shortlisted UAE astronaut, Sultan Al Neyadi, landed at the Presidential Terminal of Abu Dhabi International Airport and received a much-deserved hero's welcome.

HH Sheikh Mohamed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces, welcomed the UAE's first man in space, and congratulated him on his successful return. His Highness also applauded his strong will and determination showcased across all the stages of the

historic mission.

His Highness said that their stellar performance was a true testament to the mettle of the Emirati people and their resolve to substantially contribute to the advancement of humanity. His Highness also acknowledged the support of the backup astronaut Sultan Al Neyadi across the expedition.

Both Al Mansoori and Al Neyadi expressed their heartfelt thanks to HH Sheikh Mohamed bin Zayed Al Nahyan for the kind gesture of receiving them at the airport. They said it was a privilege to be supported and encouraged by the

country's wise leadership.

Dozens of school children dressed in the iconic astronaut jumpsuit had also thronged the airport to catch a glimpse of their icon. Al Mansoori's family, including his children and mother, were also present to receive him.

In an act of felicitation, HH Sheikh Mohamed bin Zayed Al Nahyan presented Al Mansoori with a neatly folded UAE flag as a gift, while Al Fursan, the UAE Air Force's aerobatic display team, carried out a flyover, painting the sky with the colours of the country's banner.



HH Sheikh Mohamed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces, presents Hazzaa Al Mansoori with a neatly folded UAE flag as a gift upon his arrival in UAE

An Emirati troupe dancing the traditional ayala greeted the two astronauts before they walked beneath a sign depicting their images and the words: “Welcome home, pride of the nation.”

After being received by the country’s leadership, Al Mansoori was also locked in an emotional reunion with his mother. He hugged her and kissed her affectionately on the top of her head and touched her feet to show his regard and respect for her.

Across the country, citizens and residents of the country celebrated his safe return.

Nasdaq Dubai also celebrated his achievement by recognising him on the Nasdaq tower in Times Square in New York. Nasdaq is amongst the world’s biggest exchanges in terms of market capitalisation.



UAE's first astronaut Hazzaa Al Mansoori arrives at a grand welcome after his successful mission to the ISS



The main facade of Nasdaq tower in Times Square, New York

The main facade of the Nasdaq building paid tribute to Al Mansoori, with the signage: “A proud moment. Welcome back home Hazzaa Al Mansoori, UAE’s first astronaut, to reach the International Space Station, ISS.”

The stock market building mural also exhibited Major Al Mansoori’s photograph in a space suit, displaying a victory sign and revelling in the country’s journey to space, an honour experienced by only a few nations.

Following his return to earth, Al Mansoori also underwent a series of tests and examinations that confirmed that he was in perfectly good health.

All photos used in this feature story are from the official Twitter accounts of HH Sheikh Mohamed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces, and Mohammed bin Rashid Space Centre

JOURNEY OF MANY FIRSTS

While the journey called Expedition 61 officially launched the UAE as one of the few space-flyer nations in the world, it also brought with it many firsts in the history of space flights.



Night view of the UAE taken by Hazzaa Al Mansoori from the ISS



Captured: Hazzaa Al Mansoori's first photo of the Soyuz spacecraft aboard the ISS



The first time a UAE flag was raised in space



Hazzaa Al Mansoori in traditional Emirati attire with his colleagues aboard the International Space Station



Aboard the International Space Station with his colleagues

EMIRATI CULTURE EXPERIENCE FOR ISS

Space Food Laboratory, a Russian company that produces astronaut food for mass consumption on Earth, prepared traditional dishes for the duration of Al Mansoori's expedition.

His daily menu included Emirati delicacies such as canned halal salona, a chicken stew; madrouba, the pounded meat and rice dish; and balaleet, sweetened vermicelli served with an omelette for breakfast. According to the Russian state news agency Sputnik, the food was processed in special tubes and cans,

allowing it to be eaten in zero gravity.

Also, Major Al Mansoori hosted an Emirati food night for his crew mates on board ISS by offering canned and liquefied versions of the country's best-loved dishes. "I was privileged to be the first astronaut to host an Emirati night on board ISS to promote Emirati culture, which I am proud to belong to," he revealed.

FIRST EMIRATI TO OFFER PRAYER IN SPACE

With the space station rotating around the Earth at a speed of up to 28,000

kmph, an astronaut will see in one Earth-day at least 16 sunrises and 16 sunsets. This means that one day at ISS corresponds to only 90 minutes on Earth.

Major Al Mansoori conducted the required daily prayers based on the advice provided by religious experts. Before his space flight, he was given a copy of a guide book by a senior researcher at the Islamic Affairs and Charitable Activities Department in Dubai (IACAD). He also added that he used to look towards the Earth while offering his prayers.



SHEIKH ZAYED'S DREAM FINALLY REALISED

Tim Maycock is Director of Maycock Training Ltd, an international consultancy firm

The space-flight of the first Emirati astronaut takes the UAE further on the trajectory of global recognition, reinforcing its status as a beacon of progress

“The whole Arab region is with me. The whole country is with me. They are with me in their hearts.”

How profound those words spoken by astronaut Hazzaa Al Mansoori on the occasion of becoming the first Emirati to conquer the dizzying heights of space travel.

Expedition 61, a Russian-led mission, travelled in space to visit the International Space Station, floating up there many miles above our planet.

Imagine the excitement at the prospect of blasting off and heading straight up through the layers of the atmosphere, to a point where you can sit back and take a long view of our world, seeing it for real in its massive entirety, as we have only seen it before in one or two dimensions in a photo or on a screen.

It's not difficult to understand why space travel fascinates us so much. It is the stuff that movies are made of, that children's comics and cartoons depict. It is almost a fantasy world out there, but no, it really exists, and we humans having inhabited our Earth for millennia still understand so little about it. Yes, we have invented air travel within our atmosphere. Yes, we have gone a step beyond that with Moon landings in the last century. And yes, we now have the International Space Station, which lends a notion of permanence to our presence.

While nearly all of the waiting and wondering billions of us hold our collective breath and perhaps slightly envy those lucky enough to be the pioneers of the future of our species, those

chosen few calmly get on with the job of 'blazing a trail to the stars and beyond'.

But hey, it's not just luck that has put them there; these are very special people. They are highly intelligent, highly technically skilled, extremely physically fit and healthy, emotionally and psychologically stable, sound decision-makers, and problem-solvers.

Take our very own Hazzaa Al Mansoori: a high-ranking military officer, an F16 fighter pilot, who when questioned by journalists in a pre-mission press conference, was able to respond in an eclectic mix of languages including English, Arabic, and Russian.

All Soyuz space mission astronauts have to learn Russian, in addition to all the other necessary preparations.

His mission, said Al Mansoori, was “realising the dream of the late Sheikh Zayed, founding father of the nation, who met NASA astronauts twice in his lifetime and spoke of his vision of the UAE becoming a major player in space exploration”.

What a noble ambition, and one that he achieved with flying colours, if only

Sheikh Zayed could have seen it accomplished. However, his legacy lives on through our revered rulers and through us, the people of the UAE.

Al Mansoori has had an amazing experience and has pushed our nation even further into world recognition, further establishing the UAE as a potent force in driving our planet into a brighter future.

What a noble ambition, and one that he achieved with flying colours, if only Sheikh Zayed could have seen it accomplished

The views expressed by 999 columnists are their own and do not necessarily reflect those of the Ministry of Interior

UAE UNVEILS WORLD'S FIRST FLOATING POLICE STATION



FREE OF ANY HUMAN INTERVENTION, THIS INNOVATIVE POLICE STATION WILL
BE ALL DAYS 24 HOURS OPEN, PROMOTING BOTH COMMUNITY SAFETY AND
MARINE SUSTAINABILITY

BY ROOPA RAVEENDRAN MENON



Lt General HH Sheikh Saif bin Zayed Al Nahyan, Deputy Prime Minister and Minister of Interior, leads the unveiling of the groundbreaking world's first floating police station at the GITEX Technology Week 2019

Kleindienst Group

“This extraordinary, unique, and pioneering project has certainly caught the attention of police and security institutions around the world, as they seek to replicate the experience in their countries



MAJOR GENERAL ABDULLAH KHALIFA AL MARRI

Commander-in-Chief of Dubai Police

The floating seahorse SPS has been developed by Dubai Police, in collaboration with the Kleindienst Group, the company behind the state-of-the-art Floating Seahorse Villa and the Heart of Europe project at Dubai World Islands. The floating SPS is scheduled to be in the middle of The World Islands. This manmade archipelago, when seen from high up in the air, looks like the world map. The islands will continue to grow even in terms of population. Thus, the need for police overview.

The floating SPS is slated to be functional in the first quarter of 2020 and the World Islands residents, visitors, and anyone else at sea will benefit from its innovative, high-performance key services, which include the reporting of crimes, traffic cases, and other community services.

The innovation further underlines the emirate's advanced strategy and plan to

promote happiness and sustainability using smart technology as well as enlightening society on preserving aquatic life.

Major General Abdullah Khalifa Al Marri, Commander-in-Chief of Dubai Police, welcomed and applauded this decision. He said, “This extraordinary, unique, and pioneering project has certainly caught the attention of police and security institutions around the world, as they seek to replicate the experience in their countries.”

One of the crucial highlights of the SPS is not only its commitment to providing safety and security services but also to promoting marine life protection in the Heart of Europe development, which is an island project, and in the rest of the UAE.

Brigadier Khalid Nasser Al Razooqi, Director of the Artificial Intelligence Department of Dubai Police, said that the floating station will be the fourth SPS in the emirate after the City Walk SPS and

VITAL SERVICES

In 2017, His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, inaugurated what was described as the world's first Smart Police Station at City Walk.

Accessible 24 hours, seven days a week, the new SPS provided 27 vital services such as crime reporting, traffic cases as well as an extra 33 services offering community services ranging from securing a good-conduct certificate to social support for victims of domestic abuse.

UAE police have always been a step ahead when it comes to promoting happiness, sustainability, and security. The latest milestone on this continuing journey is the inauguration of the world's first floating Smart Police Station (SPS) at the GITEX Technology Week 2019 by Lt General His Highness Sheikh Saif bin Zayed Al Nahyan, Deputy Prime Minister and Minister of Interior.



“The modern floating station will be functional 24 hours, seven days a week and it will offer 27 vital services, including reporting of crimes, traffic incidents, and community services



**BRIGADIER KHALID NASSER
AL RAZOOQI**

Director of the Artificial Intelligence Department
of Dubai Police

other drive-thru and walk-in versions in the city. “The modern floating station will be functional 24 hours, seven days a week and it will offer 27 vital services, including reporting of crimes, traffic incidents, and community services. It will also deliver 33 fully automated sub-services. Our main aim has always been to provide police services for everybody; it is also a part of the police strategy to provide smart services in Dubai,” said Al Razooqi.

Dubai Police revealed that the floating

station would be equipped with the necessary tools to facilitate the docking of yachts and boats without human involvement.

Josef Kleindienst, Chairman of the Kleindienst Group, discussed the sustainability aspects of this project, saying: “The Heart of Europe project is gaining impetus and the SPS is a good example of the infrastructure and facilities that will be in place and available to the waterfront community. Our vision for protecting marine life is also being realised through the vital role the stations will play in promoting sustainability.”

He also spoke of the company’s honour to be part of such a prestigious and innovative project, aligned with Dubai’s progressive vision. He said, “Our alliance with Dubai Police has been built on the pillars of innovation, engineering ingenuity, and imagination. We were the first company in the world to have developed such an innovative concept such as the luxurious floating above and underwater living experience through the Floating Seahorse Villa.”

CUSTOMER FRIENDLY

The process at the SPS is uncomplicated. Visitors are ushered into

confidential cubicles at the station where they can tap on an electronic dashboard to communicate online with police officers round the clock. The smart dashboard offers several services like paying traffic fines by cash or cards or sending and receiving documents.

In order to ensure the completion of crime reporting, a police officer speaking to the visitor online are required to take the visitor’s statement and return it to the visitor at the smart station in a hard-copy form. The visitor is then required to sign it before returning the copy to the officer.

The architect behind the station, Captain Ebrahim Al Shaibani, conceptualised that two employees would be initially stationed to guide customers on how to use the services; after the initiation period, the station would operate without on-site police presence.

Waiting customers can play an educational driving game inside which aims not only to entertain them but also to spread the culture of safe driving.

“Some people don’t like to go to police station and this station will break the ice as people will walk in freely anytime and get the police service without need to go to normal station. It will cut time and effort and will reduce number of customers in other stations,” Captain Al Shaibani said.



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999 MAGAZINE SPREADS CULTURE OF SAFETY AMONGST KIDS

IT IS VITAL TO MAKE STUDENTS PARTNERS OF THE CONCERTED EFFORT TO MAINTAIN SAFETY IN SOCIETY. **999** HAS TAKEN STEPS TO INCULCATE AMONGST THEM THE VALUE OF KEEPING OUR COMMUNITIES SAFE AND SECURE

Under the directives of Lt General His Highness Sheikh Saif bin Zayed Al Nahyan, Deputy Prime Minister and Minister of Interior, and the follow-up of HE Khalil Dawood Badran, Chairman of the **999** Magazine Development Committee, a delegation from **999** Magazine, the official monthly publication of the Ministry of Interior, visited Al Dhabianiah Private School in Abu Dhabi.

The delegation was accompanied by writer and journalist Jassem Obaid Al Zaabi, and was warmly received by the head of the school, Jamila Al Mansouri, and a number of teachers and administrators.

Colonel Awadh Saleh Al Kindi, Editor-in-Chief of **999** Magazine

and Member of the Committee for the Development of **999** Magazine, and the delegation distributed gifts, stationery, and copies of **999** Magazine amongst students of Al Dhabianiah, which is under the Ministry of Education.

A student named Fahd Hamdi Yassin Mohammed was gifted a free annual subscription to **999** Children magazine in recognition of his enthusiasm for reading the magazine every month, as well as his passion for the characters and topics in the magazine. In fact, he regularly shares the knowledge he gains from the magazine with his classmates.

In line with the Ministry of Interior's effort to spread the culture of safety and security in all segments of society, especially



amongst students, Colonel Al Kindi's visits to public and private schools across the country. This, he said, is also part of the magazine's vision and slogan, 'A New Concept: Police's Relationship with Society'.

"Safety and security are vital subject matters that we must inculcate in the minds of our young people. These two topics combined can become a strong pillar for our children to grow up responsible and law-abiding citizens of this country that puts utmost emphasis on the rule of law. Indeed, the younger generation is part of nation-building," Colonel Al Kindi underscored.

Meanwhile, Al Zaabi urged all students at an awareness session to study hard and excel in light of the generous aid offered to science and scientists by the UAE's wise leadership. The leadership's investment in science recently resulted in a spectacular achievement: the historic space flight of the first Emirati astronaut Hazza Al Mansouri to the International Space Station.

For her part, Jamila Al Mansouri thanked 999 Magazine for its continuous support to students and media activities, wishing the magazine's success in achieving its social as well as safety and security mission.

