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شركة أبوظبي للتوزيع
Abu Dhabi Distribution Co.



WATER. SHARE IT & SAVE IT!



HIGHLIGHTS

- P.4 World Water Day
- P.6 Interview with the Water O&M director
- P.7 History of Water Industry in Abu Dhabi

Contents



12 Report

13 My Electronics

14 Inventors

15 Congratulations

16 Entertainment

3 Editorial

4 World Water Day

6 Interview

7 History

9 Events

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Dear reader

Welcome to the 6th edition of our quarterly newsletter "Distribution". This edition coincides with the new organizational and administrative amendments that have been recently introduced by Abu Dhabi Water and Electricity Authority (ADWEA), under the leadership of H.E. Dr. Ahmed Mubarak Al Mazrouei, ADWEA Chairman, to ADDC.

The changes, the foremost of which is the new Organizational Chart, were aimed at injecting new blood into ADDC and improving its performance building on the great achievements of previous administrations. They also came within the context of keeping the company abreast of the unprecedented economic and real estate boom witnessed by the emirate under the wise leadership of the President, His Highness Sheikh Khalifah bin Zayed Al Nahyan and General Sheikh Mohamed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi, Deputy Supreme Commander of the UAE Armed Forces and Chairman of the Abu Dhabi Executive Council.

Let me first reassure our customers that we shall continue improving the company's infrastructure, particularly in the areas of introducing up-to-date IT applications and methods of water and electricity bills payment.

Based on this, and in association with the Emirates Identity Authority (EDIA), we have recently started accepting ID cards as the identification document for processing household transactions. Therefore, we request our valued customers to obtain this important document, which is of great help in processing transactions with us, and reducing queue time at our customer care centers by 50 per cent.

Finally, we invite you to continue reading our newsletter in the future with the hope that it will serve as a means of interaction.

Eng. Abulaziz Abdulrahman Al Hemaidi
 ADDC Managing Director

World Water Day

The United Nations General Assembly adopted a resolution designating the 22 March of each year as the World Water Day

The World Water Day is an initiative that grew out of the 1992 Rio de Janeiro United Nations Conference on Environment and Development (UNCED), to conform with the recommendations of the UNCED contained in chapter 18 (Fresh Water Resources) of Agenda 21.

The United Nations General Assembly adopted a resolution designating the 22 March of each year as the World Water Day, starting from 1993.

The event is organized by the UN Water Group, which also decides each year a specific theme. This year the theme is "Water for Cities", in response to the urban challenges and calls upon governments, communities, organizations and individuals to address the problems around

urban water management.

The objective of World Water Day 2011 is to focus international attention on the impact on urban water systems of rapid urban population growth, industrialization and uncertainties caused by climate change, conflicts and natural disasters.

States and organizations have been invited to devote the Day to implementing the UN recommendations and set up concrete activities appropriate to the national context. This year's global event stretches from Argentina to Japan and from New Zealand to Sweden and includes a variety of sports, fun, edutainment programs and photo contests.



Facts and figures

- Four million people die each year from water-related diseases.
- Two billion people lack proper sanitation because of poverty.
- The entire Arab countries are below the water-poverty line.



The late Sheikh Zayed's statement on environmental protection

"We have to pay a great deal of attention to the protection of the environment. Our ancestors lived in harmony with their surrounding environment and instinctively realized the importance of protecting it and the sustainable use of natural resources for the betterment of posterity. Therefore, it is a collective responsibility of all those who now live on this blessed land to preserve the environment and wildlife, not for us only, but also for our children and grandchildren."

The late His Highness Sheikh Zayed bin Sultan Al Nahyan speech in the 1st UAE National Environment Protection Day, 1998.

**Name:**

Mohammed Sultan Al Maamari

Education certificate:

Master's degree in Water Science

Job title:

Water O&M Director

Joining date: 2000**In brief****Your role model character:**

The late Sheikh Zayed

A book you have read:

Friends in High Places

About ADDC employees:

I appreciate their dedication and perseverance

Word for them:

Smile is the best gift

Al Maamari: Daily per capita water consumption in Abu Dhabi is 28 imperial gallons

Abu Dhabi annual water leakage is 16%

High water consumption in the Emirate of Abu Dhabi causes serious environmental problem that needs to be addressed. The per capita daily consumption of water in the emirate is estimated to be 82 imperial gallons, one of the highest rates in the world as it is estimated to be 72 imperial gallons in the US, 52 imperial gallons in Singapore and much less than that in the European countries. The Abu Dhabi Distribution Company (ADDC) is putting in force many measures to tackle this problem because it places great pressure on the natural resources as well as causing high economic loss.