“ Safety and security are vital subject matters that we must inculcate in the minds of our young people. These two topics combined can become a strong pillar for our children to grow up responsible and law-abiding citizens of this country that puts utmost emphasis on the rule of law



COLONEL AWADH SALEH AL KINDI

Editor-in-Chief of 999 Magazine and
Member of the Committee for the Development of 999 Magazine



MEET THE UAE'S FIREFIGHTING ROBOTS

THE UAE'S FIREFIGHTING ROBOTS ARE TAKING ON HUGE BLAZES THAT COULD BE FATAL FOR EVEN HIGHLY TRAINED HUMAN PERSONNEL. THE COUNTRY IS RAISING THE BAR FOR SAVING LIVES AND PROPERTY WITH CUTTING-EDGE TECHNOLOGY

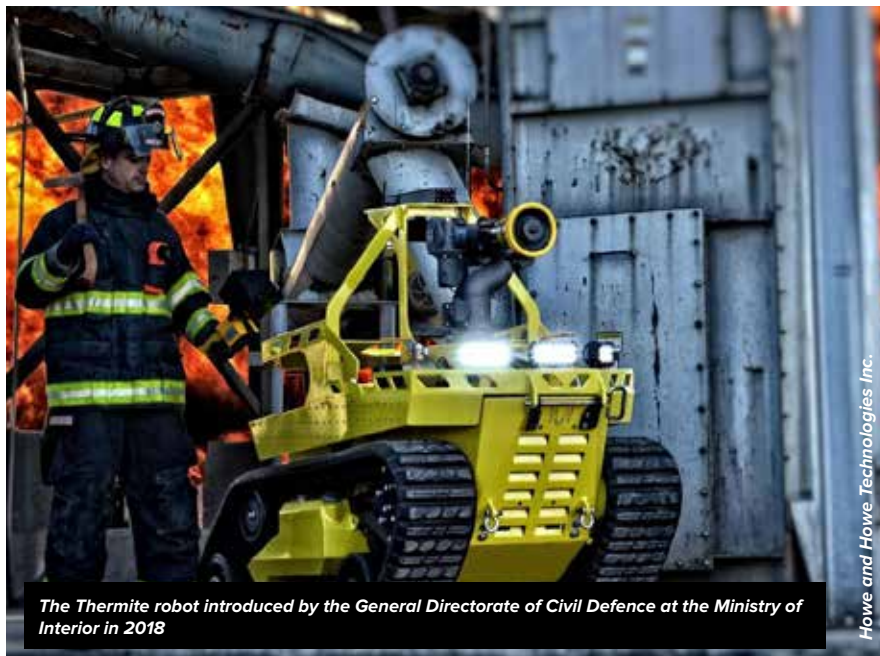
BY MINARI SALEH & ROOPA RAVEENDRAN-MENON

Being trapped amidst roaring flames would be one of the most frightening experiences of our lives, and firefighters are the people who would rush to our rescue. Therefore, the UAE, like some other advanced nations, has gone a step ahead and incorporated firefighting robots in civil defence.

For a human firefighter, they always risk their lives for others. And the risk becomes too high for them if the site on fire has too many obstructions, e.g. collapsed walls/ceilings in a tall building, toxic smoke or even an explosion, e.g. in a chemical factory fire. The protective gear may not always be able to withstand such extreme dangers; and those trapped may also not be rescued soon enough. That's where the robot firefighters come in, with an eye on making civil defence more efficient and protecting the human firefighters in the line of duty.

The General Directorate of Civil Defence at the UAE Ministry of Interior (MoI), the General Directorate of Civil Defence in Abu Dhabi, and other general directorates of civil defence across the country are learning as much as they can from the latest global technologies and adopting some of those methods.

Recently, the General Directorate of Civil Defence at the MoI introduced firefighting techniques using a robot named Thermite. The robot was introduced by the MoI in August 2018, augmenting the federal directorate's array of smart technologies, civil defence vehicles and equipment. The robot supports human firefighters by allowing them to reach dangerous areas at the fire site. Meanwhile, the General



The Thermite robot introduced by the General Directorate of Civil Defence at the Ministry of Interior in 2018

Howe and Howe Technologies Inc.

Directorate of Civil Defence in Abu Dhabi conducted a field trial using the remote-controlled Luf 60 firefighting robot.

GLOBAL STANDARDS

Major General Dr Jassim Mohammed Al Marzouqi, Commander-in-Chief of Civil Defence at the Ministry of Interior, explained that the use of the Thermite robot was in line with the vision of the UAE government in the areas of innovation and Artificial Intelligence.

"Under the directives of Lt General His Highness Sheikh Saif bin Zayed Al Nahyan, Deputy Prime Minister and Minister of Interior, the Civil Defence at the Ministry of Interior is keeping up with the latest mechanisms and equipment for fire and rescue," Al Marzouqi said.

66 Under the directives of Lt General His Highness Sheikh Saif bin Zayed Al Nahyan, Deputy Prime Minister and Minister of Interior, the Civil Defence at the Ministry of Interior is keeping up with the latest mechanisms and equipment for fire and rescue



MAJOR GENERAL DR JASSIM MOHAMMED AL MARZOUQI

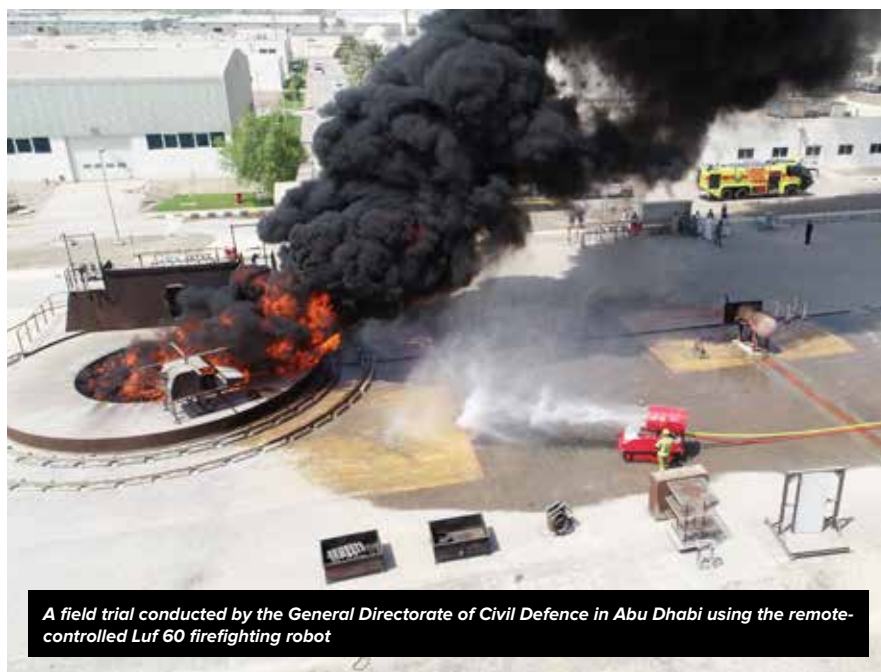
Commander-in-Chief of Civil Defence at the Ministry of Interior

"The arrival of the firefighting robot Thermite in the UAE was a new achievement for the UAE in the areas of prevention, safety, and protection of life and property," added Al Marzouqi. This project, he said, saw the collaboration of the MoI, represented by the General Directorate of Civil Defence, and the



A field trial for the Luf 60

www.luf60.at



A field trial conducted by the General Directorate of Civil Defence in Abu Dhabi using the remote-controlled Luf 60 firefighting robot

American company Howe & Howe Technologies for the making of a firefighting robot that would meet the needs of the UAE civil defence sector.

THERMITE IN ACTION

Regarding the advantages of the Thermite robot, Al Marzouqi explained that it has the ability to enter high-risk areas in terms of exposure to heat and explosions. It can be operated through remote control for a distance of about a kilometre. The robot has the ability to use multiple extinguishing methods such as high-flow water streams, water in the form of spray, and foam control, as well as the ability to work in difficult conditions and long hours, especially in major fires, such as large warehouse fires, buildings, and large facilities.

Thermite is also used in large tunnel fires where it performs firefighting, temporary cooling, ventilation and smoke removal in indoor areas, including basements and narrow spaces, without putting human firefighters at risk.

TENDING TO A ROBOT

On training civil defence personnel on the use, repair, and maintenance of this robot, Al Marzouqi said that under the agreement with the manufacturer of the Thermite, a number of civil defence employees were chosen according to the standards of excellence and efficiency.

They underwent a specialised course on all technical requirements related to Thermite's operation, dealing with breakdowns, and periodic maintenance work.

He stressed that the General Directorate of Civil Defence at the MoI adopted the highest global standards for fire safety by applying fire prevention procedures and implementing civil protection programmes and measures, as stipulated in the Emirates Fire Protection and Life Protection Guide.

TRIALS AND COMPARISONS

On the objectives of the use of robots in the field of civil defence, Brigadier Mohammed Ibrahim Al Ameri, Deputy Director General of Civil Defence in Abu Dhabi, said that the firefighting robot like Luf 60 was used in industrial areas and front lines to fight difficult and complex fires. "This technique is used to keep human firefighters out of danger zones, pump a large amount of water, and minimise waste of time and effort," said Al Ameri.

As for the advantages of firefighting robots, Al Ameri explained that they can be operated using remote control, enabling them to reach distances that can no longer be reached by human firefighters. The large amounts of water pumped by the robots help extinguish the fire in a very short time. It also

“ This technique is used to keep human firefighters out of danger zones, pump a large amount of water, and minimise waste of time and effort



BRIGADIER MOHAMMED IBRAHIM AL AMERI

Deputy Director General of Civil Defence in Abu Dhabi

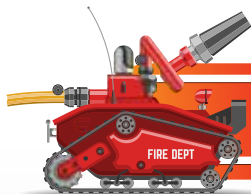
creates positive air currents in indoor areas and narrow places, he explained.

At the General Directorate of Civil Defence in Abu Dhabi, a comparison between the most modern robots used in this field are being carried out, their readiness and efficiency are discussed, and the possibility of using them in the Capital is being explored.

At the end of September, the General Directorate of Civil Defence in Abu Dhabi conducted a trial with remote control to extinguish fires in factories, tunnels, and indoor parking lots using the Luf 60 robot. The robot was tested at the site of the Jaheziya company in Abu Dhabi.

The trial witnessed the participation of Staff Brigadier Pilot Ali Mohammed Musleh Al Ahbabi, Head of the Abu Dhabi Coastal and Infrastructure Protection Authority, a number of officers from the General Directorate of Civil Defence in Abu Dhabi, and specialists from the concerned authorities.

Al Ameri highlighted that at present, the Abu Dhabi authorities are coordinating with leading international manufacturers of robots to explore on the latest technologies in this field. These robots were evaluated by developing realistic scenarios to ensure that they were ready, effective, and efficient in the most difficult circumstances to cope with unexpected variables and conditions faced by civil defence teams, he added.



FIRE-FIGHTING ROBOTS ACROSS THE WORLD

1 COLOSSUS

The Colossus robot is a technical support robot that is modular designed for intervention in hazardous zones. It is able to support human forces to douse fires, transport heavy equipment, wounded people as well as creation of information summaries and optical recognition, namely HD camera with zoom x5, thermal camera, amongst others. This robot is deployed with the Paris Firefighter Brigade and its advantages are many: it can easily carry 1 tonne (around 1,000 kg); it is fully waterproof and safeguarded against thermal radiation; it can independently survive for 10-12 hours in an operational condition; option switching can be carried out in less than 30 seconds without tool (water cannon, tools transport, wounded persons transport).



2 DRAGON

Created by Tohoku University and Hachinohe College in Japan, the Dragon firefighter robot works on the same principle that a firefighting hose does when it is switched on and starts waving and flapping around. However, what makes the Dragon different from a hose is that it has multiple nozzles pointing in different directions that can be opened and closed independently.

In short, this robotic hose-dragon has a nozzle-covered sort of a head or a neck. The water pressure from the hose is rerouted into numerous outlets to create a stable position that can be effectively adjusted. Like rocket engines, it can lift itself off the ground and fly but still requires human intervention to help it move forward.

3 WALK-MAN

The Walk-Man robot was developed through a European Union-funded project with the University of Pisa in Italy; the École Polytechnique Fédérale de Lausanne in Switzerland; the Karlsruhe Institute of Technology in Germany; and the Université Catholique de Louvain in Belgium.

Remotely controlled by a human worker dressed in a sensor-equipped suit, the Walk-Man is equipped to enter a building, locate the fire, then douse it using an extinguisher. The robot's head encompasses a 3D laser scanner and microphones, along with video cameras that broadcast live video to the human worker.

The Walk-Man's body is controlled using 32 motors and control boards, with 4 force and torque sensors positioned at its hands and feet and 2 accelerometers to maintain its balance. Currently, the Walk-Man is 1.85 metres tall (6ft), and weighs 102 kg. Being lighter than its earlier version allows the robot to respond more swiftly to maintain its centre of balance and keep from falling over on an uneven territory. It can also function for about 2 hours on one charge of its battery pack.





4 FIREFIGHTING ROBOT SYSTEM

The Firefighting Robot System was developed by Mitsubishi Heavy Industries (MHI) through the company's participation in a 5-year project led by Japan's Fire and Disaster Management Agency.

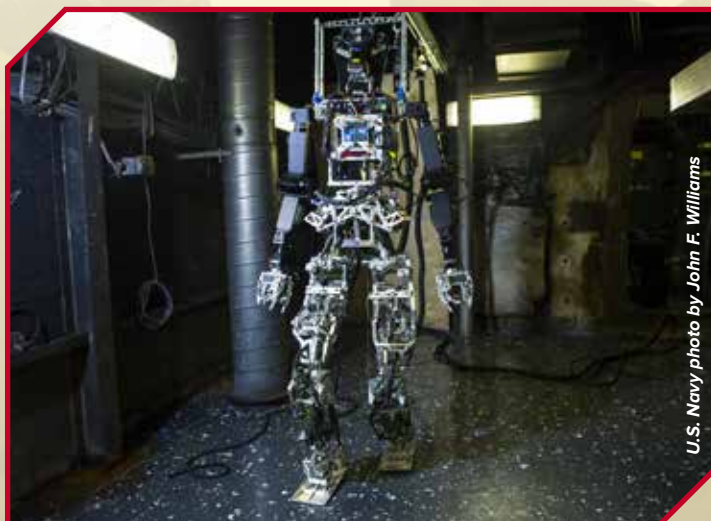
The Firefighting Robot System comprises the Water Cannon Robot and the Hose Extension Robot. They function as a team, actively engaging in situations that are too dangerous for human firefighting crews. The Water Cannon Robot, with the capability to release up to 4,000 litres per minute at a pressure of 1.0 MPa, can put out fires where human intervention is tough, while the Hose Extension Robot can lay out up to 300 metres of fire hose to supply water to the Water Cannon Robot.

Together, the two robots, when fused with a reconnaissance and surveillance robot and a command system, form a Firefighting Robot System. The frames are fortified with GPS and laser sensors that together enable independently controllable movement.

With the assimilation of advanced technologies, the robots are able to self-drive to the scene of a fire, equipped with an attached firehose.

5 SAFFiR

Sponsored by the US Navy and the Office of Naval Research is SAFFiR, a bipedal humanoid robot. It is 5 ft 10 inches (178 cm) tall and weighs 64.8 kg. Based on the CHARLI-L1 robot created at Virginia Tech, SAFFiR has an extraordinary range of motion for operating in narrow, complex spaces, and moving over irregular, obstacle-strewn surfaces. SAFFiR's entire-body momentum control lets the robot optimise the locations of all of its joints so that it can maintain its frame on undefined and uneven ground. The main purpose of SAFFiR is firefighting and damage control. It uses thermal imaging to trace and detect fires and LIDAR and other sensors to chart areas and see through smoke.



6 TC800-FF

A remotely controlled robot with independent manoeuvring capabilities, TC800-FF is designed to assist firefighters during operations, especially those that involve high-risk situations. This extraordinarily capable robot can carry up to 800 kg of equipment and pull 200 metres of fire hose with water in it. Due to its stretcher holder, it can gather information with cameras and direct it back to the remote operators, transport heavy equipment, push a vehicle, or even assist with casualty evacuation. The maintenance-free, brushless engines make TC800-FF more dependable, and its monitoring system lets the human operator check in real-time the health of its different sections.



UAE IGNITES FUTURE OF MOBILITY

999 TRANSPORTS YOU TO GROUNDBREAKING SMART CITY
INNOVATIONS THAT ARE CHANGING THE FUTURE OF AIR TRAVEL AND
DAILY COMMUTE OPTIONS IN THE UAE

BY JOJO DASS



“ Various sophisticated innovations putting the UAE in the same league as top smart cities across the world were announced at the just-concluded 39th Gitex Technology Week

Technological advances in the field of connectivity are mind-boggling. The thought of where 5G data speed, Artificial Intelligence, the Internet of Things, amongst others will take us can raise goosebumps of awe. What was once a staple of sci-fi movies – drones, flying taxis, hyperloops – has arrived and would soon become part of the country's smart transportation systems.

Smart Metro gates, paperless airport check-ins, the cardless Nol system, taxis where you can talk to the driver in 26 languages, online limo booking, there's digitalisation of mobility everywhere in the UAE, and it's thrilling.

Various sophisticated innovations putting the UAE in the same league as top smart cities across the world were announced at the just-concluded 39th Gitex Technology Week. The five-day global event came on the heels of a Smart City Index 2019 report by Switzerland's Institute for Management Development (IMD), done in partnership with the Singapore University of Technology and Design (SUTD), which ranked Abu Dhabi and Dubai amongst 102 smart cities of the world.

Smart cities, said experts, incorporate advances achieved in the Internet of Things to improve people's lifestyles and at the same time made the city sustainable, improving efficiency and

productivity. This in turn translates to more economic growth and wealth for cities and residents.

The Barcelona-headquartered IESE Business School's Centre for Globalisation and Strategy has also come up with its list of smartest cities in the world and was published by Forbes. It has the following parameters for determining just how smart a city is: human capital, which means the ability to develop, attract, and nurture talent; social cohesion, where consensus

amongst the different social groups in a city is formed by way of tolerance; economy; environment; governance; urban planning; international outreach; technology; and mobility, which involves ease of movement and access to public services.

999 transports you to some groundbreaking technology trends unveiled at the latest edition of GITEX. These are set to revolutionise our notion of mobility and travel.



BIOMETRIC PASSAGE



“The move to install Biometric Passenger Journey came from GDRFA Dubai’s keenness to put the UAE on the map of the digital world and smart cities



MAJOR GENERAL MOHAMMED AHMED AL MARRI

Director General of GDRFA Dubai

Dubai International Airport, in coordination with Emirates airline, has started rolling out what it dubbed the Biometric Passenger Journey. Major General Mohammed Ahmed Al Marri, Director General of the General Directorate of Residency and Foreigners Affairs (GDRFA) in Dubai, said that the programme would provide First Class and Business Class passengers “the most intelligent and sophisticated” way to travel, pushing the boundaries of technology.

Al Marri said, “The move to install Biometric Passenger Journey came from GDRFA Dubai’s keenness to put the UAE on the map of the digital world and smart cities”. A world-first, the biometric path, said Adel Al Redha, Emirates’ Chief Operating Officer, was a result of efforts to “improve airline services with the latest technology and innovation and aim to provide a customer journey that is seamless and fast”.

Fatima Al Mazrouei, GDRFA head of Smart Projects Support, said that the biometric path begins at the check-in counter, where all that the passenger needs to do is show travel booking and passport. “The counter will gather all

biometric info and if the passenger is cleared, he can walk to the Smart Gate. He doesn’t have to show any document. The camera at the Smart Gate will verify the information from the biometric data. The same procedure is followed in the lounge area and boarding gate,” said Al Mazrouei.

Officials said that plans were afoot to implement the system across all Dubai airports. Currently, the Dubai International Airport has an express lane, where residents can swipe in their Emirates ID to proceed to the boarding gates after checking in.



VIRTUAL NOL SWIPE



Admit it: you've lost or misplaced one or two, maybe even three, Nol cards from the time you started riding the Dubai Metro; and you probably have four stashed in your bags and pockets somewhere. It's nerve-wracking indeed to be at the Metro gates during rush hour and realise you don't have your Nol card with you. No worries. This will all be a thing of the past,

as the Roads and Transport Authority (RTA) has embarked on a digitalisation programme, Virtual Nol Card, where all you need to do is go to the RTA app, type in details of your Nol card and voila, you're good to go.

"You don't anymore have to carry your Nol card with you," said Ahmed Hasan Mahboub, RTA Customer Service

“You can also top up your virtual Nol card using your mobile phone. A full roll-out is scheduled for the third quarter of 2020



AHMED HASAN MAHBOUB

Executive Director of
RTA Customer Service Department

Department's Executive Director. "You would need to enable a Near-Field Communication (NFC) short-range wireless connectivity in your mobile phone to make it work. You can also top up your virtual Nol card using your mobile phone. A full roll-out is scheduled for the third quarter of 2020."

MULTI-LINGUAL CABS

The Roads and Transport Authority (RTA) has launched a pilot project called Tech Taxi that, amongst others, makes it possible for the city's multi-ethnic communities to talk to the driver in their own language. The programme can do oral translation of up to 26 languages.

It works this way: get into a taxi and connect to the taxi Wi-Fi. The RTA app will appear via the Wi-Fi. In one of the options, you will be able to communicate to the driver even though you don't speak the same language. The app can show the passenger the taxi fare beforehand, provide navigation guides, and allow the rider to share the location map of the journey with family or friends via

“In one of the options, you will be able to communicate to the driver even though you don't speak the same language

WhatsApp or other online platforms. The service has already been introduced in 1,500 taxis, said RTA officials. It's hoped

that all of RTA Dubai's 10,000 taxis would have the system up and running by the end of the year.



CALL A LIMO, ONLINE

“ There are several choices, including a vehicle for the handicapped, an electric Tesla car, black sedan, black SUV, and one driven by female drivers



**DR ENGINEER YOUSIF
MOHAMMED AL ALI**
CEO of Dubai Taxi Corporation

Once in a while, you reward yourself for your hard work. And nothing can be as Instagrammable as a chauffeur opening the door of a limousine for you. The



Roads and Transport Authority (RTA) has launched an Online Limo Service through the DTC app that can be downloaded via AppStore and Google Play. Dr Engineer Yousif Mohammed Al Ali, CEO of Dubai Taxi Corporation, said that, “Passengers could select a location for pick-up and drop-off. There are several choices, including a vehicle for the handicapped, an electric Tesla car, black sedan, black SUV, and one

driven by female drivers.

The luxury chauffeur-driven vehicle service is designed to serve the needs of Dubai residents and visitors, especially business professionals and tourism industry clients. Enriching this experience, the service is available 24 hours, all days of the week. Promo codes will also be given as well as special rates for frequent users.” Hop on!

SMART VISIT TO EXPO 2020

Going to the Expo 2020 site next year on Dubai Metro should be a breeze as the Roads and Transport Authority (RTA)



has installed a new generation of Smart Gates that will allow for quicker access. “The Smart Gates for Expo 2020 visitors are an upgrade from the ones that you see at the regular stations. The new ones are able to sense objects in a more accurate way compared to the conventional system,” said Mohammed Al Mudharreb, Director of RTA’s Rail Operations. He said that the smart gate would give enough time to a person carrying luggage or a child stroller to get through it before it closed again. It will be equipped with a 3D-sensor technology, boosting safety by preventing incidents

where passengers crash into the gates with their carry-on baggage. The gates also automatically open in case of emergencies or fire. The Smart Gates will automatically open in case of emergencies. Other features of the smart gates include the detection of misuse, and attempts to evade payment of fare (tailgating).

Route 2020 construction is right on track and is slated to start its operations on May 20, 2020 - five months before the inauguration of the highly anticipated Dubai Expo 2020. The project comprises a 15km-long line, of which 11.8km will be an elevated section and the remaining 3.2km underground. Its route

“ The Smart Gates for Expo 2020 visitors are an upgrade from the ones that you see at the regular stations. The new ones are able to sense objects in a more accurate way compared to the conventional system



MOHAMMED AL MUDHARREB
Director of RTA’s Rail Operations

is designed to cover populated areas in the city to make commutation easy for the visitors and the residents of Dubai not only during the global world fair but even beyond the event.

THE SILENT CRIME



THE EMIRATES ID IS AN EXTREMELY IMPORTANT DOCUMENT
FOR RESIDENTS AND EXPATS ALIKE. AND ONLY YOU CAN STOP
THE POSSIBILITY OF YOUR PERSONAL INFORMATION FALLING
INTO THE WRONG HANDS

BY K NIVEDITA

If you receive a phone call from someone claiming to be from the office of the Emirates ID, would you follow the caller's instructions to the letter, or get suspicious and hang up?

Emma White, a Dubai-based personal trainer in the UAE and founder of bactive.me, first began following instructions but then, fortunately, got suspicious. Speaking to **999**, she says, "The caller said that 'Emirates ID' needed my bank details to link them to my ID. I asked for proof of who they were and they sent me a text from purportedly Emirates ID. I had received a text previously from the same number for my helpers' ID, so I presumed this was legitimate." The caller then asked for her bank account number, which she didn't remember, so he asked for her credit card number. "I started to give the number, but I became suspicious when he asked for the three-digit code that is behind the card. I told him I was not happy to give him that information and said goodbye," recalls White. Had she given away those details, her bank account would have been hacked.

Fraudulent phone calls by scammers pretending to represent banks and then tricking people into revealing their account or card details are becoming common, according to UAE authorities. Now, scam calls about Emirates ID are coming in



because this card is a very important document linked to a lot of personal data.

In the middle of September 2019, UAE media reported the case of an Abu Dhabi-based banker who received a scam call. The target was informed by a text message that the government had blocked all her cards and that she should call back on that mobile number. She did so, and though she was suspicious about the poor English of the man who answered the call, the explanation he gave sounded "plausible" to her. "He said ahead of Expo

2020, the government wanted to link all credit and debit cards to Emirates ID system," according to the banker. However, she refused to give away her data and, therefore, saved herself a world of trouble.

Also in September 2019, the personal finance editor of The National Newspaper wrote about her interesting telephone encounter with a scammer, calling from the "Central Bank of Abu Dhabi", who wanted her ATM card number with the intention of "updating" her Emirates ID. Journalist Alice Haine wrote: "The male caller said

THE NUMBERS

5,435,911

Number of Emirates ID cards issued in 2017



1,288,844
NEW RELEASES



4,416,933
RENEWED



134
REPLACED

3

The number of authentication steps for the Emirates ID

15 DIGITS

Unrepeated identity number in the Emirates ID



“In June 2019, the Federal Authority for Identity and Citizenship (ICA) used social media to spread the message that it ‘does not use telephone or e-mail to record or update individuals’ data’”



“Individuals and companies should be careful when dealing with other parties in transactions involving the transfer of funds or properties. It is not sufficient simply to rely on the appearance of any counter party or to make assumptions



KHALID AL HAMRANI

Partner & Regional Head of
Financial Crime Practice at Al Tamimi Co.

he was from the Central Bank of Abu Dhabi. He wanted the details of my ATM card to help update my Emirates ID. ‘Oh ma’am, your Emirates ID to be not updated in your bank – your bank block[ed] your account for five years,’ he said in broken English. ‘Your account is blocked now and all your money is going to go out of your account – all money is lost.’ Clearly aware that she was talking to a con man, Haine kept stalling to see what the scammer would do. He became increasingly aggressive and threatened to get her

airport access blocked. At this point, Haine decided to burst his bubble. She wrote: “I politely pointed out there was no such organisation as the Central Bank of Abu Dhabi, only a Central Bank of the UAE, and it is unlikely they would ask me for my 16-digit ATM card number to update my Emirates ID records.”

Know that the government doesn’t ask for personal data or banking details over the phone. In June 2019, the Federal Authority for Identity and Citizenship (ICA), the government body that issues the Emirates ID, used social media to spread the message that it “does not use telephone or e-mail to record or update individuals’ data”.

“Avoid disclosing or sharing your data by e-mail or phone, especially those related to your bank accounts or personal information,” it tweeted, adding that people may contact the department at 600530003 or through its social media channels.

Receiving an Emirates ID one-time password (OTP) or text from a number that looks authentic is not always a reliable test. Scammers have devised ways to send these to you to win your trust. How big is the playing field for

criminals? You can get an idea from the fact that almost every person carries a card. In 2017, the number of Emirates ID cards issued was 5,435,911, of which 1,288,844 were new, 4,416,933 were renewals or substitutions, and 134 cards were replaced due to technical defects. A criminal only needs to spot the vulnerable ones from this sea of crowd.

HIGH-VALUE POSSESSION

An Emirates ID card is one of your most important possessions in the UAE. It’s a portable personal database and is given to both citizens and expatriates, including newborn babies. The Emirates ID must be carried at all times. There is a Personal Identification Number (PIN) with the card. This four-digit PIN is one of the ways to access the private data in the card and authenticate the cardholder’s identity.

Khalid Al Hamrani, Partner & Regional Head of Financial Crime Practice at Al Tamimi Co. explains in his online article that, “Individuals and companies should be careful when dealing with other parties in transactions involving the transfer of funds or properties.” He cautioned that people must first verify the authenticity

600530003

Call centre hotline of the
the Federal Authority for
Identity and Citizenship (ICA)
to allow customers to track
their transactions, inquire
about all types of
ID card-related
procedures, and
file complaints
as regards their
Emirates ID





of the person claiming to be an authority before concluding any transaction. He added, "It is not sufficient simply to rely on the appearance of any counter party or to make assumptions."

Meanwhile, Tulika Kaul, Legal Intern, STA Law Firm, told **999** that the Emirates ID is, effectively, a documentation of your identity. Like your other valuables, it's attractive to criminals. "There are several transactions that an Emirates ID can be used for, including paying fines, paying utility bills, registration of vehicles. Soon, the Emirates ID will take the place of one's driving licence and debit card. It was in 2016 when Emirates ID also replaced health insurance cards. Undoubtedly, the Emirates ID contains

“Fraudsters may use lost or stolen Emirates IDs to subscribe to a number by purchasing a post-paid mobile phone number, thereby leaving the genuine card-holders with bills that are worth thousands of dirhams

vital and personal information of the card-holder. If lost or stolen, it can be misused in a variety of ways. In accordance with Federal Law No. 9 of 2006 concerning Population Register and ID Card System as well as its executive regulation, it is essential that the Emirates ID holder adheres to certain rules and regulations to safeguard his identity," says Kaul.

TYPES OF ID CRIMES

Impersonating an Emirates ID officer, such as what happened to Emma White, is only one of the ways in which criminals target your personal data. "It's essential to be aware of identity theft or fraud. When a person uses the personal data of another individual, it's referred to as identity theft," says Kaul.

She adds that if one's Emirates ID is stolen, the card-holder may face various consequences, some of which could amount to criminal conduct by the thief or the person finding the card. "Fraudsters may use lost or stolen Emirates IDs to subscribe to a number by purchasing a post-paid mobile phone number, thereby leaving the [genuine card-holders] with bills that are worth thousands of dirhams. Consequently, after losing the Emirates ID, the victims often receive huge bills through multiple phone numbers taken in their name, as well as harassing calls by

the representatives of the phone company to settle the pending dues," she says.

CASES OF MISUSE

In October 2019, a 37-year-old man was tried at the Dubai Court of First Instance for duping a businessman of Dhs3,000. Investigators found that the accused had used the Emirates ID of a third person to claim the businessman's money at an exchange outlet. CCTV footage showed him collecting money at the exchange centre.

In yet another case, a woman is spending time in jail after the Dubai Court of First Instance sentenced her for using somebody else's Emirates ID to check into a hotel. In June 2019, she turned up, wearing a wig to look like a person from another country, and told the receptionist that she had a booking and gave the number of the person whose Emirates ID she had stolen. The receptionist alerted the manager, who approached the woman. She realised that her ruse had fallen flat and tried to escape but was nabbed.

A WRONG TURN

The UAE law has come down heavily on people who have given their Emirates ID cards to their family and friends.

Two years ago, a case that made news was of a man whose Emirates ID card

“ Make a note to self: it’s illegal to use your Emirates ID for another person, however altruistic your motive is

was with his cousin, a tourist from another country. The latter decided to enter a building in Dubai and flashed his cousin’s card at the guard. The guard called the cops when he found out that man was not the same person in the Emirates ID he presented.