The Water O&M Directorate pumps around 420 imperial gallons of healthy potable water, as per the World Health Organization (WHO) standards, daily in the company's 7000 kilometers network for around 250,000 customers to be used for drinking, irrigation as well as cooling purposes.

Mohammed Sultan Al Maamari, Water O&M Director, said; "We estimate our per annum of water leakage to be 16 per cent and we are doing our best to cut this figure to the minimum". Al Maamari added; "Although this is a medium record compared to the other countries, 2 per cent in Netherlands, 4.5 per cent in Singapore and 44 per cent in the UK, but taking in mind that we largely depend on desalinated water we find that the cost of the loss is very high in both environmental and economic terms". As for the reasons behind this high outflow, Al Maamari added; "It occurs mainly due to accidents caused by contractors' and developers', around 40 accidents per year, non-adherence to the network drawings and maps we present to them so we make every effort to keep an eye on their activities". The official added that the directorate also does network maintenance, cleaning and replacement of low density polyethylene pipelines with high density ones.

The replacement also includes metal pipes that have been in service for 30 years as well as Glass-fiber Reinforced Plastic (GRP) and Asbestos pipes (AC) to minimize outflow incidents".

The directorate also organizes campaigns to encourage people

to rationalize water consumption, "It is important to say here that the percentage of water leakage, 16 per cent, is calculated only according to the outflow incidents that occur in the network areas before the outflow meters, otherwise this figure could have grown much higher".

In the same context, the directorate has replaced 85 per cent of the old outflow meters with more accurate electro-magnetic ones. Al Maamari added; "The old meters are still in use in some farms and forestry projects and we will be replacing 100 per cent of them by the end of 2013".

In realization of the directives of Abu Dhabi Executive Council, the directorate has reduced water supplies to farms and forestation projects by 50 million imperial gallons per day beginning of mid 2010. Al Maamari added; "We knew that 50 per cent of the 140 million imperial gallons consumed daily is leaked and all our calls for them to rectify their poor water distribution networks went unheeded, so by cutting their water supplies we forced them to adopt less wasteful irrigation techniques and to shift to water-efficient crops and organic farming". Plans are also in the pipeline to provide them with treated sewer water within the coming two years.

"The directorate's future plans include the establishment of the Water Network Remote-Control Centre which would be using sensors for seepage detection and water pressure measurement and remote-controlled valves that would reduce time for reaching leakage points as well as staff number," he added.

The directorate, which consists of the Central Laboratory, Planning and Maintenance and Standards and Quality sections, contributes for the firefighting and crisis prevention efforts in collaboration with the Civil Defense Department and other governmental concerned departments. "We also take part in the company's social, sports and cultural activities," he concluded.



History of water industry in Abu Dhabi

The first desalination plant was established in 1961

The plant used to sell a gallon of water for 2 annas, 1/8 of an Indian rupee

In recognition of the World Water Day, we present this short report about the history of water industry development in the Emirate of Abu Dhabi since the formation of the Trucial States Council in 1952. Before this date people in Abu Dhabi, as well as other emirates, used to draw drinking water from three sources, namely shallow hand dug wells; the traditional falaj system and rainfall harvesting methods. Water obtained from these three sources caused serious health hazards to the consumers at that time because of high salinity and pollution.

The council's first budget included an allocation of 150 thousand Indian rupees to a Water Resources Survey in the Trucial States; however the British Ministry of Overseas Development (MOD) refrained from providing funds for this purpose without giving justification for that. Mr. Crawford, of the British Middle East Office (BMEO), visited the region in December 1953 and advised that funds should be allocated for the development of water resources in Al Ain city and the coastal cities. In 1954 the council earmarked £20,000 (Twenty thousand sterling pounds) for digging wells in the Trucial States: three of them in Abu Dhabi emirate, one on Abu Dhabi Island and two on the Abu Dhabi-Al Ain highway. Subsequently, Colonel Merrylees, an expert in underground water, refrained from digging in Abu Dhabi Island because wells need heavy cladding.