More recently, a woman was accused of using her daughter’s medical insurance card and Emirates ID to get medical treatment for her friend’s daughter at a government hospital in Abu Dhabi. Standing before the Abu Dhabi Criminal Court of First Instance in July 2019, she said that the child had hit her head on the floor at the woman’s house and injured herself severely. She needed immediate treatment. The girl’s mother, who was co-accused, didn’t have identification papers for the injured child, so they used another child’s ID.

This violation of the law was brought to the attention of the hospital management and police by the main accused’s ex-husband. Make a note to self: it’s illegal to use your Emirates ID for another person, however altruistic your motive is. Prosecutors charged her for illegally using her daughter’s documents to get treatment for another child.

NOTIFY A LOST CARD

Kaul says that the Federal Decree Law No. 2 of 2004 on the Establishment of Federal Authority for Identity and Citizenship along with its Amendments makes Emirates ID mandatory for all citizens and legal residents.

The purpose of the Emirates ID is also to protect the individual’s identity, thereby allowing him/her to access secure e-services, prevent identity theft and fraud, and act as a portable personal database. Considering the unique features

of an Emirates ID card, like the 15-digit unrepeatable identity number, the data-encrypted electronic chip, and other technological security features, it’s tough to make fake Emirates ID cards. However, these cards may get lost or stolen, giving crooks a window of opportunity.

In accordance with Decision No. 10 of 2016 on the Executive Regulations of the Federal Law No. 9 of 2016, the following

steps must be taken in case the card has been lost or stolen (Article 16):

- i) Notify the authority through one of the registration centres within seven days of the knowledge of such occurrence;
- ii) Apply for obtaining a replacement of Emirates ID upon paying the requisite fee. In a situation where such a person has found his Emirates ID after reporting the incident, he must keep the card



A lot of safeguards are built into your card. There’s a three-factor authentication system in the Emirates ID. The first is the ID card, the second is the PIN, and the third is your fingerprint. This three-way authentication is meant to prevent identity theft. “It is pertinent to note that there are times when not all three factors are required, and an individual who gets hold of your Emirates ID may misuse it, leaving its liability on the actual holder of the Emirates ID. The misuse of Emirates ID is rather restricted at the airport since the fingerprint of the ID holder is mandatory,” says Tulika Kaul, Legal Intern at STA Law Firm. She gives some tips on caring for your Emirates ID:

- 1 Do not erase, distort or tamper with the ID card;
- 2 Carry the Emirates ID card at all times, and produce the same as and when required by the law;
- 3 Adhere to the legal procedures and dates with regard to replacement, delivery or the renewal of the card;
- 4 Report any change in your details to the relevant and competent department within a month of such change;
- 5 Report lost and found to the Emirates ID service point;
- 6 Do not leave your Emirates ID with any entity or organisation unless there is a judgement or decision passed by a competent court;
- 7 Change the PIN frequently, using the card-reading programme offered by the Emirates ID authority. Of course, you should remember your PIN. If you enter the wrong PIN three times in a row, it will be deactivated and you will have to visit your nearest Emirates ID office to reactivate it.

“The system automatically links the visa with Emirates ID and residents do not need to approach their insurance company to update their Emirates ID details. These enhanced features are especially beneficial for companies with a large number of employees



SALEH AL HASHIMI

CEO of Dubai Health Insurance Corporation

on the condition he comes forth to the concerned registration centre to report the same, solely for the centre to take further necessary steps in this respect. If the replacement of the lost card has been obtained, he shall notify the registration centre of the same, as well as deliver the old card to be cancelled.

VIEW THE FUTURE

In Abu Dhabi, the licensing department of Abu Dhabi Police will start using Smart Driving Test vehicles to record mistakes made during driving tests. This is set to begin in December. The smart car is equipped with six cameras outside and three inside. “An Emirates ID reader is installed and linked to traffic police. The examinee is expected to insert his or her card for the details and driving test date,” says Hamad Al Hammadi, drivers’ inspector at the drivers’ licensing department of Abu Dhabi Police.

The Smart Gates System at Dubai International Airport is already being used, and will become more common in all airports in the country. With an Emirates ID card, a UAE resident can use any of the 68 Smart Gates located in the Arrivals



The licensing department of Abu Dhabi Police to roll out in December the Smart Driving Test vehicles. Emirates ID will be used to inform the officers about the person's details and driving test dates

and Departures areas across all three DXB terminals, and pass through passport control in just a few seconds. The system is the first of its kind in the region.

Now, you can also finish formalities for your bounced cheques (if worth less than Dh5200,000) in Dubai through your mobile phone, using face recognition and Emirates ID. You don't have to go to a police station. Fatima Ahmad bin Haider, IT director at Dubai Public Prosecution, said that a defaulter would receive a link on his or her mobile phone, enabling them to complete the formalities.

The Dubai Health Insurance Corporation (DHIC) has upgraded its online health insurance system. “The enhanced features will directly benefit insured members and sponsors by cutting down on the paperwork and providing them with smart solutions. It will do away with health insurance certificates being issued by unauthorised entities. The system automatically links the visa with Emirates ID and residents do not need to approach their insurance company to update their Emirates ID details. These enhanced features are especially beneficial for companies with a large number of employees,” says Saleh Al Hashimi, CEO of DHIC.

With all these measures, your Emirates ID card is soon to become your one-stop shop for all kinds of government transactions. Take good care of it.



UAE PASS, a national digital identity and signature solution

WHAT'S THE UAE PASS?

The UAE Pass is a collaboration between the Telecommunications Regulatory Authority and Smart Dubai that aims to provide a single trusted digital identity solution for various service providers in the UAE, while also maintaining a high level of seamless user experience and security assurance.

Residents may register by enrolling at one of the kiosks located across the UAE, and the application must be downloaded to use the website. It essentially is a digital identity that gives you access to various authentication and signature services within the UAE. It is pertinent to note that the Emirates ID is required to access this app.



Maysa Rashed Ghadeer is a prominent UAE writer interested in local affairs and a former member of the Federal National Council (FNC)

EVALUATING THE BEST AND THE WORST

When it comes to government service, periodic assessment incentivises good performance

His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, publicly announced the results of the assessment for federal ministries and other institutions in mid-September. The best-performing government service centres were honoured, while managers of the worst service centres were replaced for not meeting the Cabinet's aspirations and expectations.

Those who assess the efforts of the management realise the significance of this periodic review. It makes institutions more agile and competitive in terms of delivering a great performance.

Those who did not improve throughout the year can no longer return to work to catch up with what they missed administratively; instead, the evaluation gave the opportunity to others to lead and succeed.

The announcement surpassed public expectations from the UAE's wise leadership, as government institutions are dealt with transparency, without favour for any officials. The leadership is keen to keep services at a level that meets the ambition of this country and suits its achievements, leaving no room for irresponsibility. His Highness Sheikh Mohammed bin Rashid Al Maktoum conveyed this, saying, "We will present all our reports

transparently. We have to evaluate ourselves and our teams in a transparent manner because the cost of hiding errors is worse."

Neglecting the evaluation of departments, especially those that deliver poor performance, means significant losses to the country.

We will present all our reports with transparency. We have to evaluate ourselves and our teams in a transparent manner because the cost of hiding errors is worse

Poor management at customer service centres reduces the number of customers. This results in a huge loss for the UAE government departments, especially now that they have an open-door policy for all nationalities to invest money within UAE territory. This policy requires the delivery of quality services.

It is not easy to evaluate 600 service centres in the country; it requires teams to work closely and continuously. The evaluation process is unbiased and tasks are carried out properly.

The idea of evaluating and announcing the best and worst government service centres is

something that we have not heard about in other countries. The UAE, which has not exceeded the age of 48 years as a country, is looking forward to success in all areas.

Many institutions need a review, not only at the federal level, but at local level, too. Announcing the results is necessary to make everyone feel accountable, and to do their job properly in a country that accepts nothing but first place.

STUNNERS OF EXPO 2020

The pavilions for next year's World Expo 2020, to be hosted by the UAE, reveal wondrous imagination translating the show's three sub-themes. Here's the artist's impression of what you'll finally see

EXPO 2020 THEME

Connecting Minds, Creating the Future

SUB-THEMES

Opportunity
Mobility
Sustainability

EXPO BY THE NUMBERS

7

DAYS A
WEEK

15+

HOURS OF
ENTERTAINMENT
DAILY

192

COUNTRY
PAVILIONS

200+

RESTAURANTS

60

LIVE SHOWS
DAILY



IN PHOTOS:

Some of the wow-worthy pavilions of the world's greatest show

Here are a number of architectural marvels that are pushing boundaries in innovative and sustainable design



UNITED ARAB EMIRATES

The host country's pavilion is inspired by the flight of a falcon, the bird that symbolises the spirit of Arabia. The pavilion will tell the story of how the UAE became a connected global hub, driven by the vision of its leaders. The four-storey pavilion will have a total area of 15,000 square metres.



SAUDI ARABIA

The largest country in the Middle East is bringing to the Expo a 13,000 square metre pavilion, designed as a huge window opening up from the ground and soaring into the sky, the symbol of opportunity, which is the theme of the Saudi pavilion.



MOBILITY

This thematic pavilion showcases how people, goods, and even ideas move across the world. The story starts in 9th century Baghdad and arrives in the highly digitalised modern world. Robots and drones are expected to be around to meet and serve visitors.



SUSTAINABILITY

There's this huge giant fish that represents the endless consumption and pollution by the human race, decimating all the beauty of nature. This pavilion shows us the troubled present and offers guidance on building a better future.



RUSSIA

One of the most scientifically advanced countries in the world has a pavilion showcasing centuries of Russian knowledge. It takes visitors to the next level, where they'd experience the possibilities of tomorrow.



CANADA

Inspired by the pristine Canadian landscape and Arabic architectural elements, this pavilion is symbolic of the strong cultural and economic ties between Canada and the UAE.



UNITED KINGDOM

This pavilion is inspired by the ideas of scientist Stephen Hawking, who pondered how humanity could express itself to an extra-terrestrial civilisation. The main feature of the pavilion is a structure that looks like words radiating out into space.



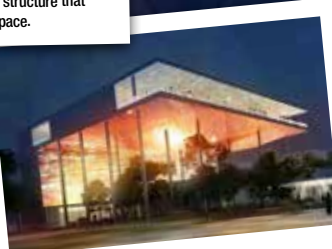
JAPAN

The pavilion's lattice exterior combines traditional Japanese and Arabesque patterns, paying homage to the ancient Silk Road trade route that connected the two regions. These two have contributed much to the world from ancient times.



AUSTRIA

This grandly European country, with its fabulously preserved heritage architecture and culture, is using 9,000-year-old soil to build its pavilion, which has 47 truncated cones. The structure will be ventilated through its innovative use of the cones.



FRANCE

One of the most remarkable countries in the world for its art and revolutionary ideas is represented through this pavilion inspired by the idea of light. The structure explores light as an enabler of progress, a vehicle for connections, a source of heat and for creativity.



PHILIPPINES

The pavilion has the natural, organic shape of the coral reef, or Bangkôta. The free-flowing, open spaces symbolise how Filipino culture embraces openness and meaningful encounters, and how it is connected around the world by travel, migration, and technology.



CANCEROUS IMPACT OF SOCIAL MEDIA

Ali Obaid is a veteran Emirati commentator and writer on local issues; he currently heads the News Centre at Dubai Media Incorporated

The obsession with likes and comments from online followers are driving young people to commit suicide. Parents and society as a whole must act to stop this

A 15-year-old British girl committed suicide because she did not have enough likes on social media and not enough engagement on Snapchat. This is a story reported by the British newspaper *The Sun* about Robbie Sibel. She spent up to eight hours a day on the Internet after school, until she began to suffer from mental health problems, and ended up sending a series of distress messages. "I might kill myself this morning," she said. When no one answered her, she did it.

Robbie was found dead by her twin sister during the school break. Their mother Jolie, a 42-year-old from Cumbria in northwest England, said that social media had killed her daughter and that it was "like drugs". Jolie said that she had tried to disable the Wi-Fi network, confiscate Robbie's mobile phone, and browse through her messages in an attempt to stop the addiction, but this did not work. Snapchat's 'Streak' feature, which creates quick shots exchanged between friends for days in a row, reportedly increased her addiction.

Halfway across the world, on Borneo Island, Malaysia, a 16-year-old girl committed suicide after her followers on Instagram discussed her fate, and most of them asked her to kill herself. According to the *Independent* newspaper, the teenager went to her fans on the popular networking site, saying: "Very important. Help me choose between death or life." The Internet users voted 69 per cent in

favour of death. Then the girl ended her life by jumping from the third floor of her building.

She appeared to be suffering from depression, according to reports. She had already posted several times on social networks, suggesting she was about to do something. Malaysian authorities have called for an immediate investigation into the case; this could lead to a lawsuit against all the participants who voted.

The impact of social media has exceeded our foreknowledge of its danger. It has now become life-threatening, ending lives in dramatic ways that compete with crime films

This and other news about the negative impact of social media on young people lead us to review this topic and to address it again. The impact of social media has exceeded our foreknowledge of its danger. It has now become life-threatening, ending lives in dramatic ways that compete with crime films.

The films no longer frighten us when compared to this bitter reality that robs children's lives at an early age, rather than let them bloom like flowers, vivid and full of joy.

"More likes" is no longer just a wish or desire amongst social media account holders, especially teenagers. It has

become an obsession that can kill many of our young men and women before they cross the threshold of this life stage. This is a grave concern for many parents, who are no longer in control of their children. It has turned into a cancer that is difficult to fight.

Therefore, paying attention to this phenomenon is the only pill to stop its devastating risks.

The views expressed by 999 columnists are their own and do not necessarily reflect those of the Ministry of Interior



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PORSCHE

BEAT DIABETES

THREE THINGS CAN PREVENT WEIGHT GAIN AND A VERY DAMAGING DISEASE. WORLD DIABETES DAY, NOVEMBER 14, REMINDS US THAT A LITTLE EFFORT CAN GO A LONG WAY

BY DIPALI GUHA

If you've been thinking for a while about transitioning into a more active lifestyle, now's the time to get started.

The UAE leadership has long been advocating fitness – the sports enthusiast His Highness Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Crown Prince of Dubai and Chairman of Dubai Executive Council, has been a role model in this regard for His Highness' staunch view that physical activity prevents many illnesses and a healthier population is great for any country.

Two of the major health concerns in the UAE are obesity and diabetes. Gorging themselves on junk food and with a sedentary lifestyle, people put on weight fast and that in turn results in the onset of high blood sugar.

This is something to think about on World Diabetes Day, November 14. The website diabetes.co.uk explains: "Studies suggest that abdominal fat causes fat cells to release 'pro-inflammatory' chemicals, which can make the body less sensitive to the insulin it produces by disrupting the function of insulin responsive cells and their ability to respond to insulin. This is known as insulin resistance – the hallmark of type 2 diabetes."

So, then, if you've been gaining belly fat, that'd do more damage to your health than merely ruining the fit of your newly purchased stylish clothes. Here are some things you can do to target excess weight in general and abdominal fat in particular.

1 SLEEP TO STAY SLIM

Sleep for a minimum of six hours every night; ideally this should be eight hours. Lack of sleep tends to disrupt metabolism and increase your appetite for high-calorie foods, leading to weight gain. A Mayoclinic.com blog by certified dietician Katherine Zeratsky says: "Research suggests an association between sleep restriction and negative changes in metabolism. In adults, sleeping four hours a night, compared with 10 hours a night, appears to increase hunger and appetite – in particular for calorie-dense foods high in carbohydrates. Observational studies also suggest a link between sleep restriction and obesity. Other studies have found similar patterns in children and adolescents.

"One explanation might be that sleep duration affects hormones regulating hunger – ghrelin and leptin. Another contributing factor might be that lack of sleep leads to fatigue and results in less physical activity," Zeratsky explains.



2 GET A PROPER BREAKFAST

You need to eat to keep your weight under control. There's a reason why breakfast is called the most important meal of the day. Eating some proper food within 60-90 minutes of waking up kickstarts your metabolism and encourages the body to burn fat through the day; otherwise the body goes into 'famine mode' and hoards any calories you consume later. By proper food we don't mean the nearest bag of salted potato crisps; we mean a couple of slices of toast, some oats, fruits, and so on. Hard pressed for time? Keep fruits cut at night and sealed in an airtight container in the fridge. In the morning, toss the fruits into the blender with some yoghurt to make a fibre-rich smoothie.



3 STRETCH, MOVE, AND BURN BELLY FAT

In the modern world, we spend so much time just sitting: in a car, at the office, and at home. This posture becomes unhealthy if we hold it for a long time. Those of us who don't move around much may notice fat stubbornly piling up around the belly. We may also find that despite cutting down on fatty food, the belly fat refuses to disappear. So, how to do it right? To begin with, allot 10 minutes a day for a mini-workout.

No need to run a mile on the treadmill if you aren't comfortable with that. Do some basic stretching exercises, like toe touching and invisible ball passing, both of which can shake up belly fat and strengthen midriff muscles.



Straight toe touching

Stand straight with your big toes about 6 inches apart; raise your arms straight above your head, in the same straight line as your shoulder; bring your arms down together and try to touch your big toes with your index fingers, without bending your knees; straighten up keeping your arms extended straight above your shoulders; repeat this 20 times. If you can't reach your toes the first few attempts, don't despair; keep trying a few times and you'll get there as your muscles warm up. This is a great exercise for spinal strength and stomach muscles.

Crossover toe touching

This exercise also involves touching your big toes with your fingertips. But instead of standing straight, you stand with your big toes apart about 24 inches, and then, without bending the knees, you touch your left big toe with the right hand and your right big toe with the left hand. Do this for 20 times, continuously; then straighten your torso and take a few deep breaths; repeat the set of 20. This strengthens your back muscles and leg muscles and dislodges some of the stubborn fat clinging to your sides.

Invisible ball passing

Stand with your feet apart 18-24 inches, then put your hands in front of you as if you're holding an invisible football (though you could use an actual football, if you have one). Now, keeping the hands in the same position, twist left as if you're passing the ball to someone behind you; keep holding the invisible ball, swivel your body back to the starting position; then twist right, again as if you're passing the ball. Return to the starting position, and repeat 20 times, all the while holding the invisible ball.

When twisting left and right, allow your heels to be lifted slightly off the ground to maintain your balance, but don't shift your feet from their starting position.

It doesn't take a big gym membership to melt fat. Lifestyle discipline and consistent exercise – even a small workout – are far more important. With those, you'd look good and avoid a dreaded disease, too. It's a win-win for you.



BE ALERT TO PREDIABETES RISK



The Centres for Disease Control and Prevention in the US, says: "You can have prediabetes for years but have no clear symptoms, so it often goes undetected until serious health problems such as Type 2 diabetes show up. It's important to talk to your doctor about getting your blood sugar tested if you have any of the following risk factors for prediabetes



Being overweight



Being physically active less than 3 times a week



Being 45 years or older



Ever having gestational diabetes or giving birth to a baby who weighed more than 9 pounds



Having a parent, brother, or sister with Type 2 diabetes



Having polycystic ovary syndrome

Did you know?

Some 2,000 years ago, the Greek physician and philosopher Galen diagnosed "bad humours" as the cause of obesity. To reverse this, he prescribed massage, baths, and "slimming foods" like greens, garlic, and wild game for his overweight patients.

Galen was known for his essential loyalty to humoralism. Deeply respected for his diagnostic skill, he was celebrated for his differential diagnoses, especially for those illnesses traceable to organic causes.



The colours of winter

BIG EVENTS SUCH AS AN F1 GRAND PRIX AND A FOOD FESTIVAL ARE BALANCED BY THOUGHTFUL ART SHOWS

BY DIPALI GUHA



F&B fiesta

TASTE OF ABU DHABI

Calling all foodies! Taste of Abu Dhabi will showcase some of the city's best restaurants, top chefs, including live music and leading food and beverage brands. Discover the latest and most exciting restaurants from the region and get a taste of signature dishes. Get a hands-on experience with interactive masterclasses and shop from an array of local and international food manufacturers.

Where: du Arena, Yas Island

When: November 7 (4pm-11pm); November 8 (12 noon-11pm); November 9 (12 noon-11pm)

Tickets: Dhs137-290

Website: www.ticketmaster.ae/event/taste-of-abu-dhabi-tickets/7925



Your heart will be racing

FORMULA 1 ETIHAD AIRWAYS ABU DHABI GRAND PRIX 2019

Now in its eleventh spectacular year, the Formula 1 Etihad Airways Abu Dhabi Grand Prix will be the last one of the 2019 racing season, and could potentially decide the

prestigious F1 driver's championship title once again. Aside from the racing action, visitors will be treated to a packed programme of entertainment, including world-class, A-list musical artists at the after-race concerts, and Oasis areas in all public sections boasting a wide range of exhibitions, challenges and games to keep the whole family amused. Yasalam, the largest city-wide entertainment festival and musical experience run by any international race host city, also marks its return for the eleventh year.

Where: Yas Marina Circuit, Yas Island

When: November 28-December 1, 2019

Tickets: Dhs999 (general admission); Dhs2,425 onwards (packages)

Contact: 800-YAS (927), +971 2 6599800

You gotta run!

CITY RUN: RACE ONE

The City Run series lets you discover the heart of Abu Dhabi. This race starts from near Marina Mall and ends right outside the Abu Dhabi International Marine Sports Club. Come and participate in this exciting event or simply cheer competitors on as they take on the looped course. Runners can choose to run 2.5km (single lap), 5km (2 laps), or 10km (4 laps). The event schedule is as follows: 5:45am-6:45am: Registration; 7am: 10km run begins; 7:05am: 2.5km and 5km runs begins.

Where: Marina Mall

When: November 8, 2019; 5:45am onwards

Registration fee: On request

Contact: +971 2 4088999 / 4088998





Faces from the past

CHARACTERS FROM THE 20TH CENTURY PROGRAMME

Learn about the people of the 20th century and the daily practices that took place at Qasr Al Muwaiji through the performances of silent scenes at the exhibition, presented by the Department of Culture and Tourism Abu Dhabi.

Where: Qasr Al Muwaiji, Al Ain

When: On till November 16, 2019; 10am-1pm

Entry: Free

Contact: Tel: 037674444

A celebration of childhood

THE TIGER WHO CAME TO TEA: A CHILDREN'S PLAY

The award-winning stage adaptation of Judith Kerr's bestselling children's book is being brought to life on stage in the UAE by the original London cast. This energetic ensemble will deliver a lively, delightfully hyper-real and utterly enchanting adaptation. This tale celebrates childhood, imagination, and fun and has been dramatised by acclaimed children's theatre director, David Wood.

Where: Abu Dhabi Theatre Breakwater

When: November 15, 2019; shows at 2pm and 4pm

Tickets: Dhs120-160

Website: www.artforall.ae



Platform for global art

ABU DHABI ART 2019

Abu Dhabi Art is back and will present innovative and established galleries from around the world. This popular art fair serves as a modern and contemporary platform with public programmes, besides featuring a variety of works, from museum-quality pieces to works by emerging artists.

Where: Manarat Al Saadiyat, Saadiyat Island

When: November 21-23, 2019; 2pm-9pm

Tickets: Dhs45 (early bird); Dhs55 (regular); complimentary passes for university and school students and for children below 7-years-old

Website: www.abudhabiart.ae



Treasures of the soil

AGRICULTURAL PRACTICES AT THE OASIS

Celebrate the invaluable contribution of Al Ain's oasis farmers as they showcase their traditional farming methods. Known as a UNESCO World Heritage Site, the Al Ain Oasis houses up to 100 different varieties of vegetation that surround the 3,000-acre oasis, with operating farms on widespread plantations. The site is shaped by 'falaj', the UAE's traditional irrigation system. This programme (held on Mondays) introduces visitors to the UAE's home-grown crops and related agricultural professions.

Where: Al Ain Oasis


When: On till November 25, 2019

Entry: On registration

Contact: Tel: 024440444, 037118251



RIDDLES IN SERIAL MURDER



THERE'S MURDER FOR MONEY, REVENGE, OR LUST, AND THEN
THERE'S URGE TO KILL. ONCE THESE SERIAL KILLERS SNUFFED
OUT THEIR FIRST VICTIM, THEY WERE ON A ROLL – UNTIL THE
LAW GOT THEM

BY DIPALI GUHA

WHO: JOLLY JOSEPH
WHERE: KERALA, INDIA
WHEN: 2002-2016

Think serial killer and you'd normally imagine a violent man breaking into homes in the middle of the night. You'd never imagine an attractive young woman like Jolly Joseph of Kozhikode, Kerala. Now 47, Jolly – who really looks like a cheerful person in her photographs – is accused of poisoning six members of her own family between 2002 and 2016, for which she was arrested in October 2019. While investigation continues, there have been several reports of Jolly confessing to the killings, which were most likely committed by cyanide poisoning. Some reports have quoted special investigation team officers as saying that Jolly might have planned more murders.

The story unfolded in the village of Koodathayi. The first victim was Anamma Thomas, a retired teacher, who died in 2002. Next, her widower husband Tom Thomas died in 2008. More deaths in the family followed: son Roy Thomas (the first husband of Jolly) in 2011; Anamma's brother Mathew in 2014; a relative named Sily and her infant daughter Alphine (the late wife and child of Shaju Scaria, who then became the second husband of Jolly) in 2016.

All of these people had died under mysterious circumstances. What put the suspicion on Jolly was that she was the common factor – always present – when these deaths occurred. While she is the prime accused in the case, a friend (also named Mathew) and a jewellery company employee (named Praju) are co-accused for procuring cyanide. Potassium cyanide, a highly toxic substance, is often used in jewellery making, and is thus easy to get for someone in the industry. As for Jolly's motive, the investigators believe that it could be a combination of greed for property and for power in the household, along with the pleasure



of seeing people die.

Reports have revealed that Jolly's sister-in-law Renji – she is the wife of Rojo Thomas, the brother of Roy Thomas – also fell seriously ill but escaped death after getting immediate medical attention. Rojo was the one who filed a complaint, after becoming suspicious of Jolly's controlling behaviour, that led to a fresh look at Roy's death.

Some in-depth reports on the case said that Jolly was emboldened by her first alleged kill, Anamma. When six years passed and no one questioned her, she allegedly made another kill, Tom. And thereafter, the interval between deaths came down to three years or less.

Since the victims are dead and buried, the investigators planned to exhume the bodies and look for cyanide traces in the remains, which would be sent to labs in the United States and the United Kingdom. There was also a move to make Shaju Scaria a witness for prosecution.

Meanwhile, media reports said that Jolly's neighbors liked her very much as she was a church regular. Even after her in-laws died abruptly within six years of each other, no one suspected that Jolly might be anything more than the people-friendly person she appeared to be.

WHO: SAMUEL LITTLE
WHERE: UNITED STATES
WHEN: 1970-2005

Recently labelled "the most prolific serial killer in US history", Samuel Little, now aged 79, has now been connected



to at least 90 murders across the country, of which about 50 have been confirmed by investigators.

Imprisoned in California since 2012, Little has been questioned for several years by investigators. Over the past two years, he has confessed to beating and strangling

more than 90 women between 1970 and 2005. He usually picked homeless, runaways, drug users, or women so invisible and obscure that made it hard for detectives to get their real names. When Little began his killings almost five decades ago, today's sophisticated DNA analysis technology wasn't available, and many of the deaths – the bodies were found half-buried usually close to highways – were attributed to accidents or drug overdoses.

It was in 2012 that Little was tracked down, after DNA tests linked him to three murders. In 2014, he was convicted and handed three consecutive life sentences. Now, the list of his victims has grown much longer. Videos released by the FBI show the murderer smiling as he speaks of how he killed women in several states. His confessions have enabled the investigators to close a number of old cases.

WHO: NIELS HOEGEL
WHERE: OLDENBURG AND DELMENHORST, GERMANY
WHEN: 2000-2005



Niels Hoegel worked as a male nurse at clinics in two German towns. But when he administered medication, he wasn't doing what a nurse should do to patients – he wasn't

healing, he was killing. In October 2018, prosecutors said that Hoegel had, between 2000 and 2005, killed at least 100 people at the two clinics.

Hoegel, already serving a life term for patient-related death, reportedly confessed to his serial killing when the 2018 trial opened. The nurse had been caught in 2005 while giving a patient an unprescribed injection. He was arrested, tried, and in 2008, sentenced to seven years in prison for attempted murder. Families of other dead patients forced another trial in 2014-15, and Hoegel was judged guilty of murder and attempted murder of five others, then given the maximum sentence of 15 years.

During his prison stay, Hoegel talked to his psychiatrist about at least 30 more murders. That prompted investigators to reopen some old cases of patient deaths at the clinics where he worked. In the courtroom, when asked if the charges against him were accurate, the former nurse said, "Yes." Investigators said that the case was "unprecedented in Germany to our knowledge".

WHO: ALEXANDER PICHUSHKIN
WHERE: MOSCOW, RUSSIA
WHEN: 1992-2006

The nation of Russia is famous for its world champion chess players. But the kind of chess that Alexander Pichushkin played didn't have any rules – or mercy. This serial killer, convicted for almost 50 murders, wanted to snuff out 64 people, one for every square on the chessboard. His rage and urge to kill has been attributed to a childhood head injury. Whatever the cause, Pichushkin first killed in 1992 and then committed a few more murders by 2001, at which point he became a regular predator, prowling around Moscow's Bitsevsky Park, looking for prey.

At first, most of his victims were physically weak (older) and socially weak (homeless). Pichushkin offered them free drinks; they accepted and walked unsuspectingly to their death. The serial killer's modus operandi was to let them become completely intoxicated and then kill them with hammer blows to the head. He developed a signature: pushing bottles into the hammer-made holes in their skull. Later, the killer 'diversified' and picked younger men, women, and even children as his victims, usually attacking from behind.

Until the killer's identity became public, he was given the nickname 'The Maniac' by people, who became terrified by the mysterious disappearances. The Maniac was described

fearfully as a faceless creature that grabbed people at night.

However, the killer was in reality a very ordinary-looking person with a day job at a grocery store.

This dreadful game of chess came to end when Pichushkin asked a woman from his store to come and see his dog's grave in the woods. The woman went with him, but also let her son know where she was going, and gave him Pichushkin's number. When she didn't come back, police began looking into it, and camera footage led them to Pichushkin. He gave the police all the details of his killings, showing off the chessboard on which he marked his murders. He eventually got a life sentence, including 15 years of solitary confinement.





THE FEAR OF SPINSTERHOOD

SOCIAL PRESSURE TO MARRY LEADS AN ACCOMPLISHED WOMAN TO WALK INTO A TRAP OF DOMESTIC ABUSE

BY WAGIH HASSAN

A decent girl who scored an 'A' grade in accounting, Reem loved learning since she was a child. Graduating with a good degree, she was looked at with respect by her parents, siblings, relatives, and friends.

Now, armed with a degree, she decided to look for a job – she had prepared herself well for a professional life by studying the English language and taking computer courses to excel and meet all market requirements.

The person who got her news of a good position was her uncle husband, Nayef. He spoke of a vacancy in the accounting department of the company where he himself worked.

Reem felt happy. She had always dreamed of having a good job, both to keep herself gainfully occupied and also to reciprocate what her parents had done for her and her siblings. Her three brothers were all married and living in other cities. So, Reem thought that she'd now take care of her parents, since her father, a simple company employee, and her mother had dedicated their lives to send her to university.

In her new organisation, Reem proved herself to be very worthy and got promoted to the position of Head of the Accounting Department within a few years time.