The Political Resident's proposal for the Development Program for the year 1957/58 included £15,613, out of £92,699, for

surveying and preservation of water resources. However, the British Treasury slashed it to only £8,200 and the total amount to only £64,989.

The first desalination plant in Abu Dhabi was supplied to the Dubai-based firm of "Al Mulla and Owais" by Richardson and Westgraph Ltd, of West Hartlepool, an indication of the great role the private sector played in the development of the modern water industry in the Emirate of Abu Dhabi. This plant, with 14,000 gallons of water capacity per day for about 3.5 dhm per gallon, produced the first gallons of desalinated drinking water in Abu Dhabi. Unfortunately, the plant had many teething troubles and did not begin to function reliably until about September of the same year with a daily output of only 11,000 gallons. The plant used to sell a gallon of water for 2 annas, equal to 1/8 Indian rupees, which was a very high price compared to the per capita income at that time.

Then a contract was awarded to Aloma Company, of Kuwait, for the construction of a desalination plant with a total capacity of 25 thousand gallons per day, with the total cost of £22,000 (Twenty two thousand sterling pounds) which was supplied by the British company Bennis Thermoflash. However, the plant witnessed so many difficulties such as insufficient length of pipe for the intake of salt water to the storage tank. Another problem was that the manufacturers designed the plant to work in sea temperatures below 80 Fahrenheit, whereas it was generally above 100 Fahrenheit during summer in Abu Dhabi.

In 1966 the late Sheikh Zayed bin Sultan Al Nahyan issued a decree to form the Abu Dhabi Water and Electricity Council under the chairmanship of Sheikh Hamdan bin Mohammed Al Nahyan

The company failed to address these problems and the plant remained idle at its location on the Abu Dhabi Corniche, a matter that delivered a severe blow to the water desalination industry in Abu Dhabi. The British Political Agent expressed his concern that such mistakes might jeopardize the British companies' ability to invest in the region, particularly with the emergence of tough competition posed by the American companies.

The same company has supplied and commissioned two desalination plants in Tiraif area and Abu Dhabi Island for the Abu Dhabi Petroleum Company Ltd. (ADCO).

In June 22, 1962, Colonel Merrylees came back to Abu Dhabi and claimed that he spotted underground water in two sites on Abu Dhabi Island but he couldn't dig wells because of lack of a driller. Then the ADCO provided him with a technical team and driller and so he was able to commence digging the first well, somewhere to the west of Albuteen neighborhood, on 26 August 1962. Unfortunately, Merrylees failed to get water at 139 feet depth and had to stop because this was the maximum depth to which the driller was designed. The second well provided saline water not fit for human consumption.

It was mentioned in the 1962 Economic Report of the Emirate of Abu Dhabi that the USA company Aqua Chem International Ltd had been awarded a contract for the supply and commissioning of one more desalination plant with the total cost of £60,000 (Sixty thousands sterling pound) with a 25 thousand gallons per day capacity. Work on this project was scheduled to take place in mid 1963 but this didn't happen because the authorities did not allocate a land plot for it.

Which means that by the end of the first quarter of 1962 Abu Dhabi had seven desalination plants but only three were working to their full capacity.

Then plans were formulated to supply Abu Dhabi with fresh water from Al Buraimi oasis at a total cost of BR11,770,000, but the project was not implemented because of the high cost and unfavourable feasibility studies.

In 1966 the late Sheikh Zayed bin Sultan Al Nahyan issued a decree to form the Abu Dhabi Water and Electricity Council under the chairmanship of Sheikh Hamdan bin Mohammed Al Nahyan and membership comprised of a large number of the emirate's businessmen. In 1970 the Water Department Abu Dhabi (WDAD) and Electricity Department Abu Dhabi (EDAD) merged to create the Water and Electricity Department (WED) that existed till the formation in 1999 of Abu Dhabi Water and Electricity Authority (ADWEA).

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2. محمد مرسي عبدالله، تاريخ الإمارات العربية المتحدة: مختارات من أهم الوثائق البريطانية
3. الفهيم، محمد عبدالجليل، من المحل للغنى، قصة أبوظبي.
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5. Saif Nasser Harhara, interview.

ADDC accepts ID Cards as identification document

The Abu Dhabi Distribution Company (ADDC), in association with the Emirates Identity Authority (EDIA), announced on Sunday December 19, 2010, the adoption of ID Cards for all transactions by households. The new system comes in line with the UAE Government Decree No. 201/1 for the year 2007 that reads; "All government and semi-government departments (local and federal alike) should endorse the ID Card as identification document in processing all transactions".

The company announced that starting from January 2011, it would not process any transaction to open a new household customer water and electricity account without presenting an ID Card. This makes the ADDC one of the pioneer government departments in taking such important step which is in line with the UAE government strategy of making use of the most up-to-date IT technologies.

The company also said that all technical and administrative arrangements have been put in

place to enable officials at its Customer Care Centers to scan ID Card to validate the applicant's identity, which makes the whole process hassle-free and time saving for both sides. The system is also expected to reduce queue time by 50 per cent and will be put in place in all the company's Customer Care Centers in Abu Dhabi city and the Eastern and Western regions.

A grace period has been provided by the company for its old customers. During this period they have to present their ID Cards to be added to the company's database. After expiry of the grace period their transactions will not be processed.

The company has earlier this year introduced new water and power bills payment methods through ADDC's website (www.addc.ae), the Abu Dhabi Government Portal (www.abudhabi.ae), over the telephone (by calling toll free **8002332**), ATMs of selected authorized banks and through any of the Emirates Post offices.



The system is also expected to reduce queue time by 50%

ADDC wins the Five-star Health and Safety Audit Award

The Five-star Audit is an internationally recognized audit system, used by leading organizations worldwide

The Abu Dhabi Distribution Company (ADDC) has been awarded the Five-star Health and Safety Audit award of the British Safety Council. The company won this prestigious accolade in recognition of the high quality of the occupational health and safety measures applied by its Health, Safety, Environment and Quality (HSEQ) Department.

The Five-star Audit is an internationally recognized audit system, used by leading organizations worldwide to benchmark their safety management system against best practices and is globally recognized as one of the most comprehensive, independent audit measurement systems available on the market today.

The company, which is the first to win this

prestigious award in Abu Dhabi emirate, scored 94.4 % per cent points in the award results, thanks to the support of Abu Dhabi Water and Electricity Authority (ADWEA) and ADDC top management.

Winning such an international accolade reflects the ADDC efforts to put into practice the directives of General Sheikh Mohamed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi, which aim to place the Abu Dhabi Government on the list of the five top governments worldwide.

Eng. Ahmed Saeed Al Mureikhi, ADDC Chairman, said; "This accomplishment reinforces ADDC position as a leading utility provider worldwide and I do call upon all our staff to work together to maintain such a level and to achieve our ultimate goal of "ADDC: Free of work-related accidents".



Al-Nuaimi: Shuweihat S3 financial forecast due by the end of April

The Abu Dhabi Water and Electricity Authority (ADWEA) announced that the completion of the financial forecasts of the Shuweihat S3 power project is due to take place by the end of April 2011, which is in line with the set timetable. Abdulla Saif Al-Nuaimi, ADWEA Chief Executive Officer, said that the implementation stage of the AED 5 billion project would be commenced in the second quarter of this year.

After tough competition from a large number of international players, the Sumitomo Corp/Korea Electric Power Corp consortium has been selected for the development and construction of the greenfield power generation plant with an intended capacity of about 1,600 megawatts.

"The plant, located near Jebel Dhana area about 260 kilometers west of Abu Dhabi, will commence production by the year 2014" Al-Nuaimi added.

In spite of the tough construction and operating conditions set by ADWEA, the project is offering best prices: at 56 per cent operating capacity, only 12 fils for one kilowatt; at 67 per cent operating capacity only 10 fils for one kilowatt. These prices match the requirements of the ADWEA's (IWEP) program from its onset in 1998, the official added.



The HSEQ Department



The Health, Safety, Environment and Quality (HSEQ) Department of ADDC was established in 2007. Its aims were the establishment and implementing safety, occupational health and environment protection procedures to create and maintain the safest work place for employees, contractors as well as the public. Eng. Hani Hosni, Head of HSEQ Department said; "Through conducting internal and external audit procedures, under the supervision of Abu Dhabi Water and Electricity Authority (ADWEA), the Regulation and Supervision Bureau (RSB) and the International Organization for Standardization (ISO), the department ensures that all the company's departments and sections strictly adhere to those standards".