Since her monthly expenses and the sum of money she allocated for parents didn't exceed one-third of her salary, Reem made an investment plan: she opened a bank account, deposited any extra cash in it, and then used her savings to buy gold. She was a wise young woman who believed in the saying: "Days are merciless and life is treacherous."

A few years passed, Reem continued to head the accounts department and became one of the most trusted people in the company. She was respected by the company's owner and all the employees, thanks to her discipline at work.

Although she saved some cash and bought a great deal of gold, Reem was not happy as she reached her thirties and she

was still single. She'd feel bothered whenever her colleagues brought up the subject of marriage and spoke of how children changed parents' lives by bringing joy to homes.

Reem was now 35, and her talkative neighbour Umm Ali would always make her feel uncomfortable by blathering almost nonstop about "spinsterhood".

The only person who showed a romantic interest in her was Obaid, 50, another employee of her company and a divorced man. She didn't know the reasons why his first marriage ended.

“

She'd feel bothered whenever her colleagues brought up the subject of marriage and spoke of how children changed parents' lives by bringing joy to homes

Then Obaid proposed to her. At first, she was insulted by his proposal, because at work, she was a much higher-ranking employee. Feeling offended, she rejected him.

But a few days later, with the advice and persuasion of her colleagues, Reem accepted Obaid as her fiancé, driven mainly by the fear of "spinsterhood" and the nagging of Umm Ali.

This, even if she had often observed Obaid saying hurtful things about their co-workers. And when they complain, he would claim he was merely joking and they're too sensitive. Reem thought that this behaviour could be an

early sign of something else about Obaid but she let all this fly under her radar.

For their special day, Reem paid for all the wedding expenses. She also furnished their marital home. Months after their wedding, she was burdened with paying all the household bills. In front of her parents, she put up a brave face, saying, "Mum, dad, Obaid and I are one. He is my partner."

But in truth, Reem was getting fed up with Obaid's irresponsibility and bad behaviour. He would hang out and gamble with his friends, threatening and forcing her to give him more and more money. All her hard-earned savings were going down the drain, as Obaid gambled and lost repeatedly. This, she figured, must have been the reason why his first marriage collapsed.

One night, Reem caught Obaid trying to steal her gold. "What are you doing?" she shouted. And he immediately began hitting her.

Obaid was raged when Reem threatened him that she would report to the police that he tried to steal her gold. When public disgrace and jail came to his mind, he tried to choke Reem to death to cover up his bad deeds of theft and gambling.

The neighbours, who had at first thought this was a normal quarrel between a couple, felt alarmed when Reem suddenly went silent. One of them rushed to their house and knocked on the front door to check on Reem but to no avail. They also called police but since no one opened the door when the cops arrived, the authorities had to get a warrant.

The country's laws clearly state that physical violence isn't acceptable. A victim of domestic violence can therefore sue an abusive spouse.

Eventually, Obaid was arrested, tried in court, and jailed for attempted theft and attempted murder. He went off to serve a long sentence.

Reem got the right of divorce. She realised that no amount of social pressure or labels should push anyone into marriage—something that every woman should know.



ART THERAPY

Dr Samar Al-Shamsi is an internationally respected artist who is renowned for her commissioned portraits of high-profile individuals, including the late Sheikh Zayed bin Sultan Al Nahyan, UAE President His Highness Sheikh Khalifa bin Zayed Al Nahyan, US President Barack Obama, and others.

Drawing is an important tool of psychoanalysis, as it helps children and adults express their emotions and personality traits

Art and pattern drawing therapy are a winning combination amongst education experts nowadays because it's proven effective to help children release their emotions. Psychologists, autism, and depression specialists also corroborate this fact.

Through drawing, children and adults alike can express their feelings. The patterns they use say much about their self-esteem level, their need for fun, their anger, or agitation. Onto paper, they get to communicate all that they fail to convey to others or what others do not grasp. Their patterns or drawings thus become meaningful to some and meaningless to others, requiring an explanation of what lies behind them or an analysis by a psychologist to determine the child's personality traits and emotions.

A drawing is a work of art that a child uses to express himself/herself as an alternative to language or verbal expression. It also reflects the child's true emotions towards others. Hence,

drawing is a means of communication that links a child to his/her surroundings.

Recent studies unanimously agree that a child's inclination to freestyle

Children resort to drawing not to only express suffering but also to draw an entire future with their tiny hands

drawing helps psychologists to explore their subconscious side, determine their problems, and what they are going through. Such an art type also allows them to have a look into a child's tendencies, orientations, interest in

certain subjects within their environment, and their relation with others, be it family, friends or adults.

Therefore, art therapy serves as a tool through which a child releases their emotions, and it has become a psychoanalysis method used by doctors to look for pent-up emotions in children. At first, children might find it difficult to let out what they feel, but they soon work it through drawing. Modern drawing techniques, like drawing apps on the computer or graphics pads with a stylus replicate hand-drawn art. Thus, the child gains more skills than those they get from the conventional pen and paper.

Last, children resort to drawing not to only express suffering but also to draw an entire future with their tiny hands; they could depict with a pen and a paper all their dreams and wishes.

Art therapy, more specifically drawing, has become one of the latest therapeutic tools in our times used by doctors to treat children and adults alike.

The views expressed by 999 columnists are their own and do not necessarily reflect those of the Ministry of Interior



The Louvre Abu Dhabi, UAE

Building the Future

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THE DYNASTIES OF MOROCCO

WE LOOK AT A BRIEF POLITICAL HISTORY OF THE
COUNTRY, BEFORE GOING ON THE JOURNEY DESCRIBED
IN A FRENCH TRAVELLER'S BOOK

BY DR FALEH HANDHAL



In the early 20th century, French traveller and author André Chevrillon visited Morocco and then described his experience in a book that serves more of a literary account than a political and historical account.

Chevrillon visited in 1905, during the reign of Sultan Abdulaziz ibn Al-Hassan I, who ruled the country from 1884 to 1907 and was a descendant of the Alawite state that exists until today. His book, titled *Journey to Morocco*, translated by Dr Farid Zahi, was published by the Department of Culture and Tourism – Abu Dhabi in 2010.

The author's account of Morocco is mostly concentrated on describing Fez city and his meeting with Sultan Abdulaziz. That is why, we shall look at a brief history of Morocco before going through the pages of the book.

HOW IT ALL STARTED

The history of Morocco and the sequence of its dynasties and rulers are linked to the conflict with the European forces – mainly Spanish and Portuguese. At one point, parts of Spain and Portugal were in the hands of Arabs, who also lost battles against Spanish and Portuguese troops. This was due to many conflicts that led to the emergence of some sects,



André Chevrillon

and drove the Moroccan Almoravids to strike the Spaniards forces.

ALMORAVID STATE

This dynasty emerged around the year 1060 AD and lasted more than a hundred years. The Almoravids derived their name from Rabat or the fort they built, the city of Rabat, the capital of the current state. They also built the city of Marrakech and made it their capital.

At that time, Commander Yusuf ibn Tashqin appeared as the ruler of Morocco.

By then, Andalusia had fallen into the hands of King Alfonso VI, who had strengthened his forces with those of the king of France. This prompted Motamed ibn Ibad, king of Seville and the chief of the kings of the sects, to go to Morocco and seek assistance from its ruler Yusuf ibn Tashqin.

The ruler formed a force of about seven thousand soldiers, who crossed the sea in Rabi I 479 AH or June 30, 1086. Motamed and Yusuf met in an area called Zalaqah, where Alfonso was seriously wounded in battle and had to flee with his army towards Toledo.

Before Yusuf returned to his kingdom in Morocco, he gathered the kings of the sects and advised them to come to an agreement. He also left an army unit of three thousand soldiers to fight under the command of Motamed ibn Ibad.

In 1106, Yusuf ibn Tashqin died and was succeeded by his son Ali ibn Yusuf. Ali was then succeeded by Tashqin, and when the latter died, the dynasty weakened and fell eventually. This happened in 1150, when the Almohad state emerged.

ALMOHAD STATE

The first leader of the Almohads was Abu Abdullah Al-Mahdi Muhammad ibn Toumert, who declared himself infallible and nicknamed 'Al-Mahdi'. His colleague



Panoramic view of today's Medina in Fez



Madrasa al-Attarine in Fez

“

MANSOUR RETURNED VICTORIOUS TO SEVILLE AND BUILT THE GREAT MOSQUE THERE, BEFORE HE RETURNED TO HIS CAPITAL MARRAKECH

in the jihad was Abdelmoumen ben Ali Koumi, who became the ruler of the Almohad state and managed to occupy Marrakesh and arrested Ishaq bin Ali bin Yusuf bin Tashqin. He announced the establishment of Almohad state in 1150.

When he heard that the rulers of the sects in Andalusia had returned to their previous differences, he formed three armies that crossed the sea over to Europe and began attacking. Seville and Granada fell under the advancing army. Then, as he returned to the African continent, he turned his attention to the Maghreb region, occupying Algeria, Tunisia, and some parts of Libya.

The Almohad state thus extended from Tripoli in the east to Marrakech in the west and up to Andalusia and parts of Portugal. This leader died in 1162 and was succeeded by his son Abu Ya'qub Yusuf ibn 'Abd al-Mu'min, whose leadership resembled like his father in his war against the Spanish and the Portuguese

forces. However, he was killed by a poisoned arrow in a battle near the Portuguese city of Santarém in 1184.

He was succeeded by his son, Abu Yusuf Yaqoob, known as Mansour. In his time, Tunisia and some parts of North Africa revolted against him. A crusade heading to Jerusalem to fight the Arabs was stopped in 1189 in Portugal. The city of Chalab was taken from Arabs, which pushed Mansour to go there to fight the crusaders in 1194. Mansour returned victorious to Seville and built the Great Mosque there, before he returned to his capital Marrakech. He died in 1198 and was succeeded by his son Abu Abdullah, nicknamed 'Al-Nasir' of the religion of Allah.

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AL-NASIR'S DEATH MARKED THE BEGINNING OF THE FALL OF THE ALMOHAD STATE, AFTER WHICH THE STATE OF BENI MAREEN EMERGED

Al-Nasir then ruled the Maghreb region and faced a separation movement in Tunisia. Meanwhile, Alfonso VIII, who had not forgotten his defeat in the battle of Ark, mobilised his armies in cooperation with the Fifth Crusade, to gather a great army in Toledo. Al-Nasir confronted them at a place called Las Navas de Tolosa, which Arabs call 'Punishment'.

The Arab leader was in command of a hill overlooking the battlefield, but the European forces soon took advantage and control of the battle. The fight ended in a crushing defeat for the Moroccan forces; they fled, leaving thousands of casualties behind.

The ruler returned to Marrakech grieving this unfortunate defeat, stayed in his palace and died seven months after this ill-fated incident, which wiped out the existence of Arabs from Andalusia. Al-Nasir's death marked the beginning of the fall of the Almohad state, after which the state of Beni Mareen emerged.



Exquisite tilework detail in Moroccan mausoleum



Traditional leather tannery in Fez

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AS THE PORTUGUESE
EXPANSION BEGAN ON
MOROCCO'S ATLANTIC
COAST, ITS FORCES
LOOKED FORWARD TO
SEA ACCESS TO INDIA,
UNTIL VASCO DA GAMA
WAS ABLE TO GET
THERE IN 1498

MARINID STATE

The Marinid state emerged amid tough circumstances. The statesmen became political rather than military leaders, using diplomacy in their political affairs. Its first king Ya'qoub ibn Abdulhaq was called Abu Yusuf.

The kingdom then went through severed relations with Spain. Also, the Hafsid state in Tunisia stood against the kingdom. Finally, this state suffered a setback when Portuguese forces managed to occupy the Moroccan city of Ceuta under the reign of Sultan Abu Said Othman Al-Marini in 1415. The fall of Ceuta was the beginning of a political weakness

in the Maghreb as a result of the Spanish-Portuguese alliance back then.

In 1420, a revolt erupted in Morocco, in which Sultan Abu Said Al-Marini was killed. His minor son, Abdulhaq ibn Abu Said Al-Marini, took over and people chose Abu Zakaria Al-Wattasi to serve as the senior minister and to be the regent. Al-Wattasi began his mission by declaring war against the Portuguese forces and quickly formed a campaign that he led himself. His army attacked Ceuta, but failed to recapture the city. Portugal also prepared a campaign to occupy Tangier in 1436, which Al-Wattasi resisted. This earned him respect and a

great reputation, but he was assassinated in mysterious circumstances in 1448.

In 1465, Sultan Abdulhaq ibn Abu Said Al-Marini was assassinated and the whole state fell into chaos. Later on, minister Mohammad ibn Al-Sheikh Abu Zakareya managed to occupy Fez in 1472, and the Wattasid state was established, ending the reign of the Marinid state.

As the Portuguese expansion began on Morocco's Atlantic coast, its forces looked forward to sea access to India, until Vasco da Gama was able to get there in 1498, allowing Portugal to conquer parts of western India and some other eastern countries.



Old photo in Morocco

[illegible]

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TAKE A PEEK AT THE NEWEST MUST-HAVE HIGH-TECH ELECTRONIC DEVICES

EARBUDS FOR ALL YOUR OFFICE WORK

These aren't earbuds designed to become 'hardly there'; these are designed to turn heads when the wearer walks into a room. The **Microsoft Surface Earbuds** look almost like a pair of tribal ornaments, with their big, flat, glossy exterior. And the interior technology brings you a power-packed punch of not only great sound but also a bunch of Microsoft functions required for day-to-day work. The sound is what Microsoft calls 'Omnisonic', and the earbuds offer screen-free Office 365 integration. You get voice-powered access to Outlook and live on-screen captions and translations in PowerPoint. With a couple of taps on the earbud surface, you can take a call without reaching for the mobile phone, and the same thing works for music control. The lightweight charging case – only 40gm – boosts battery life from 8 to 24 hours, and the buds themselves weigh just 7.2gm each. Included are three pairs of silicone ear tips.

Website: www.microsoft.com
Price: \$249 (Dhs914)



IS IT A MOBILE PHONE OR A LAPTOP?



Website: www.microsoft.com
Price: TBA

Since a flagship mobile phone can no longer be just a phone, even if it has a great camera, dual-screen devices that can double as mini laptops are becoming the new normal in the tech universe. One such new device is the **Microsoft Surface Duo Phone**, its first mobile phone in the post-Windows OS era. Running on Android, not Windows 10X, this device will be available soon. You can use it as a mobile phone, of course, but this device has two slim 5.6-inch screens that unfold, flatten out, and form an 8.3-inch computing surface. The 360-degree hinge can be bent completely outwards, enabling you to take a call. When you want to use it as very small laptop, one of the screens turns into a touchscreen keyboard. Perfect for those who want to travel very, very light and still get some work done.

ENTRY-LEVEL CHAMP

E-commerce giant Amazon has debuted its first true wireless earbuds, called the **Amazon Echo Buds Earphones**, and they offer a lot: hands-free control of Alexa; support for Siri and Google Assistant; Bose Active Noise Reduction Technology. The sweat-resistant design makes the gadgets ideal for workouts. The battery life is 5 hours, and can be powered up to 20 by the charging case. An audio passthrough feature keeps you connected to your surroundings, should you want that.

Website: www.amazon.com
Price: \$130 (Dhs477)



KNOW (ALMOST) EVERYTHING



Don't we just often look at a successful business or a life skill and go "Sigh! If only I could, too." You can, actually. The **Knowable** app brings you courses for many things: from becoming an entrepreneur to simply sleeping better. Each course is led by experts in the field, who offer guidance that's both friendly and researched thoroughly. For instance, Reddit co-founder Alexis Ohanian leads the Entrepreneurship course and talks frankly about the crushing rejection he faced before being able to launch a very influential website. The app creates immersive, screen-free learning experiences; you can continue listening while taking a walk or having your morning coffee. The app is free to download; courses start at \$100 (Dhs367) each.