The department also reviews and evaluates tender documents to ensure that they comply with the company's HSEQ standards and conducts site visits to gauge their implementation. Hosni said; "We have provided 8000 training hours to our employees during the last year, 2010, on occupational safety, prevention of work-related accidents and environment

protection". Stressing that, "no employee would be allowed to work in the water and electricity networks sites before attending such training".

He added that the department also "Publishes electronic and paper leaflets to educate the company's and contractors' employees on issues of occupational health, safety and environment protection".

"Participation in educational programs and public speeches in schools and public and private institutions, in association with Abu Dhabi Education Council and the Red Crescent, is also a part of the department activities", Hosni said.

The department has recently organized the "Best Practices in Safety Forum 2010" with the participation of a number of local, regional and international institutions and won the Five-star Health and Safety Audit award of the British Safety Council.

Enhancement in occupational safety and environment protection

ADDC has registered zero environmental accidents in its worksites during the two years 2009/2010. The Lost Time Injuries (LTI) rate was 0.34% during the year 2010, with only 3 accidents registered. This is a very good indicator of safety in the context of the international standard for utility providers and not far above the company's target for the same year, 0.25%.

The company has achieved a great performance in this area since 2007 when the LTI rate was 0.23%. In 2008 its performance was 0.41% and 2009 saw the best-registered rate of 0.17%. These achievements place the company among the best 5% utility providers worldwide for occupational safety. The ADCC aspiration is to have accident-free worksites.



Water heaters



Water heaters use different types of energy, like gas, electricity or even solar energy. Here we provide you with some tips on how to reduce power consumption and to avoid accidents.

NOT IN USE

- Unplug the device.
- Make sure that the thermostat is functioning properly and water temperature is controlled to below 70 degrees Celsius.

INSULATION

- In general, the more insulation the better; since it reduces standby heat loss, consequently reducing power consumption.
- If possible add an extra insulating blanket or jacket around a poorly insulated water heater to reduce heat loss.
- Make sure that the insulation is wrapped around the tank and the ends are taped together.

CLEANING

- Water heaters should be cleaned regularly to

protect them from corrosion.

- If your water supply is clean, it should be emptied of water every 2 or 3 months.
- If your water supply is unclear, it should be emptied once every month.

CAUSES OF HEATER ACCIDENTS

- Malfunction in the thermostat which causes excessive heat.
- Blockage of or damage to the safety valve,
- Lack of water in the reservoir.
- Old age so that the heater cannot withstand the pressure associated with high temperatures.
- Weakness and deterioration of the tank itself.

PREVENTATIVE MEASURES

- A water heater should be replaced every five years.
- Installation should be carried by qualified technical professionals only.
- Maintenance should be a regular procedure, especially before winter. Including checking the pipes and connections and ensuring that the thermostat is operating accurately.



Michael Faraday

1791 - 1867

“a strong sense of the unity of God and nature pervaded Faraday’s life and work”

English chemist and physicist was born in Newington Butts, London.

His inventions of electromagnetic rotary devices formed the foundation of electric motor technology, and it was largely due to his efforts that electricity became viable for use in technology.

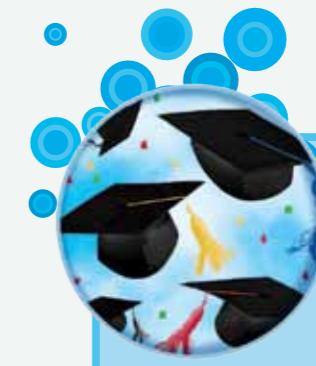
Faraday’s breakthrough came when he wrapped two insulated coils of wire around an iron ring, and found that, upon passing a current through one coil, a momentary current was induced in the other coil, which is known as mutual induction. In subsequent experiments he found that if he moved a magnet through a loop of wire, an electric current flowed in the wire. The current also flowed if the loop was moved over a stationary magnet. His demonstrations established that a changing magnetic field produces an electric field. Faraday later used the principle to construct the electric dynamo, the ancestor of modern power generators. He used “static”, batteries, and “animal electricity” to produce the phenomena of electrostatic attraction, electrolysis, magnetism, etc.

Science historians refer to him as the best experimentalist in the history of science.



Appreciation

Congratulations to our colleague Saif Al Kabi, PR Section, for receiving an appreciation certificate in recognition of his contribution towards making the “Legend” project of Zayed University a success.