Website: knowable.fyi

Price: From \$100 (Dhs367) per audio course

ACTION FACE-OFF

Here are two new, improved action cameras that could help you capture all your outdoor moments.

The **GoPro Hero Max Camera** is a new 360-degree camera from a brand that has become the generic name for action cameras. It can serve as a single-lens camera and front-screened vlogging camera, as well as a dual-lens 360-degree cam. The device has Max HyperSmooth video stabilisation, four digital lenses, in-camera processing of 360-degree content, a Reframe feature, and six mics. The body is waterproof up to 16 feet and has built-in mounts for connecting to GoPro accessories.

Website: gopro.com
Price: \$500 (Dhs1,836)



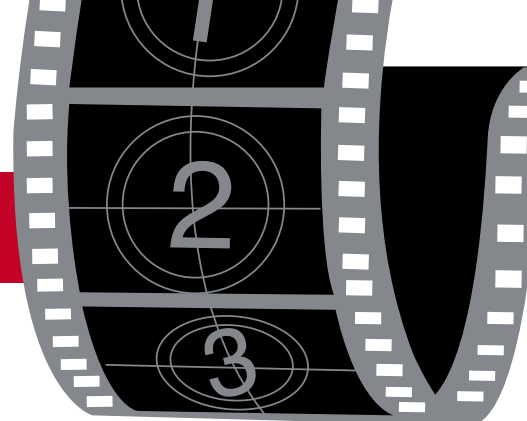
The **Oclu Action Camera** is a worthy rival to GoPro. The intuitive cam has an aerodynamic design and state-of-the-art processors, letting you film in 4K at 30fps or 1080p at 120fps. The camera promises a high degree of image stabilisation and a body that's IPX7 water-resistant. The standard tripod screw underneath makes the Oclu camera universally compatible, though its own mounts and accessories are available for better support. The LiveCut editing feature lets you delete unwanted content on the go.

Website: oclu.com
Price: \$299 (Dhs1,098)





NEW INTERNATIONAL MOVIE RELEASES COMING SOON TO CINEMAS NEAR YOU



★ **TERMINATOR: DARK FATE**

DIRECTOR: TIM MILLER

STARRING: ARNOLD SCHWARZENEGGER, LINDA HAMILTON, MACKENZIE DAVIS, GABRIEL LUNA, NATALIA REYES

MOVIE TYPE: SCI-FI

Filmmaker James Cameron returns to produce a Terminator reboot, with a new assassin (Gabriel Luna) and a grey-bearded former killer (Schwarzenegger). Movie fans are excited to find out if this new version can beat the jaw-dropping impact of the T-1000 liquid metal machine, played with perfectly icy menace by Robert Patrick, in the Cameron-directed Terminator 2: Judgment Day (1991). Linda Hamilton returns as the gun-toting Sarah Connor, hunted by a terminator in the first movie and then a full-fledged action woman. The major new introduction to the franchise is Mackenzie Davis as Grace, a hybrid human-machine who's on the side of the good people.

★ **PARADISE HILLS**

DIRECTOR: ALICE WADDINGTON

STARRING: EMMA ROBERTS, MILLA JOVOVICH, DANIELLE MACDONALD, EIZA GONZÁLEZ, AWKWAFINA, JEREMY IRVINE

MOVIE TYPE: THRILLER

On an isolated island, Uma (Roberts) wakes up to find herself at Paradise Hills, a facility where high-class families send their daughters to become the perfect versions of themselves. The facility is run by the mysterious Duchess (Jovovich) and the girls get etiquette classes, vocal lessons, beauty treatments, gymnastics, and restricted diets. The outspoken Uma finds solace and friendship in other Paradise Hills residents – Chloe (McDonald), Yu (Awkwafina) and Amarna (Gonzalez). She soon realises that lurking behind all this beauty is a sinister secret. It's a race against the clock as Uma and her friends try to escape Paradise Hills before it consumes them all.



★ **THE IRISHMAN**

DIRECTOR: MARTIN SCORSESE

STARRING: ROBERT DE NIRO, AL PACINO, JOE PESCI, BOBBY CANNAVALE, HARVEY KEITEL, RAY ROMANO

MOVIE TYPE: ACTION

There have been many movies fronted by top Hollywood stars – about mafia bosses. But how many tell the stories of the hitmen, the ones who keep those bosses in power by eliminating their rivals? This one does. The A-list cast is led Robert De Niro as mob assassin Frank 'The Irishman' Sheeran, believed to have carried out more than 25 mob murders, possibly including that of Jimmy Hoffa, played by Al Pacino.

★ ARCTIC DOGS

DIRECTOR: AARON WOODLEY

VOICES: JEREMY RENNER, JAMES FRANCO, ALEC BALDWIN, JOHN CLEESE, ANJELICA HUSTON, OMAR SY, MICHAEL MADSEN, HEIDI KLUM, LAURIE HOLDEN

MOVIE TYPE: ANIMATION

Swiftly (Renner) is a small creature with a big ambition: to be the world's greatest sled dog even though he is really an arctic fox. On a mission to deliver a package, the little fox discovers a plan hatched by Doc Walrus (Cleeese) to release the "bad gas" with his huge drill. Now Swiftly and his friends, a rag-tag group of inexperienced heroes, must save the Arctic.



★ CHARLIE'S ANGELS

DIRECTOR: ELIZABETH BANKS

STARRING: KRISTEN STEWART, NAOMI SCOTT, ELLA BALINSKA, ELIZABETH BANKS, PATRICK STEWART, SAM CLAFLIN

MOVIE TYPE: ACTION

The blockbuster female hero franchise is revived, with Kristen Stewart, Naomi Scott, and Ella Balinska as the new Angels working for the mysterious Charles Townsend, owner of an elite, international security and investigative agency. Teams of Angels are now all over the world, guided by multiple Bosleys (Banks, Stewart, Claflin).

★ THE GOOD LIAR

DIRECTOR: BILL CONDON
STARRING: IAN MCKELLEN, HELEN MIRREN, RUSSELL TOVEY, JIM CARTER, JÓHANNES HAUKUR JÓHANNESSON, MARK LEWIS JONES
MOVIE TYPE: DRAMA



Career con artist Roy Courtney (McKellen) can hardly believe his luck when he meets well-to-do widow Betty McLeish (Mirren) online. As Betty opens her home and life to him, Roy is surprised to find himself caring about her, turning what should be a cut-and-dry swindle into the most treacherous tightrope walk of his life.

★ FROZEN 2

DIRECTORS: JENNIFER LEE, CHRIS BUCK
VOICES: IDINA MENZEL, KRISTEN BELL, JOSH GAD, EVAN RACHEL WOOD, STERLING K. BROWN, JASON RITTER
MOVIE TYPE: ANIMATION



Why was Elsa (Menzel) born with magical powers? What truths about the past await Elsa as she ventures into the unknown to the enchanted forests and dark seas beyond Arendelle? The answers are calling her but also threatening her kingdom. Together with Anna (Bell), Kristoff, Olaf (Gad), and Sven, she'll face a dangerous but remarkable journey.



FIND EVERYTHING FROM LIFE'S MOST SOUGHT-AFTER ANSWERS TO SECRETS OF MEETING TARGETS

WHAT COMES AFTER OFFRED?

Title: The Testaments: The Sequel to The Handmaid's Tale

Author: Margaret Atwood

Publisher: Nan A. Talese

Price: \$28.95 (Dhs106) (Hardcover)

Margaret Atwood's dystopian masterpiece, *The Handmaid's Tale*, has become a modern classic – and now she brings the story to a conclusion in this riveting sequel. At the end of *The Handmaid's Tale*, we see the main character, Offred, a female servant of the Republic of Gilead. More than fifteen years after the events of the first book, the theocratic regime maintains its grip on power, but there are signs it's beginning to rot from within. At this crucial moment, the lives of three radically different women converge, with potentially explosive results.



DEALING WITH SCHOOL

Title: Guts

Author, Illustrator: Raina Telgemeier

Publisher: Graphix (for readers aged 8-12 years)

Price: \$12.99 (Dhs48) (Paperback)

Raina wakes up one night with a terrible upset stomach. Her mom has one, too, so it's probably just a bug. Raina eventually returns to school, where she's dealing with the usual highs and lows: friends, not-friends, and classmates who think the school year is just one long boring session. It soon becomes clear that Raina's tummy trouble isn't going away and it coincides with her worries about food, school, and changing friendships. What's going on? Telgemeier brings us a thoughtful, charming, and funny true story about growing up and gathering the courage to face – and conquer – her fears.

YOU COULD BE GETTING YOUNGER

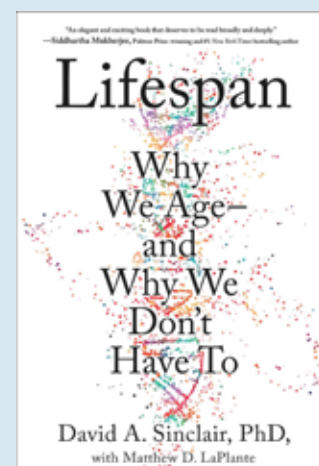
Title: Lifespan: Why We Age - and Why We Don't Have To

Authors: David A Sinclair PhD, Matthew D LaPlante

Publisher: Atria Books

Price: \$28 (Dhs103) (Hardcover)

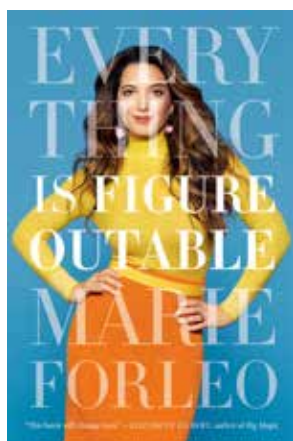
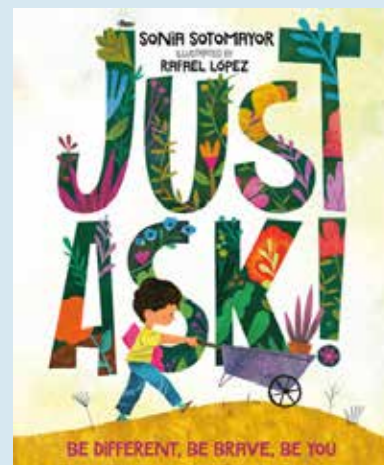
It's a seemingly undeniable truth that ageing is inevitable. But what if we could choose our lifespan? In this book, Dr David Sinclair, an authority on genetics and longevity, reveals a bold new theory for why we age. He claims: "Aging is a disease, and that disease is treatable." This work takes us to the frontlines of research, revealing incredible breakthroughs that demonstrate how we can slow down, or even reverse, ageing. The key is activating newly discovered vitality genes, the descendants of an ancient genetic survival circuit that's both the cause of ageing and the key to reversing it.



SOMETHING SPECIAL IN CHILDREN

Title: Just Ask! Be Different, Be Brave, Be You
Author: Sonia Sotomayor
Illustrator: Rafael López
Publisher: Philomel Books (for readers aged 4-8 years)
Price: \$17.99 (Dhs66) (Hardcover)

Judge Sonia Sotomayor and award-winning artist Rafael Lopez create a kind and caring book about the differences that make each of us unique. Feeling different, especially as a child, can be tough. But in the same way that different types of plants and flowers make a garden more beautiful and enjoyable, different types of people make our world more vibrant and wonderful. Using her own experience as a child who was diagnosed with diabetes, Justice Sotomayor writes about children with all sorts of challenges – and looks at the special powers those kids have as well.



RETRAIN YOUR BRAIN

Title: Everything Is Figureoutable
Author: Marie Forleo
Publisher: Portfolio
Price: \$25 (Dhs92) (Hardcover)

Anyone watching YouTube has probably seen an episode or two of MarieTV, hosted by Marie Forleo. Giving viewers life lessons in everything from how to get out of debt to how to attract success, she's quite the vibrant new-age guru who makes us believe that everything is figureoutable. That's the knowledge this book promises. The book claims that it will retrain your brain to think more creatively and positively in the face of setbacks. Whether you want to leave a dead-end job, break an addiction, learn to dance, heal a relationship, or grow a business, the book says it can show you how.

MOMENTS FROM DECADES

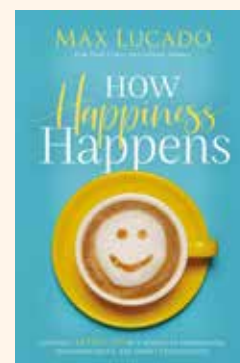
Title: Bill Cunningham: On the Street: Five Decades of Iconic Photography
By: New York Times
Publisher: Clarkson Potter
Price: \$65 (Dhs234) (Hardcover)



Iconic photographer Bill Cunningham captured the spirit of New York and Paris through his street photography. The images, many of which were published in the New York Times, don't just show fashion, but also people, the mood, the city, the culture. The photographs in this volume move through decades. Accompanying the photos are essays that provide a revealing portrait of Cunningham and a few of his many fascinations and influences.

NOT WITH THE CREDIT CARD

Title: How Happiness Happens: Finding Lasting Joy in a World of Comparison, Disappointment, and Unmet Expectations
Author: Max Lucado
Publisher: Thomas Nelson
Price: \$24.99 (Dhs92) (Hardcover)



Worldwide, people profess that happiness is their most cherished goal. Marketers get this. "Want to be happy?" they ask. Eat at this restaurant, drive this car, wear this dress. It's wide, this way to happiness. Yet, for all its promise, it delivers a fragile joy; here one day, tomorrow scattered by the winds of comparison, disappointment, or unmet expectations. Lucado writes, "There is another option. It requires no credit card, monthly mortgage, or stroke of fortune. Age and ethnicity aren't factors [for finding] an unexpected door to joy."

Curb on single-use plastic at Sharjah university

UNIVERSITIES are amongst the public places where disposable plastic is used in large quantities. But given how much we know now about the planet-wide rampant pollution caused by disposable plastic, educational institutions should be the first to start phasing out their use. Amongst those taking the lead in the Middle East is the American University of Sharjah (AUS), which is set to ban most types of single-use plastic on the campus. That includes Styrofoam, the type of polystyrene from which takeaway food containers are made.

Be it polystyrene or disposable clear plastic, these are extremely bad for the environment. The worst thing is plastic packaging for small items or small quantities of food and beverage, since it's hard to even collect the packaging for recycling.

From January 2020, the AUS administration will ban on-campus sale of any kind of plastic container holding less than 500ml of water. Widely consumed beverages such as juice and soda drinks will have to come in metal (aluminium) containers.

An official AUS statement said: "Single-use plastic bags and eating utensils – such as takeaway containers, straws, plates,



cups, and cutlery – will also be prohibited; they will be replaced with environmentally friendly plant-based and biodegradable alternatives. The initiative is led by AUS' Sustainability Office and aims to eliminate the need for single-use plastic and Styrofoam, while providing the AUS community with access to free, high-quality drinking water."

Bottled water is consumed all across the UAE, but there's an incredibly high cost of this momentary convenience. Rose Armour, Director of the AUS Sustainability

Office, said in a media report, "A typical UAE resident uses 450 plastic water bottles on an average in a single year. There is an enormous amount of plastic entering landfill sites – 77 per cent of all waste ending up in a landfill – impacting the environment for thousands of years to come."

However, no plastic bottle doesn't mean that AUS students and staff won't get to drink water. High-quality steel bottles will be distributed free amongst staff, students, and faculty, and they can be filled at water stations around the campus.

Less shopping results in happier planet, people



A new study says that buying environment-friendly products is better than buying indiscriminately, but buying less is the most eco-friendly act of all. What's more, buying less will improve

your well-being as well, because mindless shopping isn't the key to happiness.

University of Arizona researcher Sabrina Helm and her team explored the habits

of millennials, the world's most shopping-minded age group. The research was published in the journal *Young Consumers*. The focused on two habits that could be called "pro-environmental behaviours" – first, reduced consumption, such as mending and repairing items instead of just new ones; second, buying 'green' items, such as goods made from recycled materials. Then the researchers looked at the link between these behaviours and consumer well-being.