Bachelor Degree

Network Management Division staff would like to congratulate their colleague Ms. Mona Al-Khumairi in getting her Bachelor Degree at the Higher Colleges of Technology (ADWC). May all her future ambitions be successful.



Dhyab becomes Aikido trainer

Dhyab Al Aseery, Power Network Section, has been awarded Aikido Instructor license from the International Aikido Federation, the first UAE national to get such accolade. Dhyab started practicing Aikido in late 2003 and got a black belt 2 Dan in 2010.

Aikido is a Japanese martial art that trains its practitioners to defend themselves without injuring their attackers.



Role Model Employee

We congratulate our colleague Mohammed Newaf Al Haran, Coordinator at ADDC Call Centre, for being selected as the Role Model Employee of the Electricity O&M Division for November 2010.



Well done

Our colleague, Fadhel Khouri, trekked around the seven Emirates starting at Abu Dhabi and cycling back. He dedicated his journey to the President H.H. Sheikh Khalifah bin Zayed Al Nahyan. Well done Khouri.

Comparison between getting married and excessive use of water and electricity

By Sadiq A. Salam

In dealing with water and electricity bills, in general people tend to be like men in dealing with marriage. Is there any man who is not interested in getting married? Actually all men are obsessed with the mere notion. But at the end of the day, when the bridegroom receives the bills for the wedding feast, onion sacks and honeymoon hotels he will lower one eyebrow and raise the other one, and curse the day on which he thought about getting married.

Similarly, who does not enjoy the sound of water splashing in the bathroom? Who does not enjoy the sound of an air conditioner unit while it consumes power to manufacture cold air that makes ones' cheeks chilly as well as bedrooms? However, when he receives the utility bill he will lower one eyebrow and raise the other etc... This is simply because water and electricity bills expose the weakness of a person's pocket and destroy the family budget.

One day a friend of mine told me that; "We

treat water as a very cheap commodity because of its availability and we start to squander it in abundance as if it is never going to dry up. However, water is the most valuable thing for us when it is scarce and then we cherish it even more than food".

I retorted to him that this contagious disease of obsessive water consumption has spread to electricity consumption. So we see some people who illuminate their houses with enough light that it rivals the lighting at the Maracana Stadium in Brazil and leave their AC running all day and night during both summer and winter until it produces temperatures that would leave an Inuit shivering. In the case of a power outage, they would be sweltering from head to toe and become very anxious as if they had received a bad omen or been warned of destruction.

In ADDC's Media Office, we regularly organize press conferences to publicize the company's achievements or new projects. But instead of

raising questions about these "accomplishments", reporters used to ask questions like "Are you going to raise water and electricity rates?" and "When are you going to do that?" Then we realized that reporters are more interested in scare-mongering stories that turn the reader's face into "rubble" as they read the morning headline; "100 per cent increase in water and power rates." But the following headline is written with INVISIBLE ink; "100% increase in newspaper circulation". And all our statements go unheeded that it is not a part of ADDC's mandate to make tariff decisions regarding water and power prices .

Accordingly, we advise all our valued customers that the size of your water and power bills are set according to your consumption rate, and it is in your hand only, not ADDC's, to decide that. So don't be panicked when you receive your utility bill as if you have seen a bogey or have been attacked by air-borne force. Just cut back and reduce your consumption!



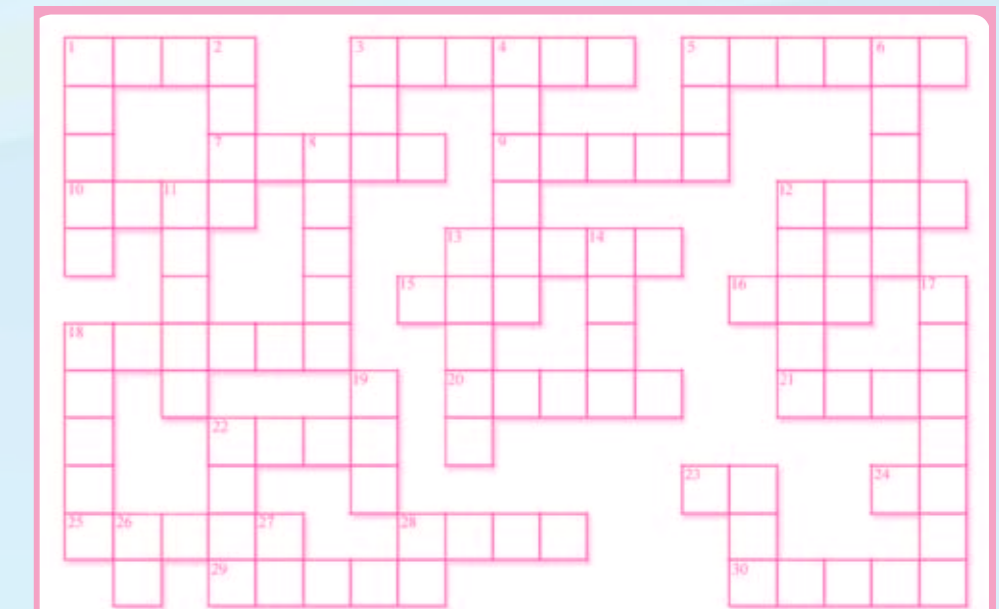
The prince and the Bedouin

One day a Bedouin came to feast organized by prince Al Mugairah bin Abdallah Al-Thagafi and started hungrily eating from a roasted gazelle, tearing it apart.

So the prince asked him, "you eat it as if his mother butted you and you are taking your revenge on him."

The Bedouin reacted; "why show him so much pity? Did his mother breastfeed you?"

Crossword



- | | | | | | |
|------------------------------------------|--------------------------------------------|------------------------|--------------------------|-------------------------|----------------------------------------------------------------------|
| Across: | 12. Abundant | 21. Fate, destiny | Down: | 11. Middle finger | 26. Person |
| 1. Tagalog alphabet | 13. Commercial, having to do with business | 22. A small piece of | 1. Breakfast | 12. Masseuse/masseur | human |
| 3. Native of Panganga, Panganga language | 15. Cliff, precipice, abyss | 23. Soil, ground, land | 2. Reason, excuse, alibi | 13. Lord, master | 27. Wretched, poor; also an interjection or exclamation of surprise. |
| 5. Housekeeper | 16. Squeeze | 24. Harvest | 3. A while ago | 14. Farmer | |
| 7. Throat | 18. Whenever | 25. Guitar player | 4. Take advantage | 17. Dreamt of | |
| 9. Past | 20. Angelus prayer | 28. Chicken feet | 5. Year | 18. Brown | |
| 10. To say, tell | | 29. Oval | 6. Midnight | 19. Navel, center hub | |
| | | 30. Knowledge | 8. Cheap, of low value | 22. Hello, how are you? | |

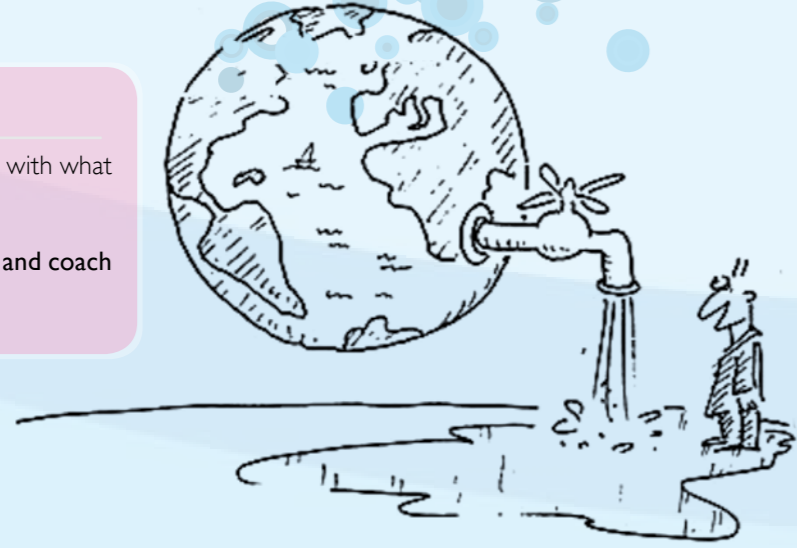
Relevant Sayings

"Don't let what you cannot do interfere with what you can do."

John Wooden.

Famous American basketball champion and coach

So, do your best to preserve water.



Did you know ?

The UAE has one of the highest per capita water consumption statistics in the world. Every individual in the UAE consumes from 280 to 320 liters of water per day, compared to only from 140 to 150 liters per day in Europe. Twice as much!

Spot 6 differences in the images below