They found that more materialistic consumers wouldn't reduce buying, though they may choose 'green' products; and less materialistic consumers were prepared to cut buying. Between the first group and the second, the latter was far more likely to have lower stress levels and a higher sense of personal well-being.

More wildfires to come on a warmer planet

THE headline-making California wildfires of 2018 and 2019 aren't a freak phenomenon; such wildfires could become more common on a significantly warmer planet.

A new study finds that wildfire activity in the United States' Sierra Nevada in more than a thousand years has been largely dominated by climate factors. That means a rapid rate of climate change caused by manmade pollution would very likely lead to more and bigger wildfires. The findings of a team led by Richard Vachula, a PhD student at Brown University's Department of Earth, Environmental and Planetary Sciences, was published in *Environmental Research Letters*. He said, "Our data show that climate has been the main driver of fire on a regional scale. We find that warm and dry conditions promote fire, which in light of climate model predictions suggests that future fires may be more extensive than we have observed in the last century."



Their conclusions are based on the study of sediment cores taken from the bottom of Swamp Lake, within Yosemite National Park, a close neighbour to Sierra Nevada. All past fires in Sierra Nevada have led to charcoal from smoke plumes falling into this lake, eventually becoming part of the sediment. The science team analysed the charcoal content and depth

to estimate how much area had burned in 1,400 years up to 2007; then they matched that charcoal data with climate data to figure out the link between fires and climate.

The worst part is that though forests normally absorb carbon dioxide, acting as carbon sinks, wildfires turn them into greenhouse gas emitters as they burn.

Jaguars victim of trafficking in Latin America



THE first high-level conference on wildlife trafficking in the Americas has revealed that the illegal trade is increasing across Latin America. The region's iconic big cat, the jaguar, is one of the biggest victims of the trend.

The poaching of jaguars is increasing

in order to meet demand from the Eastern traditional medicine and exotic jewellery industries; the big cat's teeth, skin, and bones are used in these industries.

While poaching is sometimes attributed to regional poverty, in reality it's

completely a function of global organised crimes. A 2016 report by Interpol and the United Nations put the annual value of global wildlife trafficking at \$20 billion (Dhs73.4bn). Latin America, a region of immense biodiversity – it's home to some 40 per cent of the world's plant and animal species – has become a hub of wildlife crimes.

Speaking to *The Guardian* at the conference hosted by Peru, Salvador Ortega, Interpol's head of forest crime for Latin America, said that trafficking in live animals was driven by demand from collectors from across the globe. In the host country's capital, Lima, the jaguar was chosen as the symbol of the initiative against wildlife trafficking.

At the conference, forestry and wildlife service official Luis Alberto Gonzales-Zuñiga said, "[Trafficking] is a globalised business and it needs a globalised response."

Family can influence teenage view of vaping



WHAT makes teenagers take up e-cigarettes aka vape pens? New research finds two obvious factors (flavour and safety perception) and a less obvious one (family attitude).

In a research from the University at Buffalo in New York, which was published in the September-October issue of the *Journal of Pediatric Nursing*, the researchers interviewed two groups of teenagers: those who used e-cigarettes; and those who didn't. They found that both groups had a better opinion of e-cigarettes compared to other addictive substances, and knew that vaping had a high degree of acceptance amongst the peer group.

However, while the smoker group felt that vaping was safe, the non-smoker group felt that vaping, though less harmful than cigarettes, was still unsafe and the gateway to other addictions.

Analysing the responses, the researchers found that non-smoker teens were more likely to have older family members who viewed vaping negatively. The smoker teens tended to have family members who used

vape pens as a way to give up cigarettes. This family member behaviour influenced how teens saw vaping.

As governments in several countries try to persuade the public to give up cigarettes – an outright ban is impractical – the youth are moving more and more towards vaping in the belief that it's safe and 'cool'. In the US, according to the Centres for Disease Control (CDC), e-cigarette use amongst middle school and high school students rose by more than 25 per cent in eight years – from less than 2 per cent in 2011 it crossed 27 per cent in 2018. Of late, a significant number of vaping-related illness and death cases have also been reported in the US, something that calls for a closer look at this trend.

A Washington Post report at the end of September 2019 said: "An investigation by state health departments in Illinois and Wisconsin traces the first signs of illness amongst 53 tracked patients to April [2019]. The victims – mostly young men with a median age of 19 – overwhelmingly ended up in the hospital, many under intensive care. A third went on respirators."

The report added: "The first death to a vaping-related illness was reported August 23 in Illinois. At that time, federal and state officials were investigating almost 200 cases of the baffling sickness in 22 states, according to the CDC. The list of states with deaths soon grew to include California, Florida, Georgia, Indiana, Kansas, Minnesota, Mississippi and Missouri."

IN FOCUS: VAPING IN UAE

In an interview with *The National* in August 2019, Dr Fadi Baladi, Medical Director at Burjeel Day Surgery Centre in Abu Dhabi, said, "Unfortunately, vaping has been widely misunderstood as a benign habit, particularly amongst young people. Teenagers think what they are doing will not harm them, so it has become a huge problem. Vaping is still introducing nicotine, which is still harmful. E-cigarettes have become an easy, legal device where people can mix substances with nicotine liquids for an additional hit. This is causing serious health problems and has been related to deaths in the US."

Sharjah research forum reveals lung cancer breakthrough

RESEARCH on a potent medicine cocktail that could significantly shrink lung cancer tumours was presented at the 'Recent Perspectives on Cancer Research' forum in Sharjah last September.

Professor Julian Downward, Associate Research Director of the Francis Crick Institute in the United Kingdom, announced the breakthrough at the forum. He had worked at the UK Institute's Sharjah Laboratory for two years.

Downward said, "Recently, we discovered that combining a new class of drug with two other compounds dramatically shrinks lung tumours in mice and human cancer cells. Our results suggest trying this combination in human trials in the coming years. Thanks, in part,



to the support of His Highness Sheikh Dr Sultan bin Muhammad Al Qasimi, Supreme Council Member and Ruler of Sharjah, the

work we are doing could ultimately lead to cancer treatments that delay or even prevent drug resistance."

Just 10% weight loss can send Type 2 diabetes into remission



EXCESS weight, especially if its veers towards obesity, is closely linked with Type 2 diabetes, a condition common in the UAE. In 2017, 17.3 per cent of the UAE population aged 20-79 years had Type 2 diabetes.

One good news, as per latest research, is that if newly diagnosed people lose at least 10 per cent of their weight, this could not only control diabetes, but maybe even send it into remission.

Remission means a drastic decrease in high blood sugar level, to the extent that people could even stop treatment.

Earlier studies showed that bariatric surgery or extreme dietary interventions were needed to experience remission. But then, specialists from the University of Cambridge, United Kingdom, went looking for more easily achievable results to send diabetes packing.

The Cambridge study, published in the journal *Diabetic Medicine*, was based on data from 867 people aged 40-69 years. All of them were newly diagnosed with Type 2 diabetes; these individuals had enrolled in a Cambridge trial on diabetes control.

The researchers then monitored the participants' progress for five years after they enrolled in the trial. They found that 257 individuals experienced diabetes remission by the end of this five-year period. They noted that trial participants who lost at least 10 per cent weight after their diagnosis were more than twice as likely to experience remission, compared with those who didn't lose any weight.

Losing only 10 per cent weight is a very easy goal. Research author Hajira Dambha-Miller, PhD, said, "We've known for some time now that it's possible to send diabetes into remission using fairly drastic measures, such as intensive weight loss programs and extreme calorie restriction. [Yet] these interventions can be very challenging to individuals and difficult to achieve. But, our results suggest that it may be possible to get rid of diabetes, for at least five years, with a more modest weight loss of 10 per cent. This will be more motivating and hence more achievable for many people."

Senior author Professor Simon Griffin, said, "This reinforces the importance of managing one's weight, which can be achieved through changes in diet and increasing physical activity."

WHAT THE MONTH HAS IN STORE



Aries (March 21 – April 19)

If it seems your mind is taking you off the track this month, work on developing your concentration skills by using an affirmation. It is useful to bring our minds into the present moment. Soon you'll realise that your stray thoughts are the ones that distract you, and the only way to focus is by learning how to control your inner dialogue.



Taurus (April 20 – May 21)

You could feel enthusiastic about taking action this month. Your confidence may be strong and this could encourage you to expand your horizon and begin to take on new projects and even challenges. Consider ways to use your confidence to bring more excitement and opportunity into your life, such as exploring new activities or stretching your goals.



Gemini (May 22 – June 20)

A desire to do good and help others may suddenly hit you, compelling you set aside your personal issues. If you let your compassion guide you, it's most likely that you'll find having the time and the energy to make a difference in other people's lives. It can include giving time, care, or sharing skills and talents. Doing any of these things will surely boost your happiness and purpose in life.



Cancer (June 21 – July 22)

The scope of your prosperity will probably become clearer to you this month, awakening an intense philanthropic urge within you. You'll be inspired to share your resources and success to other people in need. With this, you'll also discover that life is about finding your own purpose in life and being in a circle of people who make you happy and content.



Leo (July 23 – August 22)

As you realise that you get so entrenched in your busy life, you would want to appreciate and focus where you are now, rather than what or where you will be. By noticing without worrying, you'll become more aware of the present moment. Do this to find peace and contentment, which is your viable choice to be happier.



Virgo (August 23 – September 22)

A strong desire to pass the time in the company of people you esteem and trust can prompt you to take part in group activities and social gatherings this month. You will find yourself in a friendly and talkative mood, ready to open up. With this, you'll discover that sharing a hearty round of laughter or an intensely compelling dialogue can sometimes ease all your worries in life.



Libra (September 23 – October 22)

All acts of kindness, great or small, contribute to making the world a better place. When you commit an act of kindness, it will create a ripple effect. A kind gesture can change someone's life for the better.

Perpetuating or even just witnessing an act of kindness can make you and everyone else involved feel tremendously positive.



Scorpio (October 23 – November 21)

Feeling unappreciated can easily translate into a series of counterproductive behaviours. It's natural to want at least a little appreciation, and you'll feel it this month. You'll be highly appreciated in the workplace or even in the community. You'll reap positive feedback from your bosses or coworkers for the efforts and long hours you put in to go above and beyond the call of duty. You've rightfully earned it.



Sagittarius (November 22 – December 21)

You may feel compelled to be more conscious when making choices and reexamine the path you've chosen. A dream that has languished long in your soul may exert itself and prompt you to consider a career change, adopt a serious hobby, or enroll in an educational program. Asking yourself how each decision you make will impact your life could help you make rewarding choices this month.



Capricorn (December 22 – January 19)

Your dreams may have a starker clarity than usual when you envision them in your mind, and this can spark your enthusiasm. You can maximise your drive by allowing your dedication to meet your goals to be your guiding star. Always be optimistic; not only will it bring you peace but also a smile on others' faces. Be the light in your workplace.



Aquarius (January 20 – February 18)

You may gain a sense of satisfaction from being self-sufficient. It can give you a feeling of confidence and independence to complete all that you wish to accomplish without having to rely on anyone else. Once you have established this, you are free to invite others to help on projects not because you need them, but because you appreciate what they offer.



Pisces (February 19 – March 20)

You may find that you are profoundly happy this month, albeit the circumstances you are facing at home or at work. Your high spirits can inspire you to seek the companionship of like-minded individuals. Don't be afraid to meet new people. Give yourself time when thrust into a new circle. But before this, you first must have a strong relationship with yourself.



We take immense pride and great pleasure in extending
our sincerest congratulations and best wishes to

His Highness Sheikh
Khalifa bin Zayed Al Nahyan

President of the UAE

His Highness Sheikh
Mohammed bin Rashid Al Maktoum

Vice-President and Prime Minister of the UAE and Ruler of Dubai

His Highness Sheikh
Mohammed bin Zayed Al Nahyan

Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces

**and Their Highnesses Members of the Supreme Council and Rulers of the UAE
and to all the people of the UAE**

On the occasion of the 48th National Day



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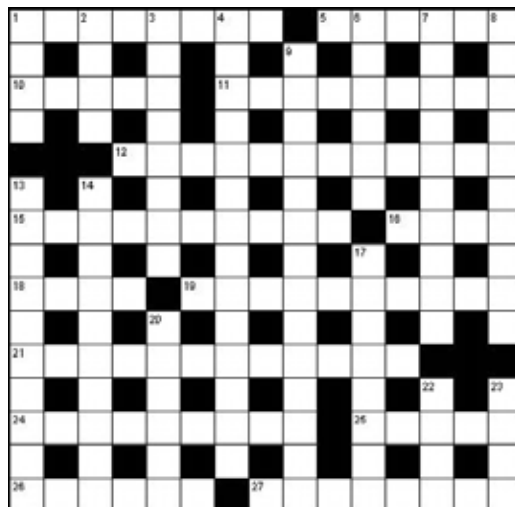
PUZZLES

ACROSS

- 1 An axe for old lady to sell (8)
- 5 Outlaw (6)
- 10 Small battle joined by medium army (5)
- 11 Sunken haunt; yes, it's at sea (9)
- 12 Flying in Scotland (4-8)
- 15 A contributor? (5,5)
- 16 Head of hair (4)
- 18 Old one taking time to leave (4)
- 19 One checks the others – that's rare in dancing (10)
- 21 Working lengthwise, notice slack (5,3,4)
- 24 Daughter of Nicholas II has an inability to stand up (9)
- 25 Clumsy shot from Home & Away (2-3)
- 26 An Italian thus offers regular parts to survey (6)
- 27 Part of a letter and a person who posts it, say (8)

DOWN

- 1 The original Secret Seven, originally cast (4)
- 2 Handsome (4)
- 3 Odour, strong, thought initially to come from naturalist (8)
- 4 So each goes the wrong way, presumably (4-5,5)
- 6 A free agent on father's side (6)
- 7 This can end in conflict, make one feel let down (10)
- 8 Never mind if article about you describes Romeo (5,5)
- 9 Lying down obstructs gymnastic discipline (10,4)
- 13 Ex-pupil sprays arrow beneath gallery exhibits (6,4)
- 14 Some islanders operating system (10)
- 17 When it penetrates skin (8)
- 20 A city finished off by a woman (6)
- 22 Low-key disposition (4)
- 23 A ranch almost visible in the distance (4)



Easy

1		3		6	
6					2
			3		
		4			
4					1
	6		2		3

Medium

	8	4		2			5	1
						7		
	9	2			8			
		6	3					
	4	7	9		6	2	3	
					2	4		
			4			5	2	
		5						
4	3			7		1	9	

SOLUTIONS FOR THE OCTOBER ISSUE



www.alberichcrosswords.com

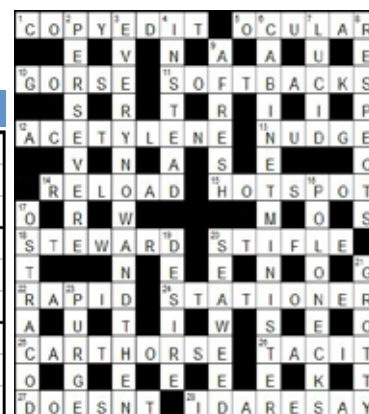
www.dailysudoku.com

easy

4	2	3	5	6	1
1	5	6	3	4	2
5	3	4	1	2	6
2	6	1	4	5	3
6	1	5	2	3	4
3	4	2	6	1	5

medium

8	1	9	6	2	4	5	3	7
4	2	5	7	9	3	1	8	6
3	7	6	1	5	8	2	9	4
9	4	2	3	8	7	6	5	1
1	6	8	5	4	9	7	2	3
5	3	7	2	1	6	8	4	9
7	5	4	9	6	2	3	1	8
2	8	3	4	7	1	9	6	5
6	9	1	8	3	5	4	7	2





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the 48th National Day under the theme: Zayed's Dream

